

**Lights, Controls,
Mounts & Kits
for Imaging
Professionals
from the
World Leader
in Location
Lighting**

Note:

**This PDF edition of the Lowel Catalog contains
an interactive Contents Page.**

**Click on any icon on the page to go directly to
that section.**

2004 Update



Why Lowel?

Lowel lighting equipment is ideal for use in film, video, and still photographic production, including digital imaging. Our lights, controls, mounts and kits are designed and built for rugged dependable use, ease of operation & portability. Choosing the right equipment is first a matter of determining your specific technical and aesthetic requirements.

For an informational overview to choosing lights, accessories and kits, please consult the Resource section in the back of this catalog.

Innovation

From 1959, when we introduced the triple-patented Lowel-light system and Gaffer-tape, to the present, we have consistently created unique professional lights and kits. Our innovations have made it easier to transport, set-up, control and maintain lighting equipment.

Evolution

We listen to feedback from working professionals about their changing needs. We incorporate those ideas into designing, refining and testing new equipment before releasing it. We also use that feedback to improve existing items in our product line.

Contact Lowel

Our equipment is sold through Authorized Lowel Dealers in the US, Distributors or Dealers in other countries.

For questions, comments, or names of Dealers in your area, contact us.

**Call: 800 334-3426
718 921-0600
Fax: 718-921-0303**

e-mail us at
info@lowel.com
Visit us on the internet at
www.lowel.com



Versatility

Our lights and accessories are designed to provide additional creative options on location because they are multi-functional.

Integration

Many Lowel components can be used interchangeably among several of our lighting systems. For instance, the Tota-brella converts five different fixtures to soft sources; the Tota-frame can be used with 4 different lights.

Compact Kits

Integration and fold-up components allow Lowel to offer more than fifty single-case kits (created from one or more of our lighting systems) with as many as forty accessories in a kit, selected to handle a wide range of lighting situations. Typically, Lowel kits are kept in active use for 10 years or more.

Sales & Service

Lowel warranties light fixtures for two years, stands for five years (see warranty). Lowel repair service is well known for quality of workmanship, fairness in warranty interpretation and fast turn-around time. We offer a free parts book with detailed illustrations of all repairable equipment.

Patents

- Tape up, clamp-on Lowel-light
- Fold up barndoors
- Roll-up, floodable Variiflector
- Quartz light with interchangeable reflectors (D/DP)
- Fold-up Softlight
- Tota-light system
- Omni-light system
- Frame-up, folding flag/gel frame
- Lobo clamp
- Pro and i light systems
- Folding fluorescent, Light-Array
- V-light
- Blip light controls
- Tota-shade
- Fin-S barndoor extension
- Hollywood-strip light control
- Rifa-lite soft light
- Fren-L 650
- LoweLDimmer
- Missing Link clamp
- Caselite
- Caselite mounting system addressing
- Studio fluorescent DMX
- IR DMX Controller (pending)
- IR DMX Translator (pending)

Some Notable Awards

- Technical Achievement Academy Award, Academy of Motion Picture Arts and Sciences.
- John Grierson Gold Medal, Society of Motion Picture and Television Engineers.
- Lightfair Technical Innovation Award.

New in This Catalog...

This Catalog contains a number of new products and product upgrades.

(some have appeared in previous New Product Brochures)

New Products

Lighting Systems	Pg
• Pro-light 230v CE Model	5
• V-light 230v CE Model	4
• Rifa-lite 44	20
• Caselite System (including 230v CE models)	24
• LowelScandles System	26
• Lowel Fluo-Tec Studio System (including 230v CE models)	28
• Lowel e-studio Fluorescent System	34

Light Controls

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• IR DMX Controller & IR Sensor	36
• Small Lightflector	37
• Rifa Daylight Gels	39

Mounts

• Uni Sr. Stand	40
• Uni TO Stand	40

Cases

• Hard Cases with Movable Velcro Partitions	44
• Hard Cases with Recessed Wheels & Handles	44
• Soft Cases (new models to increase kit options)	48

New Lowel Kits

• Kits (including System Plus, Caselite, Scandles, Multi System)	50
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Upgrades

• Pro-light 120v	7
• L-light	18
• Rifa Egg Crates (30°, 40°, 50°)	22
• Special Light Combo Packages	see price list
• Lowel Stands & Poles	40
• Lowel Cases (including velcro partitions, wheels, handles)	44
• Lowel Kits (many upgraded with additional fixtures & accessories, and most now come with lamps)	50

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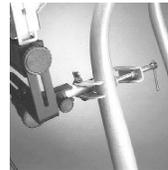


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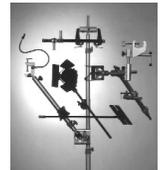
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Multi System Kits



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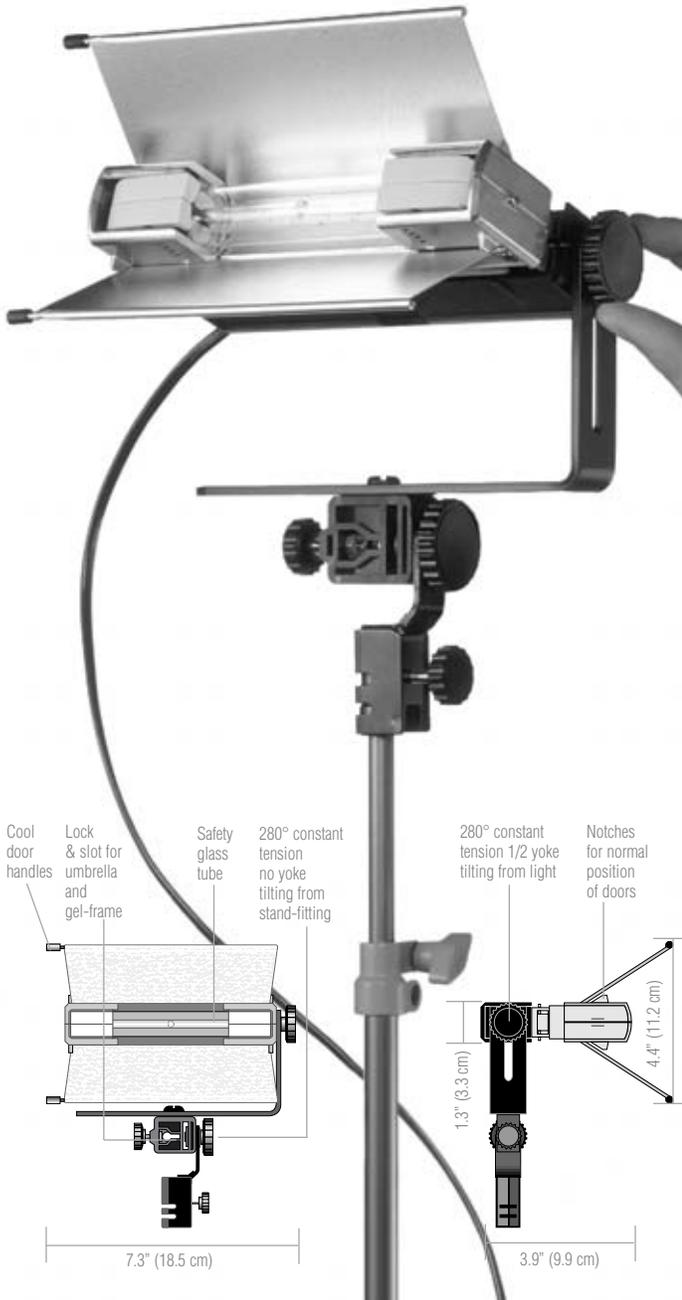
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Broad Throw — 120, 220/240; 500w



Powerful enough to light a small room yet small enough to fit in a large pocket, the versatile V-light can be used as a broad, key, fill (with umbrella or diffusion gel), back-light, or background light.

The perfect partner for the Pro-light, it's also excellent for copy work.

Extreme wide angle, smooth, multi-use, tungsten halogen source.

Watts: 500 at 120v, 500 at 220 & 240v.

Light controls: umbrella, gel-frame, gels, flags, etc.

Tilting: 280°, adjustable, constant-tension, one-handed, tilting.

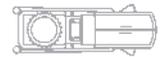
Protective glass tube surrounds low-pressure lamp (must always be used).

Closes compactly for storage and travel.

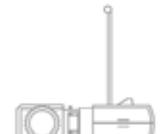
CE Approved 230v model available.



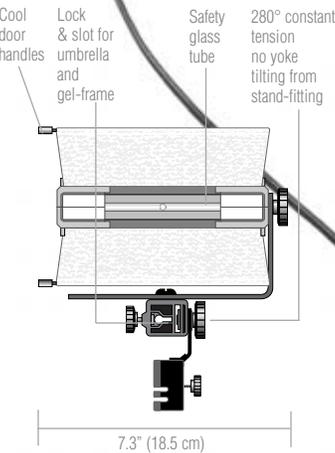
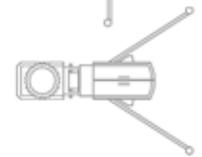
Closed for storage and travel



Doors at 180°



Normal: maximum illumination



Technical Data

Size closed: 7.3 x 7.3 x 1.3", (18.5 x 18.5 x 3.3 cm)
Weight with cable: 1.5 lbs. (680 g)
Max. wattage: 500
Max. amperage: 4.2 at 120 volts
Beam control: door angle provides vertical beam control
Fits on: 5/8" (1.59 m) studs and accessories
Materials: primarily aluminum and Ryton
Cable: 16' (4.88 m) #18/2
Switch: in-head
U. S. Patent: 4322779

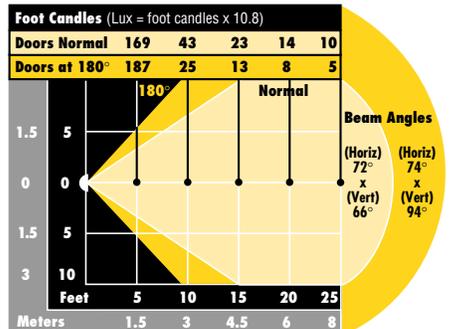
Lamp/Beam Data

Lamp Code	Volts	Watts	°K	Avg Life	F. C. (lux) at 10' (3 m)	
					doors norm	doors 180°
GDA	120	500	3150	100 hr	43 (465)	25 (270)
V1-240/250	240/250	500	3150	100 hr	37 (395)	20 (215)

The above lamps are low-pressure lamps. Tota and V lamps are not interchangeable.

Performance

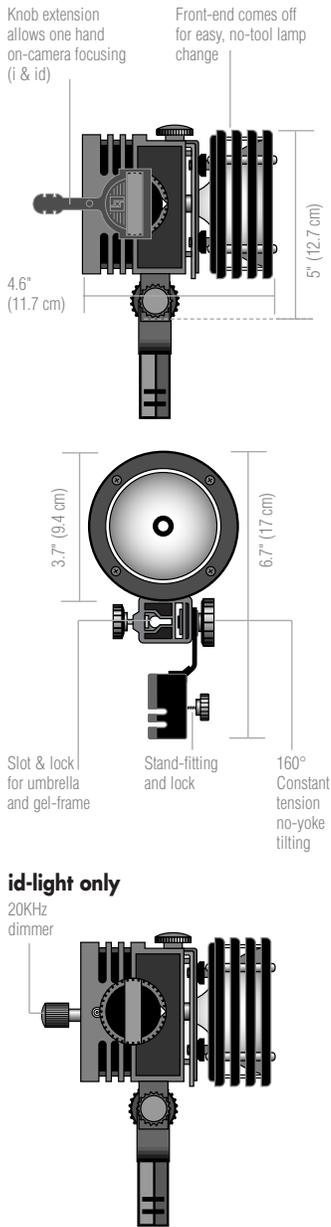
With 120v, 500w, 3150°K, GDA lamp



Beam angles—points at which intensity drops to 50% of maximum



Pro, i & id Specs



With its high intensity #2 Reflector & Prismatic Glass, the tiny focusable Pro-light is more efficient than a mini-fresnel of equal wattage. It gives an exquisite even light, with fresnel-like shadow quality, evenly dispersed flood, and a uniform spot with significant barndoor cut.

Variable Focus —12, 30,120, 230v; 50–250w



Used with today's more light sensitive digital cameras & filmstocks, its compact size makes it the perfect low-level key or accent light, fill light (with diffusion), or back-light for interviews & other small shooting-areas. In addition to a wide variety of customizing & control accessories, its versatility can be increased by adding a DC adapter cable & swapping its bulb for battery operation. Replace the Prismatic Glass with Clear Safety Glass for a non-focusing super-spot in special use situations.



The combination of the focusable 250 Watt Pro-light and the 500 Watt V-light, with its ability to broadly cover a wide area evenly, creates the foundation of a lighting system that easily can handle most contemporary run & gun shooting duties. The versatility of the ViP system is significantly enhanced by the wide selection of light control and mounting accessories.

All Pro-light AC cables have been updated with an IEC connector.

Pro-light 230v Euro dedicated CE approved model is now available.

Multi-use, tungsten halogen source.

Focus range-5:1 with GCA lamp.

Watts: 250 & 125 at 120v, 200 at 30v, 100 & 50 at 12v. 235 at 230v.

Tilting: 160°, adjustable, constant-tension, one-handed, no-yoke tilting.

Lamp/Beam Data (Pro & i/id lamps are not interchangeable)

Lamp Code	Volts	Watts	°K	Avg Life	Flood	F. C. (lux) at 10' (3 m)		
						Spot	Focus Range	Super Spot
GCA	120	250	3200	100 hr	26 (285)	131 (1420)	5:1	389 (4200)
FSH	120	125	3200	100 hr	11 (115)	48 (515)	4.5:1	139 (1500)
GCB	30	200	3200	100 hr	17 (180)	79 (850)	5:1	269 (2900)
GCC	12	100	3200	100 hr	12 (125)	58 (630)	5:1	245 (2650)
JCV14.5V-50WC 12/14	50	3200	100 hr	6 (70)	28 (305)	4:1	125 (1350)	
GLF/P44 *	230	235	3200	100 hr	39 (420)	81 (880)	2:1	178 (1920)

* Only fits CE Pro-light, updated Pro-light (4/2003) & older Pro-lights with updated Front Housing (iP2-18)

Technical Data

Weight: Pro-light with 4' captive cable: 1.3 lbs (590 g)
With 4' cable & 12' extension cable: 2 lbs (907 g)
Max. wattage: 250

Max. amperage: 8.3
Beam control: continuously variable
Fits on: 5/8" (1.59 cm) studs
Materials: primarily aluminum and Ryton

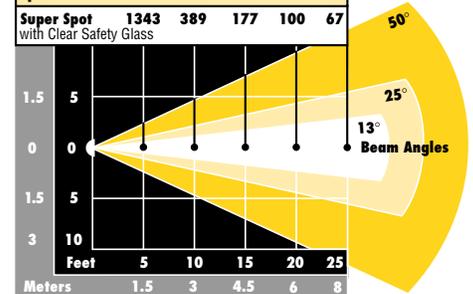
Cable: with extension 16' (4.88 m) #18/3. CE model with #18/2.
Switch: in-head
U.S. Patent: 4777566



Performance

With 120v, 250w, 3200°K, Osram GCA lamp

Foot Candles (Lux = foot candles x 10.8)					
Flood	100	26	12	7	5
Spot	519	131	55	31	20
Super Spot with Clear Safety Glass	1343	389	177	100	67



Beam angles-points at which intensity drops to 50% of maximum

i-light — 12/14v; 55, 100w

The battery-powered focusable i-light is a great camera-top choice.

It provides essential fill light, eye-light, high-lights, and contrast control in news and documentary shooting, without overwhelming available light.

Fitted with the high intensity #2 Reflector & Prismatic Glass to give an even flood & uniform spot, the i, and its dimmable counterpart the id-light, bring convenience & dependability to professional camera-top lighting.



i & id



Multi-use, tungsten halogen source.

Focus range-5:1 with i-100 lamp.

Watts: uses 55 & 100 Watt inexpensive, automobile halogen lamps at 12/14v.

i & id-lights fitted with high intensity #2 Reflector and Prismatic Glass for high quality flood and spot, just like Pro-light.

Replace Prismatic Glass with Clear Safety Glass for high intensity long throw super spot use.

Tilting: 160°, adjustable, constant-tension, one-handed, no-yoke tilting.

id-light —

Variable Focus & Dimmable 12/14v; 55, 100w

The id-light is the worlds first focusable & dimmable camera-top light. It provides increased versatility, especially in news & documentary use where lighting conditions may change quickly.

Its 20KHz dimmer provides graceful dimming with no electronic interference in the camera.

Both i & id-lights share accessories with the Pro-light.



Lamp/Beam Data (Pro & i/id lamps are not interchangeable)

Lamp Code	Volts	Watts	°K	Avg Life	F. C. (lux) at 10' (3 m)			
					Flood	Spot	Focus Range	Super Spot
i-100	12/14	100	3200	100 hr*	9 (99)	40 (430)	5:1	167 (1800)
i-55	12/14	55	3200	100 hr*	4 (40)	29 (315)	8:1	120 (1300)

*At 12v.

Technical Data

Weight:
i-light with 4' cable: 1.2 lbs (544 g)
id-light with 4' cable: 1.5 lbs (635 g)
Max wattage: 100
Max amperage: 8.3

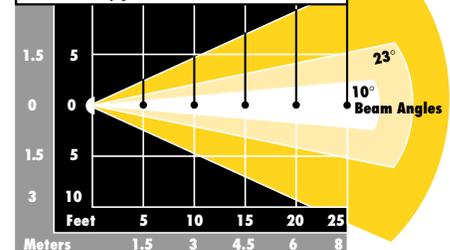
Beam control: continuously variable
Fits on: stands, studs, camera tops, etc.
Materials: primarily aluminum and Ryton

Cable: 4' (1.25 m) #16/2 with cigarette lighter connector
CE Model with #18/2 cable
Switch: in-head
U.S. Patent: 4777566

Performance

With 12v, 100w, 3200°K, i-100 lamp

Foot Candles (Lux = foot candles x 10.8)					
Flood	31	9	4	2	1.5
Spot	157	40	16	10	6
Super Spot with clear safety glass	648	167	65	39	26



Beam angles-points at which intensity drops to 50% of maximum

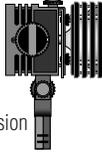
Lights &

The lights of this system are available in various accessory/combo packages. See current price list for more information.

Pro-light

Code: P2-10

Weight: 2 lbs (907 g)
Upgraded with 4' captive cable & IEC connector, 12-foot IEC extension AC cable, standard 3-wire plug, Stand-fitting (less lamp).



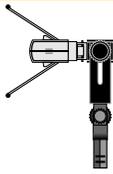
Code: P2-10CE

Dedicated CE approved 230v Euro model.

V-light

Code: V1-10

Weight: 1.5 lbs (680 g)
With 16-foot cable, protective lamp sleeve, L-link, Stand-fitting (less lamp).



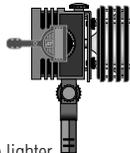
Code: V1-10CE

Dedicated CE approved 230v Euro model with CEE 716 plug

i-light Complete Set

Code: i-01

Weight: (light only)
1.2 lbs (544 g)
i light with 55 watt lamp, 4' captive cable with cigarette lighter connector, Low-link (ViP-37), Cam-link (ViP-41), iP Focus-knob Extension (iP-35) spare 100 watt lamp & ViP Stand-link (ViP-39).



i-light Complete Set

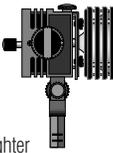
Same as above with:

i-02 4-pin XLR connector
i-045 Anton Bauer tap

id-light Complete Set

Code: id-01

Weight: (light only)
1.5 lbs (680 g)
id-light with 55 watt lamp, 4' captive cable with cigarette lighter connector, Low-link (ViP-37), Cam-link (ViP-41), iP Focus-knob Extension (iP-35), spare 100 watt lamp & ViP Stand-link (ViP-39).



id-light Complete Set

Same as above with:

id-02 4-pin XLR connector
id-045 Anton Bauer tap

Pro & i Upgrades & Front Housing

iP Retrofit Kit

Code: iP-14

Weight: 2 oz (56 g)
High intensity #2 Reflector (iP-17) & Prismatic Glass (iP-52). Use to upgrade earlier Pro & i-lights.



Clear Safety Glass

Code: iP-49

When used with #2 Reflector, becomes a non-focusing high intensity spot.



#2 Reflector with front housing & Clear Safety Glass

Code: iP2-19

With front housing & clear safety glass. For non-focusing spot only.



Pro-light Front Housing

Code: iP2-18

Upgraded Front housing, to allow use of 235 watt 230v lamp (GLF/P44). With installed #2 reflector & Prismatic Glass, supplied with upgraded (4/2003) Pro-light (P2-10 & P2-10CE).

Pro & i Focus-knob Extension

Code: iP-35

Weight: 1 oz (28 g)
This handle snaps onto the focus knob on Pro and i-lights for left-hand focusing in on-camera news work.



Stand-link

Code: ViP-39

Weight: 2 oz (56 g)
Rugged metal Stand-link mounts on 5/8" and smaller studs. Supplied with all ViP lights.



ViP Light Controls

Flag-link

Code: ViP-50

Weight: 1 oz (28 g)
Attaches to ViP lights. Accepts one Flexi-shaft.



Tota-tatch

Code: T1-34

Weight: 3.5 oz (98 g)
Attaches to stands, shelves, tripods, etc. Accepts one Flexi-shaft.



Flexi-shaft (2)

Code: T1-50

Size: 16" (40.65 cm)
Weight: 4 oz (113 g)
Flexible arm snaps onto Flag-link, Tota-tatch, or Tota-clamp and positions a Tota-flag or Tota-flector. (Pkg of 2).



Tota-flag

Code: T1-52

Size: 8 x 12" (20.3 x 30.5 cm)
Weight: 4 oz (113 g)
Black aluminum panel attaches to a Flexi-shaft for shadowing subject, background or lens.



ViP Light Controls

Tota-brella



Standard/Silver

Code: T1-25

Weight: 8 oz (227 g)
Size: 27" (68.6 cm) open, 19" (48.3 cm) closed.
Locks directly into all ViP lights to convert to small softlights. Recommended primarily for the V-light.

Special/White

Code: T1-26

Same as above with extremely soft, white reflective surface.

Tota-frame

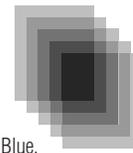
Code: T1-20

Weight: 6 oz (170 g)
Size: Folded 12 x 1 x 1" (30.5 x 2.5 x 2.5 cm)
Holds 10 x 12" (25.4 x 30.5 cm) gels.
Locks directly into V-light, pans and tilts with the light. Also fits Pro & i lights.



Tota Gels (5)

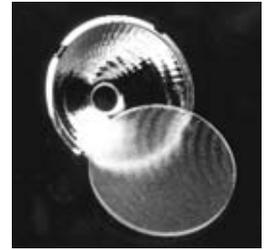
Size: 10 x 12" (25.4 x 30.5 cm) sheets
(Pkg of 5) Blue Frost (T1-69); Day Blue (T1-70); ND 3 (T1-71); Frost (T1-72); Assorted—3 Day Blue, 1 Frost, 1 ND 3 (T1-78).



Tota/Omni Gel File

Code: GF-10

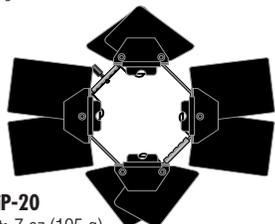
Size: 11 x 13" (27.9 x 33 cm)
Weight: 9 oz (255 g)
Stores 10 x 12" gels for Tota/Omni Gel frame.





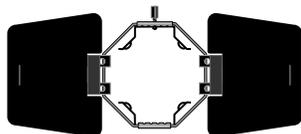
Pro, i Light Controls

4-way Barndoor



Code: iP-20
Weight: 7 oz (195 g)
 Barndoor Frame with two expandable rectangular leaves, two expandable triangular leaves. Accepts swing-in accessories. Rotates 360°.

2-way Barndoor



Code: iP-25
Weight: 4 oz (113 g)
 Barndoor Frame with two removable Non-expandable Clip-on Leaves (iP-24). Frame accepts swing-in accessories and additional leaves. Rotates 360°.

Barndoor Frame



Code: iP-21
Weight: 2 oz (57 g)
 Barndoor Frame only, accepts swing-in accessories, and/or leaves. Rotates 360°.

Expandable Rectangular Leaf



Code: iP-22
Weight: 1 oz (28 g)
 Changes from small to large rectangle as needed, and can be attached to, or removed from Barndoor Frame.

Expandable Triangular Leaf



Code: iP-23
Weight: 1 oz (28 g)
 Changes from triangular to square shape as needed and can be attached to, or removed from, Barndoor Frame.

Non-expandable Clip-on Leaf



Code: iP-24
Weight: 1 oz (28 g)
 Rectangular leaf easily clips on to Barndoor Frame.

Gel-Jawz



Code: CL-15
Weight: 2 oz (56 g)
 Package of eight clips. Attach to barndoor leaves to hold gels.



Swing-in Accessory Holder



Code: iP-30
Weight: 1 oz (28 g)
 Accessories can be changed in holders. However, for fast or frequent changes, each should have its own holder. Up to three holders attach to the Pro and i-light Barndoor Frame, for use one-at-a-time.

Swing-in Accessories

Weight with holder: 2 oz (57 g)

Diffused Glass

Softens light, creates gentler, more flattering, but less dramatic, highlights and shadows. Light loss approx. 40% in flood.



iP-50 Without Holder
 iP-50H With Holder

Dichroic Filter

Converts 3200°K light to average daylight. Light loss approximately one stop.



iP-51 Without Holder
 iP-51H With Holder

Full Scrim

Stainless-steel screen reduces light by approximately one stop. Unlike the Diffused Glass (or Frost Gel on Tota-frame) it will not diffuse or soften high-lights and shadows.



iP-54 Without Holder
 iP-54H With Holder

Half Scrim

Stainless-steel screen covers half of the light and rotates 360° to reduce the light on any part of the subject or foreground that is too bright.



iP-55 Without Holder
 iP-55H With Holder

Graduated Scrim

Stainless-steel screen sections reduce light more subtly and more completely than the Half Scrim. Rotates 360°. Useful to control subjects that become too bright as they approach a light, and fall-off on walls and subjects.



iP-56 Without Holder
 iP-56H With Holder

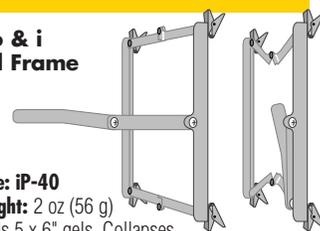
iP Prismatic Glass

Use in Swing-in holder with Clear Glass in front housing for quick change from super spot to focusable.



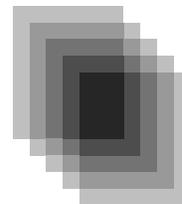
iP-52 Without Holder
 iP-52H With Holder

Pro & i Gel Frame



Code: iP-40
Weight: 2 oz (56 g)
 Holds 5 x 6" gels. Collapses for storage like Tota-frame.

Pro & i Gels (5)



Size: 5 x 6" (12.52 x 15.25 cm) sheets
 (Pkg of 5) Blue Frost (iP-69); Day Blue (iP-70); ND 3 (iP-71); Frost (iP-72); Booster Blue (iP-73); Assorted—3 Day Blue, 1 Frost, 1 ND 3 (iP-78).

Snoot



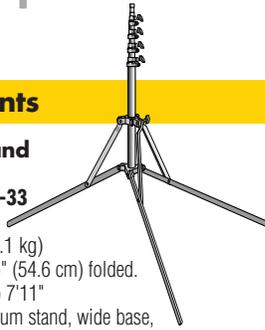
Code: iP-53
Weight: 4 oz (113 g)
 Fits directly on the light. Produces a reduced, soft-edged circle of light. A Barndoor Frame fits on the front, if needed.

Components

Mounts

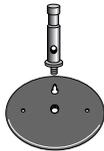
Uni-stand

Code: UN-33
Weight: 2.4 lbs (1.1 kg)
Size: 21.5" (54.6 cm) folded.
 Extends to 7'11"
 All aluminum stand, wide base, legs can lie flat to floor, large locking knobs. Folds compactly to fit in smaller kits.



Vipod with Stud-link

Code: ViP-355
Weight: 5 oz (142 g)
 Supports ViP lights on the floor or other flat surfaces. It can be screwed, Gaffer-taped or clamped to vertical surfaces. Combines with other ViP mounts for special uses. Stud-link is removable.



Vipod only

Code: ViP-35
Weight: 4 oz (112 g)

L-link

Code: ViP-36
Weight: 2 oz (57 g)
 Supplied with V-light. It can also be used with the Pro and i-lights and the Cam-link or Vipod to extend or re-position a light.



Low-link

Code: ViP-37
Weight: 1 oz (28 g)
 It enables the Pro and i-lights to be camera-mounted with a Cam-link or a 1/4-20 screw.



Stud-link

Code: ViP-38
Weight: 1 oz (28 g)
 5/8" (1.59 cm) stud with 1/4-20 screw, supplied with the Vipod. Can be used with Cam-link or directly on some video cameras.



Cam-link

Code: ViP-41
Weight: 1 oz (28 g)
 Locks onto video cameras that have a female shoe. It accepts a Low-link, L-link, or Stud-link.



Cam-link & Stud-link

Code: ViP-41S
Weight: 2 oz (57 g)

Cam-link & Low-link

Code: ViP-41L
Weight: 2 oz (57 g)
 For Pro- or i-light camera shoe mounting.

Handle & Low-link

Code: ViP-42
Weight: 3 oz (85 g)
 For hand-holding ViP lights.



Handle & Stud-link

Code: ViP-43
Weight: 3 oz (85 g)

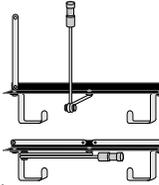
Tota-clamp

Code: T1-30
Weight: 4 oz (113 g)
 Clamps onto pipes, shelves, etc. up to 1 7/8" (4.78 cm) thick. 5/8" (1.59 cm) stud locks in two positions and accepts a light. Also accepts two Flexi-shafts with flags or flectors.



Tota-mount

Code: T1-32
Weight: 10 oz (284 g)
 Supports ViP lights on top of doors (open or semi-closed), on windows and some walls, when attached carefully with Gaffer-tape.



Gaffer-tape

The highest quality, cloth-backed adhesive tape attaches Lowel mounts to windows and walls.



12 yd roll

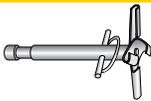
Code: GT-12
Weight: 8 oz (227 g)

30 yd roll

Code: GT-30
Weight: 1.25 lbs (567 g)

Scissor-mount (2)

Code: CM-20
Weight: 9 oz (250 g)
 Attaches small lights and accessories to grid of dropped-ceiling in offices and other areas. Use Gridlock (CM-21) with Pro-light. (Set of 2).



Gridlock

Code: CM-21
Weight: 9 oz (250 g)
 Attaches Pro-light right side up to the T-bar of dropped ceiling grids. Can also be used with i and V lights. (1 only).



Lobo

Code: F1-30
Weight: 10 oz (284 g)
 Attaches Lobo Arm to top or any part of a stand to make a miniature boom for ViP Lights. Also mounts large umbrellas, flags, etc.



Lobo Arm

Code: F1-40
Weight: 3 oz (85 g)
 22" (55.9 cm) shaft with 5/8" (1.59 cm) stud. Extends, articulates and booms small lights, reflectors, etc.

Safety Cable (3)

Code: CM-50
Size: 34" (86.4 cm)
Weight: 2 oz (57 g)
 Braided stainless-steel cable adds security to lights and accessories that are attached to overhead pipes, beams, dropped-ceiling grids, etc. (Set of 3)

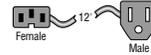


For more mounts:
 see Mounts section.

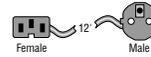
Cables & Connectors

Pro-light Cables

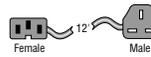
12' Cable
Code: P2-80
Weight: 2 oz (57 g)
 #18/3 cable with IEC connector is supplied with the updated Pro-light to extend its captive cable.
Code: P1-80 Original AC cable for pre-updated Pro-lights (pre-April 2003).



12' Pro Euro Cable
Code: P2-801
Weight: 10 oz (280 g)
 Adapts the updated Pro-light for use with European voltages. #18/3 with IEC connector and male CEE-7/7 plug



12' Pro UK Cable
Code: P2-802
Weight: 10 oz (280 g)
 Adapts the updated Pro-light for use in U.K. #18/3 with IEC connector and male fused BS 363A plug.



1' 2-pin 30v Cable
Code: P2-81
Weight: 2 oz (57 g)
 Adapts the updated Pro-light, with IEC connector, for use with many 30 volt batteries. #18/3; with switch and 2 pin "Amphenol Type" connector. No wiring required.
Code: P1-81 Original 30 V cable for pre-updated Pro-lights (pre-April 2003).



1' 4-pin XLR Cable
Code: P2-82
 Adapts the updated Pro-light for use with appropriate 12 volt batteries for 100w operation. No wiring required.
Code: P1-82 Original 4-pin XLR cable for pre-updated Pro-lights (pre-April 2003).



1' 12v Cigarette Lighter/Car Adaptor Cable
Code: P2-85
 Adapts updated Pro-light IEC Connector for use with some 12 volt batteries and automobile cigarette lighter sockets. No wiring required.

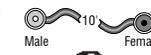


Code: 01-82
Weight: 1 oz (28 g)
 Connects T1-80 Cable to cigarette lighter connector.



i & id-light Connectors

10' Extension Cable
Code: i-85
Weight: 4 oz (113 g)
 Enables the i-light to be used inside or outside automobiles. No wiring required.



Anton Bauer Battery Tap
Code: i-86
Weight: 1 oz (28 g)
 Connects i & id-light to Anton Bauer Battery on video camera.

Cable Clips (10)
 Reusable quick release cable fasteners.

K4CC	Pkg of 10
KCC	Pkg of 40



Updated Pro-light Connector



Broad Throw — 120, 220/240v; 300-800w



Multi-use, tungsten halogen source.

Watts: 750 & 500 at 120v, 800 at 220/240v.

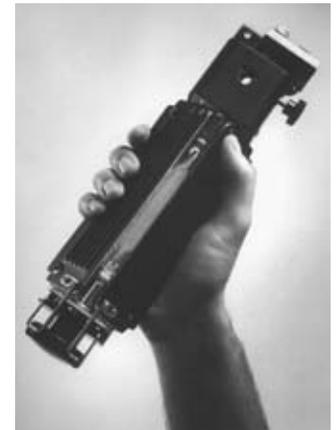
Adjustable reflecting doors can illuminate four walls evenly from a corner or compensate for light fall-off on vertical surfaces lit from above or below.

360° constant tension no-yoke tilting. Large, cool knobs.

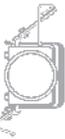
Closes compactly for storage & travel.

Never operate with doors closed beyond notched safety stop.

Protective front screen must always be used.



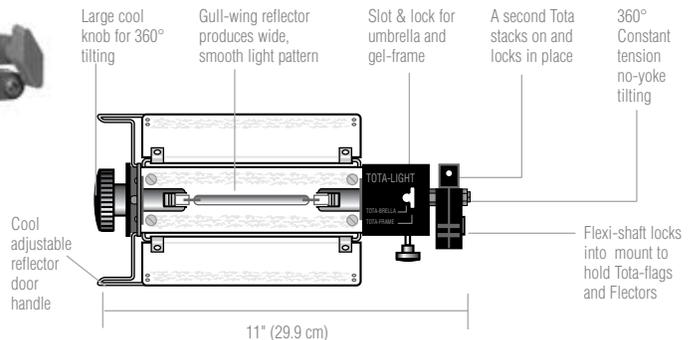
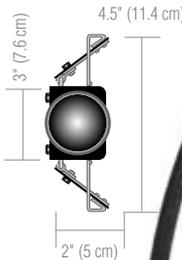
Compact, rugged & versatile, the broad throw Tota-light is a Lowel time honored favorite. It can be used with its umbrella or gel-frame & diffusion as a soft key, fill, or backlight. With its adjustable reflectors, it can be a smooth & even background light, or point it toward the ceiling to raise the ambient (base) light level of a room. Tota is also widely used for photographic copy work.



Doors at 180°

Cyc and wall illumination

Maximum spread, actually lights behind itself



Technical Data

Size closed: 2" x 3" x 11" (5 x 7.6 x 27.9 cm)
Weight less cable: 1.3 lbs (595 g)
With 16' cable: 2.25 lbs (1.02 kg)
Max. wattage: 750w at 120v, 800w at 220/240v
Max. amperage: 6.25 at 120v
Beam control: door angle provides vertical beam control
Fits on: studs 5/8" (1.59 cm) or smaller
Materials: primarily aluminum alloy
Cable: 16' (4.88 m) #18/3 wire
Switch: in-line
U.S. Patent: 3852582

Lamp/Beam Data

Lowel Code	Volts	Watts	*K	Avg Life	F. C. at 10' (3 m)	
					doors norm	doors 180°
EHZ	120	300	2900	2000 hr	14 (149)	11 (122)
FDN	120	500	3200	400 hr	27 (295)	22 (235)
FCZ	120	500	3000	2600 hr	26 (280)	19 (200)
FCM/HIR* (FWM)	120	650	3200	400 hr	60 (640)	45 (485)
EMD	120	750	3200	400 hr	41 (445)	34 (365)
EMF	220/240	800	3200	250 hr	45 (480)	34 (365)

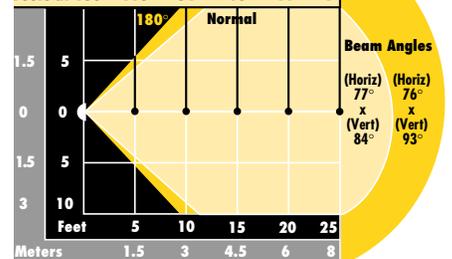
Tota and V lamps are not interchangeable.
 Tota lamps are frosted except FCM/HIR
 *G.E. Watt Miser™, also known as FWM, has virtually same output as 1000w lamp (see manufacturers specifications).

Performance

With 120v, 750w, 3200°K, EMD lamp

Foot Candles (Lux = foot candles x 10.8)

Doors Normal	146	41	21	13	9
Doors at 180°	116	34	18	11	7



Variable Focus — 12, 30, 120, 220/240v; 100-500w



The wide focusing range of the Omni-light makes it a flexible key or back-light. Add diffusion or an umbrella, and it's a soft fill source. Swap the power cord & lamp and it becomes a battery powered, hand-held light. Available with a host of accessories and built for heavy duty long life, the popular Omni is the perfect companion to the Tota.

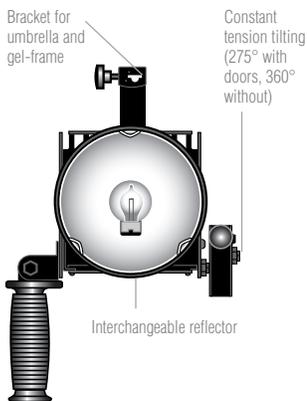
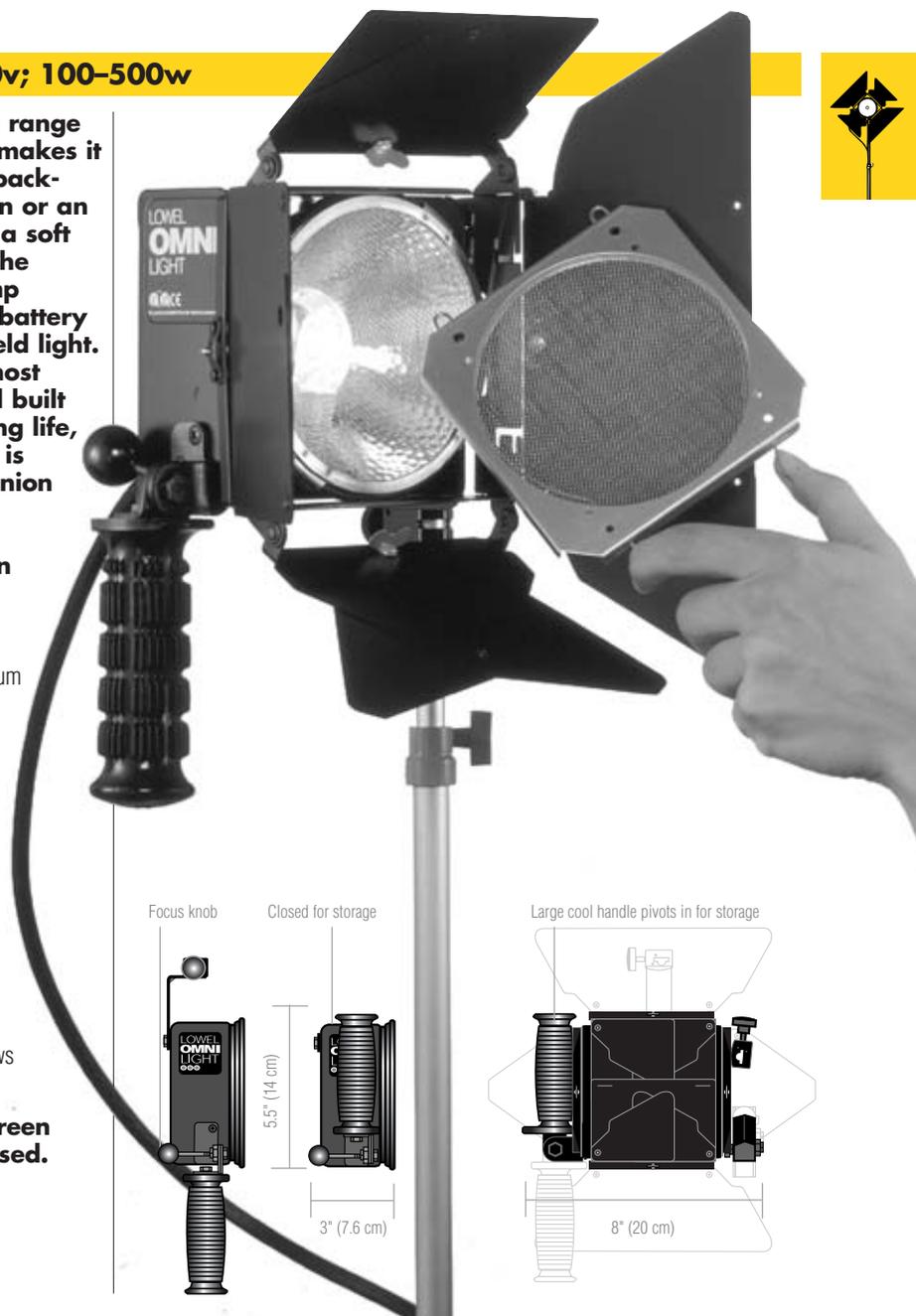
Multi-use, tungsten halogen source. Double parabolic, peened reflector provides non-crossover beam for maximum efficiency and gel life.

Focus range-6:1 with #1 reflector & FTK lamp.

Watts: 500, 420 & 300 at 120v, 500 & 300 at 220/240v, 250 at 30v, 100 at 12v.

Quick-change super-spot accessory reflector for exceptionally long throws at all voltages.

Protective front screen must always be used.



Lamp/Beam Data



Lamp Code	Volts	Watts	°K	Avg Life	Foot Candles at 10' (3 m), with protective screen			
					Flood	Spot	Super Spot	
EYL	12	100	3200	50 hr	14 (150)	111 (1200)	8:1	242 (2600)
DYG	30	250	3400	15 hr	37 (400)	311 (3350)	8:1	753 (8100)
JCD120V/300WC	120	300	3200	70 hr	32 (345)	278 (3000)	9:1	444 (4800)
EKB	120	420	3200	75 hr	66 (715)	390 (4200)	6:1	753 (8100)
FTK	120	500	3200	100 hr	75 (810)	475 (5130)	6:1	920 (9936)
GCX*	120	500	3200	150 hr	55 (590)	481 (5200)	9:1	602 (6500)
GCY*	230	500	3200	150 hr	47 (505)	324 (3500)	7:1	407 (4400)
JCD230V-300WC	230	300	3200	75 hr	27 (290)	222 (2400)	8:1	361 (3900)
JCD240V-500WC	240	500	3200	50 hr	47 (510)	370 (4000)	8:1	833 (9000)

*BluePinch seal, superior filament support with significantly increased lamp life.

Technical Data

Weight less cable: 1.7 lbs (771 g)
With 16' cable: 2.6 lbs
Max. wattage: 500w at 120v and 220/240v

Max. amperage: 8.3 at 30v & 12v
Beam control: continuously variable
Fits on: studs 5/8" (1.59 mm) and smaller

Materials: primarily aluminum alloy
Cable: 12, 120, 220, 240v: 16' #18/3 wire; 30v: 5' #18/3 wire

Switch: in-line
U.S. Patent: 4187531

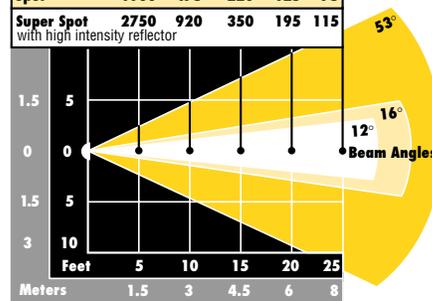


Performance

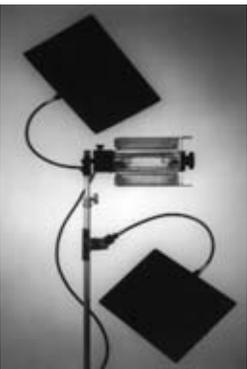
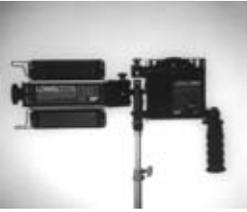
With 120v, 500w, 3200°K, FTK lamp

Foot Candles (Lux = foot candles x 10.8)

Flood	250	75	35	20	13
Spot	1900	475	220	125	75
Super Spot with high intensity reflector	2750	920	350	195	115



Beam angles-points at which intensity drops to 50% of maximum

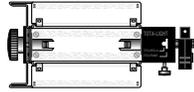


Lights &

The lights of this system are available in various accessory/combo packages. See current price list for more information.

Tota-light

Code: T1-10
Weight: 2.25 lbs (1.02 kg)
 With Protective Screen and 16' Cable (less lamp).



Omni-light (standard)

Code: O1-10
Weight: 2.6 lbs (1.18 kg)
 With standard #1 reflector, Protective Screen and 16' Cable (less lamp). For 30 & 12 volt operation, use #2 reflector and appropriate battery cable.



Omni-light 12v

Code: O1-12
Weight: 2.7 lbs (1.24 kg)
 With #2 reflector, Protective screen, 16' Cable and 12v Cigarette Lighter Adaptor (O1-82), (less lamp).

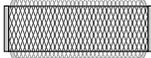
Omni-light 30

Code: O1-13
Weight: 2.25 lbs (1.02 kg)
 With #2 reflector, Protective Screen and 5' 2-pin "Amphenol Type" Connector Cable (O1-81), (less lamp).

Protective Screens

Tota-light Protective Screen

Code: T1-19
Weight: 2 oz (57 g)
 Supplied with light. Max. wattage: 750w (120v) or 800w (220/240v). Protects against lamp explosion. Must always be used.



Omni-light Protective Screen

Code: O1-19
Weight: 2 oz (57 g)
 Supplied with light. Max. wattage: 500w. Protects against lamp explosion. Must always be used.



Omni Reflectors

Weight: 2 oz (57 g)
 All reflectors are held in place by a retaining spring that allows fast, tool-less interchange.

#1 Reflector

Code: O1-15
 Standard full-focusing reflector with Lowel's unique peened, double parabolic, no-crossover configuration.



#2 Reflector

Code: O1-16
 Same as above with different peening for 12 & 30v lamps.



#3 Reflector

Code: O1-17
 Super-spot, fixed-focus reflector has a narrow, high intensity beam for long throws. Works with all voltages.



#4 Reflector

Code: O1-18
 Gold reflector for warm color effects. Full focusing, works with all voltages.



Tota/Omni Light Controls



Tota-brella Standard/Silver

Code: T1-25
Weight: 8 oz (227 g)
Size: 27" (68.6 cm) open, 19" (48.3 cm) closed.
 Locks directly onto Tota or Omni without tools to convert to softlight.

Special/White

Code: T1-26
 Same as above with extremely soft, white reflective surface.

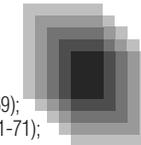
Tota-frame

Code: T1-20
Weight: 6 oz (170 g)
Size: Folded 12 x 1 x 1" (30.5 x 2.5 x 2.5 cm)
 Holds various 10 x 12" (25.4 x 30.5 cm) gels.
 Locks directly into all three lights, pans and tilts with the light.



Tota Gels (5)

Size: 10 x 12" (25.4 x 30.5 cm) sheets
 (Pkg of 5) Blue Frost (T1-69); Day Blue (T1-70); ND 3 (T1-71); Frost (T1-72); Assorted—3 Day Blue, 1 Frost, 1 ND 3 (T1-78).



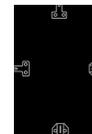
Tota/Omni Gel File

Code: GF-10
Size: 11 x 13" (27.9 x 33 cm)
Weight: 9 oz (255 g)
 Accepts 10 x 12" gels for Tota/Omni gel frame. Made of flexible woven nylon with dividers to organize gel colors & diffusion. See full description in Soft Cases section.



Tota-flag

Code: T1-52
Size: 8 x 12" (20.3 x 30.5 cm)
Weight: 4 oz (113 g)
 Black aluminum alloy panel attaches to a Flexi-shaft for shadowing subject, background or lens. Two or more snap together.



Flexi-shaft (2)

Code: T1-50
Size: 16" (40.65 cm)
Weight: 4 oz (113 g)
 Flexible arm snaps onto Flag-link, Tota-tatch, or Tota-clamp and positions a Tota-flag or Tota-flector. (Pkg of 2).



Tota Light Control

Tota-shade (1)

Code: T1-21
Weight: 3 oz (85 g)
Size: 9 x 4.5" (23 x 11.4 cm)
 Pivoting panels snap onto Lowel Tota and V-lights, providing light and lens-flare control & holding gels. Allows use of gel and umbrella together. (Side panels require top and bottom panels for support.)



Tota-shade Set (4)

Code: T1-24
Weight: 12 oz (340 g)

Tota-tatch

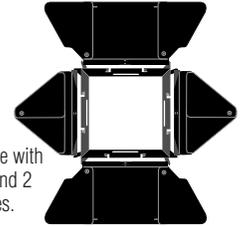
Code: T1-34
Weight: 3.5 oz (98 g)
 Attaches to stands, shelves, tripods, etc. Accepts one Flexi-shaft.



Omni Light Controls

Complete Barndoor

Code: O1-20
Weight: 8 oz (227 g)
 Barndoor Frame with 2 rectangular and 2 triangular leaves. Rotates 360° and holds 2 accessories (filters, snoot, etc.).



Barndoor Frame

Code: O1-21
Weight: 2 oz (57 g)
 Same as above minus leaves. Holds accessories; joins two snoots.



Rectangular Leaf

Code: O1-22
Weight: 2 oz (57 g)
 Locks on frame with 1/4 turn instant release connector; has two expandable wings.



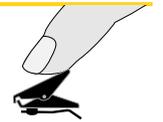
Triangular Leaf

Code: O1-23
Weight: 1 oz (28 g)
 Locks on frame with 1/4 turn instant release connector; has two expandable wings.



Gel-jawz (8)

Code: CL-15
Weight: 2 oz (56 g)
 Package of eight clips. Attach to barndoor leaves to hold gels. Use two per light.



Omni Light Controls

Diffused Glass

Code: 01-50

Weight: 3 oz (85 g)

Softens light; reduces intensity and contrast; improves shadow quality. Light loss approx. 40% in flood.



Dichroic Filter

Code: 01-51

Weight: 3 oz (85 g)

Converts 3200°K to average daylight with light loss of approx. one stop. Absorbs U.V.



Clear Glass

Code: 01-52

Weight: 3 oz (85 g)

Absorbs some U.V. with 5% light loss.



Full Scrim

Code: 01-54

Weight: 2 oz (57 g)

Stainless steel screen reduces light one stop without diffusion or softening of contrast.



Half Scrim

Code: 01-55

Weight: 2 oz (57 g)

Same as above, covers half the light, rotates 360° to reduce light on any part of the subject that is too bright.



Graduated Scrim

Code: 01-56

Weight: 2 oz (57 g)

Clear, single and double screen areas gradually reduce light intensity. Compensates for light fall-off on walls and subjects. Rotates 360°.



Cookaloris

Code: 01-57

Weight: 2 oz (57 g)

Cut metal disk creates a soft shadow pattern to "break-up" flat backgrounds.

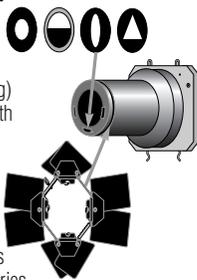


Omni Narrow Snoot

Code: 01-532

Weight: 4 oz (114 g)

For more control with smaller diameter circular cutoff (2.25" diameter). Accepts Fren-L patterns as well as Pro-light barn doors & swing-in accessories.

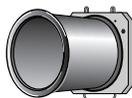


Snoot

Code: 01-53

Weight: 4 oz (113 g)

Creates a reduced, soft-edged circle of light. Two joined by a Frame (01-21), increases effect.



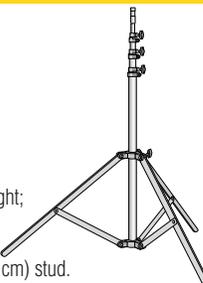
Mounts

Omni-stand

Code: 01-33

Weight: 2.6 lbs (1.2 kg)

Size: (2.74 m), 27" (69 cm) folded
Sturdy and lightweight; extends to 9'.
Collar clamping; standard 5/8" (1.59 cm) stud.



Uni TO Stand

Code: UN-55

Weight: 2.6 lbs (1.2 kg)

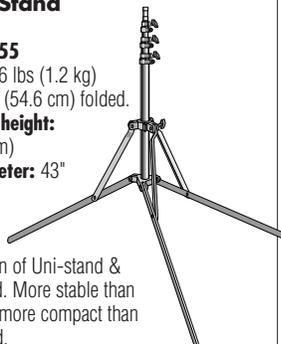
Size: 21.5" (54.6 cm) folded.

Maximum height:

7'11" (2.4 m)

Base diameter: 43"

New stand, based on design combination of Uni-stand & Omni-stand. More stable than Uni-stand, more compact than Omni Stand.



Tota-clamp

Code: T1-30

Weight: 4 oz (113 g)

Clamps onto pipes and objects up to 1 7/8" (4.8 cm) thick. 5/8" (1.59 cm) stud locks in two positions and accepts a light. Two Flexi-shafts with Tota-flags can be attached.



Tota-daptor

Code: T1-35

Weight: 4 oz (113 g)

Stacks multiple Tota-lights; converts under-sized stands to 5/8" (1.59 cm). Also accepts two Flexi-shafts with Tota-flags or Flectors.

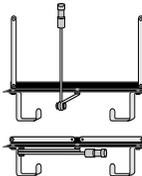


Tota-mount

Code: T1-32

Weight: 10 oz (284 g)

Hangs on doortops, Gaffer-tapes to windows and most wall surfaces to support Tota, Omni and other small lights. Folds for storage.



Scissor-mount (2)

Code: CM-20

Weight: 9 oz (250 g)

Attaches small lights and accessories to grid of dropped-ceilings in offices and other areas. (Set of 2).



Lobo

Code: F1-30

Weight: 10 oz (284 g)

Attaches Lobo Arm to top or any part of a stand to make a miniature boom. Also mounts large umbrellas, flags, etc.



Lobo Arm

Code: F1-40

Weight: 3 oz (85 g)

22" (55.9 cm) shaft with 5/8" (1.59 cm) stud. Extends, articulates and booms small lights, reflectors, etc.

Safety Cable (3)

Code: CM-50

Weight: 2 oz (57 g)

Size: 34" (86.4 cm)

Braided stainless-steel cable adds security to lights and accessories that are attached to overhead pipes, beams, dropped-ceiling grids, etc. (Set of 3).



For other Clamps, Booms, etc., see Mounts, section.

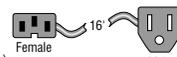
Cables & Connectors

16' Tota/Omni Cable

Code: T1-80

Weight: 13 oz (369 g)

Standard #18/3; with switch.

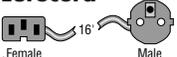


16' (5 m) Tota Eurocord

Code: T1-801

Weight: 13 oz (369 g)

#18/3 (.75 mm/3) with double pole switch and male CEE-7 plug.



16' (5 m) Tota UK Cord

Code: T1-802

Weight: 13 oz (369 g)

#18/3 (.75 mm/3) with double pole switch and male fused BS 1363A plug.

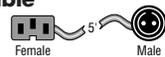


5' Omni 30v Cable

Code: 01-81

Weight: 7 oz (199 g)

#18/3; with switch and 2 pin "Amphenol Type" connector for batteries.



Omni 12v Car Adaptor

Code: 01-82

Weight: 1 oz (28 g)

Connects T1-80 Cable to cigarette lighter connector.



10' Unswitched Cable

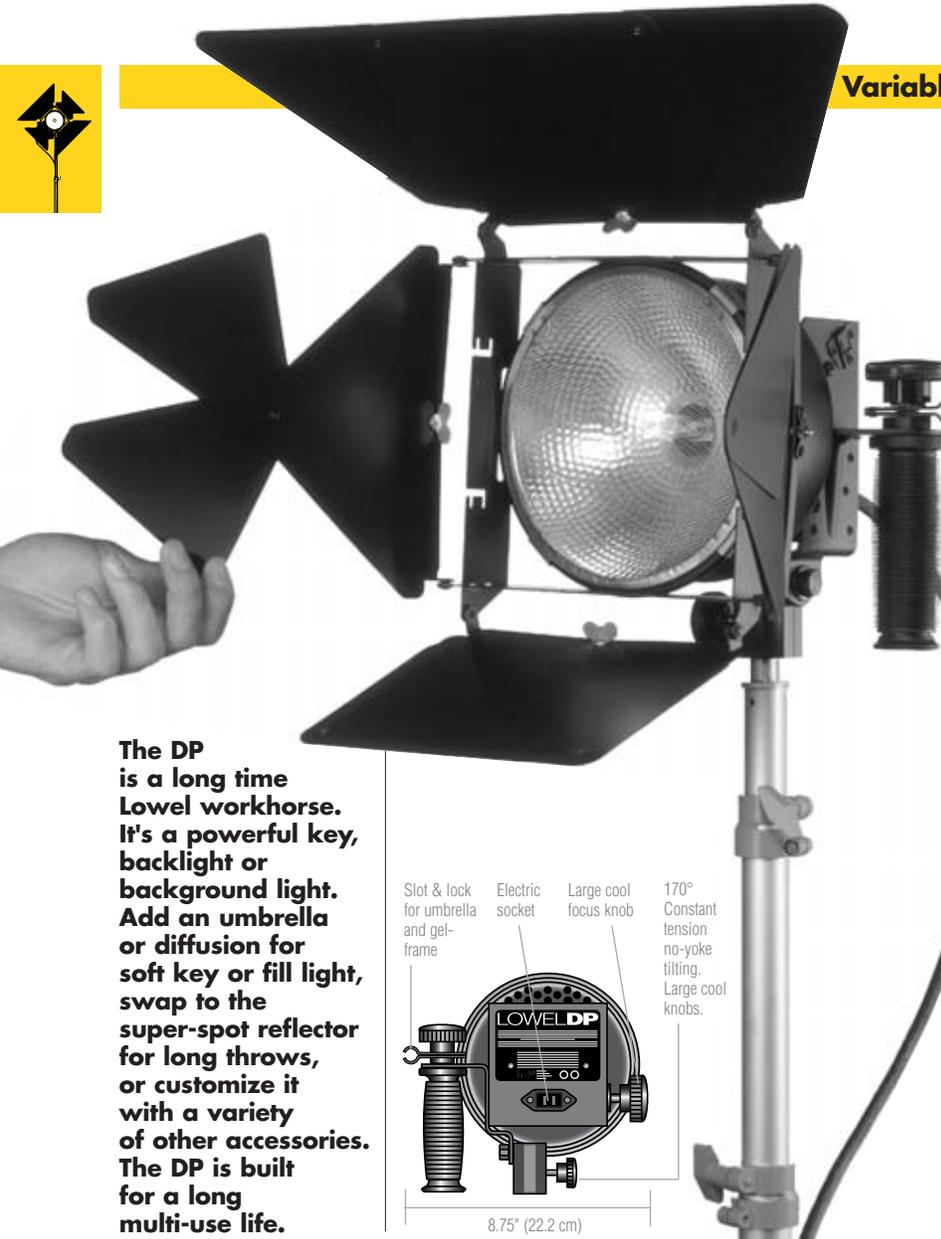
Code: T1-808

Weight: 1.1 lbs (.5 kg)

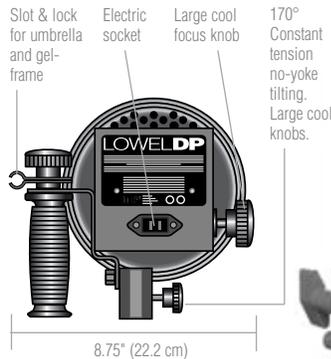
For portable stage lighting use. "Hard service" #18/3 cable.



Variable Focus —120, 220/240v; 500-1000w



The DP is a long time Lowel workhorse. It's a powerful key, backlight or background light. Add an umbrella or diffusion for soft key or fill light, swap to the super-spot reflector for long throws, or customize it with a variety of other accessories. The DP is built for a long multi-use life.



Multi-use, tungsten halogen source.

Watts:
1000, 750, 500 at 120v.
1000, 650, & 500 at 220 & 240v.

Peened, parabolic reflector provides non-crossover beam with axial filament orientation for improved shadow pattern and gel life.

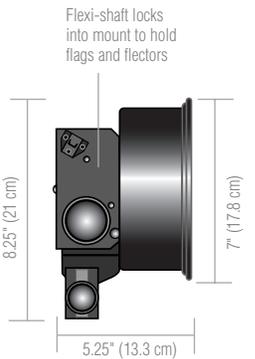
Focus range-8:1 with #1 reflector & FEL lamp.

Quick-change, super-spot reflector for exceptionally long throws at all voltages.

Tilting: 170° no-yoke, constant-tension, one-handed tilting from straight up to almost straight down.

Large cool knobs.

Protective front screen must always be used.



Technical Data

Weight with 16' cable:
3.6 lbs (1.6 kg)
Weight less 16' cable:
2.8 lbs (1.3 kg)

Max. wattage: 1000
Max. amperage: 8.3 at 120v
Beam control:
continuously variable

Fits on: 5/8" (1.59 cm) studs
Materials: primarily aluminum alloy
Cable: 16' (4.88 m) #16/3

Switch: in-line, heavy-duty
U.S. Patent: D 210972



Lamp/Beam Data



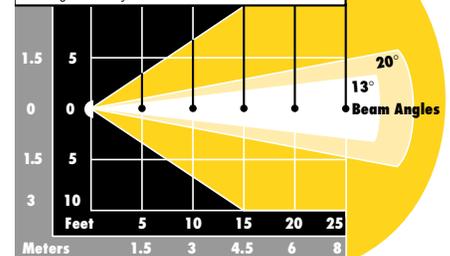
Lamp Code	Volts	Watts	°K	Avg Life	Foot Candles at 10' (3 m), with protective screen		
					Flood	Spot	Super Spot
EHC	120	500	3200	300 hr	43 (465)	390 (4200)	9:1 678 (7300)
EHD	120	500	3000	2000 hr	35 (375)	339 (3650)	10:1 743 (8000)
EHF	120	750	3200	300 hr	73 (780)	554 (5960)	8:1 892 (9600)
EHG	120	750	3000	2000 hr	70 (750)	390 (4200)	6:1 827 (8900)
FEL	120	1000	3200	300 hr	88 (950)	711 (7650)	8:1 1161 (12500)
JCV220V-500WBM	220	500	3000	2000 hr	43 (465)	242 (2600)	6:1 505 (5450)
FEP/220	220	1000	3200	150 hr	74 (795)	604 (6500)	8:1 1133 (12200)
JCV240V-500WBM	240	500	3000	2000 hr	45 (490)	218 (2350)	5:1 449 (4850)
FKR/230	230	650	3100	300 hr	61 (660)	381 (4100)	6:1 734 (7900)
FEP/240	240	1000	3200	150 hr	77 (825)	627 (6750)	8:1 1074 (11560)

Performance

With 120v, 1000w, 3200°K, FEL lamp

Foot Candles (Lux = foot candles x 10.8)

Flood	297	88	40	23	16
Spot	3066	711	307	166	109
Super Spot with high intensity reflector	5667	1161	604	334	209



Beam angles—points at which intensity drops to 50% of maximum

Lights &

The DP Light is available in various accessory/combination packages. See current price list for more information.

DP Light

Code: D2-10
Weight: 3.9 lbs (1.77 kg)
Supplied with Protective Screen, #1 Reflector, 16' (4.88 m) Cable with switch (less lamp).

Reflectors

Weight: 2 oz (57 g)
All switch in seconds without tools.

#1 Reflector

Code: D2-15
Standard, full focusing reflector with Lowel's peened, parabolic, non-crossover configuration.

#3 Reflector

Code: D2-17
Super-spot, fixed-focus, reflector has a narrow, high intensity beam for extremely long throws.

#4 Reflector

Code: D2-18
Gold reflector, for warm color effects. Full focusing.

DP Light Protective Screen

Code: D2-19
Weight: 2 oz (57 g)
Supplied with light and in kits. Max. wattage: 1000w. Protects against lamp explosion. Must always be used.

Light Controls

Complete Barndoor

Code: D2-20
Weight: 1 lb (454 g)
Barndoor Frame with two rectangular and two triangular leaves, all expandable. Rotates 360° and holds two accessories (dichroic, snoot, etc.).

Barndoor Frame

Code: D2-21
Weight: 4 oz (113 g)
Same as above minus leaves. Holds two accessories.

Rectangular Leaf

Code: D2-22
Weight: 4 oz (113 g)
Locks on frame with 1/4 turn instant release connector; has two expandable wings.

Triangular Leaf

Code: D2-23
Weight: 2 oz (57 g)
Locks on frame with 1/4 turn instant release connector; has two expandable wings.

Light Controls

Diffused Glass

Code: D2-50
Weight: 4 oz (113 g)
Softens light; reduces intensity and contrast.

Dichroic Filter

Code: D2-51
Weight: 4 oz (113 g)
Converts 3200°K to average daylight with light loss of one stop. Absorbs some U.V.

Clear Glass

Code: D2-52
Weight: 4 oz (113 g)
Absorbs some U.V. with 5% light loss.

Full Scrim

Code: D2-54
Weight: 3 oz (85 g)
Stainless steel screen reduces light one stop without diffusion or softening of contrast.

Half Scrim

Code: D2-55
Weight: 3 oz (85 g)
Same as above covers half the light, rotates 360° to reduce light on any part of the subject that is too bright.

Graduated Scrim

Code: D2-56
Weight: 3 oz (85 g)
Clear, single and double screen areas gradually reduce light intensity. Compensates for light fall-off on walls and subjects.

Cookaloris

Code: D2-57
Weight: 3 oz (85 g)
Cut metal disk creates a soft shadow pattern to "break-up" flat, bland backgrounds.

Snoot

Code: D2-53
Weight: 6 oz (170 g)
Creates a reduced, soft-edged circle of light. Two, joined by a Frame (D2-21), increase effect.

DP Narrow Snoot

Code: D2-532
Size: 5.5" length
Weight: 6 oz (170 g)
With smaller diameter circular cutoff (2.25" diameter), accepts Fren-L patterns as well as Pro-light barndoors & swing-in accessories.

DP Frame

Code: D2-24
Weight: 8 oz (227 g)
Attaches directly to DP to hold gels 12" x 16" (30.5 x 40.6 cm). Permanent gel clips and adjustable support arm.

Gels (4)

(Pkg of 4) 12 x 16" (30.5 x 40.6 cm) sheets. Blue Frost (D2-69); Day Blue (D2-70); ND 3 (D2-71); Frost (D2-72); Mixed (D2-78); 2 Frost, 1 Blue Frost, 1 ND 3.

DP Gel File

Code: GF-15
Size: 13.3 x 18" (33.8 x 45.7 cm)
Weight: 14 oz (398 g)
Accepts 12 x 16" gels for DP gel frame.

DP Brella Standard/Silver

Code: D2-25
Size: 41" (104 cm) open; 32.5" (82.6 cm) closed.
Weight: 1.4 lbs (635 g)
Slips directly into DP to convert it to a large soft light.

Code: D2-26
Weight: 1.4 lbs (635 g)
Slips directly into DP to convert it to a large soft light.

Special/White

Code: D2-26
Same as above with extremely soft, white reflective surface.

Cables

16' Tota/Omni Cable

Code: T1-80
Weight: 13 oz (369 g)
Standard #18/3; with switch.

16' (5 m) Tota Eurocord

Code: T1-801
Weight: 13 oz (369 g)
#18/3 (.75 mm/3) with double pole switch and male CEE-7 plug.

16' (5 m) Tota UK Cord

Code: T1-802
Weight: 13 oz (369 g) #18/3 (.75 mm/3) with double pole switch and Male fused BS 1363A plug.

10' Unswitched Cable

Code: T1-808
Weight: 1.1 lbs (.5 kg)
For portable stage lighting use. "Hard service" #18/3 cable.

Mounts

Uni Sr. Stand

Code: UN-66
Weight: 3.3 lbs (1.5 kg)
Size: 22.5" (57.2 cm) folded.
Maximum height: 7' (2.2 m)
Base diameter: 46"
Based on design of Uni-stand & KS Jr. Stand. Collapses smaller than KS Jr. Collar clamping.

KS Jr. Stand

Code: DT-33
Maximum height: 77" (2.3 m),
Collapsed length: 2'4" (65 cm)
Weight: 3.5 lbs (1.6 kg)
Wide based, sturdy, lightweight stand with 5/8" (1.59 cm) stud, 3 sections and solid bar legs.

KS Stand

Code: KS
Maximum height: 9' (2.74 m),
Collapsed length: 3' (91 cm)
Weight: 4 lbs (1.8 kg)
Wide based, sturdier, lightweight stand with 5/8" (1.59 cm) stud, 2 sections and tubular legs.

KSA Stand

Code: KSA
Same as above but black-anodized, air-cushioned stand.

Tota-clamp

Code: T1-30
Weight: 4 oz (113 g)
Clamps onto pipes, shelves, etc. up to 1 7/8" (4.78 cm) thick. 5/8" (1.59 cm) stud locks in two positions and accepts a light. Also accepts two Flexi-shafts with Tota-flags or Flectors.

Safety Cable (3)

Code: CM-50
Weight: 2 oz (57 g)
Recommended for extra security when attaching DP lights overhead. (Set of 3).

Missing Link

Code: ML-10
Weight: 6 oz (170 g)
Versatile clamp with double articulating female fitting increases flexibility when positioning small lights, flags, etc. Used with Double Male Stud (K1-11). Also available with large or small stud mounted spring clamps.



Variable Focus Fresnel — 120 & 220/240v; 300–650w



In the studio or on location, for those who love the beautiful light quality of a fresnel, there is simply no better choice than the Lowel Fren-L 650.

With an impressive 8:1 focusing range, it glides from an exceptionally wide even flood to a tight spot with sharp shadow quality.

Designed with input from working professionals, the Fren-L 650 features an oversized swing down handle, a pop-up scrim holder for easier access, double walled convection cooling, and a single arm stand-fitting yoke for a generous tilting range without the cable snarl.

Multi-use, tungsten halogen source

Watts: 650, 500, 300 at 120v & 220/250 volts.

Highest quality curved Schott fresnel lens (Borosilicate glass).

Focus range—8:1 with FRK lamp.

From wide, smooth flood to tight, intense spot with excellent edge modulation & control.

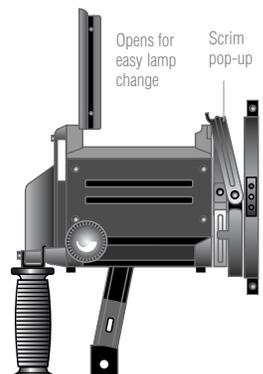
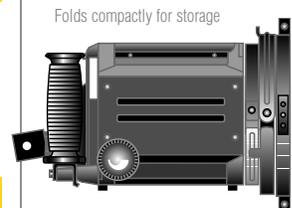
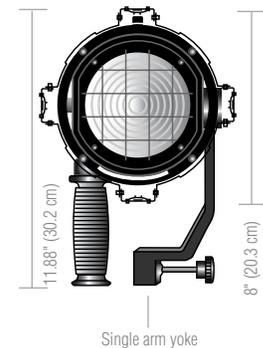
Rack and pinion lamp carriage glides on ball bearings for smooth focusing.

Captive barndoor/ accessory holder rotates 360°.

Expandable, instantly removable barndoor leaves.

Compatible with many ViP, Tota/Omni & DP control and mounting accessories. Rugged skeletal substructure under double walls.

Unique scrim pop-up lever.



Technical Data

Weight less cable & barndoors: 6 lbs (2.7 kg)
With cable & barndoors: 7.7 lbs (3.48 kg)
Max. wattage: 650
Max. amperage: 5.4 at 120v

Lens: curved Schott 4.72" (120 mm)
Beam control/focus range: continuously variable, 8:1
Fits on: 5/8" (1.59 cm) stud

Materials: primarily aluminum and steel
Cable: removable 16' (4.88 m) #18/3
Switch: in-line
U.S. Patent: D 388, 525

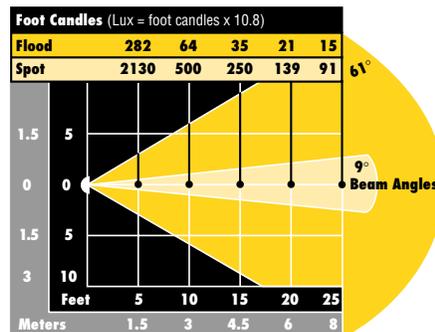


Lamp/Beam Data

Lamp Code	Volts	Watts	°K	Avg Life	F.C. (lux) at 10' (3 m)		
					Flood	Spot	Focus Range
FRK	120	650	3200	150 hr	64 (691)	500 (5400)	8:1
FRG	120	500	3200	150 hr	52 (562)	421 (4547)	8:1
FKW	120	300	3200	150 hr	29 (313)	250 (2700)	8:1
FSL	220/30	300	3200	150 hr	28 (310)	296 (3200)	10:1
FSK	240/50	300	3200	150 hr	26 (285)	241 (2600)	9:1
FRH	220	500	3200	150 hr	58 (630)	412 (4450)	7:1
FRJ	240	500	3200	150 hr	50 (545)	380 (4100)	7:1
FRL	220	650	3200	150 hr	64 (690)	449 (4850)	7:1
FRM	240	650	3200	150 hr	72 (780)	505 (5450)	7:1

Performance

With 120v, 650w, 3200°K, FRK lamp



Beam angles—points at which intensity drops to 50% of maximum

Light &

The Fren-L 650 is available in various accessory/combination packages. See current price list for more information.

Fren-L 650 Complete

Code: FR1-10
Weight: 7.7 lbs (3.5 kg)

With barndoor holder, 4 exp. doors (FR1-20), Gel-brella bracket (FR1-25), cable (T1-80), (less lamp).



Fren-L 650 Only

Code: FR1-11

Weight: 7.25 lbs (3.3 kg)
With barndoor holder (no leaves) & cable (T1-80), (less lamp).

Light Controls

Triangular & Rectangular Barndoor Leaves (2 of each)



Code: FR1-20

Weight: 9.5 oz (266 g)
Triangular barndoor leaf variable from triangle to square shape. Rectangular leaf has 2 expandable wings. Both lock on frame with 1/4 turn quick release connectors.

Rectangular leaf (1)

Code: FR1-22

Weight: 3 oz (84 g)

Triangular leaf (1)

Code: FR1-23

Weight: 2 oz (56 g)

Gel-jawz (8)



Code: CL-15

Weight: 2 oz (56 g)
Package of eight clips. Attach to barndoor leaves to hold gels.

Gel-brella & Flexi-shaft Bracket



Code: FR1-25

Weight: 2.5 oz (70 g)
Screws into Fren-L side wall allowing attachment of Tota-frame or Tota-brella.

Snoot



Code: FR1-53

Weight: 7 oz (196 g)
With 2.25" diameter circular cutoff. Accepts Fren-L patterns as well as Pro-light barn doors & swing-in accessories.

Full scrim



Code: FR1-54

Weight: 1 oz (28 g)
Stainless-steel pop-in screen reduces light by approximately one stop.

Light Controls

Half scrim



Code: FR1-55

Weight: 1 oz (28 g)
Stainless-steel pop-in screen covers half of the light and rotates 360° to reduce the light on any part of the subject or background that is too bright.

Graduated scrim



Code: FR1-56

Weight: 1 oz (28 g)
Stainless-steel pop-in screen gradually reduces light intensity. Compensates for light fall-off on walls and subjects. Rotates 360°.

Set of 3 snoot patterns



Code: FR1-58

Weight: .5 oz (14 g)
Aluminum discs with centered pattern cutouts (1 oval, 1 triangle, 1 circle) fit into snoot front to further shape light beam.

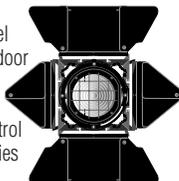
ViP Light Controls for Snoot



The Lowel Pro and i-light Barndoor Frame can be attached to the Snoot groove and rotated. One or more doors can be clipped onto the Frame to modify the beam shape. A Pro and i-light Swing-in Accessory Holder can be mounted on the Frame, and a Diffused Glass, Dichroic Filter or Scrim can be inserted.

See ViP Light Controls.

DP Barndoor Alternatives



The Lowel DP Barndoor Frame and its light control accessories can be mounted on, and rotated with, the Fren-L Barndoor Frame. DP Barndoor accepts DP Snoot, Scrim and Dichroic filter. Lowel DP Barndoor leaves only, can be used directly on Fren-L frame, however, Gel frame can not be used with DP Barndoors attached.

See DP Light Controls.

Tota/Omni Light Controls

The following Tota/Omni light controls can be attached to the Fren-L 650 using the accessory Gel-brella Bracket. For additional information, see Tota/Omni Light Controls.

Tota-brella (Standard/Silver)
Code: T1-25

Tota-brella (Special/White)
Code: T1-26

Tota-frame
Code: T1-20

Tota Gels (5)
Code: Varies with gel

Flexi-shaft (2)
Code: T1-50

Tota-flag
Code: T1-52

Tota-flector
Code: T1-54

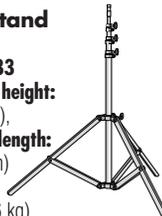
Mounts

KS Jr. Stand

Code: DT-33
Maximum height: 77" (2.3 m),

Collapsed length: 2'4" (65 cm)

Weight: 3.5 lbs (1.6 kg)
Wide based, sturdy, lightweight stand with 5/8" (1.59 cm) stud, 3 sections, and solid bar legs.

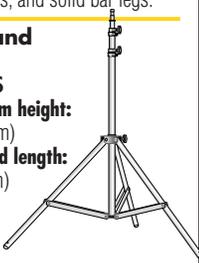


KS Stand

Code: KS
Maximum height: 9' (2.74 m)

Collapsed length: 3' (91 cm)

Weight: 4 lbs (1.8 kg)
Wide based, sturdier, lightweight stand with 5/8" (1.59 cm) stud & tubular legs.



KSA Stand

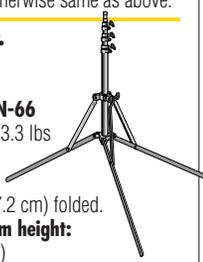
Code: KSA
Black-anodized, air-cushioned stand. Otherwise same as above.

Uni Sr. Stand

Code: UN-66
Weight: 3.3 lbs (1.5 kg)

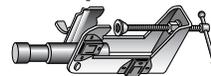
Size: 22.5" (57.2 cm) folded.

Maximum height: 7' (2.2 m)
Base diameter: 46"
Based on design of Uni-stand & KS Jr. stand. Collapses smaller than KS Jr. Collar clamping.



Mounts

Tota-clamp



Code: T1-30

Weight: 4 oz (113 g)
Clamps onto pipes and objects up to 1 7/8" (4.8 cm) thick. 5/8" (1.59 cm) stud locks in two positions and accepts a light. Two Flexi-shafts with Tota-flags can be attached.

Safety Cable (3)



Code: CM-50

Weight: 2 oz (57 g)
Size: 34" (86.4 cm)
Braided stainless-steel cable adds security to lights and accessories that are attached to overhead pipes, beams, dropped-ceiling grids, etc. (Set of 3).

Cable Clips (10)

Reusable quick release cable fasteners.

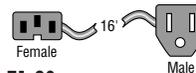
K4CC Pkg of 10

KCC Pkg of 40

For other Clamps, Booms, etc, see Mounts section.

Cables

16' Tota/Omni Cable



Code: T1-80

Weight: 13 oz (369 g)
Standard #18/3; with switch.

16' (5 m) Tota Eurocord



Code: T1-801

Weight: 13 oz (369 g)
#18/3 (.75 mm/3) with double pole switch and male CEE-7 plug.

16' (5 m) Tota UK Cord



Code: T1-802

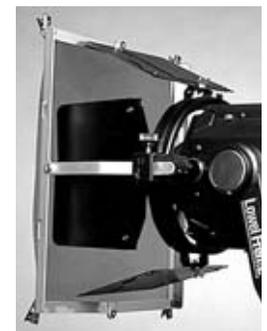
Weight: 13 oz (369 g)
#18/3 (.75 mm/3) with double pole switch and male fused BS 363A plug.

10' Unswitched Cable



Code: T1-808

Weight: 1.1 lbs (.5 kg)
For portable stage lighting use. "Hard service" #18/3 (.75 mm/3) cable.



L-light — Screw-base MR-16 Tungsten Halogen & Reflector Lamps —120v

A youthful cousin to the Lowel-light, the tiny L-light is an easy to hide accent light, a quick kicker, a discreet backlight or, with diffusion, a subtle fill. With a variety of mounting & accessory options, it's the perfect answer for those situations where a small, versatile light is needed.



Uses any standard Edison (med. E-26) screw-in base lamp, including our special screw-threaded MR-16.

Watts: Reflector lamps— up to 300 at 120v.

Light controls: clip-on barndoors, umbrella, gels and glass accessories.

Compatible with: many ViP and Tota accessories. Barndoors can control lamps up to R-20 in size.

2 Mounting options: Stand-link version (shown) mounts on stands, stud clamps, booms, Scissor-mounts, etc.

Home-plate™ version allows attachment to poles, stands, 2 x 4's, etc., plus floors walls & other vertical surfaces with Gaffer-tape.

Stores compactly with a lamp and barndoors attached.

Newly updated with IEC connector AC Cable.

Technical Data

Weight: with 34" captive cable: 13 oz (368 g)
With 16' switched cable: 2 lbs. (.9 kg)
Max. wattage: 300
Max. amperage: 2.5
Materials: aluminum, steel and porcelain

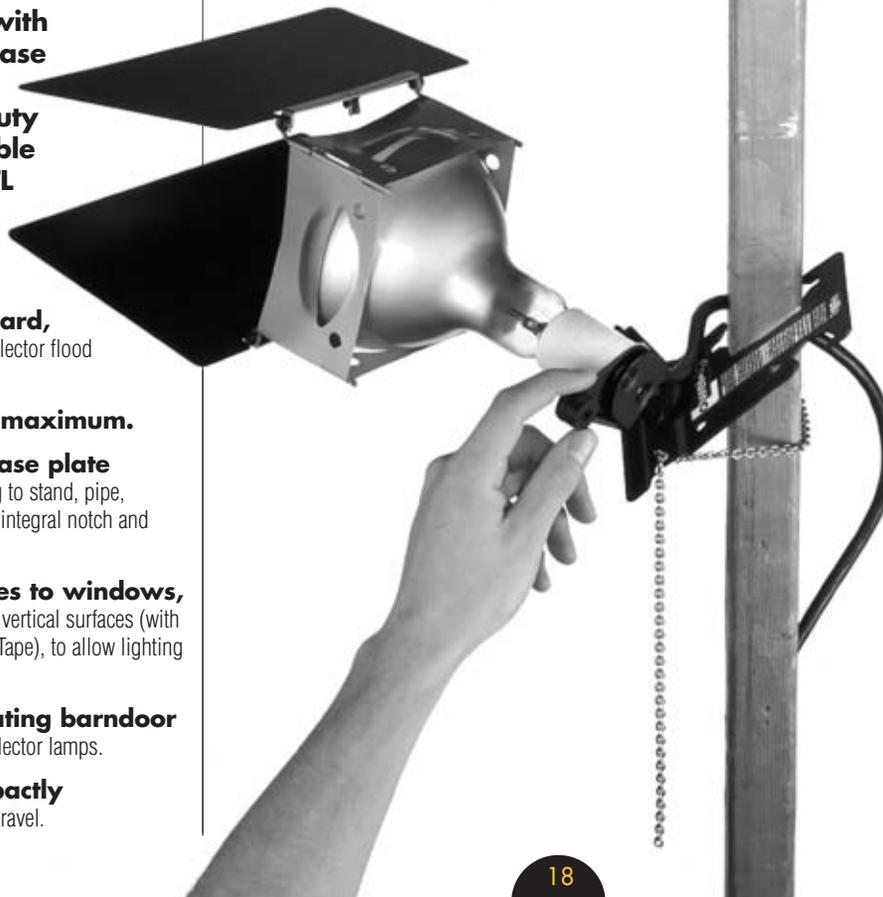
Switch: on 16' #18/3 cable
U.S. Patents: 3088024, 3179366, 3140053
Halogen lamps: medium-base (E26) MR-16 Halogen, & others



Lowel-light — Tungsten Halogen & Reflector Lamps —120v

For traditionalists, the original Lowel-light that started our company in 1959 is back. It has been updated with a wider base plate, a heavier duty power cable and an ETL approval.

It's ideal for base & background light, fill light or backlight. The barndoor frame attaches directly to an R-40 reflector lamp for additional control.



Uses standard, incandescent reflector flood and spot lamps.

500 watts maximum.

Versatile base plate allows mounting to stand, pipe, or 2 x 4 with its integral notch and chain system.

Gaffer-tapes to windows, walls, and other vertical surfaces (with supplied Gaffer Tape), to allow lighting without stands.

2-leaf, rotating barndoor for R-40 (5") reflector lamps.

Folds compactly for storage and travel.

Technical Data

Weight: with 8' captive unswitched cable: 1.1 lbs (457 g)
Max. wattage: 500
Max. amperage: 4.2 at 120v
Materials: aluminum, steel and porcelain
U.S. Patents: 3088024, 3179366, 3140053
Lamps: medium-base (E26) MR-16



Lights &

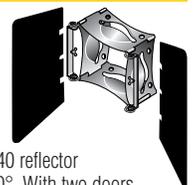
Lowel-light

Code: LL-1
Size: 6.25 x 3.5 x 2.5" (15.9 x 8.9 x 6.4 cm)
Weight: 1.1 lbs (457 g)
 With mounting baseplate, 8' (2.43 m), Cable and 3 yard roll Gaffer-tape, less lamp.



Barndoor

Code: BR-40
Weight: 4 oz (113 g)
 Fold-up Frame fits directly on R-40 reflector lamps, rotates 360°. With two doors.



Replacement Flap

Code: BR-1
Weight: 1 oz (28 g)
 One flap only.

Complete Bulbmount only

Code: BR-2
Weight: 3 oz (85 g)
 Same as BR-40 without doors.

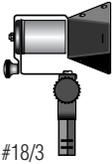
Lights &

The lights of this system are available in various accessory/combination packages. See current price list for more information.

L-light with Stand-link

Code: L2-10
Weight:

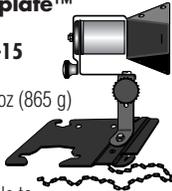
1.7 lbs (770 g)
With 16' switched #18/3 T1-80 cable to extend captive 34" IEC connector cable, (less lamp).



L-light with Home-plate™

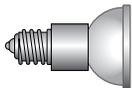
Code: L2-15
Weight:

1 lb 14.5 oz (865 g)
With 16' switched #18/3 T1-80 cable to extend captive 34" IEC connector cable, (less lamp).



L-light uses any standard Edison (med. E-26) screw-in base lamp, including our special screw-threaded MR-16.

MR-16 Halogen Lamps



Weight: 2 oz (57 g)
Medium base, screw in, wide angle flood and narrow-angle spot lamps. 120v, 100w, 3000°K, 2000 hrs.

100w Flood

Code: L1-100F
F.C. at 10'=25°
Beam Angle=40°

100w Spot

Code: L1-100S
F.C. at 10'=28°
Beam Angle=13°

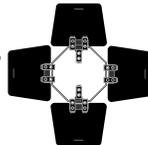
MR-16 lamps must always be used with an MR-16 glass accessory.

L-light Light Controls

4-way Clip-on Barndoor

Code: L1-20

Weight: 4 oz (113 g)
Frame with four removable leaves. For use with R-20 and smaller lamps.



2-way Clip-on Barndoor

Code: L1-25

Weight: 3 oz (85 g)
Same as above, except with only two removable leaves. Accepts ViP Swing-in Accessory Holder or two more leaves.



Clip-on Barndoor Frame (no leaves)

Code: L1-21

Weight: 1.5 oz (40 g)
Frame only. Accepts ViP Swing-in Accessory Holder and/or up to four Clip-on Barndoor leaves.



Clip-leaf (only)

Code: iP-24

Weight: 1 oz (28 g)
Single Clip-on Barndoor. Fits onto Barndoor Frame (L1-21).



BR-40 Barndoor

Code: BR-40

Weight: 4 oz (116 g)
Original Lowel-light fold-up, rotatable, two-leaf barndoor system. Fits directly onto R-40 lamps.



MR-16 Clip-on Holder Accessories

Weight: 2 oz (57 g)

Clear Glass in Holder
Code: L1-52H
Attaches to rim of halogen MR-16 lamps. Absorbs some U.V. with 5% light loss.



Diffused Glass in Holder

Code: L1-50H

Attaches to rim of halogen MR-16 lamps. Softens light; reduces intensity and contrast. Light loss: approx. 50%.



Dichroic Filter in Holder

Code: L1-51H

Attaches to rim of halogen MR-16 lamps. Converts tungsten to approx. average daylight. Light loss: approx. one stop.



Booster Blue Filter in Holder

Code: L1-58H

Attaches to rim of halogen MR-16 lamps. Boosts color temperature to approx. 3200°K.



ViP Swing-in Accessory Holder

Code: iP-30

Weight: 1 oz (28 g)
Attaches onto Barndoor Frame to accept glass accessories and scrims. Also used for Pro-and i-lights. (See ViP System)



Diffused Glass With Swing-in Holder

Code: iP-50H

Softens light, reduces intensity. Light loss: approx. 50%.

Dichroic Filter With Swing-in Holder

Code: iP-51H

Converts tungsten to approx. average daylight. Light loss: approx. one stop. Diameter: 2.7" (6.9 cm).

Gel-jawz (8)

Code: CL-15

Weight: 2 oz (56 g)
Package of eight clips. Attach to barndoor leaves to hold gels. Use two per light.



Pro & i Gel Frame

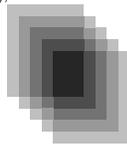
Code: iP-40

Weight: 2 oz (56 g)
Holds 5 x 6" gels. Collapses for storage like Tota-frame.



Pro & i Gels (5)

Size: 5 x 6" (12.52 x 15.25 cm) sheets (Pkg of 5)
Blue Frost (iP-69);
Day Blue (iP-70);
ND 3 (iP-71);
Frost (iP-72);
Assorted—
3 Day Blue,
1 Frost,
1 ND 3 (iP-78).



Tota-brella Standard/Silver

Code: T1-25

Weight: 8 oz (227 g)
Size: 27" (68.6 cm) open, 19" (48.3 cm) closed.
Slips into L-light mounting bracket to create a softlight.

Special/White

Code: T1-26

Same as above with extremely soft, white reflective surface.



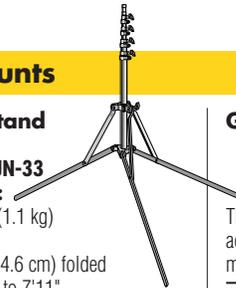
Mounts

Uni-stand

Code: UN-33

Weight: 2.4 lbs (1.1 kg)

Size: 21.5" (54.6 cm) folded
Extends to 7'11".
All aluminum stand, wide base, legs can lie flat to floor, large locking knobs. Folds compactly to fit in smaller kits.



Stand-link

Code: ViP-39

Weight: 2 oz (56 g)

Rugged metal Stand-link mounts L-light on 5/8" and smaller studs on stands, clamps, handles and Scissor-mounts. Supplied with L2-10.



Home-plate™

Code: L1-32

Weight: 4 oz (113 g)
Balances L-light (and ViP lights) on floors and other surfaces; mounts L-light on pipes and stands, behind moldings and, with Lowel Gaffer-tape, to windows and some walls. Supplied with L2-15.



Tota-clamp

Code: T1-30

Weight: 4 oz (113 g)
Clamps onto pipes and objects up to 1 7/8" (4.8 cm) thick. 5/8" (1.59 cm) stud locks in two positions and accepts a light. Two Flexi-shafts with Tota-flags can be attached.



Small Spring Clamp w/Stud

Code: ML-12

Weight: 3.5 oz (99 g)
5/8" stud mounted versatile spring clamps.



Large Spring Clamp w/Stud

Code: ML-13

Weight: 6.5 oz (185 g)

Gaffer-tape



The highest quality, cloth-backed adhesive tape attaches Lowel mounts to windows and walls.

12 yd roll

Code: GT-12

Weight: 8 oz (227 g)

30 yd roll

Code: GT-30

Weight: 1.25 lbs (567 g)

Other Mounts

Scissor Mount (2)

Code: CM-20

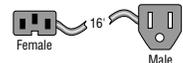
Lobo Arm & Lobo

Code: F1-41

For more Mounts: see Mounts section.

Cables

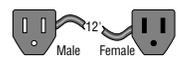
16' Switched AC Cable



Code: T1-80

Weight: 13 oz (369 g)
Standard #18/3; with IEC connector & switch, supplied with updated L-lights (4/2003) to extend its 34" captive cable.

12' Cable



Code: L1-80 For pre-updated

L-lights (pre-4/2003). 12' switched #18/3 cable extends L-light's captive cable. Do not use as a general-purpose extension cable.



Collapsible Softlight — 12/14, 30, 120/240v; 50—1000w



1 minute set-up time

Unlike common, inefficient soft boxes that must first be assembled and then attached to a light as an accessory, the Rifa is both light and soft box combined. Rifa-lites can easily go from carry bag to stand, fully set up, in 1 minute or less.



1 Remove from bag & place on stand.



2 Pushing in lamp fixture quickly opens shell.



3 Shell fully opens & locks into place.



4 Attach diffuser, plug it in & power it up.

Creating beautiful soft key or fill light doesn't

have to be strenuous or time consuming. Compact, lightweight, & self-contained, the Rifa-lite uses a simple design approach as old as the umbrella to achieve its quick & easy setup and strike capabilities.

Bathe almost anything, from talking heads to table-top stills,

in luxurious almost fool-proof soft light. It's the perfect complement to today's compact, light-sensitive, digital cameras & filmstocks.

Permanently mounted tungsten halogen

lamp fixture, centered in collapsible silver aluminized high temperature Nomex® housing.

4 light-efficient models:

Max. 300, 500, 750 & 1000w.

State of the art woven

glass fabric front diffuser offers exceptional heat resistance. Front diffuser must always be used.

Easy access pockets

on fabric shell allow clip-on gel attachment for correcting to daylight.

Light controlled with

fold-up accessory fabric Egg Crates.

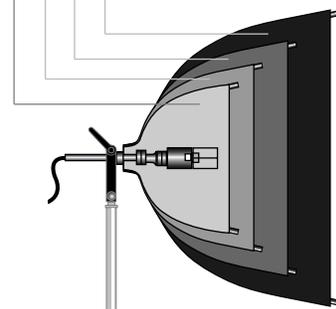
Accessories include

fabric Egg Crates, higher output Diffusers for sharper shadows, Balance Bar for more versatile positioning, plus many standard Lowel mounting accessories.

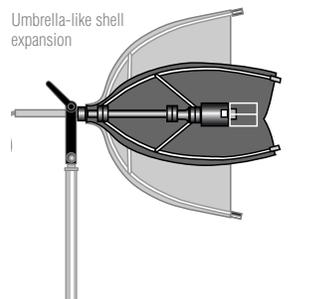


Technical Data

- LC-44 – 16 x 16" (40 x 40 cm)
- LC-55 – 21 x 21" (53 x 53 cm)
- LC-66 – 25 x 25" (63.5 x 63.5 cm)
- LC-88 – 32 x 32" (81 x 81 cm)



LC-44
Collapsed length: 21" (53 cm)
Front size: 16 x 16" (40 x 40 cm)
Max. wattage: 300
Max. amperage: 2.5 at 120v
Weight: 2.1 lbs (1 kg) w/ 4' capt. cable



LC-55
Collapsed length: 24" (61 cm)
Front size: 21 x 21" (53 x 53 cm)
Max. wattage: 500
Max. amperage: 4.2 at 120v
Weight: 2.5 lbs (1.1 kg) w/ 4' capt. cable

Umbrella-like shell expansion

LC-66
Collapsed length: 30" (76 cm)
Front size: 25 x 25" (63.5 x 63.5 cm)
Max. wattage: 750
Max. amperage: 6.25 at 120v
Weight: 3.5 lbs (1.6 kg) w/ 4' capt. cable

LC-88
Collapsed length: 34" (86 cm)
Front size: 32 x 32" (81 x 81 cm)
Max. wattage: 1000
Max. amperage: 8.3 at 120v
Weight: 4.5 lbs (2 kg) with 4' capt. cable

U.S. Patent: 459645



Lamp/Beam Data



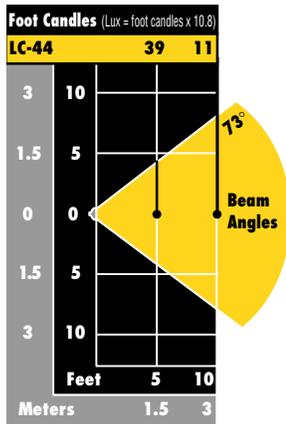
Lamp Code	Volts	Watts	°K	Avg Life	FC(lux)5'	FC(lux)10'
LC-44 – Maximum 300w						
JCV14.5-50WC	12/14	50	3200	100 hr	7 (78)	2 (21)
GCC	12	100	3200	100 hr	10 (103)	3 (28)
GCB	30	200	3200	100 hr	26 (280)	7 (74)
FSH	120	125	3200	100 hr	15 (162)	4 (44)
FVM	120	105	3200	250 hr	16 (170)	5 (48)
FVL	120	200	3200	200 hr	30 (320)	9 (92)
GCA	120	250	3200	100 hr	39 (420)	11 (120)
CP/96*	120	300	3400	75 hr	50 (540)	14 (147)
GLF/P44	230	235	3200	100 hr	32 (345)	9 (94)
CP/97*	230	300	3200	75 hr	46 (495)	12 (132)
LC-55 – Maximum 500w						
EHC	120	500	3200	300 hr	88 (950)	23 (248)
EHD	120	500	3000	2000 hr	67 (724)	18 (194)
JCV 220V-500WBM	220	500	3000	2000 hr	68 (730)	18 (196)
JCV 240V-500WBM	240	500	3000	2000 hr	63 (680)	17 (185)
LC-66 – Maximum 750w (May also use lamps for LC-55)						
EHF	120	750	3200	300 hr	99 (1069)	29 (313)
EHG	120	750	3000	2000 hr	80 (864)	22 (238)
FKR/230	230	650	3200	300 hr	82 (886)	23 (248)
LC-88 – Maximum 1000w (May also use lamps for LC-66)						
FEL	120	1000	3200	300 hr	183 (1976)	53 (572)
FEP/220	220	1000	3200	150 hr	156 (1685)	46 (497)
FEP/240	240	1000	3200	150 hr	148 (1598)	40 (432)

*Different lamp base, Rifa-44 socket accepts this base.

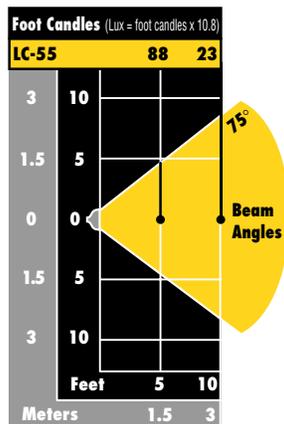
Performance

Beam angles—points at which intensity drops to 50% of maximum

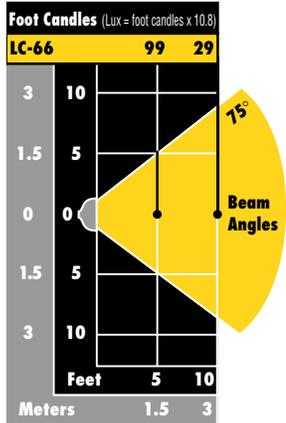
LC-44 with 120v, 250w, 3200°K, GCA lamp



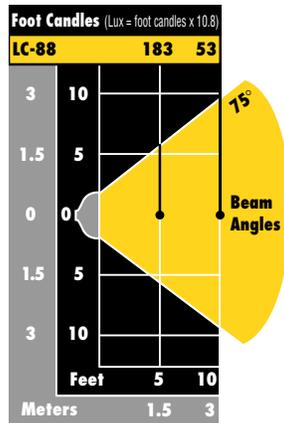
LC-55 with 120v, 500w, 3200°K, EHC lamp



LC-66 with 120v, 750w, 3200°K, EHF lamp



LC-88 with 120v, 1000w, 3200°K, FEL lamp



Light &

Rifa-lite 44



Code: LC-44

Size: 16 x 16" (40 x 40 cm), 21" (53 cm) collapsed

Weight with 4' captive cable:

2.1 lbs (1 kg)

With 4' captive cable, 16' switched #18/3 extending power cord (T1-80), light diffuser (LC-44D) and carrying sleeve. Less Lamp.

Rifa-lite 55



Code: LC-55

Size: 21 x 21" (53 x 53 cm), 24" (61 cm) collapsed

Weight with 4' captive cable:

2.5 lbs (1.1 kg)

With 4' captive cable, 16' switched #18/3 extending power cord (T1-80), light diffuser (LC-55D) and carrying sleeve. Less lamp.

Rifa-lite 66



Code: LC-66

Size: 25 x 25" (63.5 x 63.5 cm), 30" (76 cm) collapsed

Weight with 4' captive cable:

3.5 lbs (1.6 kg)

With 4' captive cable, 16' switched #18/3 extending power cord (T1-80), diffuser panel (LC-66D) and carrying sleeve. Less lamp.

Rifa-lite 88



Code: LC-88

Size: 32 x 32" (81 x 81 cm), 34" (86 cm) collapsed

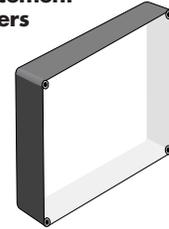
Weight with 4' captive cable:

4.5 lbs (2 kg)

With 4' captive cable, 16' switched #18/3 extending power cord (T1-80), light diffuser (LC-88D) and carrying sleeve. Less lamp.

Light Controls

Replacement Diffusers



Standard light diffuser replacements for all 3 models of Rifa-lite. Diffuser must always be used to protect against lamp explosion.

For LC-44

Code: LC-44D

Size: 16 x 16" (40 x 40 cm)

Weight: 6 oz (190 g)

For LC-55

Code: LC-55D

Size: 21 x 21" (53.3 x 53.3 cm)

Weight: 8 oz (227 g)

For LC-66

Code: LC-66D

Size: 25 x 25" (66 x 66 cm)

Weight: 10 oz (280 g)

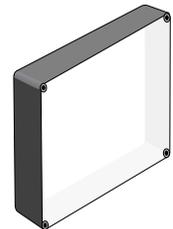
For LC-88

Code: LC-88D

Size: 32 x 32" (81.3 x 81.3 cm)

Weight: 12 oz (380 g)

Optional Diffusers



Optional accessory diffusers with more translucent front screens for increased output (approx. 20%) as well as sharper shadows.

Lite Diffuser for LC-44

Code: LC-44LD

Size: 16 x 16" (40 x 40 cm)

Weight: 6 oz (190 g)

Lite Diffuser for LC-55

Code: LC-55LD

Size: 21 x 21" (53.3 x 53.3 cm)

Weight: 8 oz (227 g)

Lite Diffuser for LC-66

Code: LC-66LD

Size: 25 x 25" (66 x 66 cm)

Weight: 10 oz (280 g)

Lite Diffuser for LC-88

Code: LC-88LD

Size: 32 x 32" (81.3 x 81.3 cm)

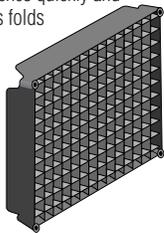
Weight: 12 oz (380 g)



Light Controls

Fabric Egg Crates

For better light control. Each Egg Crate attaches quickly and afterwards folds up to be stored in its own small light-weight bag.



30° x 30° Egg Crate

Fabric Egg Crate with 30° dispersion angle.

30° Egg Crate for LC-44

Code: LC-44EC/30
Weight: 8 oz (228 g)

30° Egg Crate for LC-55

Code: LC-55EC/30
Weight: 9.5 oz (266 g)

30° Egg Crate for LC-66

Code: LC-66EC/30
Weight: 12.5 oz (345 g)

30° Egg Crate for LC-88

Code: LC-88EC/30
Weight: 1 lb (448 g)

40° x 40° Egg Crate

Fabric Egg Crate with 40° dispersion angle.

40° Egg Crate for LC-44

Code: LC-44EC/40
Weight: 7 oz (196 g)

40° Egg Crate for LC-55

Code: LC-55EC/40
Weight: 7.5 oz (210 g)

40° Egg Crate for LC-66

Code: LC-66EC/40
Weight: 9.5 oz (266 g)

40° Egg Crate for LC-88

Code: LC-88EC/40
Weight: 12 oz (336 g)

50° x 50° Egg Crate

Fabric Egg Crate with 50° dispersion angle.

50° Egg Crate for LC-44

Code: LC-44EC/50
Weight: 9 oz (250 g)

50° Egg Crate for LC-55

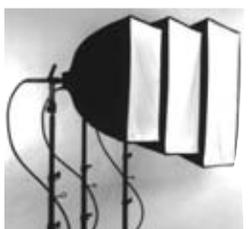
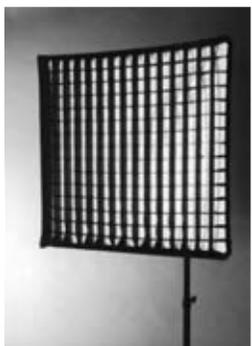
Code: LC-55EC/50
Weight: 10 oz (280 g)

50° Egg Crate for LC-66

Code: LC-66EC/50
Weight: 12 oz (336 g)

50° Egg Crate for LC-88

Code: LC-88EC/50
Weight: 14 oz (392 g)



Rifa Daylight Gel Sets

For correcting Rifas to mix with varying strengths of daylight, they attach to Rifa's velcro pockets with clothespins. Each set contains 3 sheets: Day Blue; 1/2 Blue; & 1/4 Blue (1 sheet each).

For LC-44

Code: LC-47
Size: 23 x 16" (58.4 x 40.6 cm)

For LC-55

Code: LC-57
Size: 29 x 22" (73.7 x 56 cm)

For LC-66

Code: LC-67
Size: 33 x 26" (84 x 66 cm)

For LC-88

Code: LC-87
Size: 39 x 32" (99 x 81.3 cm)

Mounts

Uni TO Stand

Code: UN-55

Weight: 2.6 lbs (1.2 kg)

Size: 21.5"

(55.2 cm) folded.

Maximum height:

7" (2.2 m)

Base diameter: 46"

New stand, based on design combination of Uni-stand & Omni-stand. More stable than Uni-stand, more compact than Omni-stand. For Rifa 44.

KS Jr. Stand

Code: DT-33

Size: Maximum height:

7'7" (2.3 m),

Collapsed length: 2.3' (65 cm)

Weight: 3.5 lbs (1.6 kg)

Wide based, sturdy, lightweight stand with 5/8" (1.59 cm) stud and solid bar legs. For Rifa 44, 55, 66.



Mounts

KS Stand



Code: KS

Size: Maximum height: 9' (2.74 m), Collapsed length: 3' (91 cm)

Weight: 4 lbs (1.8 kg)

Wide based, sturdier, lightweight stand with 5/8" (1.59 cm) stud. For all 4 Rifas.

KSA Stand

Code: KSA

Black-anodized, air-cushioned stand. Otherwise same as above.

Balance Bar



Code: LC-30

Size: 12.5" (31.8 cm)

Weight: 6.5 oz (184 g)

The Rifa Balance Bar is an extension arm accessory that mounts between the Rifa-lite and its stand fitting. When installed, it effectively changes the Rifa's center of gravity to facilitate angling and tilting of the light when necessary, such as on a boom arm, without the need to overtighten the stand fitting knob.

Tota-clamp

Code: T1-30

Weight: 4 oz (113 g)

Clamps onto pipes, shelves, etc. up to 1 7/8" (4.78 cm) thick. 5/8" (1.59 cm) stud locks in two positions and accepts a light. Also accepts two Flexi-shafts with flags or flectors.

Safety Cable (3)

Code: CM-50

Weight: 2 oz (57 g)

Recommended for extra security when attaching Rifa-lites overhead. (Set of 3).

Cable Clips (10)

Reusable quick release cable fasteners.

Code: K4CC (Pkg of 10)

Code: KCC (Pkg of 40)

For more mounts:

see Mounts section.

Cables

16' Switched AC Cable



Code: T1-80

Weight: 13 oz (369 g)

Standard #18/3; with switch.

10' Unswitched Cable



Code: T1-808

Weight: 1.1 lbs (.5 kg)

For portable stage lighting use. "Hard service" #18/3 cable.

16' (5 m) Eurocord

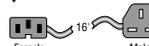


Code: T1-801

Weight: 13 oz (369 g)

#18/3 (.75 mm/3) with double pole switch and male CEE-7 plug.

16' (5 m) T/O UK Cord



Code: T1-802

Weight: 13 oz (369 g)

#18/3 (.75 mm/3) with double pole switch and male fused BS 1363A plug.

5' Omni 30v Cable



Code: O1-81

Adapts Rifa-44 for use with 30 volt battery #18/3; with switch and 2 pin "Amphenol Type" connector for batteries.

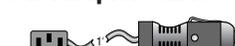
4-pin XLR Switched Cable



Code: R2-82

Adapts the Rifa-44 or use with appropriate 12 volt batteries. No wiring required.

1' 12v Switched Cigarette Lighter/Car Adaptor Cable



Code: R2-85

Adapts Rifa 44 IEC Connector for use with some 12 volt batteries and automobile cigarette lighter sockets. No wiring required.

12v Car Adaptor



Code: O1-82

Connects T1-80 Cable to cigarette lighter connector. For Rifa 44 only.

Folding Fluorescent —120v

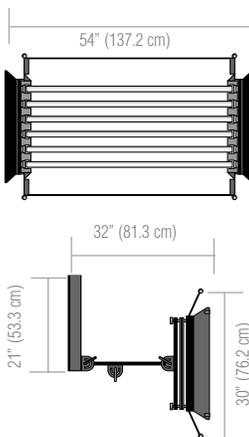
On location or in the studio, if you need a large soft source in daylight or tungsten color, the fold-up fluorescent Light Array delivers. Use high CRI lamps for film or digital, or swap to standard tubes to match conventionally lit fluorescent locations. Mount it on our KSA Stand with accessory wheels for easily positioned high-res digital studio shooting.

8 square foot, soft-shadow, 3 amp, cool, fluorescent fixture.

Uses six 120 volt 4-foot, 2-pin, T-12 tubes. High CRI (Color Rendering Index) lamps available (tungsten & daylight) for Film, Video, Digital (see chart below). Or use conventional lamps to match for location lighting.

Flicker-free electronic ballast pivots to provide adjustable counter balance for head which tilts, pans, rotates and booms.

Accessory extension cable allows head to be used remote from ballast.



For travel, unit folds to fit in one case with its air-cushioned stand, boom and ballast, less tubes.

Technical Data

Size closed: (Head)
31" x 5" x 8.5"
(78.7 x 12.7 x 21.6 cm)
Weight:
Head: 7.5 lbs (3.40 kg)
Ballast, Cable, Boom:
10.5 lbs (4.76 kg)

Lamp voltage: 120v AC/60Hz
Amperage: 3 amps
Electronic Ballast:
flicker-free (25KHz)
Switch: in-line, 3 or 6 tubes
U.S. Patent: 4782428

Lamps

LowelCode	Wattage	Size	CRI	Avg Life**	°K
A1-32	40w	48"	95	8000 hr	3200 (Tungsten)
A1-32CG*	40w	48"	95	8000 hr	3200 (Tungsten)
A1-55	40w	48"	95	8000 hr	5500 (Daylight)
A1-55CG*	40w	48"	95	8000 hr	5500 (Daylight)

GE Color Corrected Cinema 32 & 55 lamps.

*with covRguard shatter resistant coating. **Mfr. rated. See price list for other lamps.

Light &

Complete Lowel Light-Array



Code: A1-10
Weight: 18 lbs (8.17 kg)
Includes Head with Reflector & Barndoors, Ballast and Boom. Does not include stand or tubes.

Light-Array Head



Code: A1-11
Weight: 7.5 lbs (3.4 kg)
Head with Reflector and Barndoors.

Light-Array Ballast



Code: A1-12
Weight: 9.25 lbs (4.2 kg)
Flicker-free electronic Ballast with cables serve as an adjustable counter-balance on the Boom; can also be clamped on a stand or pipe.

Light-Array Boom



Code: A1-13
Weight: 1.25 lbs (570 g)
Light-Array Head pans and tilts up when mounted directly on a stand. The Boom enables it to tilt down and reach out over a subject.

Replacement Reflector



Code: A1-30
Weight: 12 oz (340 g)
Washable, white fabric reflector shell stays on the head when folded; attaches with Velcro fasteners for easy removal. Supplied with Light-Array Head.

Ballast Extension Cables (2)



Code: A1-33
Weight: 1.3 lbs (580 g)
Set of two 8' (2.43 m), 9-wire cables, allow Ballast box to be positioned further away from the Head when required.

Light Control

Frost Gel

Code: A1-72
Weight: 4 oz (113 g)
Tough frost gel, 24" x 54" (61 x 137.2 cm) diffuses the light and "hides" individual tubes—advisable when the light is reflected in subject's eyes, chrome surfaces, etc.

Mounts

KSA Stand



Code: KSA
Weight: 4 lbs (1.8 kg)
Black-anodized air-cushioned KSA Stand is ideal for use with the Light-Array. Supplied with Full Array Kit.

Lowel Casters (3)



Code: LC
Weight: 2.5 lbs (1.13 kg)
Locking casters enable the stand to be wheeled into place. Recommended. (Set of 3).

Safety Cable (3)



Code: CM-50
Weight: 2 oz (57 g)
A Safety Cable should always be used for extra security when attaching the Lowel Light-Array overhead to pipes, grids, etc. (Set of 3).

Performance

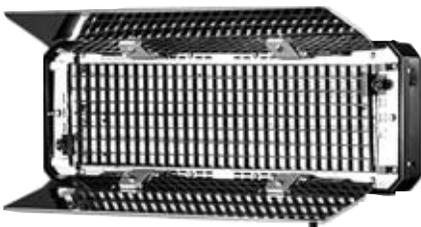
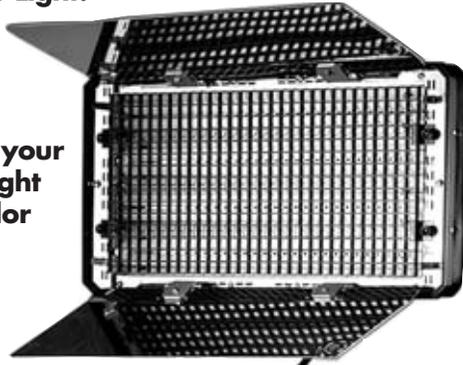
Readings taken with standard Cool-white non color-corrected lamps.

Tubes Horizontal 85°H x 93°V	
Foot Candles (Lux = foot candles x 10.8)	
135	40
10.5'	21.1'
9.2'	18.3'
	27.5'
31.6'	
Feet	5
Meters	1.5

Compact, Self-contained Location Fluorescents 120/230v, 55w lamps

The Case IS the Light!

For the pro on the go, the all-in-one Caselites offer your choice of daylight or tungsten color in a compact, easy to carry fluorescent package.



The current popularity of fluorescent lights

in film & video production is well deserved. They offer cool, soft and efficient light at several times the output of incandescent halogen sources. Unfortunately, they can also be too cumbersome and fragile to use on location, often requiring several cases to carry lights and accessories. The Caselites solve that problem by being compact, lightweight, rugged and completely self-contained without sacrificing output or light quality. The all-in-one Caselite is both light & case combined. Pop the lid and there's room inside for stand-fitting tilt-bracket & plate, plus power cord, stand, or spare bulbs.

2 Efficient models:

2 x 55w & 4 x 55w tube fixtures.

120/230v operation

Case lid: holds spare lamps or stand, plus egg crate, mounting plate, stand tilt-bracket, power cord.

Internal ballast means quicker setup time.

Efficient reflector & ballast design

allows maximum light output.

Daylight or Tungsten:

uses 5300°K or 3000°K compact fluorescent lamps.

Individual lamp switches:

to control output intensity without dimming.

Supplied light controls include: quick release egg crate grid,

mounted gel clips, dual purpose barndoor/intensifiers.

Rugged lightweight

stackable case made of heavy duty ABS plastic.

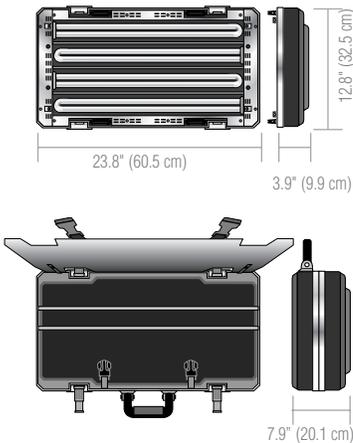
Updated tilt-bracket

for easy stand mounting & versatile lamp positioning.

Ideal for TV news crews

& documentary video production.

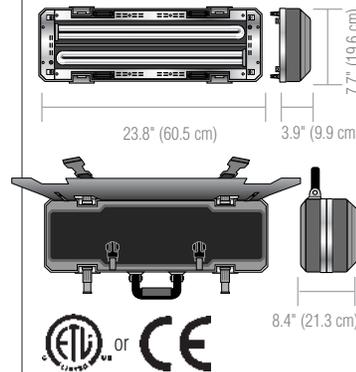
Caselite4 Technical Data



Weight:
Fixture with lamps: 7.9 lbs (3.6 kg)
Fixture with lamps, Egg Crate, Intensifiers, Plate & Stand-Fitting Bracket, AC Cable: 14.2 lbs (6.4 kg)
Fixture with above, plus lid: 21 lbs (9.5 kg)
Amperage: 2.6 at 120v, 1.4 at 230v
Fits on: 5/8" (1.59 cm) stud
Materials: High impact ABS and aluminum
Cable: removable 16' (4.88m) #18/3 with switch
Switch: 1 in-line and 3 recessed lamp switches on back
U.S. Patents: 6164801; D428,254; 6,554,459,B72



Caselite2 Technical Data



Weight:
Fixture alone: 5.3 lbs (2.4 kg)
Fixture with lamps, Egg Crate, Intensifiers, Plate & Stand-Fitting Bracket, AC Cable: 10 lbs (4.5 kg)
Fixture with above, plus lid: 14 lbs (6.4 kg)
Amperage: 1.3 at 120v, .7 at 230v
Fits on: 5/8" (1.59 cm) stud
Materials: High impact ABS and aluminum
Cable: removable 16' (4.88 m) #18/3 with switch
Switch: 1 in-line and 1 recessed lamp switch on back
U.S. Patents: 6164801; D428,254; 6,554,459,B72

Lamps

Lowel Code	Osram Code	Watts	°K	CRI	Average Life
CF-55TU	DuluxL55w/32-930	55	3000 Tungsten	90+	8000 hr*
CF-55DA	DuluxL55w/12-950	55	5300 Daylight	90+	8000 hr*

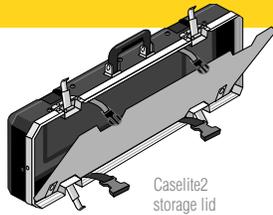
*lamp manufacturers rated life
 May require "minus green" filtration gel (1/4 or 1/2), when used with film emulsions.

Caselite2

Code: CF-20
Weight: 13.3 lbs (6 kg)
Size: 23.8 x 7.7 x 8.4"
 (60.5 x 19.6 x 21.3 cm)

Code: CF-20CE
 CE approved Euro model.

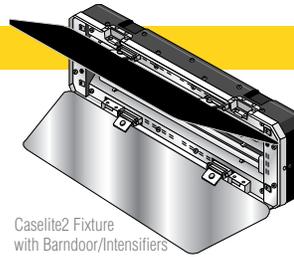
Less lamps.



Caselite2 storage lid



Caselite2 Snap-on Egg Crate



Caselite2 Fixture with Barndoor/Intensifiers

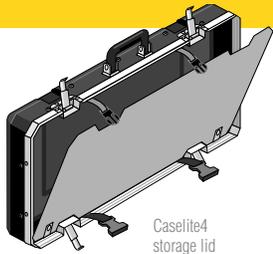


Caselite4

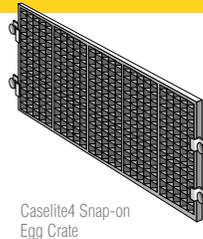
Code: CF-40
Weight: 19.6 lbs (8.9 kg)
Size: 23.8 x 12.8 x 7.9"
 (60.5 x 32.5 x 20.1 cm)

Code: CF-40CE
 CE approved Euro model.

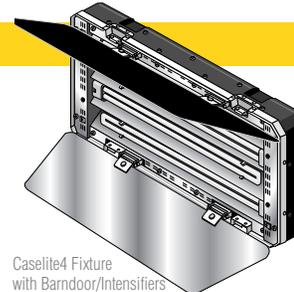
Less lamps.



Caselite4 storage lid



Caselite4 Snap-on Egg Crate



Caselite4 Fixture with Barndoor/Intensifiers

Caselite2 & Caselite4 Supplied Components

Caselite storage lid

Storage space for all the listed components plus Uni Sr. Stand and/or lamps.

Snap-on Egg Crate

Further controls light spill with loss of output.

CF-22	Caselite2
CF-42	Caselite4

2 Barndoor/Intensifiers

Dual purpose reversible Barndoor/Intensifiers can be used with black barndoor side facing in to cut spill or reflective intensifier side facing in to increase output. (approx. 50%)

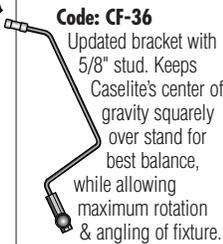
CF-21	Caselite2
CF-41	Caselite4

Mounting Plate



Code: CF-35
 Updated Mounting Plate attaches to back of fixture, allowing use of Stand-fitting Tilt-bracket or standard 5/8" stud. Allows fixture to rotate 360°.

Stand-fitting Tilt-bracket



Code: CF-36
 Updated bracket with 5/8" stud. Keeps Caselite's center of gravity squarely over stand for best balance, while allowing maximum rotation & angling of fixture.

Gel-jawz (8)



Code: CL-15
 Package of eight clips. Attach to barndoor leaves to hold gels.

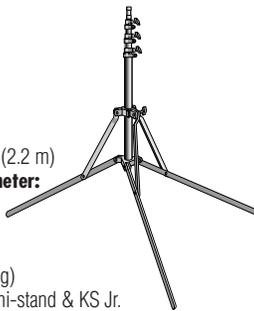
16' Power Cable



Code: T1-80
 (or applicable CE cable)
 #18/3 switched AC.

Mount

Uni Sr. Stand



Code: UN-66
Maximum height: 7' (2.2 m)
Maximum base diameter: 46" (1.2 m)
Collapsed length: 25" (57.2 cm)
Weight: 3.3 lbs (1.5 kg)
 Based on design of Uni-stand & KS Jr. stand. Collapses smaller than KS Jr., fits into lid of either Caselite (in Caselite2, in place of spare lamp tubes).

Optional

10' Unswitched Cable

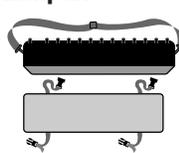


Code: T1-808
Weight: 1.1 lbs (.5 kg)
 For portable stage lighting use. "Hard service" #18/3 cable.

CE approved AC Cables (switched)

T1-801	Eurocord
T1-802	UK Cord

Caselite Lampak



Code: CL-85
 High impact molded polyethylene case with foam inserts to hold 6 T-55 lamps. With padded shoulder strap.

Caselite Rain Cover

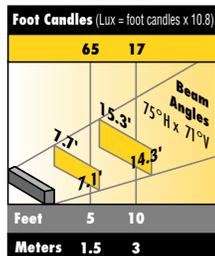


Fold-up yellow rain cover with zippered lid. Made of flexible plastic to minimize dampness when transporting unit (not suitable for protection when shipping).

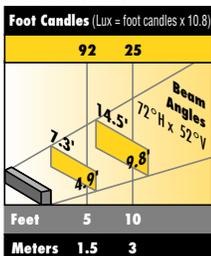
CF-24	Caselite2
CF-44	Caselite4

Caselite2 Performance

WITHOUT INTENSIFIERS



WITH INTENSIFIERS *



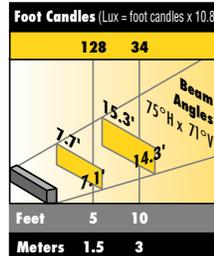
*Intensifiers set at approx. 40°

All readings taken at the center of the beam, with daylight lamps, using Minolta T1 meter.

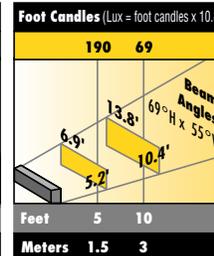
Beam angles-points at which intensity drops to 50% of maximum

Caselite4 Performance

WITHOUT INTENSIFIERS



WITH INTENSIFIERS *



Multi-Tasking Fluorescent



LowelScandles is the first multi-tasking fluorescent fixture designed for quick & easy choice of light size, intensity & quality, by quick change of accessories. Its unique cluster arrangement of lamps make a whole new set of options possible for adding accessories to shape and direct the output.

Updated by Lowel from an original design by noted photographer/inventor Gary Regester, LowelScandles has many innovative features. Ideal for shooting high-res digital portraits or video talking heads.



For convenient use with a chimera-style softbox, a rotating Universal Speed Ring is permanently installed on fixture.

The Speed Ring accepts the following softbox attachments: Plume®, Chimera®, Westcott®, Photoflex®.

Features

200 Watt daylight or tungsten balanced light output from 8 lamps, switched in pairs for easy variable output.

Uses either eight 24 Watt (12" length) or eight 18 Watt (8" length) compact fluorescent lamps (mfg. avg. life: 8,000 hrs).

90+CRI lamps available in 5500°K and 3000°K.

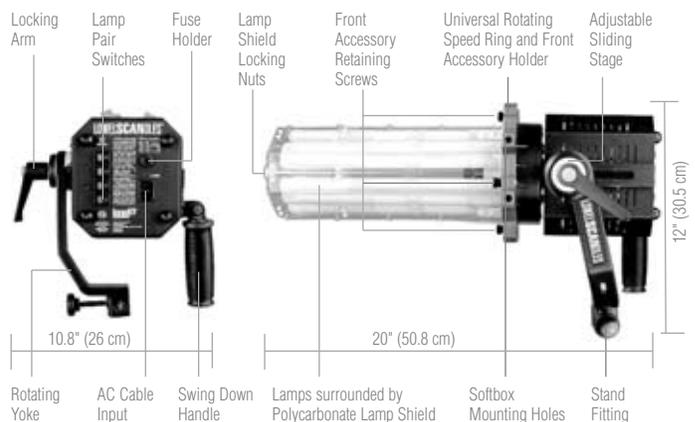
High efficiency output: 50 lumen/Watt.

Auto-setting dual-voltage input (120/230 VAC, 50/60Hz), flicker-free high efficiency internal ballast (39KHz).

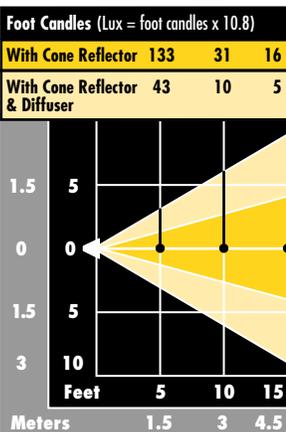
Installed universal Rotating Softbox Speed Ring.

Quick attachment accessories:

- Collapsible Front Intensifier with Softbox Diffuser (supplied).
- Special purpose Aluminum Cone Reflector for studio application.



Performance



Lamp: Osram Dulux L 24w/12 Daylight
Color Temperature:
5050 – With Collapsible Cone Reflector
4900 – With Collapsible Cone Reflector & Front Diffuser

Beam Angles:

- points at which intensity drops to 50% of maximum
- readings taken at center of beam

Technical Data

Size: 20 x 10.8 x 12" (50.8 x 26 x 30.5 cm)
Weight without AC cable: 8.5 lbs
Max. wattage: 200
Max. amperage: 2.5A
Beam control: variable with front accessories

Fits on: 5/8" stand studs
Materials: Primarily aluminum alloy
Cable: 16' #18/3 wire, switched
Switches: 4 on fixture (each controls 1 pair of lamps)



Lamp Data

Code	Wattage	Size	CRI	Description	Avg Life	°K
LSF-24DA	24w	12"	90+	Dulux L 24w/12*	8000 hr	5300 (Daylight)
LSF-24TU	24w	12"	90+	Dulux L 24w/32*	8000 hr	3000 (Tungsten)
LSF-18DA	18w	8"	90+	Dulux L 18w/12*	8000 hr	5300 (Daylight)
LSF-18TU	18w	8"	90+	Dulux L 18w/32*	8000 hr	3000 (Tungsten)

*Osram Dulux® Lamps (mfr. rated lamp life – 8,000 hrs.). When working with film emulsions, may require "minus green" filtration gel (1/4 or 1/2).

Light &

LowelScandles Light & Cone



Daylight
Code: LSF-05DA

Tungsten
Code: LSF-05TU

Size: 20 x 11 x 8" (50.8 x 26 x 30.5 cm)
Weight: 11 lbs (5.5 kg)
Fixture with installed Universal Softbox Speed Ring, Collapsible Cone Intensifier & Front Diffuser, Polycarbonate Lamp Shield, 16" AC cable with switch, 8 fluorescent lamps (12", 24w, 5300°K daylight or 24w 3000°K tungsten corrected).

LowelScandles



Same as above, but without Collapsible Cone Intensifier & Front Diffuser

Daylight
Code: LSF-10DA

Tungsten
Code: LSF-10TU

LowelScandles Light (Body only)

Code: LSF-13

Fixture with installed Universal Speed Ring, plus 16" AC cable with switch.



Clear Polycarbonate Lamp Shield



Shield 12"
Code: LSF-212

Shield 8"
Code: LSF-208

Weight: .5 lbs (224 g) approx.
Shield surrounds lamps to provide shock absorption. 2 models for 12" or 8" compact fluorescent lamps.

Light Controls

Collapsible Cone Intensifier with Front Diffuser



Code: LSF-15
Size: 14" L x 19" diameter (35.5 x 48.25 cm)
Flexible snap on reflector, and removable diffuser quickly breaks down to store in light case.

Aluminum Cone Reflector

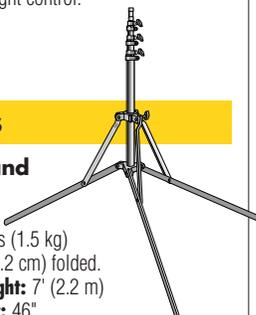


Code: LSF-17
Size: 12.5" L x 14" diameter (32 x 35 cm)
Weight: 1.4 lbs (1.27 kg)
Non-collapsible cone reflector, accepts Lowel Fin-S, clip-on adjustable barndoor for increased light control.

Mounts

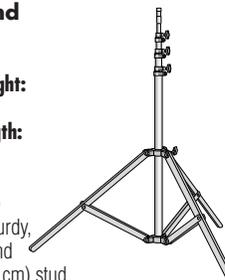
Uni Sr. Stand

Code: UN-66
Weight: 3.3 lbs (1.5 kg)
Size: 22.5" (57.2 cm) folded.
Maximum height: 7' (2.2 m)
Base diameter: 46"
Based on design of Uni-stand & KS Jr. stand. Collapses smaller than KS Jr. Collar clamping.



KS Jr. Stand

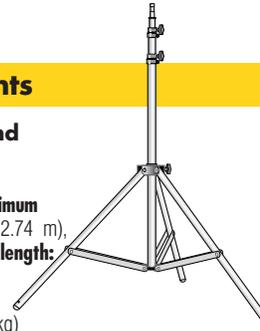
Code: DT-33
Maximum height: 7'7" (2.3 m),
Collapsed length: 2'4" (65 cm)
Weight: 3.5 lbs (1.6 kg)
Wide based, sturdy, lightweight stand with 5/8" (1.59 cm) stud, 3 sections and solid bar legs.



Mounts

KS Stand

Code: KS
Size: **Maximum height:** 9' (2.74 m),
Collapsed length: 3' (91 cm)
Weight: 4 lbs (1.8 kg)
Wide based, sturdier, lightweight stand with 5/8" (1.59 cm) stud, 2 sections and tubular legs.



KSA Stand

Code: KSA
Same as above but black-anodized, air-cushioned stand.

Tota-clamp

Code: T1-30
Weight: 4 oz (113g)
Clamps onto pipes, shelves, etc. up to 1 7/8" (4.78 cm) thick. 5/8" (1.59 cm) stud locks in two positions and accepts a light. Also accepts two Flexi-shafts with flags or flectors.



Safety Cable (3)

Code: CM-50
Weight: 2 oz (57 g)
Size: 34" (86.4 cm)
Braided stainless-steel cable adds security to lights and accessories that are attached to overhead pipes, beams, dropped-ceiling grids, etc. (Set of 3).

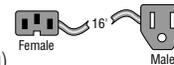


For other Clamps, Booms, etc, see Mounts section.

Cables

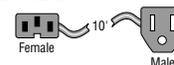
16' Switched AC Cable

Code: T1-80
Weight: 13 oz (369 g)
Standard #18/3; with switch.



10' Unswitched Cable

Code: T1-808
Weight: 1.1 lbs (.5 kg)
For portable stage lighting use. "Hard service" #18/3 cable.



5 Models; 2-8 55w fluorescent lamps; 120 & 220/240v



Studio Fluorescents for Video Production, Video Conferencing, Digital Imaging & Film

The world leader in location lighting is now also number one in studio fluorescent control.

Whether you are producing a 24-hour newscast, a high resolution digital photo shoot, or a corporate video conference, the bright soft output & efficient operation of Lowel Fluo-Tec studio fluorescents make beautiful images easier to create.

Is your shooting area a large full blown production facility with DMX controlled console, or a compact table-top web-casting set with 4 outlets in the wall? For either of these, and anything in between, Lowel Fluo-Tec helps you tailor your lighting system to perfectly suit the illumination requirements of your shooting area.



Video-conferencing image provided by TANDBERG, a Global Leader in Videoconferencing Solutions.

System overview

5 dimmable and 5 non-dimmable models, housing from 2-8 55w lamps.

Soft, flattering fluorescent in your choice of lamp color temperature, Tungsten or Daylight, with high CRI (Color Rendering Index).

Tungsten lamps mix easily with focusable tungsten halogen sources, such as Lowel Fren-L 650, for increased creative control of light quality.

All models have a high frequency internal ballast for flicker-free operation.

Wide range of available accessories, including mirror-finish intensifiers, honeycomb grids, egg crates & barndoors.

Dimmable Models

Patented, award winning, state of the art electronics with integrated DMX-512 circuitry, allowing full control from any DMX console, of up to 512 fixtures.

Membrane-style digital control panel on the back of the fixture allows manual dimming & manual storage of 4 dimmer settings (retained in fixture, even when powered down).

LED display shows DMX address, dimming level & lamp life.

Remote Port

will accept the Lowel IR-DMX External Sensor to use IR-DMX Controller, a remote control accessory system which allows multi-unit remote dimming without the need of a console, for up to 512 fixtures.



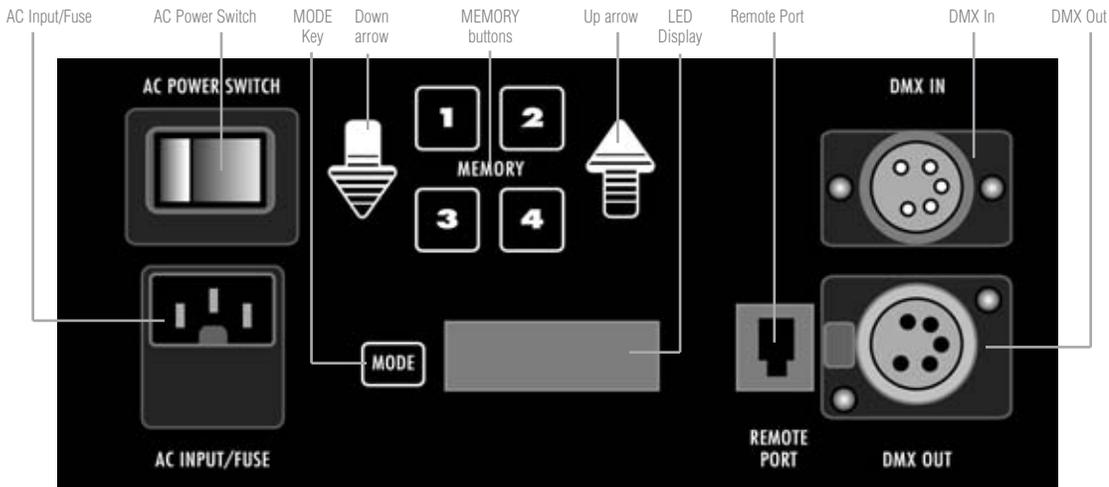
Non-Dimmable Models

Great for soft illumination where only basic control of the output is needed. Most also have multiple lamp switches on the unit to vary the output on a limited basis by switching pairs of lamps on or off.

Planning a studio?

For assistance in specifying equipment for a fluorescent studio/video conference room, contact us at 800 334 3426 (NYC) or via e-mail at info@lowel.com.

Dimmable Model Rear Control Panel



Hand-held IR DMX Dimming Control

IR DMX Controller

Revolutionary hand-held infrared (IR) remote control system allows Multi-unit DMX dimming control without lighting console.

Easy to use logically designed controls.

One unit can address & command up to 512 dimmable fixtures (DMX daisy-chained).

Uses 2 AA batteries.

Also works with IR DMX Translator, see Electronic Light Controls section for more information.

IR DMX Controller

Code: FLS-100
Size: 4.5 x 2.6 x 1" (11.5 x 6.6 x 2.5 cm)
Weight: 5 oz (16 g) with batteries

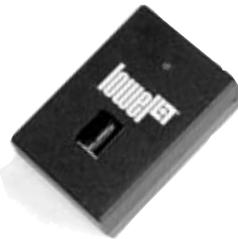
IR DMX External Sensor

Compact state-of-the-art receiving unit quickly plugs into the fixtures Remote Port, and passes remote control commands to DMX chain.

Connected via telephone stylepatch cord, powered by fixture.

IR DMX External Sensor

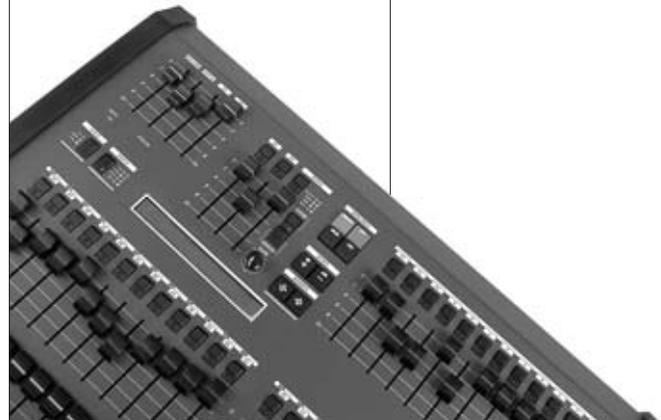
Code: FLS-120
Size: 2.5 x 1.75 x 1" (6.3 x 4.4 x 2.5 cm)
Weight: 4 oz (141 g) without cable



About DMX

For those who are new to using DMX-512, we offer the following brief introductory definition...

DMX-512 is an addressing & communication protocol that allows a centralized controller (like a lighting console) to address and dim from 1-512 dimmers individually. In this case, it allows a DMX-capable lighting console to assign a separate address for up to 512 different dimmable Lowel Fluo-Tec fixtures, and to send dimming commands to them. Those commands can vary according to the abilities of the controller, but can include pre-timed fades, sub-group programming, and pre-designed lighting plots with stored levels.



Studio 850 8 lamp



Dimmable

Code: **FLS-850DM** – 120v model
Code: **FLS-850DM230** – 220/240v model

Non-Dimmable

Code: **FLS-850ND** – 120v model
Code: **FLS-850ND230** – 220/240v model

Size: 27.5 x 26 x 4.5" (69 x 65 x 11 cm)
Dimmable Model Weight: 28.8 lbs (13.1 kg) without accessories

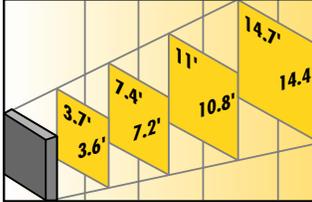
Uses 8 compact 55w lamps (not included).
Supplied with Gel Frame, Safety Cables (3),
Standard Clamp and applicable 10' AC Cable
(120v models with U-ground connector).
Other mounting devices & AC cable
connection options are available.



Performance

Without Intensifier 63°H x 62°V *

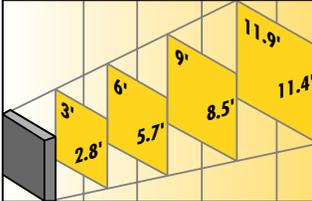
Foot Candles (Lux = foot candles x 10.8)
989 244 109 61



Feet	3	6	9	12
Meters	.9	1.8	2.7	3.7

With Intensifier 52°H x 50°V *

Foot Candles (Lux = foot candles x 10.8)
1805 446 199 111



Feet	3	6	9	12
Meters	.9	1.8	2.7	3.7

*Beam Angles: points at which intensity drops to 50% of maximum.
Foot Candle readings taken at center of beam, with Minolta T-1 meter, using Osram Studioline lamps.

Studio 650 6 lamp



Dimmable

Code: **FLS-650DM** – 120v model
Code: **FLS-650DM230** – 220/240v model

Non-Dimmable

Code: **FLS-650ND** – 120v model
Code: **FLS-650ND230** – 220/240v model

Size: 27.5 x 21 x 4.5" (69 x 52 x 11 cm)
Dimmable Model Weight: 23.1 lbs (10.5 kg) without accessories

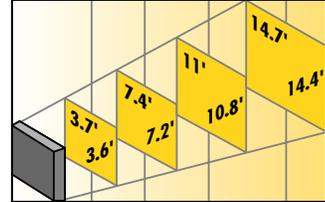
Uses 6 compact 55w lamps (not included).
Supplied with Gel Frame, Safety Cables (3),
Standard Clamp and applicable 10' AC Cable
(120v models with U-ground connector). Other mounting devices &
AC cable connection options are available.



Performance

Without Intensifier 63°H x 62°V *

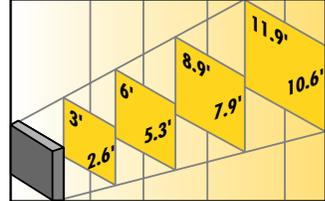
Foot Candles (Lux = foot candles x 10.8)
801 198 88 50



Feet	3	6	9	12
Meters	.9	1.8	2.7	3.7

With Intensifier 52°H x 48°V *

Foot Candles (Lux = foot candles x 10.8)
1329 329 147 82



Feet	3	6	9	12
Meters	.9	1.8	2.7	3.7

*Beam Angles: points at which intensity drops to 50% of maximum.
Foot Candle readings taken at center of beam, with Minolta T-1 meter, using Osram Studioline lamps.

Studio 450 4 lamp



Dimmable

Code: **FLS-450DM** – 120v model
Code: **FLS-450DM230** – 220/240v model

Non-Dimmable

Code: **FLS-450ND** – 120v model
Code: **FLS-450ND230** – 220/240v model

Size: 27.5 x 15.75 x 4.5" (69 x 39 x 11 cm)
Dimmable Model Weight: 18 lbs (8.2 kg) without accessories

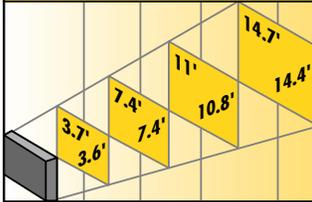
Uses 4 compact 55w lamps (not included).
Supplied with Gel Frame, Safety Cables (3),
Standard Clamp and applicable 10' AC Cable
(120v models with U-ground connector). Other mounting devices &
AC cable connection options are available.



Performance

Without Intensifier 63°H x 62°V *

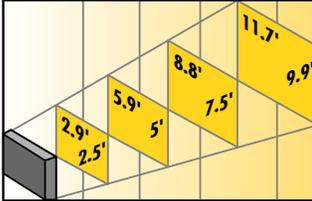
Foot Candles (Lux = foot candles x 10.8)
569 141 63 35



Feet	3	6	9	12
Meters	.9	1.8	2.7	3.7

With Intensifier 52°H x 45°V *

Foot Candles (Lux = foot candles x 10.8)
962 238 106 60



Feet	3	6	9	12
Meters	.9	1.8	2.7	3.7

*Beam Angles: points at which intensity drops to 50% of maximum.
Foot Candle readings taken at center of beam, with Minolta T-1 meter, using Osram Studioline lamps.

Studio 250 2 lamp



Dimmable

Code: **FLS-250DM** – 120v model
Code: **FLS-250DM230** – 220/240v model

Non-Dimmable

Code: **FLS-250ND** – 120v model
Code: **FLS-250ND230** – 220/240v model

Size: 27.5 x 10.6 x 4.5" (69 x 26.5 x 11 cm)
Dimmable Model Weight: 13.6 lbs (6.2 kg) without accessories

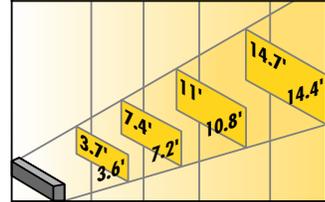
Uses 2 compact 55w lamps (not included).
Supplied with Gel Frame, Safety Cables (3),
Standard Clamp and applicable 10' AC Cable
(120v models with U-ground connector). Other mounting devices &
AC cable connection options are available.



Performance

Without Intensifier 63°H x 62°V *

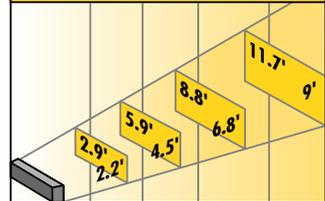
Foot Candles (Lux = foot candles x 10.8)
273 68 30 17



Feet	3	6	9	12
Meters	.9	1.8	2.7	3.7

With Intensifier 52°H x 41°V *

Foot Candles (Lux = foot candles x 10.8)
573 142 63 36



Feet	3	6	9	12
Meters	.9	1.8	2.7	3.7

*Beam Angles: points at which intensity drops to 50% of maximum.
Foot Candle readings taken at center of beam, with Minolta T-1 meter, using Osram Studioline lamps.

Studio 250cy

4 lamp



Dimmable

Code: **FLS-250CYDM** – 120v model
Code: **FLS-250CYDM230** – 220/240v model

Non-Dimmable

Code: **FLS-250CYND** – 120v model
Code: **FLS-250CYND230** – 220/240v model

Size: 52 x 10.6 x 4.5" (130 x 26.5 x 11 cm)
Dimmable Model Weight: 21.4 lbs (9.7 kg) without accessories

Uses 4 compact 55w lamps (not included). Supplied with Gel Frame, Safety Cables (3), Standard Clamp and applicable 10' AC Cable (120v models with U-ground connector). Other mounting devices & AC cable connection options are available.



Performance

Without Intensifier	82°H x 64°V *			
Foot Candles (Lux = foot candles x 10.8)	882	392	220	141
	2	3	4	5
Feet	2	3	4	5
Meters	.3	.9	1.2	1.5

*Beam Angles: points at which intensity drops to 50% of maximum.

Foot Candle readings taken at center of beam, with Minolta T-1 meter, using Osram Studioline lamps. Note: Readings taken at different distance than other models.



Light Controls

To help control light output, they slide into guides on front of fixture. Some attach to front of Intensifier, if used. See chart for output gain/loss. All accessories available for most models, see price list for codes/availability. All fixtures supplied with Gel Frame.

Intensifier

Mirrored enclosure mounts on front of the fixture, and almost doubles the output.



Barndoors

For trimming spill of the light. 4 adjustable doors. Mounts on front of the fixture.



Honeycomb Grid

For greatest control of spill, with some loss of output. For front of fixture or Intensifier. 3 dispersion strengths, 20°, 30° & 40° angles.



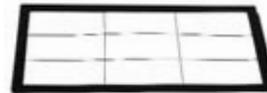
Egg Crate Grid

Trims spill, but with less control & output loss.

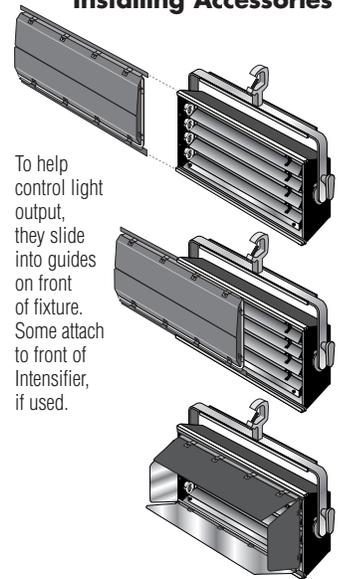


Gel Frame

Supplied with fixture. Hinged metal frame accepts color correction gel or diffusion (for added softness). Slides into front of fixture & allows other accessories to be used.



Installing Accessories



To help control light output, they slide into guides on front of fixture. Some attach to front of Intensifier, if used.

Accessory	Location	Output Loss / Gain (approx)	Studio850 Code	Studio650 Code	Studio450 Code	Studio250 Code	Studio250cy Code
Barndoor	Front of Fixture	N / A	FLS-820	FLS-620	FLS-420	FLS-220	FLS-2520
Intensifier	Front of Fixture	+80%	FLS-822	FLS-622	FLS-422	FLS-222	N / A
Egg Crate	Front of Fixture	-25%	FLS-824	FLS-624	FLS-424	FLS-224	FLS-2524
Honeycomb Grid Black 40°	Front of Fixture	-25%	FLS-834	FLS-634	FLS-434	FLS-234	FLS-2534
Honeycomb Grid Black 30°	Front of Fixture	-35%	FLS-833	FLS-633	FLS-433	FLS-233	FLS-2533
Honeycomb Grid Black 20°	Front of Fixture	-54%	FLS-832	FLS-632	FLS-432	FLS-232	FLS-2532
Honeycomb Grid Black 40°	Front of Intensifier	-30%	FLS-844	FLS-644	FLS-444	FLS-244	N / A
Honeycomb Grid Black 30°	Front of Intensifier	-22%	FLS-843	FLS-643	FLS-443	FLS-243	N / A
Honeycomb Grid Black 20°	Front of Intensifier	-46%	FLS-842	FLS-642	FLS-442	FLS-242	N / A

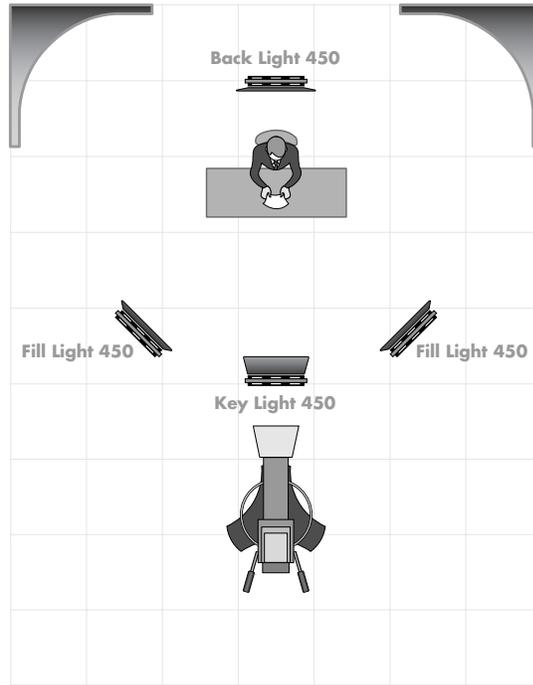
Example Studio Set-ups

The 2 set-ups shown to the right are simple suggestions for a small one or two person news sets.

Both are similar in approach, each set contains a front combination of key & fill lights, and back light.

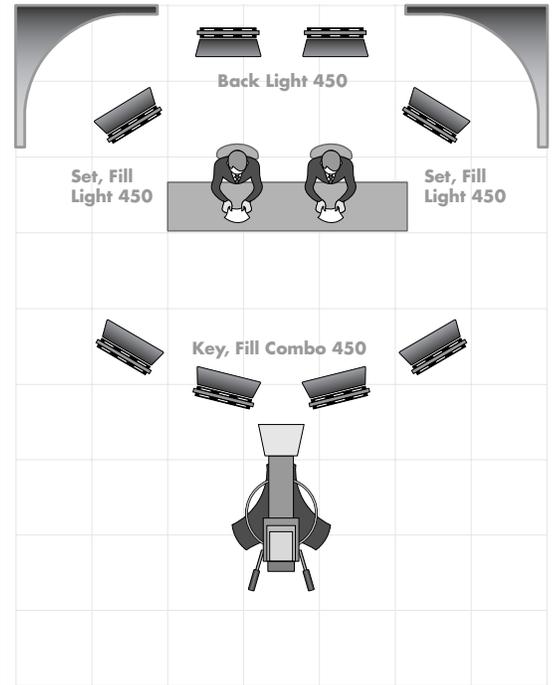
More dramatic effect can be achieved by adding Lowel Fren-L 650s (focusing tungsten fixtures) as hard key or accent lights. **Note: You must use tungsten color temperature fluorescent lamps to avoid color mixing problems.**

Set-up 1



Single person anchor desk has soft key from front and equi-distant fill lights from each side for basic, even illumination. Backlight separates talent from background.

Set-up 2



Two person anchor desk has arc of 4 lights creating soft & even frontal key & fill combination. Back lights separate talent from background. Set fills separately control level of set, without affecting light levels on talent.

DMX Cables

For connecting console to one or more fixtures, daisy-chain style, for remote DMX dimming.

10 Ft. DMX Cable

Code: DMX-010
10 ft. cable with male & female DMX connectors.

25 Ft. DMX Cable

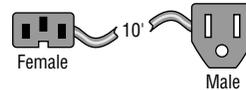
Code: DMX-025
25 ft. cable with male & female DMX connectors.

50 Ft. DMX Cable

Code: DMX-050
50 ft. cable with male & female DMX connectors.

AC Cable Options

Standard 120v AC Cable



Code: T1-808
Supplied with 120v models. 10' unswitched cable with a 3 pin normal (Edison) AC wall plug. **To choose one of the 2 following optional cables instead, add the suffix from its description to the end of the fixture code.**

Twist-lock Connector Cable

Code: T1-TL
10 ft. unswitched cable with 20 Amp 125V twist-lock connector. To order fixture with this cable, add suffix **TL** at end of fixture code.



3 Pin Stage Connector Cable

Code: T1-TP
10 ft. unswitched cable with 20 Amp 3 pin stage connect or. To order fixture with this cable, add suffix **TP** at end of fixture code.



All CE models supplied with 230V Euro Cable, UK Cable also available.

Lowel e-studio cable options: The above AC Cable options are also available for the Lowel e-studio fluorescent system as shown on pp. 34-35. Add the same code suffix to e-studio fixtures when ordering.

Clamp Options

Standard Clamp

Code: FLS-803
Supplied with light. Use when hanging light from pipe or grid. With installed locking washer for more secure operation. Always use with Safety Cables.



To choose one of the 2 following optional mounts instead, add the suffix from its description to the end of the fixture code.

Female 5/8" Stand Fitting

Code: FLS-SF
For use on stand only. Allows mounting the fixture on 5/8" male stand stud. Should only be used with stands large enough to support the weight of the fixture while maintaining good balance at the desired height. **Note:** Should not be used with 250cy. To order fixture with this mount, add suffix **SF** at end of fixture code.



Male Stud

Code: FLS-MS
For use of fixture with Matthews style stands that have a female cup instead of a male stud. To order fixture with this mount, add suffix **MS** at end of fixture code.



Technical Data

Housing material: Aluminum thickness 0.062" formed/welded.
Finish: Black matte & yellow paint.
Mounting options: All units supplied with standard clamp & Safety Cables (3).
 Optional Female Stand-fitting, and Double Male Stud available.
Patent Pending: for dimmable model features.

Dimming Model Features

Dimmer: Digital control from 3% to 100% light output.
Dimming control: Manual or DMX-512/1990 built-in; IR optional.
LED display: 4 digit digital display.
Internal memories: 4 user storable.
Mode functions: DMX addressing, intensity level, lamp life counter (hours).
DMX addressing: switchless, intelligent addressing.



Electrical: 120v Models

Nominal input voltage: 120 VAC 50/60Hz
Ballast: Integral, electronic ballast
Dimmable model ballast operating frequency: 40-60KHz
Dimmable model power factor: >97
Non-Dimmable model ballast operating frequency: 26KHz



Non-Dimmable model power factor: 70
Power cord: All units supplied with 10' AC U-ground plug standard. Optional 3 pin twist lock or 3 pin theatrical plugs available.
Fuse protection: All units IEC with integral user replaceable 5 x 20 mm fuse (see chart for specific model fuse).

Electrical: 220/240v Models

Nominal input voltage: 220/240 VAC 50/60Hz
Ballast: Integral, electronic ballast
Dimmable model ballast operating frequency: 43KHz
Dimmable model power factor: >98
Non-Dimmable model ballast operating frequency: 42KHz

Non-Dimmable model power factor: >98
Power cord: All units supplied with applicable approved AC power cable.
Fuse protection: All units IEC with integral user replaceable 5 x 20 mm fuse (see chart for specific model fuse).



Power Consumption @120VAC 50/60Hz

Dimmable Models 120v

Model	Current	Fuse	Continuous Power Consumption	Peak Ignition
Studio 850DM		6.30 A	4.02 A	6.00 A
Studio 650DM		5.00 A	2.96 A	4.50 A
Studio 450DM		3.15 A	2.00 A	3.00 A
Studio 250DM		1.60 A	1.05 A	1.50 A
Studio 250cyDM		3.15 A	2.00 A	3.00 A

Non-Dimmable Models 120v

Model	Current	Fuse	Continuous Power Consumption	Peak Ignition
Studio 850ND		10.00 A	4.52 A	9.90 A
Studio 650ND		8.00 A	3.41 A	7.80 A
Studio 450ND		5.00 A	2.26 A	5.00 A
Studio 250ND		3.15 A	1.15 A	3.00 A
Studio 250cyND		5.00 A	2.26 A	5.00 A

Power Consumption @220/240VAC 50/60Hz

Dimmable Models 220/240v

Model	Current	Fuse	Continuous Power Consumption	Peak Ignition
Studio 850DM230		3.15 A	2.10 A	3.00 A
Studio 650DM230		2.50 A	1.60 A	2.30 A
Studio 450DM230		1.60 A	1.10 A	1.60 A
Studio 250DM230		1.00 A	0.60 A	0.80 A
Studio 250cyDM230		1.60 A	1.10 A	1.60 A

Non-Dimmable Models 220/240v

Model	Current	Fuse	Continuous Power Consumption	Peak Ignition
Studio 850ND230		3.15 A	2.00 A	2.80 A
Studio 650ND230		2.50 A	1.50 A	2.10 A
Studio 450ND230		1.60 A	1.00 A	1.50 A
Studio 250ND230		1.00 A	0.50 A	0.80 A
Studio 250cyND230		1.60 A	1.00 A	1.50 A

Lamps

Osram Studioline® Lamps (Manufacturer rated lamp life 8,000 hrs)
 Designed for use in video & digital imaging for higher output.

Tungsten		CRI	°K
FLS-55TU	Studioline 55w/3200	85	3200
Daylight		CRI	°K
FLS-55DA	Studioline 55w/5600	85	5600

Osram Dulux® Lamps (Manufacturer rated lamp life 8,000 hrs)
 Better lighting for film (still or motion picture) due to better color rendering with film emulsions. May require "minus green" filtration gel (1/4 or 1/2).

Tungsten		CRI	°K
CF-55TU	Dulux 55w/32-930	90+	3000
Daylight		CRI	°K
CF-55DA	Dulux 55w/12-950	90+	5300

Fluorescent Studio System



The economical choice for strong, soft fluorescent light in daylight or tungsten color temperatures, with long lamp life & reduced heat buildup.

3 non-dimmable models housing 2, 4, or 6 long life 55w fluorescent lamps

Daylight or tungsten color temperature

Low heat, low current draw, high power factor

Innovative mounting system allows maximum fixture tilting & rotation (180° each way)

In stand-mount use, fixture rests squarely over stand for best balance

Wide range of accessories available

Versatile Mounting

Available with innovative tilt-bracket for generous rotating & angling abilities. Choose from 2 mounting options; stand-mount, or with C-clamp hanging tilt-bracket for overhead studio rig installation, with the same rotation & tilt positioning options.



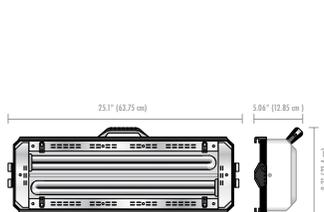
Innovative mounting system allows maximum fixture rotation & mounting flexibility

Ideal for...

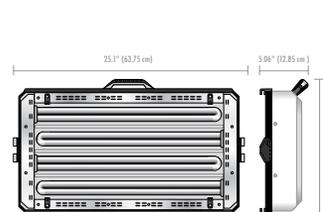
- Video-conference Rooms
- In-house A.V. Departments
- School TV Studios
- Cable TV Public Access Studios
- Web Casting Sets

Technical Data

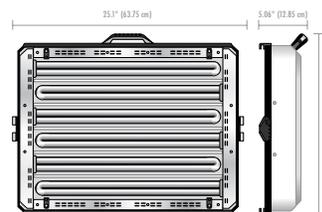
e-studio2



e-studio4



e-studio6



Technical Specs

Amperage: See chart, all models operate at 120-277 VAC 50/60 Hz.

Fuse Ratings: 50/60Hz

Power Factor: >.99



U.S. Patent: 6,554,459 B2

Power Consumption @120VAC 50/60Hz

120v e-studio2, 4, 6

Model	Voltage	Continuous Power	Peak Current	Fuse Rating
e-studio2	120 VAC	0.8	1.2	2.5 A
e-studio4	120 VAC	1.6	2.3	3.15 A
e-studio6	120 VAC	2.4	3.5	5 A

Power Consumption @220/240VAC 50/60Hz

230v e-studio2, 4, 6 (when the fixture auto-sets to 240v, the below values apply)

Model	Voltage	Continuous Power	Peak Current	Fuse Rating
e-studio2	230 VAC	0.4	0.6	2.5 A
e-studio4	230 VAC	0.8	1.3	3.15 A
e-studio6	230 VAC	1.3	1.9	5 A

Lamps

Osram Studioline® Lamps (Manufacturer rated lamp life 8,000 hrs)
Designed for use in video & digital imaging for higher output.

Tungsten		CRI	°K
FLS-55TU	Studioline 55w/3200	85	3200
Daylight		CRI	°K
FLS-55DA	Studioline 55w/5600	85	5600

Osram Dulux® Lamps (Manufacturer rated lamp life 8,000 hrs)
Better lighting for film (still or motion picture) due to better color rendering with film emulsions. May require "minus green" filtration gel (1/4 or 1/2).

Tungsten		CRI	°K
CF-55TU	Dulux 55w/32-930	90+	3000
Daylight		CRI	°K
CF-55DA	Dulux 55w/12-950	90+	5300

Lowel e-studio2



Code: FLE-200SF – Stand Mount model w/switched T1-80 AC Cable

Code: FLE-200CM – Overhead Mount model w/unswitched T1-808 AC Cable

Size: 25 x 9.2 x 5 " (64 x 23 x 13 cm)

Weight: 7.9 lbs (3.6 kg) without mount or accessories.

Uses 2 compact 55w lamps (not included).

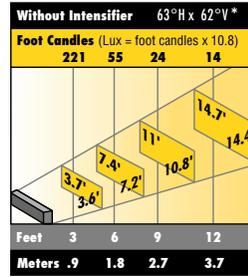
Includes: Mounting plate, chosen mounting system & AC Cable, plus Safety Cables (3).

Fixture auto-sets to voltage supplied. For 230V CE use, contact us for appropriate AC Cable.

See page 32 for further AC cable options.

2 lamp

Performance



Lowel e-studio4



Code: FLE-400SF – Stand Mount model w/switched T1-80 AC Cable

Code: FLE-400CM – Overhead Mount model w/unswitched T1-808 AC Cable

Size: 25 x 14.3 x 5" (64 x 36 x 13 cm)

Weight: 10.4 lbs (4.7 kg) without mount or accessories.

Uses 4 compact 55w lamps (not included).

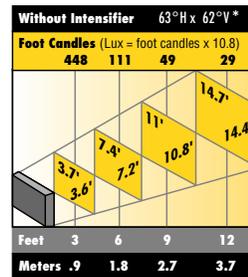
Includes: Mounting plate, chosen mounting system & AC Cable, plus Safety Cables (3).

Fixture auto-sets to voltage supplied. For 230V CE use, contact us for appropriate AC Cable.

See page 32 for further AC cable options.

4 lamp

Performance



Lowel e-studio6



Code: FLE-600SF – Stand Mount model w/switched T1-80 AC Cable

Code: FLE-600CM – Overhead Mount model w/unswitched T1-808 AC Cable

Size: 25 x 19.5 x 5" (64 x 49 x 13 cm)

Weight: 14 lbs (6.4 kg) without mount or accessories.

Uses 6 compact 55w lamps (not included).

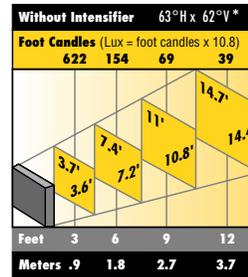
Includes: Mounting plate, chosen mounting system & AC Cable, plus Safety Cables (3).

Fixture auto-sets to voltage supplied. For 230V CE use, contact us for appropriate AC Cable.

See page 32 for further AC cable options.

6 lamp

Performance



Light Controls

To help control light output, they slide into guides on front of fixture. Some attach to front of Intensifier, if used. See chart for output gain/loss. All accessories available for most models. All fixtures have quick attach Gel clips installed.

Intensifier

Mirrored enclosure mounts on front of the fixture, and almost doubles the output.



Barndoors

For trimming spill of the light. 4 adjustable doors. Mounts on front of the fixture.



Egg Crate Grid

Trims spill, but with less control & output loss than Honeycomb Grid.



Honeycomb Grid

For greatest control of spill, with some loss of output. For front of fixture or Intensifier. 3 dispersion strengths, 20°, 30° & 40° angles.



Accessory	Location	Output Loss/Gain (approx)	e-studio6 (Code)	e-studio4 (Code)	e-studio2 (Code)
Barndoor	Front of Fixture	N / A	FLS-620	FLS-420	FLS-220
Intensifier	Front of Fixture	+ 80%	FLS-622	FLS-422	FLS-222
Egg Crate	Front of Fixture	- 25%	FLS-624	FLS-424	FLS-224
Honeycomb Grid Black 40°	Front of Fixture	- 25%	FLS-634	FLS-434	FLS-234
Honeycomb Grid Black 30°	Front of Fixture	- 35%	FLS-633	FLS-433	FLS-233
Honeycomb Grid Black 20°	Front of Fixture	- 54%	FLS-632	FLS-432	FLS-232
Honeycomb Grid Black 40°	Front of Intensifier	- 30%	FLS-644	FLS-444	FLS-244
Honeycomb Grid Black 30°	Front of Intensifier	- 22%	FLS-643	FLS-443	FLS-243
Honeycomb Grid Black 20°	Front of Intensifier	- 46%	FLS-642	FLS-442	FLS-242

Mounts

e-studio Stand Mount

Code: CF-36

Stand Mount fits 5/8" stand stud & keeps fixture center of gravity squarely over stand for best balance, while allowing maximum rotation & angling of fixture. Supplied with all Stand Mount models.



e-studio Overhead Mount

Code: FLE-CM

C-clamp fitted bracket allows hanging from pipe or rail with maximum rotation & angling of fixture. Supplied with all Overhead Mount models.



KS Jr. Stand

Code: DT-33

Maximum height: 7'7" (2.3 m)
Collapsed length: 2.3' (65 cm)
Weight: 3.5 lbs (1.6 kg)
Wide based, sturdy, lightweight stand with 5/8" (1.59 cm) stud and solid bar legs. For e-studio 2 & 4 (without Intensifier).

KS Stand

Code: KS

Maximum height: 9' (2.74 m)
Collapsed length: 3' (91 cm)
Weight: 4 lbs (1.8 kg)
Wide based, sturdier, lightweight stand with 5/8" (1.59 cm) stud. For e-studio 2 & 4, or 6 without Intensifier.

KSA Stand

Code: KSA

Air-cushioned stand. Otherwise same as above. For e-studio 2 & 4, or 6 without Intensifier.

Grand Stand

Code: GSA

Maximum height: 10.5' (3.1 m)
Collapsed length: 3.5' (1.1 m)
Weight: 6.75 lbs (3 kg)
Extra wide base, one leg extends longer for use on uneven ground, air-cushioned sections. For e-studio 2, 4 & 6.

IR DMX Controller™ & IR DMX Translator™

Remote Infrared DMX Control...

The combination of the compact IR DMX Translator and the revolutionary hand-held IR DMX Controller add up to an innovative way to perform DMX dimming without a console.

Award-winning system.

The IR DMX Translator converts infrared commands transmitted by the IR DMX Controller into DMX-512 protocol, to control up to 512 DMX dimmable devices.

Use the Controller to create & store up to 10 scenes, with your choice of dimming levels for up to 512 DMX addressed dimmers.

Or connect between console and 1st DMX dimmer to switch control between both.

Perfect for small studios, video conference rooms, or full sized production facilities.



Translator

Simple set-up, plug in AC & DMX cables for instant operation.

Translates communication for up to 512 DMX controllable devices.

Connects to start of DMX chain to receive & translate commands from IR DMX Controller.

Internal & external IR Sensors assure proper positioning for line of sight IR Controller communication.

Used with existing console allows switching to hand-held controller for "on set" lighting design adjustments.

Controller

Revolutionary hand-held IR remote-control system.

Multi-unit DMX dimming control without lighting console.

Battery operated controller no larger than a garage door opener.

Easy to use logically designed controls.

One unit can address & command up to 512 dimmable fixtures (DMX daisy-chained).

Can also be used with Lowel Fluo-Tec fluorescent studio system to control up to 512 dimmable fixtures.

U.S. Patents: 6169376, 6323605 & patent pending.

LowelDimmer

Intelligent Dimming & flicker effects...

The single channel 1,000 Watt

LowelDimmer is ideal for location sets, small studios, special effects departments, and event videographers. Graceful dimming during shooting, 4 user-storable dimmer levels, and even a variable "Flicker" generator to simulate candle light, water reflections, TV screen flicker, etc.



120v/10 amp AC load.

Dimming variable in 5,000 steps from 0-100%.

Can be controlled manually or by DMX 512 protocol.

U.S. Patent: 6108194

330 microsecond rise time extends lamp life & limits filament buzzing.

Microprocessor controlled.

Modular design.

Quickly mounts to Lowel light stand struts.

Components

Manual/DMX

Code: LD-20

Size: 5.5 x 4.5 x 4" (14 x 11.4 x 10.3 cm)

Weight: 4 lbs (1.8 kg) without cable
Manual or DMX control.
Supplied with 12' AC cable.



DMX Cables

10' DMX Cable

Code: DMX-010
10' cable with male & female DMX connectors.

25' DMX Cable

Code: DMX-025
25' cable with male & female DMX connectors.

50' DMX Cable

Code: DMX-050
50' cable with male & female DMX connectors.

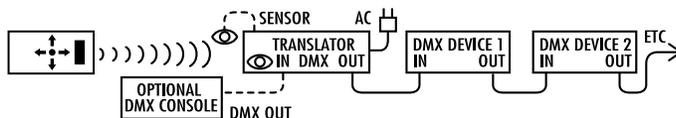
Dimmer Tilt-bracket

Code: LDT-01

Tilting bracket attaches to dimmer bottom for mounting on 5/8" stand top for convenient access.



IR DMX Controller, Translator/Sensor, & DMX Chain



Components

IR DMX Translator

Code: FLS-150

Size: 5.4 x 3.4 x 1.6" (14 x 8.6 x 4 cm)

Weight: 5 oz (168 g)

Supplied with AC/9VDC adaptor & external IR Sensor with 6' cable.



IR DMX Controller

Code: FLS-100

Size: 4.5 x 2.6 x 1" (11.5 x 6.6 x 2.5 cm)

Weight: 5 oz (168 g)

Supplied with 2 AA batteries.



IR External Sensor

Code: FLS-120

Size: 2.5 x 1.75 x 1" (6.3 x 4.4 x 2.5 cm)

Weight: 1 oz (28 g)

without cable
Supplied with 6' cable.



Reflectors, Umbrellas &

Variflector II



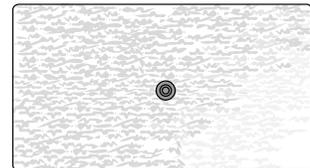
Code: V44A
Size: 42 x 27" (106.7 x 68.6 cm)
Weight: 14 lbs (6.35 kg)
 Rolls up to fit in a tube with stand. Textured Mylar reflecting surface on sturdy aluminum slats with continuously variable 3:1 brightness control in a finger-operated cam lever. Mounts on stand with 5/8" (1.59 cm) stud (Lowel Grand Stand recommended).
U.S. Patent: 3254207.

Replacement Panel



Code: V44RS
Weight: 7.25 lbs (3.29 kg)
 Reflective panel for Variflector II. Rolls up to fit in a tube with stand.

Small Lightflector/Tilter



Code: LFGOT
Size: 21.75 x 11.75" (55 x 29.8 cm)
Weight: 1.25 lbs (568 g)
 With reduced size to fit into compact GO-85 Case. One side textured Mylar, one side highly reflective aluminum surface. Panel mounts on stand or clamp with Tota-tilter. Tilts; pans; rotates; hand-held, it can be bowed for zoom control.

Small Lightflector only

Code: LFGO

Large Lightflector/Tilter

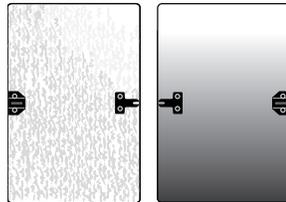
Code: LFT
Size: 15" x 24" (38.1 x 61 cm)
Weight: 1.75 lbs (794 g)
 Same as above but in original larger size.

Large Lightflector only

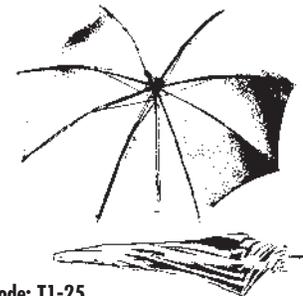
Code: LF

Tota-flector

Code: T1-54
Size: 8" x 12" (20.3 x 30.5 cm)
Weight: 6 oz (170 g)
 One side diffuse, one side specular panel, mounts on stand with Flexi-shaft and Tota-tatch or clamp, reflects sun or any light source. Perfect for head-and-shoulder shots, small products.



Tota-brella Standard/Silver



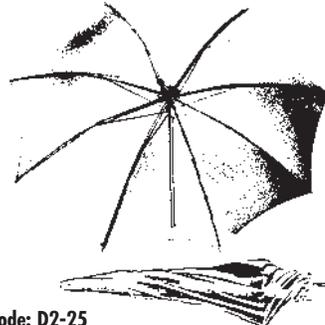
Code: T1-25
Size: 27" (68.6 cm) open, 19" (48.3 cm) closed.
Weight: 8 oz (227 g)
 Fits directly on ViP, Tota/Omni, & Fren-L 650 Accessory bracket to convert them to soft shadow sources. Woven, soft-silver surface.

Special/White

Code: T1-26

Same as above but with white surface that produces an even softer light, especially if brella is turned around & pointed to subject to light through it (in flood only).

DP Brella Standard/Silver



Code: D2-25
Size: 41" (104 cm) open, 32.5" (82.6 cm) closed.
Weight: 1.4 lbs (635 g)
 Fits directly on DP to convert it to a soft shadow source. Woven, soft-silver surface.

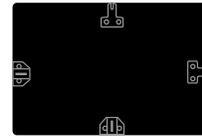
Special/White

Code: D2-26

Same as above but with white surface that produces an even softer light, especially if brella is turned around & pointed to subject to light through it (in flood only).

Flags &

Tota-flag



Code: T1-52
Size: 8 x 12" (20.3 x 30.5 cm)
Weight: 4 oz (113 g)
 Black panel of aircraft alloy aluminum snaps onto Flexi-shaft to shade subject, back-ground or camera lens. Makes a sharper, more controllable shadow than a barndoor.

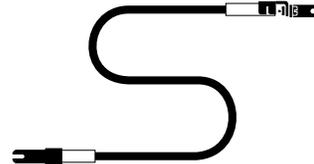
Flag-link



Code: ViP-50
Weight: 1 oz (28 g)
 Attaches to Pro-light and i-light. Accepts one Flexi-shaft.

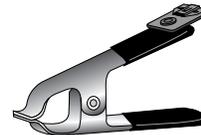
Flexi-shaft (2)

Code: T1-50
Size: 16" (40.65 cm)

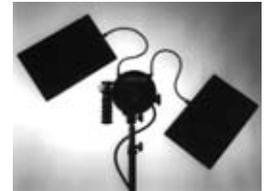


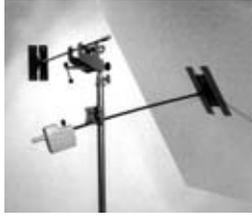
Weight: 4 oz (113 g)
 Flexible arm can be bent and rebent. One rotating end simplifies precise positioning of Tota-flags and reflectors as well as Blips. The other end attaches directly to DP, Omni and Tota-lights, a Tota-daptor, Tota-clamp, Tatch, or Tilter. (Pkg of 2).

Tota-tatch



Code: T1-34
Weight: 3.5 oz (98 g)
 Attaches to stands, shelves, tripods, etc. Accepts one Flexi-shaft.





Flags &

Lobo

Code: F1-30

Weight: 10 oz (284 g)

Positions Maxa-mount, Lobo Arm, frame-ups, flags, umbrellas, etc. Attaches to the top or shaft of stands, to any 5/8" (1.59 cm) stud or to pipes up to 1 1/4" (3.2 cm) diameter. One large knob controls 360°, multi-axis rotation with precise clamping. **U.S. Patent:** 4616384.



Lobo Arm

Code: F1-40

Size: 22" (55.9 cm) shaft

Weight: 3 oz (85 g)

With 5/8" (1.59 cm) stud. Used with Lobo or Grip extends, articulates and booms Frame-ups, small lights, reflectors, etc.



Lobo Arm & Lobo

Code: F1-41

Weight: 13 oz (370 g)

Maxa-mount & Lobo

Code: CM-11

Weight: 17 oz (382 g)

Works with Lobo and Gaffer-tape to support large light control panels such as Foamcore. 5/8" (1.59 cm) stud.

Maxa-mount

Code: CM-10

Size: 27.75" (70.5 cm) long, 3/8" (1 cm) shaft.

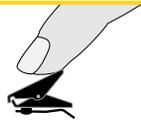
Weight: 7 oz (198 g)

Gel-jawz (8)

Code: CL-15

Weight: 2 oz (56 g)

Package of eight clips. Attach to barndoor leaves to hold gels.



Hollywood-strip™

Code: CL-10

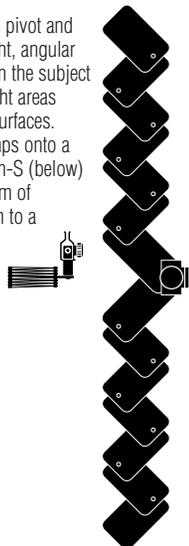
Weight: 3 oz (85 g)

Size: adjustable

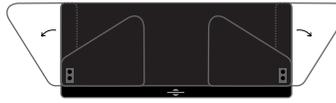
Two articulating arms pivot and rotate to create straight, angular or curved shadows on the subject or set, to control bright areas and break up bland surfaces. Hollywood-strip clamps onto a barndoor leaf, to a Fin-S (below) or directly onto the rim of some lights. To attach to a stand, see Blip-clip below.

U.S. Patent:

5138530



Fin-S™



There's only so much a barndoor can do. Fin-S makes up for those limitations. It clamps on an Omni or DP Barndoor leaf; reaches out and pivots in precisely to shape the beam and shade or shadow part of the scene. It provides a sharper, more precise cut than barndoors alone and simplifies the job of cutting lens flare. Two panels can hold a gel. Comes with clamping Piv-it™. **U.S. Patent:** 5072350

Single

Code: CL-21

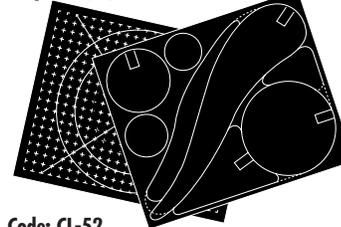
Weight: 4 oz (113 g)

Set of 4

Code: CL-24

Weight: 16 oz (452 g)

Blips™ (2)



Code: CL-52

Weight: 3 oz (85 g)

These bendable, reusable shapes can be positioned precisely to control hot-spots in the scene. Cut them out with ordinary scissors from our .008" thick, black aluminum Blip sheet (designs printed on both sides). To mount them on a light or a stand, see below. **U.S. Patent:** 5147131. (2 sheets).

5 Sheets

Code: CL-55

Weight: 15 oz (425 g)

Blip-clip™ (2)



Code: CL-50

Weight: Each clip: 1 oz (28 g).

Blip-clips lock onto the rotating end of the Flexi-shaft. They hold one or two Blips or a Hollywood-strip. (Pkg of 2).

Blip-set

Code: CL-90

Weight: 12 oz (340 g)

Contains:

2 Blip sheets (CL-52)

2 Flexi-shafts (T1-50)

2 Blip-clips (CL-50)

1 Tota-daptor (T1-35)

to lock assembly under most lights atop a stand or clamp stud. You supply the scissors.

Gels

Custom sizes to accommodate Lowel Gel Frames & Rifa-lites

Full Day Blue: Converts tungsten (3200°K) to average daylight. (1/2 & 1/4 strengths available in Rifa Daylight Gels).

ND 3: Neutral density gel reduces light intensity by approx. 2/3 stop without diffusion.

Frost: Softens and diffuses. Reduces light intensity by approx. 2/3 stop.

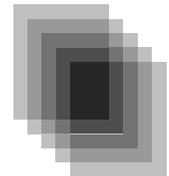
Assorted Gels: 3 Full Day Blue, 1 Frost, 1 ND 3.

Note: Lowel does not supply Polarizing gels. They may be damaged if used close to high-wattage Tungsten lamps.

Tota/Omni Gels (5)

Size: 10 x 12" (25.4 x 30.5 cm)

Weight: 2 oz (56 g)



T1-70 Day Blue

T1-71 ND 3

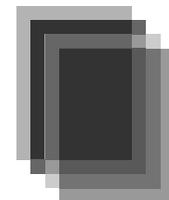
T1-72 Frost

T1-78 Tota/Omni Assorted Gels

DP Gels (4)

Size: 12 x 16" (30.5 x 40.64 cm)

Weight: 2 oz (56 g)



D2-70 Day Blue

D2-71 ND 3

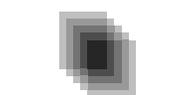
D2-72 Frost

D2-78 DP Light Assorted Gels

iP & L-light Gel Packs (5)

Size: 5 x 6" (15.2 x 15.2 cm)

Weight: 1 oz (28 g)



iP-70 Day Blue

iP-71 ND 3

iP-72 Frost

iP-73 Booster Blue*

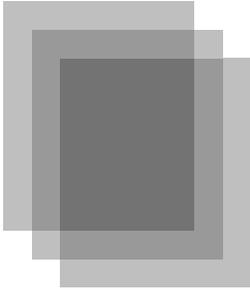
iP-78 iP Assorted Gels

***Booster Blue:** Slight blue gel converts L-light MR-16 2900°K lamps to 3200°K.

Gels

Standard Frame-up Gels (3)

Size: 20 x 24" (50.8 x 61 cm)
Weight: 4 oz (112 g)



F1-70	Day Blue
F1-71	N D 3
F1-72	Frost

Array Frost Gel (1)

Code: A1-72
Size: 24 x 54" (61 x 137.2 cm)
Weight: 2 oz (56 g)
 For further diffusion of Light Array output.

Rifa Daylight Gel Sets

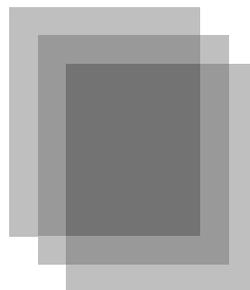
For adjusting 3200°K Rifa lamps to mix with varying strengths of daylight. Each set contains 3 sheets: Day Blue, 1/2 Day Blue & 1/4 Day Blue (1 sheet each).

For LC-44
Code: LC-47
Size: 23 x 16" (58.4 x 40.6 cm)

For LC-55
Code: LC-57
Size: 29 x 22" (73.7 x 56 cm)

For LC-66
Code: LC-67
Size: 33 x 26" (84 x 66 cm)

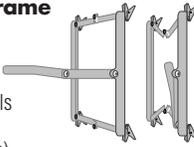
For LC-88
Code: LC-87
Size: 39 x 32" (99 x 81.3 cm)



Gel Frames

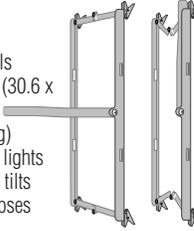
Pro & i Gel Frame

Code: iP-40
Size: For 5 x 6" (12.7 x 15.2 cm) gels
Folded: 6 x 1 x 1" (15.3 x 2.5 x 2.5 cm)
Weight: 2 oz (56 g)
 Locks directly into Pro, i & L-lights. Pans and tilts with the light. Collapses for storage.



Tota-frame

Code: T1-20
Size: For 10 x 12" (25.4 x 30.5 cm) gels
Folded: 12 x 1 x 1" (30.6 x 2.5 x 2.5 cm)
Weight: 6 oz (170 g)
 Use with Tota/Omni lights & V-light. Pans and tilts with the light. Collapses for storage.

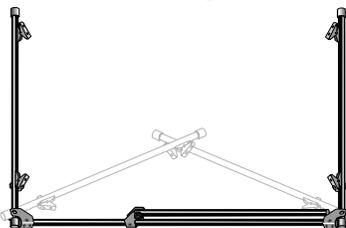


DP Frame

Code: D2-24
Size: For 12" x 16" (30.5 x 40.6 cm) gels
Weight: 8 oz (227 g)
 Locks directly into the DP or Lobo. Pans and tilts with the light. Permanent gel clips and adjustable support arm.



Standard Frame-up



Code: F1-15
Weight: 14 oz (397 g)
Size: For gels 20" x 24" (50.8 x 60 cm)
 Fold up light control frame holds industry-standard size gel sheets for color manipulation, light reduction and diffusion for shadow control. Made from durable aluminum alloy, attaches with a Lobo on a separate stand or on the same stand as the light. Pivots 180°, rotate 360°, folds compactly for storage and travel.

Standard Frame-up & Lobo
Code: F1-16

Gel Files

Conveniently organizes & stores pre-cut lighting gels. Made of flexible woven nylon with dividers for different gel colors, & diffusion, etc. They also have a clear plastic zippered pocket for storing Gel-jawz, clothes pins etc. Designed by David Lent, a Washington DC based shooter.



Tota/Omni Gel File

Code: GF-10
Size: 11 x 13" (27.9 x 33 cm)
Weight: 9 oz (255 g)
 Stores & organizes 10 x 12" gels for Tota/Omni gel frame.

DP Gel File

Code: GF-15
Size: 13.3 x 18" (33.8 x 45.7 cm)
Weight: 14 oz (398 g)
 Stores & organizes 12 x 16" gels for DP gel frame.

Standard Gel File

Code: GF-20
Size: 21 x 25" (53 x 63.5 cm)
Weight: 1.7 lbs (771 g)
 Stores & organizes 20 x 24" industry standard sheet size gels.



For easiest use, view this 2 page spread as facing pages

Stands & Poles

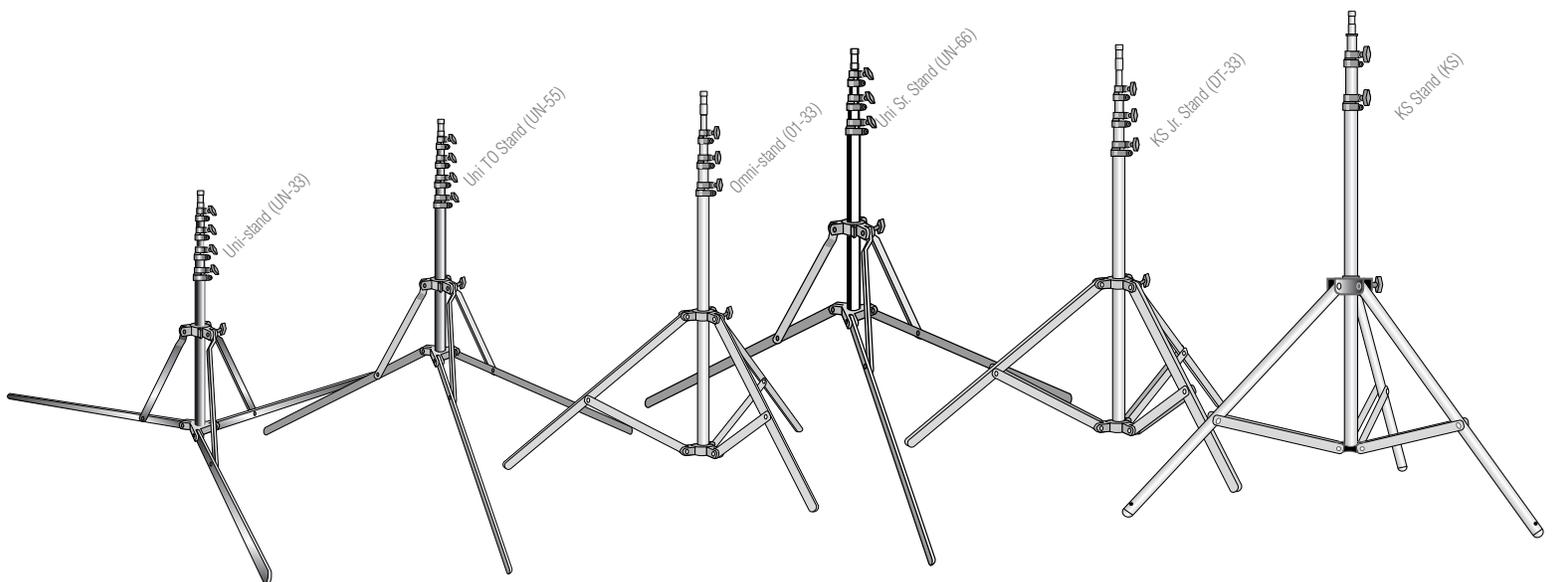
All Lowel Stands and Poles have been upgraded. They are constructed with thick-wall, anodized gun-metal gray aluminum alloy tubing to deliver an exceptionally high strength-to-weight ratio.

All have a standard 5/8" (1.59 cm) top stud with safety undercut, adjustable base spread and, except for Grand Stand, collar-clamping for each segment.

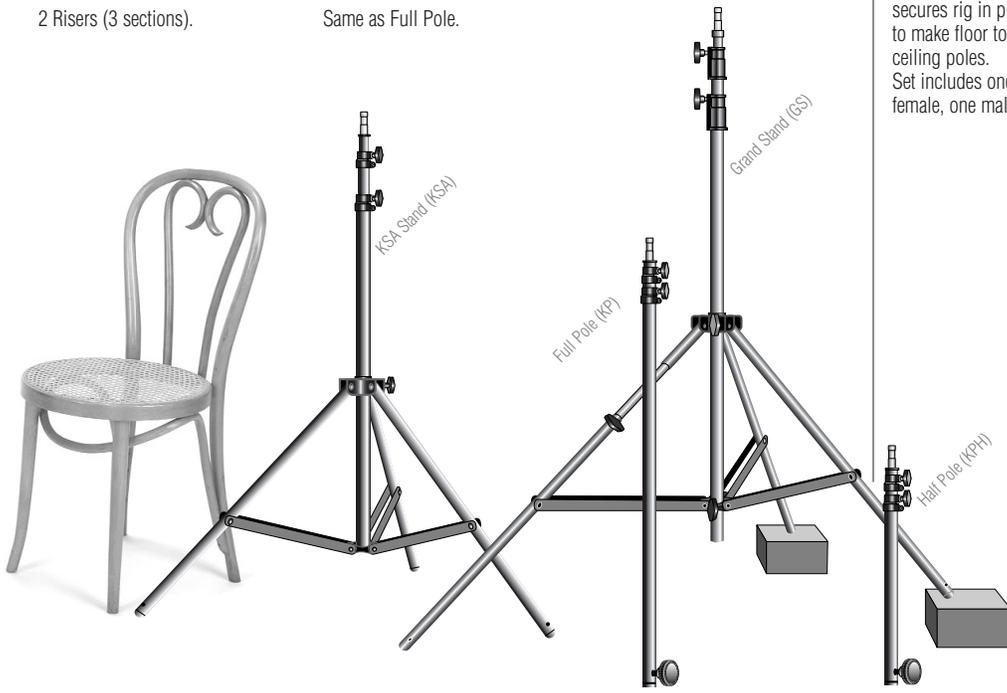
All have wall thickness of .049" and are finished in gun-metal gray with yellow stand collars, except for air-cushioned stands (KSA & Grand Stand) which have black stand collars & knobs.



Name	Code	Max. Height	Folded Length	Max. Base Diameter	Min. Tube Diameter Max. Tube Diameter	Weight
Uni-stand	UN-33	7'11" (2.4 m)	21.5" (54.6 cm)	3'7" (1.1 m)	3/8" (.95 cm) 7/8" (2.2 cm)	2.4 lbs (1.1 kg)
Uni TO Stand	UN-55	7'11" (2.4 m)	21.5" (54.6 cm)	3'7" (1.1 m)	1/2" (1.27 cm) 1" (2.54 cm)	2.6 lbs (1.2 kg)
Omni-stand	01-33	9' (2.74 m)	27" (69 cm)	3'1" (94 cm)	1/2" (1.27 cm) 7/8" (2.2 cm)	2.6 lbs (1.2 kg)
Uni Sr. Stand	UN-66	7' (2.2 m)	22.5" (57.2 cm.)	3'10" (1.2 m)	3/4" (1.9 cm) 1 1/8" (2.9 cm)	3.3 lbs (1.5 kg)
KS Jr. Stand	DT-33	7'7" (2.3 m)	28" (65 cm)	3'1" (99 cm)	3/4" (1.9 cm) 1 1/8" (2.9 cm)	3.5 lbs (1.6 kg)
KS Stand	KS	9' (2.74 m)	36" (91 cm)	3'5" (1 m)	7/8" (2.2 cm) 1 1/8" (2.9 cm)	4 lbs (1.8 kg)
KSA Stand	KSA	9' (2.74 m)	36" (91 cm)	3'5" (1 m)	7/8" (2.2 cm) 1 1/8" (2.9 cm)	4.2 lbs (1.9 kg)
Grand Stand	GS	10.5' (3.1 m)	43" (1.1 m)	4'5" (1.35 m)	1" (2.54 cm) 1 3/8" (3.51 cm)	6.75 lbs (3 kg)
Full Pole	KP	6.6' (2 m)	34" (89 cm)	—	7/8" (2.2 cm) 1 1/8" (2.9 cm)	1.75 lbs (.8 kg)
Half Pole	KPH	3' (91 cm)	18" (46 cm)	—	7/8" (2.2 cm) 1 1/8" (2.9 cm)	1.1 lbs (.5 kg)



Legs/Number of Risers	Recommended Uses & Notes
Single-strut leg brace, solid bar legs. 4 Risers.	ViP & other small lights. Wide base for more stability, large locking knobs. Legs can lie flat to floor or in standard tripod arrangement, and fold up for more compact packing. Smallest folding Lowel stand.
Single-strut leg brace, solid bar legs. 4 Risers.	ViP, Tota/Omni, Rifa-lite 44 & other small lights. Sturdier than Uni-stand, ideal for use with Tota/Omni in GO Cases.
Single-strut leg brace, solid bar legs. 3 Risers.	Tota & Omni lights, Rifa-lite 44 & small flags. Sturdy & lightweight, an industry standard.
Single-strut leg brace, solid bar legs. 3 Risers.	Tota/Omni, DP Light, Rifa-lite 55 & 66, Fren-L 650, Caselite, Scandles. Legs can lie flat to floor or in standard tripod arrangement, and fold up for more compact packing. Designed to fit into lid of Caselite.
Single-strut leg brace, solid bar legs. 3 Risers.	Tota/Omni, DP Light, Rifa-lite 55 & 66, Fren-L 650, Caselite, Scandles. Smaller closed than KS (for more compact packing).
Double-strut leg brace, tubular legs with holes for casters or anchors. 2 Risers.	DP Light, Rifa-lite 88, Fren-L 650, Basic Boom. Industry standard medium sized stand, taller & more stable than KS Jr.
Double-strut leg brace, tubular legs with holes for casters or anchors. 2 Risers.	DP Light, Rifa-lite 88, Fren-L 650, Basic Boom. Medium sized stand. Same as above but with air-cushioned riser sections, black castings & knobs.
Double-strut leg brace, tubular legs with holes for casters or anchors. 2 Risers.	Variflector, larger/heavier lights, Big Boom. Extra wide base, one leg extends longer for use on uneven ground, gray anodized stand with air-cushioned sections & direct screw clamping.
2 Risers (3 sections).	Extend KS, Grand Stand. Forms: boom, background support, rigs. Updated with extra section & additional length for added security when used at original length.
2 Risers (3 sections).	Same as Full Pole.

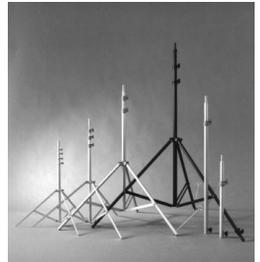


Accessories

Lowel Weight



Code: LW
Weight: 4.25 lbs (1.93 kg)
 Modular counterweight. A 5/8" (1.59 cm) stud locks on female end of Lowel poles to counterbalance booms; two or three weights fit together for additional weight. Slots in bottom fit on stand leg struts to increase stability.



Lowel Casters (3)



Code: LC
Weight: 2.4 lbs (1.09 kg)
 Lockable wheels fit leg holes on KS, KSA and Grand Stands. Especially helpful for booms and studio lighting. (Set of 3).



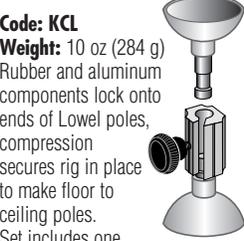
Lowel Anchors (4)



Code: LA
Weight: 12 oz (340 g)
 Ground spikes fit through leg holes in KS, KSA and Grand Stands to anchor on grass, sand etc. (Set of 4)



Ceiling Link



Code: KCL
Weight: 10 oz (284 g)
 Rubber and aluminum components lock onto ends of Lowel poles, compression secures rig in place to make floor to ceiling poles. Set includes one female, one male.





Space-clamp



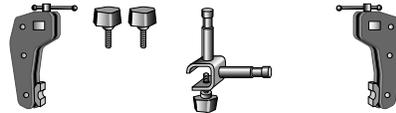
This clamp locks onto posts, beams and objects with spans from 25" to 8' to support one or more lights, flags, etc. The bar, made of high-strength aluminum aircraft alloy, interlocks without tools to adjust to various widths.

It can also reverse and jack out to clamp between objects (not recommended with two or more bars interlocked). Stud Bracket locks onto any part of the arm. Space Clamp also accepts Tota-tilter and Lobo for a variety of accessories.

Large Space-clamp



Code: SC-10
Size: 27.25" (69.2 cm) long
Weight: 1.5 lbs (680 g)
 Complete with Large Bar, 2 Clamping Arms, Stud Bracket, 2 Knobs.



Large Bar
Code: SC-15
Size: 27.25" (69.2 cm) long
Weight: 8 oz (227 g)

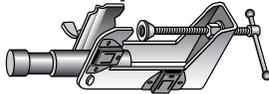
Clamping Arm (1)
Code: SC-35
Weight: 6 oz (170 g)

Stud Bracket
Code: SC-30
Weight: 4 oz (113 g)



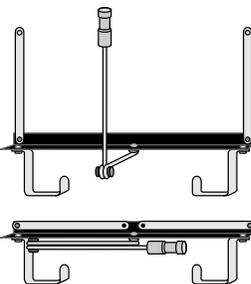
Clamps & Mounts

Tota-clamp



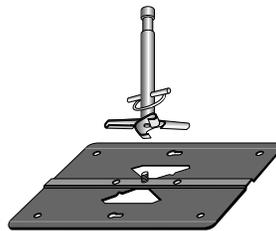
Code: T1-30
Weight: 4 oz (113 g)
 Supports medium weight lights and accessories on a 5/8" (1.59 cm) stud that pivots and locks in two positions. The clamp attaches securely to stands, pipes, shelves, etc. up to 1 7/8" (4.8 cm) diameter and also accepts two Flexi-shafts with Flags or Flectors. The stud has a tapped hole to accept accessories that mount with 1/4-20 bolts. Works with Lobo, Tota-tilter, Grip and Interlink.

Tota-mount



Code: T1-32
Weight: 10 oz (284 g)
 Hangs, open or closed, on doortops. Gaffer-tapes to windows and many wall surfaces to support small lights, such as ViP and Tota/Omni, when stands are unavailable or in the way. With 5/8" (1.59 cm) stud. Folds for storage and travel.

Big-foot & Scissor-mount



Code: CM-31
Weight: 11 oz. (170 g)
 Lowel Big-foot converts a scissor-mount or stud with 1/4-20 threaded hole into an instant support for various lights. The broad base provides stability on the floor.

Big-foot™
Code: CM-30
Size: 7" X 10" X 1/4"
Weight: 11 oz (311 g)
 Plate only without scissor-mount.

Scissor-mount (2)

Code: CM-20
Weight: 9 oz (250 g)
 Attaches small lights and accessories to grid of dropped-ceiling in offices and other areas. Use Gridlock (CM-21) with Pro-light. (Set of 2).



Lobo



Code: F1-30
Weight: 10 oz (284 g)
 Positions Maxa-mount, Lobo Arm, frame-ups, flags, umbrellas, etc. Attaches to the top or shaft of stands, to the Space Clamp bar, to any 5/8" (1.59 cm) stud or to pipes up to 1 1/4" (3.2 cm) diameter. One large knob controls 360°, multi-axis rotation with precise clamping. **U.S. Patent:** 4616384.

Lobo Arm

Code: F1-40
Size: 22" (55.9 cm) shaft
Weight: 3 oz (85 g)
 With 5/8" (1.59 cm) stud. Used with Lobo or Grip; extends, articulates and booms small lights, reflectors, etc.

Lobo Arm & Lobo
Code: F1-41
Weight: 13 oz (370 g)

Safety Cable (3)



Code: CM-50
Size: 34" (86.4 cm)
Weight: 2 oz (57 g)
 Braided stainless-steel cable adds security to lights and accessories that are attached to overhead pipes, beams, dropped-ceiling grids, etc. (Set of 3).

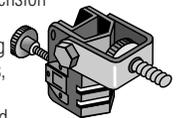
Maxa-mount

Code: CM-10
Size: 27.75" (70.5 cm) long; 3/8" (1 cm) shaft
Weight: 7 oz (198 g)
 Supports (with Gaffer-tape or double-faced tape) light reflecting or control panels, props and products. Tilts, pans and rotates; accepts a Lowel Weight for balance. Mounts on a stand with Lobo or Grip to make a mini boom. Used with seamless paper, it floats props in "limbo". 5/8" (1.59 cm) stud.

Lobo & Maxa-mount
Code: CM-11
Weight: 17 oz (382 g)

Tota-tilter

Code: T1-36
Weight: 4 oz (113 g)
 A constant tension tilt bracket for mounting Lightflectors, small still cameras, and accessories. Has a 1/4-20 knurled screw. Fits on 5/8" (1.59 cm) or smaller stud; accepts two Flexi-shafts.



Clamps & Mounts

Missing Link™



Code: ML-10

Weight: 6 oz (170 g)

This versatile mounting device features a double articulating female fitting which provides increased flexibility when positioning small lights, flags, reflectors, poles, etc. It can be used in combination with a wide variety of Lowel accessories. Based on a design by Canadian videographer Peter Warren.

Combines with ML-12 & ML-13 stud-mounted Spring Clamps for added versatility.

US Patent: 6073897

Small Spring Clamp (5/8" stud)

Code: ML-12

Weight: 3.5 oz (99 g)

Large Spring Clamp (5/8" stud)

Code: ML-13

Weight: 6.5 oz (185 g)

Missing Link & Small Spring Clamp

Code: ML-16

Weight: 9.5 oz (269 g)

Missing Link & Large Spring Clamp

Code: ML-17

Weight: 12.5 oz (355 g)

Double Male Stud

Code: K1-11

Weight: 4 oz (113 g)

Stud with two 5/8" (1.59 cm) ends; one end with 1/4-20 female threaded hole. Works with Missing Link to extend and articulate stands, poles, Scissor-mount. Also works with Grip. (Supplied as an integral part of Interlink.)

Screw-in Stud (2)

Code: LSS

Weight: 4 oz (113 g)

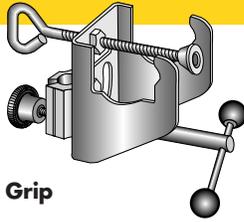
Standard 5/8" (16 mm) mounting stud with safety undercut. Screws into wooden surfaces such as the top of studio sets to support small lights, flags, reflectors, etc. (Set of 2).

Tota-daptor

Code: T1-35

Weight: 4 oz (113 g)

Stacks multiple Tota-lights; converts under-sized stands to 5/8" (1.59 cm). Also accepts two Flexi-shafts with Flags or Flectors.



Grip

Code: KG

Weight: 1.75 lbs (794 g)

This versatile heavy-duty clamp attaches to stands, poles, pipes, 2" x 4"s etc. to support lights with Interlink, or Double Male Stud; makes a boom out of Stand and Pole; works with Space Clamp, Maxa-mount, Frame-up. Tilts 180°; pans 360° and locks securely.

Interlink

Code: K1-10

Weight: 12 oz (340 g)

Interconnects various Lowel components. Adds multiple mounting positions; joins two Lowel Poles (male or female ends) in a straight line or at right angles (90°). Both studs are removable and have a 1/4-20 threaded hole to simplify mounting accessories with 1/4-20 bolts.



Background Support

Code: SP-93

Weight: 13.5 lbs (6.12 kg)

For studio background shots on location. This versatile rig supports seamless paper rolls, black velour & other material. Adjusts from 32" (81.3 cm) to 10' (3.05 m) wide. Accepts two back lights without additional clamps; components can be used separately as well.

Contains:

- 2 KS Stands (KS)
- 2 Interlinks (K1-10)
- 2 Full Poles (KP)

Booms & Rigs

Lowel Rigs support, position and extend lights, microphones, flags, diffusers, seamless paper, etc. They assemble quickly, without tools from basic Lowel components: stands, poles, grips, interlinks, weights, etc. The inter-locking mechanism incorporates a standard 5/8" stud onto which lights and accessories can be attached. Lowel rigs disconnect quickly for travel.

ViP Boom



Code: SP-95Z

Weight: 3 lbs (1.4 kg)

Miniature boom/stand extension for very small lights, indoor reflectors and accessories. Always position arm over leg for best balance, add weight to stand base for additional stability

Contains:

- 1 Uni-stand (UN-33)
- 1 Lobo (F1-30)
- 1 Lobo Arm (F1-40)

Big Boom

Code: SP-90

Weight: 21 lbs (9.53 kg)

A large boom using the wide-based, air-cushioned Grand Stand to support large lights such as the Rifa-lite, Fren-L 650, Caselite & LowelScandies. Fits in a tube (V44CCZ) case (not included) for travel and assembles in minutes.

Contains:

- 1 Grand Stand (GS)
- 1 Grip (KG)
- 1 Full Pole (KP)
- 1 Half Pole (KPH)
- 2 Lowel Weights (LW)
- 1 Set (3) Lowel Casters (LC)
- 1 Pkg (10) Cable Clips (K4CC)

Basic Boom

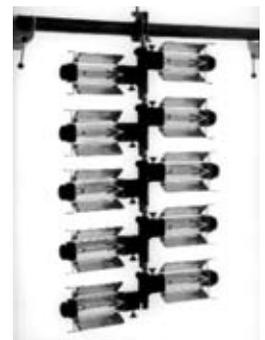
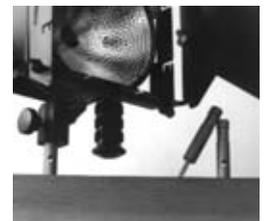
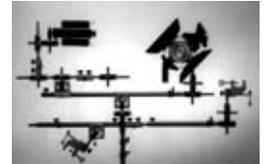
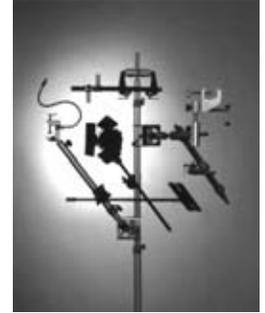
Code: SP-91

Weight: 19 lbs (8.62 kg)

Sturdy, medium-size boom for Lowel Omni, Tota, DP, microphones, etc. Has air-cushioned stand for studio or location. Also forms various rigs with additional Lowel components.

Contains:

- 1 KSA Stand (KSA)
- 1 Grip (KG)
- 1 Full Pole (KP)
- 2 Lowel Weights (LW)
- 1 Set (3) Lowel Casters (LC)
- 1 Pkg (10) Cable Clips (K4CC)



Multi-system Hard Cases w/ Movable Partitions

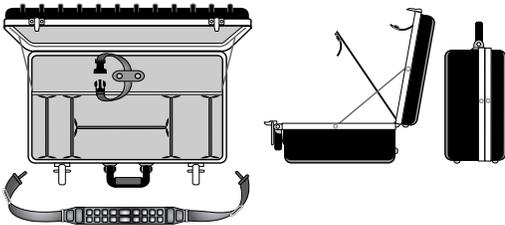
The addition of movable velcro partitions to these Lowel Hard Cases brings a greater degree of packing flexibility to kit arrangement. All have ribbed exteriors for extra strength, and hinged lids. A permanent length-wise partition separates lights from stands and movable velcro partitions allow custom placement options.

Some larger cases have been updated with heavy-duty recessed wheels & spring-loaded pulling handles. Most smaller cases come with air-cushion padded adjustable shoulder straps. GO-85, TO-83, O1-86Z & TO-84Z cases all offer maximum versatility when combining ViP, Tota/Omni & smaller Rifa systems. Consult individual cases for number of lights, stands & accessories they can hold.

GO 85 Case

Code: GO-85
Size: 23.75 x 13.5 x 7"
 (60.3 x 34.3 x 17.8 cm)
Weight: 10.3 lbs (4.7 kg)

- High impact molded polyethylene case, hinged lid, with padded shoulder strap (SS-10).
- Holds 4 Omni-lights or 4 Tota-lights, or combinations which can also include Rifa 44, Pro & V-lights, plus 4 Uni or Uni TO stands (one possible partition arrangement shown).
- Includes the following partitions:
 2 GO-02 (7.75 x 4")
 3 GO-03 (4.5 x 4")
 1 GO-04 (3 x 4")
 1 GO-05 (22.75 x 4")
 1 LB-07 (11.5 x 3.5")

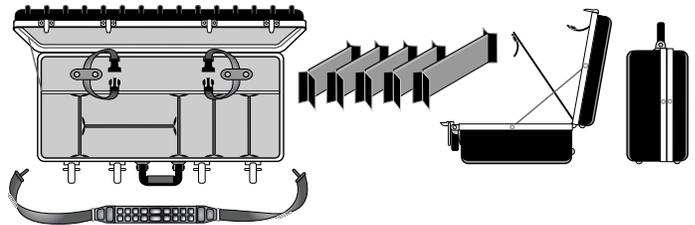


Tota/Omni 83 Case

Code: TO-83
Size: 29.5 x 13 x 7"
 (74.9 x 33 x 17.8 cm)
Weight: 11.5 lbs (5.2 kg)

- High impact molded polyethylene case, hinged lid, with padded shoulder strap (SS-10).

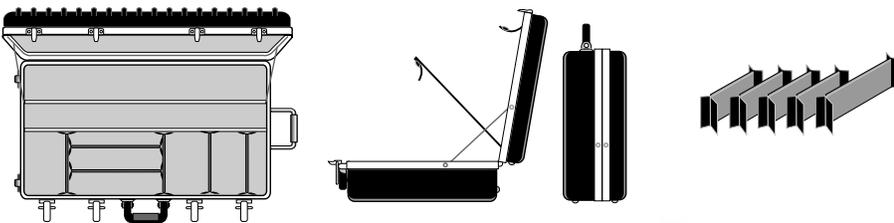
- Compact case more efficiently stores Tota/Omni-lights, Omni-stands and accessories.
- Permanent length-wise partition separates lights from stands.
- All others are movable partitions.
- Accepts the Omni stand.
- Holds 4 Omnis or 4 Totas or combinations which can also include Rifa 44, 55, or 66, Pro & V-lights, plus 4 Omni-stands, with room for accessories (one possible arrangement shown).
- Includes the following partitions:
 1 GO-02 (7.75 x 4")
 3 GO-03 (4.5 x 4")
 2 GO-04 (3 x 4")
 1 LB-07 (11.5 x 3.5")
 1 TO-01 (29.25 x 4")



Tota/Omni 84 Case

Code: TO-84Z
Size: 29.5 x 17 x 7"
 (74.9 x 43.2 x 17.8 cm)
Weight: 15 lbs (6.8 kg)

- High-impact molded polyethylene case, hinged-lid.
- Updated with recessed wheels & pull handle.
- Holds 4 Omni-lights and 2 Totas or 2 Omni-lights and 6 Totas, or a combination of Pro & V-lights, plus Rifa 44, 55, or 66 and 4 or 5 Omni-stands, plus some accessories (one possible partition arrangement shown).
- Includes the following partitions:
 2 GO-02 (7.75 x 4")
 4 GO-03 (4.5 x 4")
 2 GO-04 (3 x 4")
 1 TO-01 (29.25 x 4")



Wheels & Handles

Several of our larger cases are now equipped with a spring-loaded handle and recessed rolling wheels. These include the Tota/Omni 84, Omni 86, Multi Case & Big Scandles Case.

They make transporting some of our larger kits a little easier, especially through airports.



GO 85 Case (GO-85)

Tota/Omni 84 Case (TO-84Z)

Tota/Omni 83 Case (TO-83)

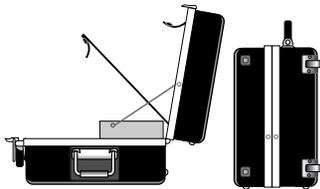
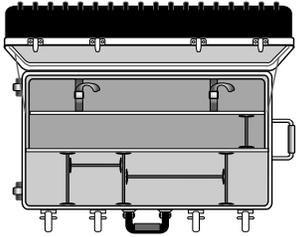


Multi-system Hard Cases w/ Movable Partitions

Omni 86 Case

Code: O1-86Z
Size: 29.5 x 17 x 9.75"
 (74.9 x 43.4 x 24.8 cm)
Weight: 17.5 lbs (8 kg)

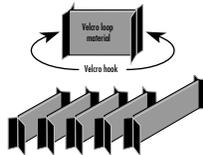
- High-impact molded polyethylene case, hinged lid.
- Holds 4 Omni-lights and 4 Totas, 1 Rifa 44, 55, or 66, plus 6 Omni-stands; or 4 Omni & 2 KS Jr. Stands, and lots of accessories.
- Updated with recessed wheels & handle.
- Includes the following partitions:
 7 GO-01
 2 GO-02
 3 GO-03
 2 LB-07



Movable Velcro Partitions for Lowel Hard Cases

Can be used in various combinations for customizing placement of lights & accessories in GO-85, TO-83, TO-84Z, & O1-86Z.

All have velcro hook material flaps to lock to loop material on case inside walls.



Codes:

GO-01	6 x 4"
GO-02	7.75 x 4"
GO-03	4.5 x 4"
GO-04	3 x 4"
GO-05	22.75 x 4"
LB-04	19.25 x 4"
LB-05	22 x 4.5"
LB-06	7.5 x 4.5"
LB-07	11.5 x 3.5"
TO-01	29.25 x 4"

Padded Strap

Code: SS-10
Size: Maximum length 47" (118 cm)
Weight: 8oz (227g)

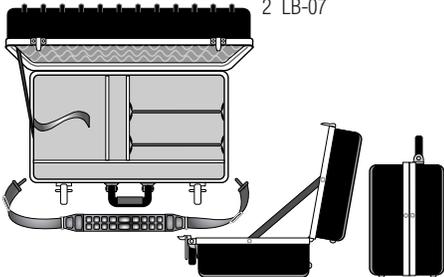
- Air-cushioned strap adjustable length.
- Fits certain hard cases & Lowel Litebags.



DP-Uni Case

Code: DT-83
Size: 23.8 x 13.5 x 10.8"
 (60.4 x 34.3 x 27.3 cm)
Weight: 10 lbs (4.6 kg)

- High impact molded polyethylene case with hinged lid.
- Padded shoulder strap (SS-10).
- Holds 2 Totas, & 1 DP Light, or 2 DP Lights, plus Uni TO Stands, and some accessories.
- Includes the following partitions:
 2 LB-07



Omni 86 Case (O1-86Z)

DP-Uni Case (DT-83)



Tube Cases

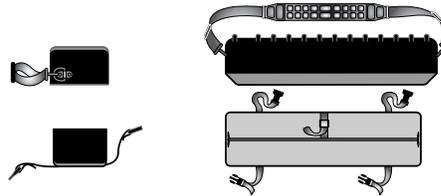
Long, narrow, and easy to sling over the shoulder, some have removable lids & adjustable straps which can allow the case to become "telescopic" in height, to hold more equipment. All Tube Cases come with air-cushion padded adjustable shoulder straps. Consult individual cases for number of lights, stands & accessories they can hold.

V Shoulder Case

Code: V-85
Size: 23.5 x 6.25 x 6.25"
 (59.6 x 15.9 x 15.9 cm)
Weight: 4.75 lbs (2.2 kg)

- High impact molded polyethylene case, with padded shoulder strap (SS-10).
- Includes the following partition: 1 LB-05.

- Separate lid and adjustable straps allow height variation (7.5" max.).
- Holds 2 V-lights or Rifa-44, & Uni or Uni TO stands, and some accessories.
- Can be carried on-the-shoulder or in-hand.

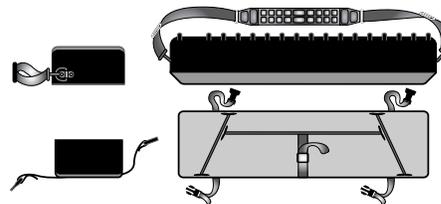


ViP Shoulder Case

Code: ViP-86
Size: 30.75 x 8.5 x 6.5"
 (78.1 x 21.6 x 16.5 cm)
Weight: 7.25 lbs (3.3 kg)

- High impact molded polyethylene case with padded shoulder strap (SS-10).

- Separate lid and adjustable straps allow height variation (7.5" max.).
- Holds 2 V-lights and 2 Pro or i-lights (or 4 V-lights), 4 Uni-stands and accessories.
- Can be carried on-the-shoulder or in-hand.
- Includes the following movable velcro partitions:
 1 LB-04
 2 LB-06



ViP Shoulder Case (ViP-86)

V Shoulder Case (V-85)

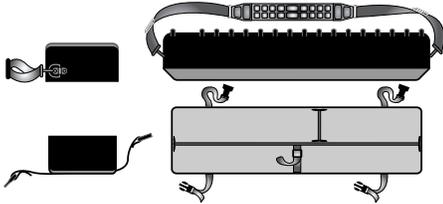


Tube Cases

Tube Case

Code: T1-82
Size: 30.75 x 8.5 x 6.5"
 (78.1 x 21.6 x 16.5 cm)
Weight: 7.5 lbs (3.4 kg)

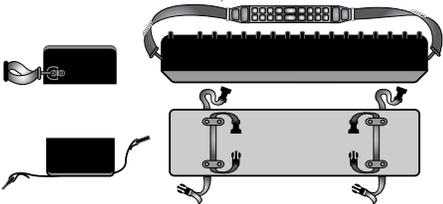
- High-impact molded polyethylene case with padded shoulder strap (SS-10).
- Separate lid and adjustable straps, allow height variation (7.5" max.).
- Holds 4 Totas;
- 3 Omni-stands & a few accessories.
- Can be carried on-the-shoulder or in-hand.
- Includes the following velcro partitions:
 1 GO-04 (3 x 4")
 1 TO-01 (29.25 x 4")



Rifa Small Tube Case

Code: R1-82
Size: 30.75 x 8.5 x 6.5"
 (78.1 x 21.6 x 16.5 cm)
Weight: 6.5 lbs (3 kg)

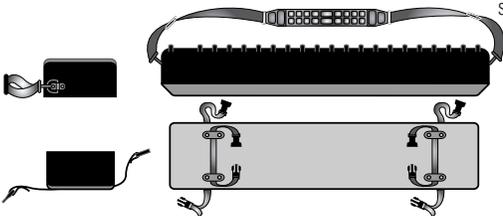
- For Rifa 44, 55 & 66s.
- High impact, molded polyethylene case.
- Padded shoulder strap (SS-10).
- Separate lid and adjustable straps allow height variation (7.5" max.).
- Holds 2 Rifas or Rifa & 1 stand (Uni, TO, Omni, or KS Jr.), plus some accessories.
- Can be carried on the shoulder or in hand.



Rifa Large Tube Case

Code: R1-83
Size: 37.75 x 8.5 x 6.5"
 (95.9 x 21.6 x 16.5 cm)
Weight: 7 lbs (3.2 kg)

- For use with Rifa 88 & smaller.
- High impact, molded polyethylene case.
- Padded shoulder strap (SS-10).
- Separate lid and adjustable straps allow height variation (7.5" max.).
- Holds 2 Rifas or 1 Rifa & 1 KS Stand plus accessories.
- Can be carried on the shoulder or in-hand.



System-specific Hard Cases

Designed specifically for use with certain Lowel lighting systems, these have rigid partitions, positioned to allow most efficient placement of fixtures, accessories & stands. Some also have accessory foam inserts for a more secure fit. Some smaller cases come with air-cushion padded adjustable shoulder straps. Consult individual cases for number of lights, stands & accessories they can hold.

Multi Case

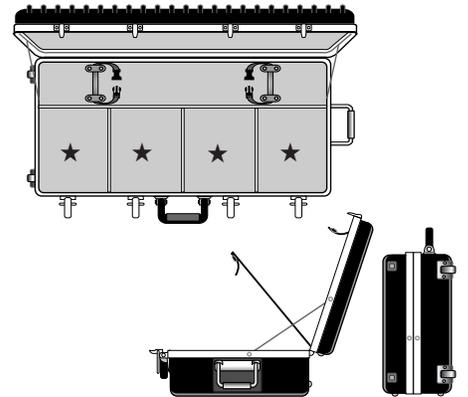
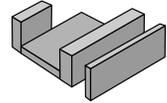
Code: MCSEM
Size: 37.5 x 17.75 x 9"
 (95.3 x 45.1 x 22.9 cm)
Weight: 19 lbs (8.6 kg).

Fren-L Multi Case
Code: MCSEF
 Same as MCSEM with 3 Fren-L Foam inserts.

Rifa Multi Case
Code: MCSEF
 Same as MCSEM but with lengthwise partition only (no short partitions) to hold 4 Rifas (88 or smaller) and 4 stands (KS or smaller).

- High impact, molded polyethylene case, hinged lid.
- Holds Fren-L 650s (with optional foam inserts); holds 4 DPs or 4 Fren-L 650s, & 4 KS Stands.
- Recessed wheels & spring loaded handle.

Fren-L Foam Insert for MCSEM & DT-84M
Code: MCSE4
Size: 8.5 x 3.25 x 8"
 (21.6 x 8.3 x 20.3 cm)
Weight: 2.5 oz (71 g)
 Fits into sections marked with ★



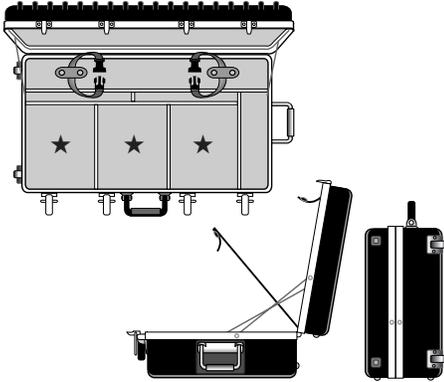
System-specific Hard Cases

DP3 Case

Code: DT-84M
Size: 29.5 x 17 x 9"
 (74.9 x 43.2 x 22.9 cm)
Weight: 15.25 lbs (6.9 kg)

DP3 Fren-L Case
Code: DTF-84
 Same as above with 3 Fren-L Foam inserts.

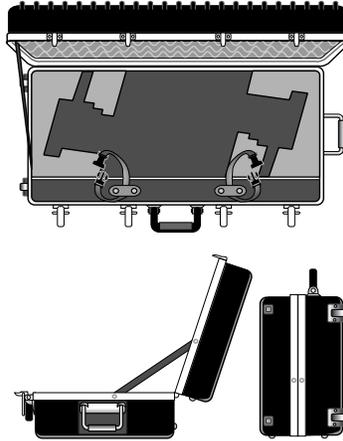
- High impact molded polyethylene case, hinged lid.
- Holds 3 Fren-L 650s or 3 DPs, 2 Totas, plus 4 KS Jr. Stands & accessories.
- Recessed wheels & spring loaded handle.



Big Scandle Case

Code: LSF-82
Size: 37.5 x 17.8 x 10.8"
 (95.3 x 45.1 x 27.3 cm)
Weight: 21 lbs (9.6 kg)

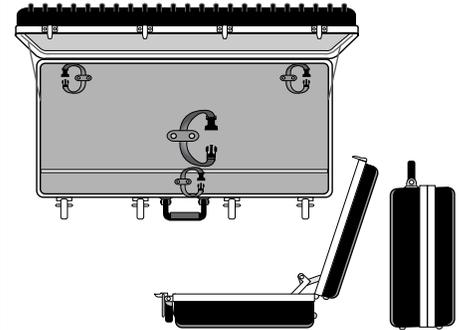
- High impact polyethylene molded case with hinged lid, recessed wheels and rolling handle.
- Holds 2 Lowel Scandles lights in foam insert, plus 2 collapsible cone reflectors & diffusers, 2 KS Jr. Stands, and some accessories.



Full Array Case

Code: A1-86
Size: 37.5 x 17.75 x 7.75"
 (95.3 x 45 x 19.7 cm)
Weight: 15 lbs (6.8 kg)

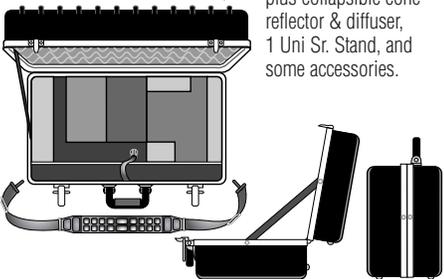
- High-impact molded polyethylene case, hinged lid.
- Holds 1 complete Light-Array; 1 KSA Stand.



Small Scandle Case

Code: LSF-81
Size: 23.8 x 13.5 x 10.8"
 (60.4 x 34.3 x 27.3 cm)
Weight: 9.5 lbs (4.3 kg)

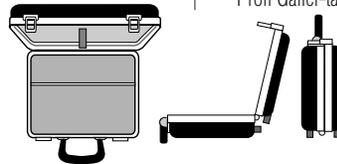
- High impact molded polyethylene case with hinged lid.
- Padded shoulder strap (SS-10).
- Holds 1 Lowel Scandles light in foam insert, plus collapsible cone reflector & diffuser, 1 Uni Sr. Stand, and some accessories.



Lowel-light K5C Case

Code: K5C
Size: 13 x 10 x 4.9"
 (33 x 25.4 x 12.5 cm)
Weight: 2.5 lb (1.13 kg)

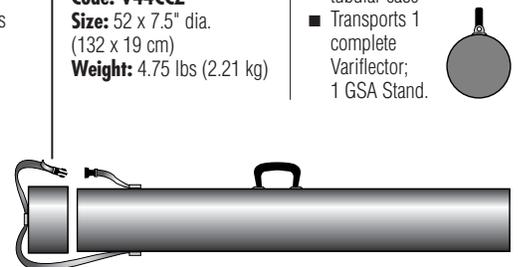
- High impact, molded polyethylene case, hinged lid.
- Holds 5 Lowel-lights (less lamps), 5 complete Barndoors (BR-40), 1 roll Gaffer-tape.



Variflector Case

Code: V44CCZ
Size: 52 x 7.5" dia.
 (132 x 19 cm)
Weight: 4.75 lbs (2.21 kg)

- High-impact Polyethylene tubular case
- Transports 1 complete Variflector; 1 GSA Stand.



Small Scandle Case (LSF-81)

Big Scandle Case (LSF-82)

Full Array Case (A1-86)

Variflector Case (V44CCZ)

Lowel-light K5C Case (K5C)



Lowel Litebags™

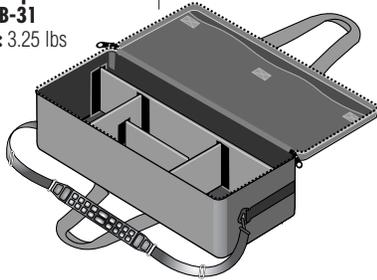
Our original Small & Large Lowel Litebags have velcro partitions for easy versatile arrangement, and a cushioned shoulder strap for comfortable carrying. Litebags now come with your choice of two available partition pacs, for kit combinations with or without Rifa-lite, models 44 or 55. See codes & descriptions. For soft case kits with just Rifas, try the Small & Large Rifa Litebags. They're all a cost effective solution, if you're traveling light.

Small Litebag Soft Case

Code: LB-30
(with Partition Pac LB-32)
Size: 23 x 10.5 x 6.75"
(58.4 x 26.7 x 17.2 cm)
Weight: 4.25 lbs (1.9 kg)

Code: LB-30R
With Partition Pac LB-32R
to also accept Rifa-44.

Without partitions
Code: LB-31
Weight: 3.25 lbs
(1.5 kg)



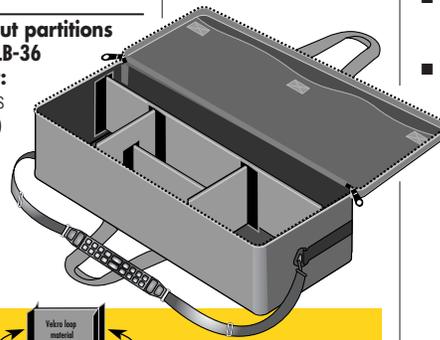
- Made of polyester with vinyl coated backing.
- Padded shoulder strap (SS-10).
- Accepts Rifa-44 (LB-30R only); 2 Pro-lights & 2 V-lights (or 4 Pro-lights), 3 Uni or Uni TO Stands, or 2 Omni-lights, 3 Uni-stands, or 1 Omni, 2 Tota-lights, 3 Uni-stands.
- Storage pocket in lid.

Large Litebag Soft Case

Code: LB-35
(with Partition Pac LB-35)
Size: 30.5 x 11.5 x 8.5"
(77.5 x 29.2 x 21.6 cm)
Weight: 5.7 lbs (2.6 kg)

Code: LB-35R
With Partition Pac LB-37R
or also accept Rifa-44 or 55.

Without partitions
Code: LB-36
Weight: 4.25 lbs
(1.9 kg)



- Made of polyester with vinyl coated backing.
- Padded shoulder strap (SS-10).
- Accepts Rifa 44 or 55 (LB-35R only); 2 Totas, 2 Omnis (or 4 Omnis), 4 Omni-stands & accessories or 3 DPs & 3 KS Jr. stands.
- Storage pocket in lid.

Small Rifa Litebag

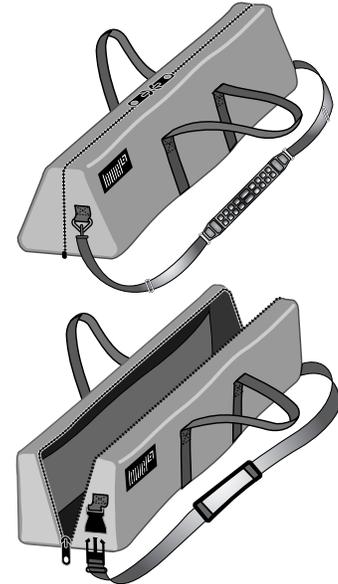
Code: LB-45
Size: (trapezoid shape)
29.5 x 8 x 8.25"
(75 x 21.6 x 21.6 cm)
Weight: 2.5 lbs (1.13 kg)

- Made of polyester with vinyl coated backing.
- Padded shoulder strap (SS-10).
- Accepts 2 Rifas (44 or 55) or 1 Rifa & 1 Uni, Uni TO, or Uni Sr. Stand
- Inside storage pockets.

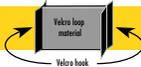
Large Rifa Litebag

Code: LB-40
Size: (trapezoid shape)
36.25 x 8 x 8.25"
(92 x 21 x 21.6 cm)
Weight: 3.3 lbs (1.5 kg)

- Made of polyester with vinyl coated backing.
- Padded shoulder strap (SS-10).
- Accepts 2 Rifa-lites (88 or smaller) & 2 KS stands.
- Inside storage pockets.



Partitions for above Lowel Litebags



Single Partitions

Codes:

GO-02	7.75 x 4"	
GO-03	4.5 x 4"	
GO-04	3 x 4"	
LB-05	22 x 4.5"	
LB-06	7.5 x 4.5"	
LB-07	11.5 x 3.5"	
LB-08	29 X 6"	
LB-09	7.75 x 6"	

Partitions Pacs

Supplied with LB-30

Code: LB-32
Weight: 1.5 lbs (680 g)
Contains: 1 (LB-05), 4 (LB-06), 1 (LB-07)

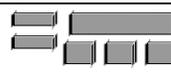


Code: LB-32R
Weight: 2 lbs (900 g)
Contains: 2 (GO-02), 3 (GO-03), 1 (GO-04), 2 (LB-05), 1 (LB-07)

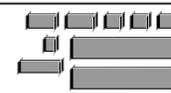


Supplied with LB-35

Code: LB-37
Weight: 2 lbs (900 g)
Contains: 2 (LB-07), 1 (LB-08), 3 (LB-09)



Code: LB-37R
Weight: 2.5 lbs (1.1 kg)
Contains: 2 (GO-02), 3 (GO-03), 1 (GO-04), 1 (LB-07), 2 (LB-08)



Small Litebag Carry Case (LB-30)



Large Litebag Carry Case (LB-35)

Small Rifa Litebag (LB-45)



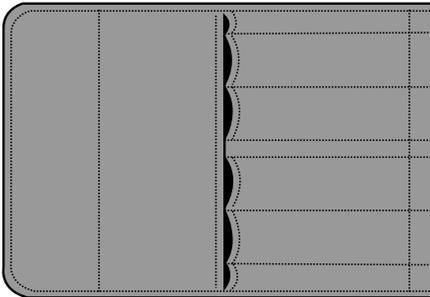
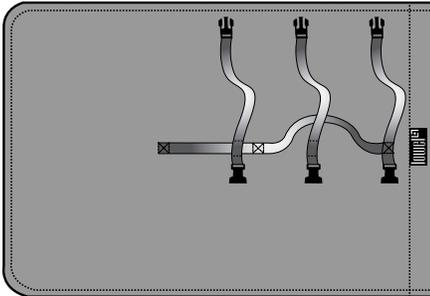
Large Rifa Litebag (LB-40)

Lowel Litebags™

Roll Up Carrier

Code: RU
Size: 52 x 36"
 (132 x 91 cm)
Weight: 3.25 lbs (1.5 kg)

- Heavy-duty reinforced canvas, over-the-shoulder carrier.
- Transports many stands, poles, brellas and gels.



Padded Strap

Code: SS-10
Size: Maximum length
 47" (118 cm)
Weight: 8oz (227g)

- Air-cushioned strap adjustable length.
- Fits certain hard cases & Lowel Litebags.



Hard plastic boxes keep lamps safe for storage and travel. Lampaks do not include lamps.

Weight: 3 oz (85 g)

ViP Lampak

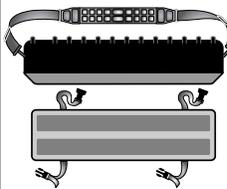


Code: ViP-61
 Stores several Pro, i and V lamps in foam filled plastic case (lamps not included).

Compact Fluorescent Lamp Case

Code: CL-85
Size: 23.5 x 6.25 x 6.25"
 (59.6 x 15.9 x 15.9 cm)
Weight: 5 lbs (2.5 kg)

- High impact molded polyethylene case, with foam inserts & padded shoulder strap (SS-10).



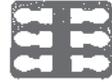
Lampaks

Tota Lampak



Code: T1-61
 Stores 5 Tota lamps in foam filled plastic case (lamps not included).

Omni Lampak



Code: O1-61
 Stores 6 Omni lamps in foam filled plastic case (lamps not included).

Tota/Omni Lampak



Code: T0-61
 Stores 2 Tota, 4 Omni lamps in foam filled plastic case (lamps not included).

DP/Rifa Lampak



Code: D2-61
 Stores 4 DP/Rifa lamps in foam filled plastic case (lamps not included).

DP/Tota Lampak



Code: DT-61
 Stores 2 DP and 2 Tota lamps in foam filled plastic case (lamps not included).

Fren-L Lampak



Code: FR1-61
 Stores 3 Fren-L lamps in foam filled plastic case (lamps not included).

Gel Files



Conveniently organizes & stores pre-cut lighting gels. Made of flexible woven nylon with dividers for different gel colors & diffusion, etc. They also have a clear plastic zippered pocket for storing Gel-Jawz, clothes pins etc.

Tota/Omni Gel File

Code: GF-10
Size: 11 x 13"
 (27.9 x 33 cm)
Weight: 7 oz (198 g)
 Accepts 10 x 12" gels for Tota/Omni gel frame.

DP Gel File

Code: GF-15
Size: 13.3 x 18"
 (33.8 x 45.7 cm)
Weight: 11 oz (312 g)
 Accepts 12 x 16" gels for DP gel frame.

Standard Gel File

Code: GF-20
Size: 21 x 25"
 (53 x 63.5 cm)
Weight: 1.7 lbs (771 g)
 Accepts 20 x 24" industry standard sheet size gels.

Fluorescent Tube Case

Code: A1-87
Size: 52 x 7.5" dia.
 (132 x 19 cm)
Weight: 12.75 lbs (5.8 kg)

- High-impact Polyethylene tubular case.
- Transports 12 4-foot tubes.



Roll Up Carrier (RU)

Compact Fluorescent Lamp Case (CL-85)

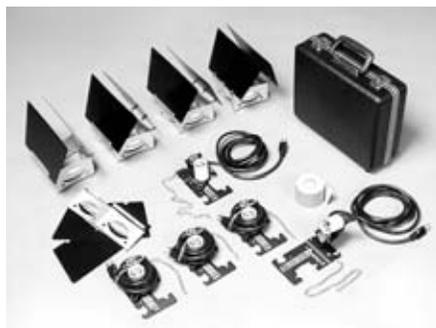
Fluorescent Tube Case (A1-87)



We Were There from the Beginning...

In 1959 Lowel pioneered the location lighting revolution. It has continued to this day, resulting in a world where there are now virtually as many creative options for lighting & control outside the studio as there are inside.

As a result, today all the world truly IS a stage.



From our first kit, the still popular Lowel-light Kit,

we have continued to design & offer location kits featuring lights that are versatile, rugged & dependable, while offering the best in output & light quality. They are supported by dependable Stands & other Mounting Accessories, and finessed with a wide selection of Light Controls.

Choosing a Kit

Each Lowel Kit has been created from one or more of our award winning lighting systems to offer the user a logical selection of lights and components at a savings over individual prices.

Before choosing a kit,

give some thought to size & nature of the lighting setups you are most likely to need to create.

Such as:

- Interviews shot from waist up in a small office;
- Archival copying of flat art & sculpture, all sizes;
- Wedding & Event videography in large reception rooms.

Consult the Lighting Systems section

at the front of the Catalog to choose the most appropriate fixtures based not only on output, but also quality & character of light.

Such as:

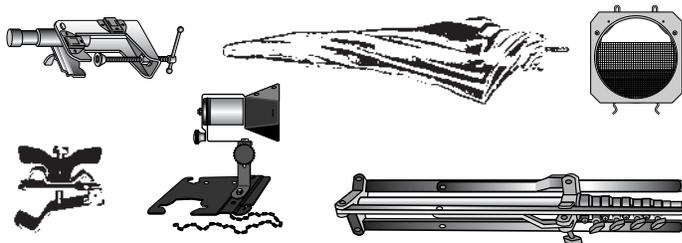
- variable focus
 - dedicated softlight
- Keep in mind that many of the more powerful fixtures can also use lower wattage lamps, increasing their output versatility.

Read "Choosing a Light" in the Resources section at the back of this catalog for more information. Also give consideration to mounting & light control issues that may be particular to your intended use. You can also find answers to questions about these in the Resources section.



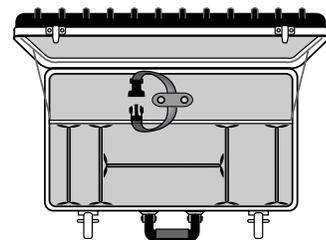
Customizing a Lowel Kit

Many of our kits have room for additional light-controls & mounting accessories; and in some cases, one or more lights and stands. For the number of lights and stands a given hard or soft case will hold, see the Cases section.



Building a Kit

You can also create a Lowel Kit to suit your exact needs. Order an empty case and only the equipment you need. Don't buy more than you expect to use, since supplementing the kit at a later time is simple.



Case Options

Many kits are available with additional hard or soft case options. Suggested options are listed with the particular kit. In addition, some cases can be converted to hold different lights with movable partitions or accessory foam inserts. For case specifications, partitioning, capacity, and foam inserts, see the Cases section.



Lightweight and easy to carry, these popular kits have varying combinations of Pro & V-lights, plus lamps & accessories.

We have updated many ViP & ViP GO Kits, merging them into the combinations presented here. We have also added light controls & mounting accessories to many of the kits to increase their versatility & value.

The smaller kits come with the V-85 or ViP-86 Shoulder Cases, which can be carried in-hand or over-the-shoulder. Their "telescoping" removable lid makes the case expandable.

The majority of the kits come in the GO-85 Case, with its movable velcro partitions for custom kit arrangement. Kits in this case can travel as "carry-on" baggage. Most also come with an air-cushioned carry strap.

All kits have a Litebag soft case option, with movable velcro partitions, as a lightweight cost effective alternative.

If you're looking for even more in a ViP Kit, see the ViP System Plus Kits at the end of this section, which add lights from other Lowel Systems.



GO Intro-kit

Code: VP-98UZ
Size: 23.75 x 13.5 x 7"
 (60.3 x 34.3 x 17.8 cm)
Weight: 28 lbs (12.7 kg)

With LB-30 Soft Case
Code: VP-98ULBZ
Size: 23 x 10.5 x 6.75"
 (58.4 x 26.7 x 17.2 cm)
Weight: 22 lbs (10 kg)

- Contains:**
- 1 V-light (V1-10)
 - 1 500w, 120v lamp (GDA)
 - 2 Pro-lights (P2-10)
 - 2 250w, 120v lamps (GCA)
 - 3 Uni-stands (UN-33)
 - 2 Pro-light 4-way Barndoors (iP-20)
 - 1 Tota-frame (T1-20)
 - 1 iP Gel-frame (iP-40)
 - 1 Assorted Gels (T1-78)
 - 1 Assorted iP Gels (iP-78)
 - 1 Tota-brella (T1-25)
 - 1 Clear Glass (iP-49)
 - 1 iP Diffused Glass & Holder (iP-50H)
 - 1 Tota-clamp (T1-30)
 - 1 Vipod with Stud-link (ViP-35S)
 - 1 ViP Lampak (ViP-61)
 - 1 GO-85 Case

GO Easy V Kit

Code: V1-90UZ
Size: 23.5 x 6.25 x 6.25"
 (59.6 x 15.9 x 15.9 cm)
Weight: 14 lbs (6.4 kg)

With LB-30 Soft Case
Code: V1-90ULBZ
Size: 23 x 10.5 x 6.75"
 (58.4 x 26.7 x 17.2 cm)
Weight: 13.5 lbs (6.1 kg)

- Contains:**
- 2 V-lights (V1-10)
 - 2 500w, 120v lamps (GDA)
 - 2 Uni-stands (UN-33)
 - 1 Tota-brella (T1-25)
 - 1 Tota-frame (T1-20)
 - 1 Assorted Tota Gels (T1-78)
 - 1 ViP Lampak (ViP-61)
 - 1 ViP Shoulder Case (V-85)

With GO-85 Case
Code: V1-90USZ
Size: 23.75 x 13.5 x 7"
 (60.3 x 34.3 x 17.8 cm)
Weight: 19.5 lbs (9 kg)

GO Pro-visions Kit

Code: GO-92Z
Size: 23.75 x 13.5 x 7"
 (60.3 x 34.3 x 17.8 cm)
Weight: 21 lbs (9.5 kg)

With LB-30 Soft Case
Code: GO-92LBZ
Size: 23 x 10.5 x 6.75"
 (58.4 x 26.7 x 17.2 cm)
Weight: 15 lbs (6.8 kg)

- Contains:**
- 2 Pro-lights (P2-10)
 - 2 250w, 120v lamps (GCA)
 - 2 Pro-light 4-way Barndoors (iP-20)
 - 2 Uni-stands (UN-33)
 - 1 iP Gel Frame (iP-40)
 - 1 iP Assorted Gels (iP-78)
 - 1 Tota-brella (T1-25)
 - 1 ViP Lampak (ViP-61)
 - 1 GO-85 Case



ViP Kits

GO Jet Set Kit

Code: VP-97UZ
Size: 23.75 x 13.5 x 7"
 (60.3 x 34.3 x 17.8 cm)
Weight: 27 lbs (12.3 kg)

With LB-30 Soft Case
Code: VP-97ULBZ
Size: 23 x 10.5 x 6.75"
 (58.4 x 26.7 x 17.2 cm)
Weight: 21 lbs (9.5 kg)

- Contains:**
- 2 V-lights (V1-10)
 - 2 500w, 120v lamps (GDA)
 - 1 Pro-light (P2-10)
 - 1 250w, 120v lamp (GCA)
 - 3 Uni-stands (UN-33)
 - 1 Pro-light 4-way Barndoor (iP-20)
 - 1 Tota frame (T1-20)
 - 1 Assorted Tota Gels (T1-78)
 - 1 Tota-brella (T1-25)
 - 1 Tota-brella (T1-26)
 - 1 Clear Glass (iP-49)
 - 1 iP Diffused Glass & Holder (iP-50H)
 - 1 Vipod with Stud-link (ViP-35S)
 - 1 Tota-clamp (T1-30)
 - 1 ViP Lampak (ViP-61)
 - 1 GO-85 Case



GO All Pro Kit

Code: P1-93UZ
Size: 23.75 x 13.5 x 7"
 (60.3 x 34.3 x 17.8 cm)
Weight: 29 lbs (13.2 kg)

With LB-30 Soft Case
Code: P1-93ULBZ
Size: 23 x 10.5 x 6.75"
 (58.4 x 26.7 x 17.2 cm)
Weight: 23 lbs (10.5 kg)

- Contains:**
- 3 Pro-lights (P2-10)
 - 3 250w, 120v lamps (GCA)
 - 3 Pro-light 4-way Barndoors (iP-20)
 - 3 Uni-stands (UN-33)
 - 2 iP Gel-frames (iP-40)
 - 1 Assorted iP Gels (iP-78)
 - 1 Tota-brella (T1-25)
 - 1 Tota-brella (T1-26)
 - 1 Clear Glass (iP-49)
 - 1 Swing in Diffuser (iP-50H)
 - 1 Swing-in Full Scrim (iP-54H)
 - 1 Swing-in Half Scrim (iP-55H)
 - 1 Vipod with Stud-link (ViP-35S)
 - 1 Tota-clamp (T1-30)
 - 1 ViP Lampak (ViP-61)
 - 1 GO-85 Case



ViP System Plus Kits

These add additional fixtures, lamps & accessories creating easy to carry kits with more advanced abilities.

The ViP DV Core Kits add compact, quick setup, ultra-soft Rifa-lites to complement the abilities of the ViP System.

Choose the DV Core 250 Kit to add a 250w Rifa-44 or the DV Core 500 Kit which adds the 500w Rifa-55, along with gel frames & gels, for a compact kit with big possibilities. All ViP Kits come with lamps.

DV Core 250 Kit

Code: DVC-91
Size: 23.75 x 13.5 x 7"
 (60.3 x 34.3 x 17.8 cm)
Weight: 27 lbs (12.25 kg)

With TO-83 Case
Code: DVC-913
Weight: 28 lbs (12.8 kg)

With LB-30R Soft Case
Code: DVC-91LB
Weight: 21 lbs (9.5 kg)

- Contains:**
- 1 Pro-light (P2-10)
 - 1 250w, 120v lamp (GCA)
 - 1 Pro-light 4-way barndoors (iP-20)
 - 1 V-light (V1-10)
 - 1 500w, 120v lamp (GDA)
 - 1 Rifa-lite 44 (LC-44)
 - 1 250w, 120v lamp (GCA)
 - 2 Uni-stands (UN-33)
 - 1 Uni TO Stand (UN-55)
 - 1 Tota Frame (T1-20)
 - 1 Tota-brella (T1-25)
 - 1 Pro & i Gel Frame (iP-40)
 - 1 iP-Gels (iP-78)
 - 1 Assorted Gels (T1-78)
 - 1 Clear Glass (iP-49)
 - 1 iP Swing-in Diffuser (iP-50H)
 - 1 ViP-Lampak (ViP-61)
 - 1 GO-85 Case



DV Core 500 Kit

Code: DVC-92
Size: 23.75 x 13.5 x 7" (60.3 x 34.3 x 17.8 cm)
Weight: 31 lbs (14 kg)

With LB-35R Soft Case
Code: DVC-92LB
Size: 30.5 x 11.5 x 8.5"
 (77.5 x 29.2 x 21.6 cm)
Weight: 25 lbs (11.5 kg)

- Contains:**
- 1 Pro-light (P2-10)
 - 1 Pro-light 4-way barndoor (iP-20)
 - 1 250w, 120v lamp (GCA)
 - 1 V-light, (V1-10)
 - 1 500w, 120v lamp (GDA)
 - 1 Rifa-lite 55 (LC-55)
 - 1 500w, 120v lamp (EHC)
 - 2 Uni-stands (UN-33)
 - 1 KS Jr. Stand (DT-33)
 - 1 Tota Frame (T1-20)
 - 1 Tota-brella (T1-25)
 - 1 Assorted Gels (T1-78)
 - 1 Pro & i Gel Frame (iP-40)
 - 1 iP-Gels (iP-78)
 - 1 Clear Glass (iP-49)
 - 1 iP Swing-in Diffuser (iP-50H)
 - 1 ViP Lampak (ViP-61)
 - 1 DP/Rifa Lampak (D2 -61)
 - 1 TO-83 Case

ViP System Plus Kits

The DV Pro Kits are the most versatile of the ViP System Plus Kits.

They not only add more V & Pro lights, but also a Rifa-44 or Rifa-55 for beautiful soft light that sets up effortlessly in 60 seconds. We've also included lamps and an impressive collection of light control & mounting accessories to give you the creative tools you need. DV Pro Kits come with lamps.

DV Pro 44 Kit

Code: DVP-94

Size: 29.5 x 17 x 7"
(74.9 x 43.2 x 17.8 cm)

Weight: 46 lbs (21 kg)

With LB-35R Soft Case

Code: DVP-94LB

Size: 30.5 x 11.5 x 8.5"
(77.5 x 29.2 x 21.6 cm)

Weight: 37 lbs (16.7 kg)

- Contains:**
- 2 Pro-lights (P2-10)
 - 2 Pro-light 4-way barndoors (iP-20)
 - 2 250w, 120v lamps (GCA)
 - 2 V-light (V1-10)
 - 2 500w, 120v lamps (GDA)
 - 1 Rifa-lite 44 (LC-44)
 - 1 250w, 120v lamp (GCA)
 - 1 Tota Frame (T1-20)
 - 1 Tota-brella (T1-25)
 - 1 Tota-brella (T1-26)
 - 4 Uni Stands (UN-33)
 - 1 Uni TO Stand (UN-55)
 - 1 Assorted Gels (T1-78)
 - 1 Pro & i Gel Frame (iP-40)
 - 1 iP Assorted Gels (iP-78)
 - 1 Clear Glass (iP-49)
 - 1 iP-Swing in Diffuser (iP-50h)
 - 1 iP-Swing in Full Scrim (iP-54)
 - 1 iP-Swing in Half Scrim (iP-55)
 - 1 Flag Link (ViP-50)
 - 1 Flexi-shaft Pkg. (2) (T1-50)
 - 1 Tota-flag (T1-52)
 - 1 Tota-Flector (T1-54)
 - 1 Tota-tatch (T1-34)
 - 1 Tota-clamp (T1-30)
 - 1 Tota-mount (T1-32)
 - 1 Vipod with Stud-link (ViP-35S)
 - 1 Lobo (F1-30)
 - 1 Lobo Arm (F1-40)
 - 2 ViP Lampak (ViP-61)
 - 1 Tota/Omni Case (TO-84Z)



DV Pro 55 Kit

Code: DVP-95

Size: 29.5 x 17 x 7"
(74.9 x 43.2 x 17.8 cm)

Weight: 49 lbs (22.3 kg)

With LB-35R Soft Case

Code: DVP-95LB

Size: 30.5 x 11.5 x 8.5"
(77.5 x 29.2 x 21.6 cm)

Weight: 40 lbs (18 kg)

- Contains:**
- 2 Pro-lights (P2-10)
 - 2 Pro 4 way Barndoors (iP-20)
 - 2 250w, 120v lamps (GCA)
 - 2 V-lights (V1-10)
 - 2 500w, 120v lamps (GDA)
 - 1 Rifa-lite 55 (LC-55)
 - 1 500w, 120v lamp (EHC)
 - 1 Tota Frame (T1-20)
 - 1 Tota-brella (T1-25)
 - 1 Tota-brella (T1-26)
 - 4 Uni Stands (UN-33)
 - 1 KS Jr. Stand (DT-33)
 - 1 Assorted Gels (T1-78)
 - 1 Pro & i Gel Frame (iP-40)
 - 1 iP-Gels (iP-78)
 - 1 Clear Glass (iP-49)
 - 1 iP Swing-in Diffuser (iP-50h)
 - 1 iP Swing-in Full Scrim (iP-54)
 - 1 iP Swing-in Half Scrim (iP-55)
 - 1 Flag Link (ViP-50)
 - 1 Flexi-shaft Pkg. (2) (T1-50)
 - 1 Tota-flag (T1-52)
 - 1 Tota-Flector (T1-54)
 - 1 Tota-tatch (T1-34)
 - 1 Tota Clamp (T1-30)
 - 1 Tota-mount (T1-32)
 - 1 Vipod with Stud-link (ViP-35S)
 - 1 Lobo (F1-30)
 - 1 Lobo Arm (F1-40)
 - 2 ViP-Lampaks (ViP-61)
 - 1 DP/Rifa Lampak (D2-61)
 - 1 Tota/Omni Case (TO-84Z)



These classic Lowel workhorse kits have continually been among our most popular. Tota Kits feature the 180° broad throw Tota which quickly converts to soft key or fill by using a reflective umbrella.

Omni Kits feature the 500w focusable Omni, with & without accessories. Tota/Omni Kits feature varying combinations of Totas, Omnis, with accessories. Check the Tota/Omni System Plus Kits for Core

Kits that add a quick set-up Rifa soft light and accessories for added versatility. All Tota/Omni Kits now come with lamps.

Tota-light Kits



GO Tube Kit

Code: T1-90Z
Size: 30.75 x 8.5 x 6.5"
 (78.1 x 21.6 x 6.5 cm)
Weight: 19 lbs (8.6 kg)

With TO-83 Case
Code: T1-903Z
Size: 29.5 x 13 x 7"
 (74.9 x 33 x 17.8 cm)
Weight: 23 lbs (10.45 kg)

With LB-35 Soft Case
Code: T1-90LBZ
Size: 30.5 x 11.5 x 8.5"
 (77.5 x 29.2 x 21.6 cm)
Weight: 13 lbs (6 kg)

Contains:
 2 Tota-lights (T1-10)
 2 750w, 120v lamps (EMD)
 2 Omni-stands (O1-33)
 1 Tota-brella (T1-25)
 1 Tota-frame (T1-20)
 1 Assorted Gels (T1-78)
 1 Tota Lampak (T1-61)
 1 Tube Case (T1-82)



TO GO 95 Kit

Code: GO-95Z
Size: 23.75 x 13.5 x 7"
 (60.3 x 34.3 x 17.8 cm)
Weight: 22 lbs (10 kg)

With LB-30 Soft Case
Code: GO-95LBZ
Size: 23 x 10.5 x 6.75"
 (58.4 x 26.7 x 17.2 cm)
Weight: 16 lbs (7.2 kg)

Contains:
 2 Tota-lights (T1-10)
 2 750w, 120v lamps (EMD)
 2 Uni TO Stands (UN-55)
 1 Tota-brella (T1-25)
 1 Tota-frame (T1-20)
 1 Assorted Gels (T1-78)
 1 Tota Lampak (T1-61)
 1 GO-85 Case



Trans-kit

Code: T1-923Z
Size: 29.5 x 13 x 7"
 (74.9 x 33 x 17.8 cm)
Weight: 29 lbs (13.2 kg)

With LB-35 Soft Case
Code: T1-923LBZ
Size: 30.5 x 11.5 x 8.5"
 (77.5 x 29.2 x 21.6 cm)
Weight: 23.25 lbs (10.6 kg)

Contains:
 3 Tota-lights (T1-10)
 3 750w, 120v lamps (EMD)
 3 Omni-stands (O1-33)
 3 Tota-brellas (T1-25)
 1 Tota Lampak (T1-61)
 1 Tota/Omni Case (TO-83)

Omni-light Kits

Omni 3 Kit

Code: O1-93Z
Size: 29.5 x 17 x 7"
 (74.9 x 43.2 x 17.8 cm)
Weight: 37 lbs (16.8 kg)

With LB-35 Soft Case
Code: O1-93LBZ
Size: 30.5 x 11.5 x 8.5"
 (77.5 x 29.2 x 21.6 cm)
Weight: 31 lbs (14.2 kg)

Contains:
 3 Omni-lights, (O1-10)
 3 500w, 120v lamps (FTK)
 3 Omni-stands (O1-33)
 3 Omni-Barndoors (O1-20)
 2 Full Scrim (O1-54)
 1 Half Scrim (O1-55)
 1 Tota-brella (T1-25)
 3 Tota-frames, T1-20)
 2 Assorted Gels (T1-78)
 1 Tota-mount (T1-32)
 1 Tota-clamp (T1-30)
 1 12-yard roll Gaffer-tape (GT-12)
 1 Omni Lampak (O1-61)
 1 Tota/Omni Case (TO-84Z)



Omni-light Kits



TO GO 96 Kit

Code: GO-96Z

Size: 23.75 x 13.50 x 7"
(60.3 x 34.3 x 17.8 cm)
Weight: 24 lbs (10.7 kg)

With LB-30 Soft Case

Code: GO-96LBZ

Size: 23 x 10.5 x 6.75"
(58.4 x 26.7 x 17.2 cm)
Weight: 17.75 lbs (8 kg)

Contains:

- 2 Omni-lights (01-10)
- 2 Omni Barndoors (01-20)
- 2 500w, 120v Lamps (FTK)
- 1 Tota-frame (T1-20)
- 1 Assorted Gels (T1-78)
- 1 Tota-brella (T1-25)
- 2 Uni TO Stands (UN-55)
- 1 Omni Lampak (01-61)
- 1 GO-85 Case



Action Kit

Code: 01-92Z

Size: 29.5 x 17 x 7"
(74.9 x 43.2 x 17.8 cm)
Weight: 33 lbs (15 kg)

With TO 83 Case

Code: 01-923Z

Size: 29.5 x 13 x 7"
(74.9 x 33 x 17.8 cm)
Weight: 30 lbs (13.4 kg)

With LB-35 Soft Case

Code: 01-92LBZ

Size: 30.5 x 11.5 x 8.5"
(77.5 x 29.2 x 21.6 cm)
Weight: 24 lbs (10.8 kg)

Contains:

- 3 Omni-lights (01-10)
- 3 500w, 120v lamps (FTK)
- 3 Omni-stands (01-33)
- 3 Omni Barndoors (01-20)
- 1 Omni Lampak (01-61)
- 1 Tota/Omni Case (TO-84Z)



Omni 4 Kit

Code: 01-95Z

Size: 29.5 x 17 x 9.75"
(74.9 x 43.2 x 24.8 cm)
Weight: 43 lbs (19.5 kg)

With TO 83 Case

Code: 01-953Z

Size: 29.5 x 13 x 7"
(74.9 x 33 x 17.8 cm)
Weight: 37 lbs (16.8 kg)

Contains:

- 4 Omni-lights (01-10)
- 4 500w, 120v lamps (FTK)
- 4 Omni-stands (01-33)
- 4 Omni Barndoors (01-20)
- 1 Omni Lampak (01-61)
- 1 Omni Case (01-86Z)

Tota/Omni Kits



TO GO 97 Kit

Code: GO-97Z

Size: 23.75 x 13.50 x 7"
(60.3 x 34.3 x 17.8 cm)
Weight: 28 lbs (12.7 kg)

With LB-30 Soft Case

Code: GO-97LBZ

Size: 23 x 10.5 x 6.75"
(58.4 x 26.7 x 17.2 cm)
Weight: 22 lbs (10 kg)

Contains:

- 2 Tota-lights (T1-10)
- 2 750w, 120v lamps (EMD)
- 1 Omni-light (01-10)
- 1 Omni Barndoor (01-20)
- 2 500w, 120v lamps (FTK)
- 1 Tota-frame (T1-20)
- 1 Assorted Gels (T1-78)
- 1 Tota-brella (T1-25)
- 1 Omni Full Scrim (01-54)
- 3 Uni TO Stands (UN-55)
- 1 Tota/Omni Lampak (TO-61)
- 1 GO-85 Case

TO GO 98 Kit

Code: GO-98Z

Size: 23.75 x 13.50 x 7"
(60.3 x 34.3 x 17.8 cm)
Weight: 29 lbs (13.2 kg)

With LB-30 Soft Case

Code: GO-98LBZ

Size: 23 x 10.5 x 6.75"
(58.4 x 26.7 x 17.2 cm)
Weight: 23 lbs (10.5 kg)

Contains:

- 2 Omni-lights (01-10)
- 2 Omni Barndoors (01-20)
- 2 500w, 120v lamps (FTK)
- 1 Tota-light (T1-10)
- 1 750w, 120v lamp (EMD)
- 2 Tota-frames (T1-20)
- 1 Assorted Gels (T1-78)
- 1 Tota-brella (T1-25)
- 1 Omni Full Scrim (01-54)
- 1 Omni Diffused Glass (01-50)
- 3 Uni TO Stands (UN-55)
- 1 Tota/Omni Lampak (TO-61)
- 1 GO-85 Case (GO-85)



Tota/Omni Kits



Ambi Kit*

Code: TO-95Z

Size: 29.5 x 17 x 7"
(74.9 x 43.2 x 17.8 cm)

Weight: 43 lbs (19.5 kg)

Contains:

- 2 Tota-lights (T1-10)
- 2 750w, 120v lamps (EMD)
- 2 Omni-lights (O1-10)
- 2 500w, 120v lamps (FTK)

- 4 Omni stands (O1-33)
- 2 Omni Barndoors (O1-20)
- 2 Full Scrim (O1-54)
- 1 Half Scrim (O1-55)
- 2 Tota-brellas (T1-25)
- 4 Tota-frames (T1-20)
- 2 Assorted Gels (T1-78)
- 2 Tota-flags (T1-52)
- 1 Tota-flector (T1-54)
- 4 Flexi-shafts 2 pkgs (T1-50)
- 1 Tota-tatch (T1-34)
- 1 Tota-mount (T1-32)
- 2 Tota-clamps (T1-30)
- 1 12-yard roll Gaffer-tape (GT-12)
- 2 Tota/Omni Lampaks (TO-61)
- 1 Tota/Omni Case (TO-84Z)

*also available—Super Ambi Kit. See page 65



Solo Kit

Code: TO-96Z

Size: 29.5 x 17 x 9.75"
(74.9 x 43.2 x 24.8 cm)

Weight: 65 lbs (29.5 kg)

Contains:

- 2 Tota-lights (T1-10)
- 2 750w, 120v lamps (EMD)
- 4 Omni-lights (O1-10)
- 4 500w, 120v lamps (FTK)
- 2 #3 Superspot Reflectors (O1-17)

- 5 Omni-stands (O1-33)
- 4 Omni Barndoors (O1-20)
- 2 Diffused Glass (O1-50)
- 2 Full Scrim (O1-54),
- 2 Half Scrim (O1-55),
- 1 Graduated Scrim (O1-56)
- 1 Cookaloris (O1-57)
- 3 Tota-brellas (T1-25)
- 6 Tota-frames (T1-20)
- 3 Assorted Gels (T1-78)
- 1 Lightflector with Tilter (LFT)
- 4 Tota-flags (T1-52)
- 1 Tota-flector (T1-54)
- 4 Flexi-shafts (2 pkgs) (T1-50)
- 1 Tota-mount (T1-32)
- 2 Tota-clamps (T1-30)
- 1 Large Space Clamp (SC-10)
- 2 Tota-tatches (T1-34)
- 2 Scissor-mounts (CM-20)
- 1 12-yard roll Gaffer-tape (GT-12)
- 2 Screw-in Studs 1 pkg (LSS)
- 2 Tota/Omni Lampaks (TO-61)
- 1 Omni Case (O1-86Z)

Tota/Omni System Plus Kits

Combining the focusing ability of the Omni-light and the broad throw of the Tota-light with the quick set-up Rifa-lite soft source, has created the Tota/Omni Core Kits.

There are now 2 to choose from, with either 250w Rifa-44, or 500w Rifa-55. Both have also been enhanced with added light control & mounting accessories, plus they now come with lamps.

Tota/Omni Core 44 Kit

Code: TOR-94

Size: 23.75 x 13.5 x 7"
(60.3 x 34.3 x 17.8 cm)

Weight: 30 lbs (13.6 kg)

With TO-83 Case

Code: TOR-94B

Size: 29.5 x 13 x 7"
(74.9 x 33 x 17.8 cm)

Weight: 31 lbs (14.2 kg)

With LB-35R Soft Case

Code: TOR-94LB

Size: 30.5 x 11.5 x 8.5"
(77.5 x 29.2 x 21.6 cm)

Weight: 24 lbs (10.9 kg)

Contains:

- 1 Tota-light (T1-10),
- 1 750w, 120v lamp (EMD)
- 1 Omni-light (O1-10)
- 1 Omni Barndoor (O1-20)
- 1 500w, 120v lamp (FTK)
- 1 Rifa-lite 44 (LC-44)
- 1 250w, 120v lamp (GCA)
- 3 Uni TO Stands (UN-55)
- 1 Tota Frame (T1-20)
- 1 Tota-brella (T1-25)
- 1 Assorted Gels (T1-78)
- 1 Tota-clamp (T1-30)
- 1 Tota-mount (T1-32)
- 1 Omni Diffused Glass (O1-50)
- 2 Tota-shades (T1-21)
- 1 Tota/Omni Lampak (TO-61)
- 1 ViP Lampak (ViP-61)
- 1 GO 85 Case (GO-85)





Elemental Kit

Code: TO-983Z
Size: 29.5 x 13 x 7"
 (74.9 x 33 x 17.8 cm)
Weight: 31 lbs (14.1 kg)

With LB-35 Soft Case
Code: TO-98LBZ
Size: 30.5 x 11.5 x 8.5"
 (77.5 x 29.2 x 21.6 cm)
Weight: 25 lbs (11.5 kg)

- Contains:**
- 1 Tota-light, (T1-10)
 - 1 750w, 120v lamp (EMD)
 - 2 Omni-lights, (O1-10)
 - 2 500w, 120v lamp (FTK)
 - 3 Omni-stands (O1-33)
 - 2 Omni Barndoors (O1-20)
 - 1 Full Scrim (O1-54)
 - 1 Omni Diffused Glass (O1-50)
 - 1 Tota-brella (T1-25)
 - 2 Tota-frames (T1-20)
 - 1 Assorted Gels (T1-78)
 - 1 Tota/Omni Lampak (TO-61)
 - 1 Tota/Omni Case (TO-83)



Basically 3 Kit

Code: TO-973Z
Size: 29.5 x 13 x 7"
 (74.9 x 33 x 17.8 cm)
Weight: 30 lbs (13.6 kg)

- With LB-35 Soft Case**
Code: TO-973LBZ
Size: 30.5 x 11.5 x 8.5"
 (77.5 x 29.2 x 21.6 cm)
Weight: 24 lbs (11 kg)
- Contains:**
- 2 Tota-lights (T1-10)
 - 2 750w, 120v lamps (EMD)
 - 1 Omni-light (O1-10)
 - 1 500w, 120v lamp (FTK)
 - 3 Omni-stands (O1-33)
 - 1 Omni Barndoor (O1-20)
 - 1 Full Scrim (O1-54)
 - 2 Tota-brellas (T1-25)
 - 1 Tota-frame (T1-20)
 - 1 Assorted Gels (T1-78)
 - 1 Tota/Omni Lampak (TO-61)
 - 1 Tota/Omni Case (TO-83)



Tota/Omni Core 55 Kit

Code: TOR-95Z
Size: 29.5 x 13 x 7"
 (74.9 x 33 x 17.8 cm)
Weight: 34 lbs (15.5 kg)

With LB-35R Soft Case
Code: TOR-95LBZ
Size: 30.5 x 11.5 x 8.5"
 (77.5 x 29.2 x 21.6 cm)
Weight: 28 lbs (12.8 kg)

- Contains:**
- 1 Tota-light (T1-10)
 - 1 750w, 120v lamp (EMD)
 - 1 Omni-light (O1-10)
 - 1 Omni Barndoor (O1-20)
 - 1 500w, 120v lamp (FTK)
 - 1 Rifa-lite 55 (LC-55)
 - 1 500w, 120v lamp (EHC)
 - 1 Omni Diffuse Glass (O1-52)
 - 1 T/O Assorted Gels (T1-78)
 - 2 Omni-stands (O1-33)
 - 1 KS Jr. Stand (DT-33)
 - 1 Tota Frame (T1-20)
 - 2 Tota-shades (T1-21)
 - 1 Tota-brella (T1-25)
 - 1 Tota-clamp (T1-30)
 - 1 Tota-mount (T1-32)
 - 1 Tota/Omni Lampak (TO-61)
 - 1 DP/Rifa Lampak (D2-61)
 - 1 Tota/Omni 83 Case (TO-83)



DP Light Kits

The high output, variable focus, DP Light is available in a wide range of kit possibilities. There are 4 DP Kits with various combinations of DP's' and accessories, including lamps. 3 of them are housed with KS Stands in the rugged & spacious Multi Case,

the 4th with KS Jr. Stands in the more compact DP3 Case.

In addition, the DP System Plus Kits feature 3 DP&T Kits which combine the focusing ability of the DP with the wide angle throw of Tota-lights, now upgraded with

added light control & mounting accessories, plus lamps. These kits are further enhanced with the 60 second set-up & beautiful output of the Rifa softlight, and range from the extremely compact Mini DP&T Kit to the big DP Super Remote Kit.

Close Quarters Kit

Code: D2-97Z
Size: 37.5 x 17.75 x 9"
 (95.3 x 45.1 x 22.9 cm)
Weight: 57 lbs (25.9 kg)

- Contains:**
- 4 DP Lights (D2-10)
 - 4 1000w, 120v lamps (FEL)
 - 4 KS Stands (KS)
 - 1 #3 Superspot Reflector (D2-17)
 - 4 DP Barndoors (D2-20)
 - 2 Full Scrims (D2-54)
 - 1 Half Scrim (D2-55)
 - 1 Graduated Scrim (D2-56)
 - 2 DP Frames (D2-24)
 - 1 Mixed Gels (D2-78)
 - 1 Day Blue Gels (D2-70)
 - 1 Large Space-clamp (SC-10)
 - 1 DP Lampak (D2-61)
 - 1 Multi Case (MCSEM)



DP 3 Kit

Code: D2-93Z
Size: 37.5 x 17.75 x 9"
 (95.3 x 45.1 x 22.9 cm)
Weight: 45 lbs (20.5 kg)

- Contains:**
- 3 DP Lights (D2-10)
 - 3 120v 1000w lamps (FEL)
 - 3 KS Stands (KS)
 - 3 DP Barndoors (D2-20)
 - 1 DP Lampak (D2-61)
 - 1 Multi Case (MCSEM)

DP3 Jr. Kit

Code: DPT-93Z
Size: 29.5 x 17 x 9"
 (74.9 x 43.2 x 22.9 cm)
Weight: 47 lbs (21.4 kg)

- Contains:**
- 3 DP Lights (D2-10)
 - 3 DP Barndoors (D2-20)
 - 3 1000w, 120v lamps (FEL)
 - 3 KS Jr. Stands (DT-33)
 - 2 DP-brella (D2-25)
 - 1 Lobo (F1-30)
 - 1 Tota Clamp (T1-30)
 - 1 DP Diffused Glass (D2-50)
 - 1 DP Full Scrim (D2-54)
 - 1 DP Graduated Scrim (D2-56)
 - 1 DP Frame (D2-24)
 - 1 DP Mixed Gel (D2-78)
 - 1 Large Space Clamp (SC-10)
 - 1 DP Lampak (D2-61)
 - 1 DP3 Case (DT-84M)



DP 4 Kit

Code: D2-94Z
Size: 37.5 x 17.75 x 9"
 (95.3 x 45.1 x 22.9 cm)
Weight: 54 lbs (24.5 kg)

- Contains:**
- 4 DP Lights (D2-10)
 - 4 1000w, 120v lamps (FEL)
 - 4 KS Stands (KS)
 - 4 DP Barndoors (D2-20)
 - 1 DP Lampak (D2-61)
 - 1 Multi Case (MCSEM)

DP System Plus Kits

Mini-DP&T Kit

Code: DPT-90Z
Size: 23.8 x 13.5 x 10.8"
 (60.4 x 34.3 x 27.3 cm)
Weight: 31 lbs (14.1 kg)

- Contains:**
- 1 DP Light (D2-10)
 - 1 DP Barndoors (D2-20)
 - 1 1000w, 120v lamp (FEL)
 - 2 Tota-lights (T1-10)
 - 2 750w, 120v lamps (EMD)
 - 1 Tota Frame (T1-20)
 - 2 Tota Shades (T1-21),
 - 1 Assorted Gels (T1-78)
 - 1 Tota Clamp (T1-30)
 - 1 Tota-brella (T1-25)
 - 1 DP Diffused Glass (D2-50)
 - 1 DP Frame (D2-24)
 - 1 DP Mixed Gels (D2-78)
 - 1 Uni Sr. Stands (UN-66)
 - 2 Uni TO Stands (UN-55)
 - 1 DP/Tota Lampak (DT-61)
 - 1 DP-Uni Case (DT-83)



DP&T-91 Kit

Code: DPT-91Z
Size: 29.5 x 17 x 9"
 (74.9 x 43.2 x 22.9 cm)
Weight: 42 lbs (19.1 kg)

- Contains:**
- 1 DP Light (D2-10)
 - 1 DP Barndoors (D2-20)
 - 1 1000w, 120v lamp (FEL)
 - 2 Tota-lights (T1-10)
 - 2 750w, 120v lamps (EMD)
 - 2 Tota-shades (T1-21)
 - 1 Tota Frame (T1-20)
 - 1 DP-brella (D2-25)
 - 1 Lobo (F1-30)
 - 1 Assorted Gels (T1-78)
 - 1 Tota Clamp (T1-30)
 - 1 Tota-brella (T1-25)
 - 1 DP Diffused Glass (D2-50)
 - 1 DP Frame (D2-24)
 - 1 DP Mixed Gels (D2-78)
 - 1 Large Space Clamp (SC-10)
 - 3 KS Jr. Stands (DT-33)
 - 1 DP/Tota Lampak (DT-61)
 - 1 DP3 Case (DT-84M)

DP Super Remote Kit

Code: D2-96Z
Size: 37.5 x 17.75 x 9"
 (95.3 x 45.1 x 22.9 cm)
Weight: 62 lbs (28.2 kg)

- Contains:**
- 2 DP Lights (D2-10)
 - 2 DP Barndoors (D2-20)
 - 2 1000w, 120v lamps (FEL)
 - 1 Tota-light (T1-10)
 - 1 750w, 120v lamp (EMD)
 - 1 Rifa-lite 88 (LC-88)
 - 1 1000w, 120v lamp (FEL)
 - 1 #3 Superspot Reflector (D2-17)
 - 1 Diffused Glass (D2-50)
 - 1 Full Scrim (D2-54)
 - 1 Graduated Scrim (D2-56)
 - 2 DP Brellas (D2-25)
 - 1 DP Frame (D2-24)
 - 1 DP Mixed Gels (D2-78)
 - 1 Light-flector with Tilter (LFT)
 - 1 Tota-flag (T1-52)
 - 1 Tota Frame (T1-20)
 - 1 T/O Assorted Gels (T1-78)
 - 2 Flexi-shafts (T1-50)
 - 1 Tota Clamp (T1-30)
 - 1 Large Space-clamp (SC-10)
 - 1 KS Stand (KS)
 - 3 KS Jr. Stands (DT-33)
 - 1 DP/Rifa Lampak (D2-61)
 - 1 Tota Lampak (T1-61)
 - 1 Multi Case (MCSEM)



DP&T-92 Kit

Code: DPT-92Z
Size: 29.5 x 17 x 9"
 (74.9 x 43.2 x 22.9 cm)
Weight: 44 lbs (20 kg)

- Contains:**
- 2 DP Lights (D2-10)
 - 2 DP Barndoors (D2-20)
 - 2 1000w, 120v lamps (FEL)
 - 1 Tota-light (T1-10)
 - 1 750w, 120v lamp (EMD)
 - 2 Tota-shades (T1-21)
 - 1 Tota Frame (T1-20)
 - 1 DP-brella (D2-25)
 - 1 Lobo (F1-30)
 - 1 Assorted Gels (T1-78)
 - 1 Tota Clamp (T1-30)
 - 1 DP Diffused Glass (D2-50)
 - 1 DP Frame (D2-24)
 - 1 DP Mixed Gels (D2-78)
 - 1 Large Space Clamp (SC-10)
 - 3 KS Jr. Stands (DT-33)
 - 1 DP/Tota Lampak (DT-61)
 - 1 DP3 Case (DT-84M)



DP System Plus Kits



DP Core 95 Kit

Code: DPR-95Z

Size: 29.5 x 17 x 9"

(74.9 x 43.2 x 22.9 cm)

Weight: 43 lbs (19.5 kg)

Contains:

- 1 DP Light (D2-10)
- 1 1000w, 120v lamp (FEL)
- 1 DP Barndoor (D2-20)
- 1 Rifa-lite 55 (LC-55)
- 1 500w, 120v lamp (EHC)
- 1 Tota-light (T1-10)
- 1 750w, 120v lamp (EMD)

- 3 KS Jr. Stands (DT-33)
- 1 Tota Frame (T1-20)
- 1 DP-brella (D2-25)
- 1 Lobo (F1-30)
- 1 Assorted Gels (T1-78)
- 1 Tota Clamp (T1-30)
- 1 DP Diffused Glass (D2-50)
- 2 Tota Shades (T1-21)
- 1 DP Frame (D2-24)
- 1 DP Mixed Gels (D2-78)
- 1 DP/Tota Lampak (DT-61)
- 1 DP Lampak (D2-61)
- 1 DP 3 Case (DT-84M)



DP Core 96 Kit

Code: DPR-96Z

Size: 29.5 x 17 x 9"

(74.9 x 43.2 x 22.9 cm)

Weight: 44 lbs (20 kg)

Contains:

- 1 DP Light (D2-10)
- 1 DP Barndoor (D2-20)
- 1 1000w, 120v lamp (FEL)
- 1 Rifa-lite 66 (LC-66)
- 1 750w, 120v lamp (EHF)
- 1 Tota-light (T1-10)
- 1 750w, 120v lamp (EMD)

- 3 KS Jr. Stands (DT-33)
- 1 Tota Frame (T1-20)
- 1 DP-brella (D2-25)
- 1 Lobo (F1-30)
- 1 Assorted Gels (T1-78)
- 1 Tota Clamp (T1-30)
- 1 DP Diffused Glass (D2-50)
- 2 Tota Shades (T1-21)
- 1 DP Frame (D2-24)
- 1 DP Mixed Gels (D2-78)
- 1 DP/Tota Lampak (DT-61)
- 1 DP Lampak (D2-61)
- 1 DP-3 Case (DT-84M)



DP Core 98 Kit

Code: DPR-98Z

Size: 37.5 x 17.75 x 9"

(95.3 x 45.1 x 22.9 cm)

Weight: 49 lbs (22.3 kg)

Contains:

- 1 DP Light (D2-10)
- 1 DP Barndoor (D2-20)
- 1 1000w, 120v lamp (FEL)
- 1 Rifa-lite 88 (LC-88)
- 1 1000w, 120v lamp (FEL)
- 1 Tota-light (T1-10)
- 1 750w, 120v lamp (EMD)
- 2 KS Jr. Stands (DT-33)

- 1 KS Stand (KS)
- 1 Tota Frame (T1-20)
- 1 DP-brella (D2-25)
- 1 Lobo (F1-30)
- 1 Assorted Gels (T1-78)
- 1 Tota Clamp (T1-30)
- 1 DP Diffused Glass (D2-50)
- 2 Tota Shades (T1-21)
- 1 DP Frame (D2-24)
- 1 DP Mixed Gels (D2-78)
- 1 DP/Tota Lampak (DT-61)
- 1 DP Lampak (D2-61)
- 1 Tota Foam Insert (MCSE3)
- 1 Multi Case (MCSEM)

Fren-L 650 Kits

There are 2 kit combinations featuring the beautiful light & shadow quality of the Fren-L 650 with its numerous design innovations.

Whether you prefer the Lite 3 Kit with its smaller case and KS Jr. Stands, or the 3 Kit with the larger Fren-L Multi Case, KS Stands, lamps, and room for accessories, Fren-L 650 Kits make beautiful light.



Fren-L 650 3 Kit

Code: FR1-93MZ

Size: 37.5 x 17.75 x 9"

(95.3 x 45.1 x 22.9 cm)

Weight: 54 lbs (24.5 kg)

Contains:

- 3 Fren-L 650s with barndoors (FR1-10)
- 3 650w, 120v lamps (FRK)
- 3 KS Stands (KS)
- 1 Fren-L Lampak (FR1-61)
- 1 Fren-L Multi Case (MCSEF)



Fren-L 650 Lite 3 Kit

Code: FR1-93Z

Size: 29.5 x 17 x 9"

(74.9 x 43.2 x 22.9 cm)

Weight: 50 lbs (22.7 kg)

Contains:

- 3 Fren-L 650s with barndoors (FR1-10)
- 3 650w, 120v lamps (FRK)
- 3 KS Jr. Stands (DT-33)
- 1 Fren-L Lampak (FR1-61)
- 1 DP-3 Fren-L Case (DTF-84)

Fren-L 650 System Plus Kits

The 3 Fren-L System Plus Kits (the Fren-L Core Kits) add different models of the 60 second set-up Rifa softlights as well as the broad throw Tota, light controls & lamps with room to grow.

Smooth & even light quality from the Fren-L, plus fool-proof & ultra-soft light quality from the Rifa, adds up to a kit that makes beautiful lighting easy to achieve.



Fren-L 650 Core 98 Kit

Code: FR1-98Z

Size: 37.5 x 17.75 x 9"

(95.3 x 45.1 x 22.9 cm)

Weight: 49 lbs (22.3 kg)

Contains:

- 1 Fren-L 650 with barndoors (FR1-10)
- 1 650w, 120v lamp (FRK)
- 1 Rifa-lite (LC-88)
- 1 1000w, 120v lamp (FEL)
- 1 Tota-light (T1-10)
- 1 750w, 120v lamp (EMD)
- 2 KS Jr. Stands (DT-33)
- 1 KS Stand (KS)
- 1 Tota-brella (T1-25)
- 1 Tota-frame (T1-20)
- 1 Assorted Gels (T1-78)
- 1 DP/Tota Lampak (DT-61)
- 1 Fren-L Lampak (FR1-61)
- 1 Fren-L Multi Case (MCSEF)



Fren-L 650 Lite Core 96 Kit

Code: FR1-96Z

Size: 29.5 x 17 x 9"

(74.9 x 43.2 x 22.9 cm)

Weight: 44 lbs (20 kg)

Contains:

- 1 Fren-L 650 with barndoors (FR1-10)
- 1 650w, 120v lamp (FRK)
- 1 Rifa-lite 66 (LC-66)
- 1 750w, 120v lamp (EHF)
- 1 Tota-light (T1-10)
- 1 750w, 120v lamp (EMD)
- 1 Tota-brella (T1-25)
- 1 Tota-frame (T1-20)
- 1 Assorted Gels (T1-78)
- 2 KS Jr. Stands (DT 33)
- 1 KS Stand (KS)
- 1 DP/Tota Lampak (DT-61)
- 1 Fren-L Lampak (FR1-61)
- 1 DP 3 Fren-L Case (DTF-84)



Fren-L 650 Lite Core 95 Kit

Code: FR1-95Z

Size: 29.5 x 17 x 9"

(74.9 x 43.2 x 22.9 cm)

Weight: 43 lbs (19.5 kg)

Contains:

- 1 Fren-L 650 with barndoors (FR1-10)
- 1 650w, 120v lamp (FRK)
- 1 Rifa-lite 55 (LC-55)
- 1 500w, 120v lamp (EHC)
- 1 Tota-light (T1-10)
- 1 750w, 120v lamp (EMD)
- 1 Tota-brella (T1-25)
- 1 Tota-frame (T1-20)
- 1 Assorted Gels (T1-78)
- 3 KS Jr. Stands (DT-33)
- 1 DP/Tota Lampak (DT-61)
- 1 Fren-L Lampak (FR1-61)
- 1 DP 3 Fren-L Case (DTF-84)



The ability to go from carry bag to stand, fully set up in one minute, makes Lowel's Rifa-lite the easiest portable soft-light to use.

Beautiful results are also easy to achieve. In fact, the Kits shown in this catalog were all lit exclusively with Rifa-lites.

Rifa-lite Kits are available for each of the 4 models (250, 500, 750 & 1000w). They come with stands & lamps and have soft case options.

There are also Rifa System Plus Kits, which add the versatile 250w focusing Pro-light as a compact key, accent or backlight to further enhance the Rifa Kit's capabilities. They also have daylight correction gels for both Rifa & Pro.

Rifa Kits



Rifa 44 Kit

Code: LC-94Z
Size: 23.5 x 6.25 x 6.25"
 (59.6 x 15.9 x 15.9 cm)
Weight: 11 lbs (5 kg)

Contains:

- 1 Rifa-lite 44 (LC-44)
- 1 250w, 120v lamp (GCA)
- 1 Uni TO Stand (UN-55)
- 1 ViP Lampak (ViP-61)
- 1 V Shoulder Case (V-85)

With LB-45 Small Rifa Litebag Soft Case
Code: LC-94LBZ
Weight: 9 lbs (3.9 kg)



Rifa 55 Kit

Code: LC-95Z
Size: 30.75 x 8.5 x 6.5"
 (78.1 x 21.6 x 16.5 cm)
Weight: 15 lbs (6.8 kg)

Contains:

- 1 Rifa-lite 55 (LC-55)
- 1 500w, 120v lamp (EHC)
- 1 KS Jr. Stand (DT-33)
- 1 DP Lampak (D2-61)
- 1 Rifa Small Tube Case (R1-82)

With LB-45 Small Rifa Litebag Soft Case
Code: LC-95LBZ
Weight: 11 lbs (4.9 kg)

Rifa System Plus Kits



Rifa Pro 44 Kit

Code: LCP-944
Size: 30.75 x 8.5 x 6.5"
 (78.1 x 21.6 x 16.5 cm)
Weight: 18 lbs (8.2 kg)

Contains:

- 1 Rifa-lite 44 (LC-44)
- 1 250w, 120v lamp (GCA)
- 1 Pro-light (P2-10)
- 1 250w, 120v lamp (GCA)
- 1 Pro-light 4-way Barndoor (iP-20)
- 1 Uni-stands (UN-33)
- 1 Uni TO Stand (UN-55)
- 1 Pro & i Gel Frame (iP-40)
- 1 Pro & i Gels (iP-78)
- 1 Rifa 44 Daylight Gel Set (LC-47)
- 1 ViP Lampak (ViP-61)
- 1 Rifa Small Tube Case (R1-82)

With LB-45 Small Rifa Litebag Soft Case
Code: LCP-944LB
Weight: 14.7 lbs (7 kg)



Rifa Pro 55 Kit

Code: LCP-955
Size: 30.75 x 8.5 x 6.5"
 (78.1 x 21.6 x 16.5 cm)
Weight: 21 lbs (9.5 kg)

Contains:

- 1 Rifa-lite 55 (LC-55)
- 1 500w, 120v lamp (EHC)
- 1 Pro-light (P2-10)
- 1 250w, 120v lamp (GCA)
- 1 Pro-light 4-way Barndoor (iP-20)
- 1 Pro & i Gel Frame (iP-40)
- 1 Pro & i Gels (iP-78)
- 1 Rifa 55 Daylight Gel Set (LC-57)
- 1 KS Jr. Stand (DT-33)
- 1 Uni-stand (UN-33)
- 1 ViP Lampak (ViP-64)
- 1 DP/Rifa Lampak (D2-61)
- 1 Rifa Small Tube Case (R1-82)

With LB-45 Small Rifa Litebag Soft Case
Code: LCP-955LB
Weight: 17 lbs (7.6 kg)



Rifa Kits



Rifa 66 Kit

Code: LC-96Z
Size: 37.75 x 8.5 x 6.5"
 (95.9 x 21.6 x 16.5 cm)
Weight: 17 lbs (7.7 kg)

- Contains:**
- 1 Rifa-lite 66 (LC-66)
 - 1 750w, 120v lamp (EHF)
 - 1 KS Jr. Stand (DT-33)
 - 1 DP Lampak (D2-61)
 - 1 Rifa Large Tube Case (R1-83)

With LB-40 Large Rifa Litebag Soft Case
Code: LC-96LB
Weight: 13 lbs (5.9 kg)

Rifa System Plus Kits



Rifa Pro 66 Kit

Code: LCP-966
Size: 37.75 x 8.5 x 6.5"
 (95.9 x 21.6 x 16.5 cm)
Weight: 23 lbs (10.5 kg)

- Contains:**
- 1 Rifa-lite 66 (LC-66)
 - 1 750w, 120v lamp (EHF)
 - 1 Pro-light (P2-10)
 - 1 250w, 120v lamp (GCA)
 - 1 Pro-light 4-way Barndoor (iP-20)
 - 1 Pro & i Gel Frame, (iP-40)
 - 1 KS Jr. Stand (DT-33)
 - 1 Uni-stand (UN-33)
 - 1 Pro & i Gels (iP-78)
 - 1 Rifa 66 Daylight Gel Set (LC-67)
 - 1 ViP Lampak (ViP-61)
 - 1 DP/Rifa lampak (D2-61)
 - 1 Rifa Large Tube Case (R1-83)

With LB-40 Large Rifa Litebag Soft Case
Code: LCP-966LB
Weight: 19 lbs (8.6 kg)



Rifa 88 Kit

Code: LC-98Z
Size: 37.75 x 8.5 x 6.5"
 (95.9 x 21.6 x 16.5 cm)
Weight: 18 lbs (8.2 kg)

- Contains:**
- 1 Rifa-lite 88 (LC-88)
 - 1 1000w, 120v lamp (FEL)
 - 1 KS Stand (KS)
 - 1 DP Lampak (D2-61)
 - 1 Rifa Large Tube Case (R1-83)

With LB-40 Large Rifa Litebag Soft Case
Code: LC-98LBZ
Weight: 14 lbs (6.4 kg)



Rifa Pro 88 Kit

Code: LCP-988
Size: 37.75 x 8.5 x 6.5"
 (95.9 x 21.6 x 16.5 cm)
Weight: 24 lbs (10.9 kg)

- Contains:**
- 1 Rifa-lite 88 (LC-88)
 - 1 1000w, 120v lamp (FEL)
 - 1 Pro-light (P2-10)
 - 1 250w, 120v lamp (GCA)
 - 1 Pro-light 4-way Barndoor (iP-20)
 - 1 Pro & i Gel Frame (iP-40)
 - 1 KS Stand (KS)
 - 1 Uni-stand (UN-33)
 - 1 Pro & i Gels (iP-78)
 - 1 Rifa 88 Daylight Gel Set (LC-87)
 - 1 ViP Lampak (ViP-61)
 - 1 DP/Rifa Lampak (D2-61)
 - 1 Rifa Large Tube Case (R1-83)

With LB-40 Large Rifa Litebag Soft Case
Code: LCP-988LB
Weight: 20 lbs (9.1 kg)



Rifa All Soft Kits

For those who want soft key, along with soft fill & soft back light, with quick setup, compact storage &

beautiful output, the Lowel All Soft Kits are the answer. Choose from 2 kits, each containing 3 collapsible

Rifa-lites; either 250, 500 & 750w, or 500, 750 & 1000w with lamps & stands.



Rifa Small Triple Soft Kit

Code: LC-9456
Size: 29.5 x 13 x 7"
 (74.9 x 33 x 17.8 cm)
Weight: 34 lbs (15.5 kg)

With LB-35 Litebag Soft Case
Code: LC-9456LB
Weight: 28 lbs (12.8 kg)

Contains:
 1 Rifa-lite 66 (LC-66)
 1 750w, 120v lamp (EHF)
 1 Rifa-lite 55 (LC-55)

1 500w, 120v lamp (EHC)
 1 Rifa-lite 44 (LC-44)
 1 250w, 120v lamp (GCA)
 2 KS Jr. Stands (DT-33)
 1 Uni TO Stand (UN-55)
 1 DP/Rifa Lampak (D2-61)
 1 TO-83 Case



Rifa Big Triple Soft Kit

Code: LC-9568
Size: 37.5 x 17.75 x 9"
 (95.3 x 45.1 x 22.9 cm)
Weight: 47 lbs (21.4 kg)

Contains:
 1 Rifa-lite 88 (LC-88)
 1 1000w, 120v lamp (FEL)
 1 Rifa-lite 66 (LC-66)
 1 750w, 120v lamp (EHF)
 1 Rifa-lite 55 (LC-55)
 1 500w, 120v lamp (EHC)
 1 KS Stand (KS)

2 KS Jr. Stands (DT-33)
 1 DP/Rifa Lampak (D2-61)
 1 Rifa Multi Case (MCSE8)

Multi System Kits

Lowel Multi System Kits combine light fixtures with lamps, stands & accessories from our wide range of different lighting systems to bring a new level of versatility to our kits.

All draw from the Tota/Omni, ViP & Rifa-lite systems to create kit combinations that fit most needs & budgets. Some have hard case options that offer room to grow.

Whether you prefer the smaller & mid-sized Lowel DV Creator Kits, or the feature packed Super Ambi Kit, these kits will help you arrive at a location with a greater degree of lighting possibilities in your hand.

For those traveling light, Lowel DV Creator Kits are also available in soft cases.



Lowel DV Creator 1 Kit

Code: DV-901Z
Size: 23.75 x 13.5 x 7"
 (60.3 x 34.3 x 17.8 cm)
Weight: 28 lbs (12.7 kg)

With LB-30 Soft Case
Code: DV-901LBZ
Weight: 22 lbs (10 kg)

Contains:
 1 Pro-light (P2-10)
 1 Pro-light 4-way Barndoors (iP-20)
 1 250w, 120v lamp (GCA)
 1 Omni-light (O1-10)
 1 Omni-light 4-way Barndoors (O1-20)
 1 500w, 120v lamp (FTK)
 1 Tota-light (T1-10)
 1 750w, 120v lamp (EMD)
 3 Uni TO Stands (UN-55)
 1 Tota-frame (T1-20)
 1 Assorted Gels (T1-78)
 1 Flexi-shaft Pak (2) (T1-50)
 1 Tota-flag (T1-52)
 1 Tota-brella (T1-25)
 1 T/O Lampak (TO-61)
 1 GO-85 Case

Multi System Kits



Lowel DV Creator 44 Kit

Code: DV-902Z
Size: 23.75 x 13.5 x 7"
 (60.3 x 34.3 x 17.8 cm)
Weight: 34 lbs (15.5 kg)

With TO-83 Case
Code: DV-9023Z
Weight: 35 lbs (15.9 kg)

With LB-30R Soft Case
Code: DV-902LBZ
Weight: 28 lbs (12.7 kg)

Lowel DV Creator 55 Kit

Code: DV-903Z
Size: 29.5 x 13 x 7"
 (74.9 x 33 x 17.8 cm)
Weight: 38 lbs (17.3 kg)

With TO-84Z Case
Code: DV-9034Z
Weight: 42 lbs (19 kg)

With LB-35R Soft Case
Code: DV-903LBZ
Weight: 33 lbs (14.8 kg)

- 1 500w, 120v lamp (FTK)
- 1 Tota-light (T1-10)
- 1 750w, 120v lamp (EMD)
- 3 Uni TO Stands (UN-55)
- 1 KS Jr. Stand (DT-33)
- 1 Tota-frame (T1-20)
- 1 Assorted Gels (T1-78)
- 1 Pro & i Gel Frame (iP40)
- 1 iP Assorted Gels (iP-78)
- 1 Flexi-shaft pkg (2) (T1-50)

Contains:

- 1 Rifa-lite 44 (LC-44)
- 1 250w, 120v lamp (GCA)
- 1 Pro-light (P2-10)
- 1 Pro-light 4-way Barndoors (iP-20)
- 1 250w, 120v lamp (GCA)
- 1 Omni-light (O1-10)
- 1 Omni-light 4-way Barndoors (O1-20)
- 1 500w, 120v lamp (FTK)
- 1 Tota-light (T1-10)
- 1 750w, 120v lamp (EMD)
- 4 Uni TO Stands (UN-55)
- 1 Tota-frame (T1-20)
- 1 Assorted Gels (T1-78)
- 1 Pro & i Gel Frame (iP-40)
- 1 iP Assorted Gels (iP-78)
- 1 Flexi-shaft pkg (2) (T1-50)
- 1 Tota-flag (T1-52)
- 1 Tota-brella (T1-25)
- 1 T/O Lampak (TO-61)
- 1 ViP Lampak (ViP-61)
- 1 GO-85 Case



Contains:

- 1 Rifa-lite 55 (LC-55)
- 1 500w, 120v lamp (EHC)
- 1 Pro-light (P2-10)
- 1 Pro-light 4-way Barndoors (iP-20)
- 1 250w, 120v lamp (GCA)
- 1 Omni-light (O1-10)
- 1 Omni-light 4-way Barndoors (O1-20)

- 1 Tota-flag (T1-52)
- 1 Tota-brella (T1-25)
- 1 T/O Lampak (TO-61)
- 1 DP/Tota Lampak (DT-61)
- 1 TO-83 Case

Super Ambi Kit

Code: TORP-955
Size: 29.5 x 17 x 9.75"
 (74.9 x 43.4 x 24.8 cm)
Weight: 57 lbs (25.9 kg)

Contains:

- 2 Tota-lights (T1-10)
- 2 750w, 120v lamps (EMD)
- 2 Omni-lights (O1-10)
- 2 Omni Barndoors (O1-20)
- 2 500w, 120v lamps (FTK)
- 1 Rifa-lite 55 (LC-55)
- 1 500w, 120v lamp (EHC)
- 1 Pro-light (P2-10)
- 1 Pro-light 4-way Barndoors (iP-20)
- 1 250w, 120v lamp (GCA)
- 5 Omni-stands (O1-33)
- 1 KS Jr. Stand (DT-33)
- 1 Omni Full Scrim (O1-54)
- 1 Omni Half Scrim (O1-55)

- 2 Tota-brellas (T1-25)
- 3 Tota-frames (T1-20)
- 2 Assorted Gels (T1-78)
- 1 Pro & i Gel Frame (iP-40)
- 1 Pro & i Gels (iP-78)
- 1 ViP Lampak (ViP-61)
- 1 Tota-flag (T1-52)
- 1 Tota-flector (T1-54)
- 1 Pkgs Flexi-shafts (2) (T1-50)
- 1 Lobo Arm & Lobo (F1-41)
- 1 Tota-tatch (T1-34)
- 1 Tota-mount (T1-32)
- 1 Tota-clamp (T1-30)
- 1 12-yard roll Gaffer-tape (GT-12)
- 1 Tota/Omni Lampak (TO-61)
- 1 DP/Tota Lampak (DT-61)
- 1 01-86Z Case



Caselite Kits

Caselites are both light & kit combined. They take advantage of their unique ability to store the sturdy yet compact Uni Sr. Stand plus mounting hardware

& lamps in their lids. There are 2 kits available, each with a choice of tungsten or daylight corrected fluorescent lamps.

Caselite2 Kit

Tungsten Kit
Code: CF-92TU

Daylight Kit
Code: CF-92DA

Size: 23.8 x 7.7 x 8.4"
(60.5 x 19.6 x 21.3 cm)
Weight: 18 lbs (8.2 kg)

Each Kit Contains:
1 Caselite2 (CF-20)
with either daylight
or tungsten balanced
fluorescent lamps
1 Uni Sr. Stand (UN-66)



Caselite4 Kit

Tungsten Kit
Code: CF-94TU

Daylight Kit
Code: CF-94DA

Size: 23.8 x 12.8 x 7.9"
(60.5 x 32.5 x 20.1 cm)
Weight: 25 (11.4 kg)

Each Kit Contains:
1 Caselite4 (CF-40)
with either daylight
or tungsten balanced
fluorescent lamps
1 Uni Sr. Stand (UN-66)



Scandles Kits

LowelScandles Kits combine the unique 8-lamp cluster of the Scandles light with collapsible cone reflector/softbox and Uni Sr. Stand in 1 or 2 light Kits, each with a choice of tungsten or daylight corrected fluorescent lamps.

LowelScandles One Light Kit

Tungsten Kit
Code: LSF-91TU

Daylight Kit
Code: LSF-91DA

Size: 23.8 x 13.5 x 10.8"
(60.4 x 34.3 x 27.3 cm)
Weight: 25 lbs (11.4 kg)

Each Kit Contains:
1 LowelScandles Light
(LSF-05TU) or
(LSF-05DA) with either
tungsten or
day-light balanced
fluorescent lamps,
collapsible
cone & diffuser.
1 Uni Sr. Stand (UN-66)
1 Small Scandle Case
(LSF-81)



LowelScandles Two Light Kit

Tungsten Kit
Code: LSF-92TU

Daylight Kit
Code: LSF-92DA

Size: 37.5 x 17.8 x 10.8"
(95.3 x 45.1 x 27.3 cm)
Weight: 50 lbs (22.7 kg)

Each Kit Contains:
2 LowelScandles Lights
(LSF-05TU or
(LSF-05DA) with either
tungsten or daylight
balanced fluorescent
lamps, collapsible
cones & diffusers
2 KS Jr. Stands (DT-33)
1 Big Scandle Case
(LSF-82)



Light-Array Kit

The original fold-up location fluorescent... the Light-Array. With head, ballast, cables and a KSA Stand with wheels, all in a hard case. Uses 4' tubes, available in a wide variety of color temperatures. Separate fluorescent tube carry case also available.

Full Array Kit

Code: A1-90
Size: 37.5 x 17.75 x 7.75" (95.3 x 45.1 x 19.7 cm)
Weight: 40 lbs (18.2 kg)

- Contains:**
- 1 Lowel Light-Array complete (A1-10)
 - 1 KSA Stand (KSA)
 - 1 Set Lowel Casters (LC)
 - 3 Safety Cables (1 pkg) (CM-50)
 - 1 Full Array Case (A1-86)

Less lamps



Variflector Kit

A kit without lights that helps to better control the lights you use, with its variable focus lever. Also perfect for out-door use, it anchors to the ground & won't flicker in the wind. Variflector rolls up into case.

Variflector Kit

Code: V44SC
Size: 52 x 7.5" diam. (132 x 19 cm diam.)
Weight: 26 lbs (11.8 kg)

- Contains:**
- 1 Variflector II (V44A)
 - 1 Grand Stand (GSA)
 - 4 Lowel Anchors (1 pk) (LA)
 - 1 Variflector Case (V44CCZ)



Lowel-light & L-light Kits

The tiny L-light is a highly versatile accent option. With its mounting plate & stand-fitting possibilities, it can light from just about anywhere you can run a power cable.

L-lights are available in kit form with accessories and your choice of hard or soft case. A perfect secondary kit to complement any larger kit, you'll be surprised how many times you pull them out to solve tricky little lighting problems.

L-light Mid-L Kit

Code: L1-93U
Size: 30.5 x 8.5 x 6.5" (78.1 x 21.6 x 16.5 cm)
Weight: 13 lbs (5.9 kg)

With GO-85 Case
Code: L1-93U5
Weight: 16 lbs (7.2 kg)

With LB-30 Soft Case
Code: L1-93ULB
Weight: 10 lbs (4.4 kg)

- Each Kit Contains:**
- 3 L-lights with Stand-links & cables (L2-10)
 - 2 Home-plates (L1-32)
 - 1 12-yd. roll Gaffer-tape (GT-12)
 - 1 Scissor-mounts set of 2 (CM-20)
 - 3 4-way Clip-on Barndoors (L1-20)

- 1 Gel-jawz pkg of 8 (CL-15)
- 2 iP Gel packs (Day Blue iP-70 & Frost iP-72)
- 2 Uni-stands (UN-33)
- 1 Tube Case (T1-82)

Less lamps



Back in action after a brief retirement, the original Lowel-light has been updated with a heavier duty AC cable, a larger mounting base-plate, and an ETL approval. This perennial grip truck favorite is available in kit form with an updated case and, as always, a roll of the original Gaffer-tape.

Lowel-Light K5BR Kit

Code: K5BR
Size: 13 x 10 x 4.9" (33 x 25.4 x 12.5 cm)
Weight: 7 lbs (3.2 kg)

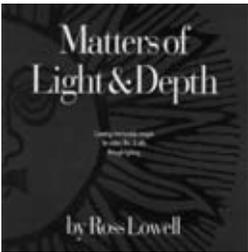
- Contains:**
- 5 Lowel-lights less lamps (LL-1)
 - 5 Barndoors (BR40) 12-yard roll Gaffer-Tape (GT-12)
 - 1 K5C Case (K5C)

Less lamps



Matters of Light and Depth

Ross Lowell



Called “essentially practical & practically essential”, Ross Lowell's critically acclaimed **Matters of Light & Depth** is published by **Lowel-Light**. Filled with illustrations, photographs, and decades of real world experience, the book has become a valuable resource for all those interested in expanding their knowledge of lighting.

Hard & Soft Light

Key considerations

E. Carlton Winckler

Television lighting utilizes a high percentage of hard lights because of their ability to project their light from convenient locations overhead and at the sides of the playing areas.

Vilmos Zsigmond

I do not like to light with hard sources anymore unless that is the way it is in real life. [FL]

Haskell Wexler

To be able to light well in hard light makes the soft lighting a piece of cake, because a soft light is very forgiving. [FL]

The difference between the quality of hard and soft light is like that between sunlight and overcast sky light. Not only are their effects different, but so are the tools and many of the techniques used to achieve these effects.



PHOTO: AUTHOR PRODUCER/DIRECTOR, SUZANNE BAUMAN

The hard back light I used for this sequence dramatized the dancers' shadows and swirling skirts. (Still from *Suleiman the Magnificent*.)



PHOTO: © DEAN COLLINS, SOFTLIGHT CHINEA

Soft lights that are at least as large as the subject and that are relatively close to it produce a gradual transition from highlight to shadow, yielding a subtle gradation of tones.

“A brilliantly effective teaching tool... witty, beautifully designed... plus it’s user friendly...”

Tom McDonough,
cinematographer and author, “Light Years”

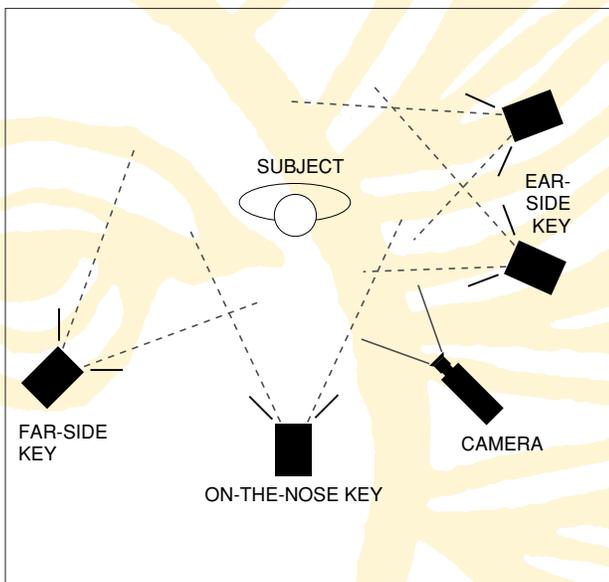


The Range of the Book

The author is a multi-award-winning cinematographer and Academy Award-winning lighting equipment inventor who has taught photographic lighting to both students and pros. In addition to his own techniques, photos, and "light philosophy," Ross Lowell interweaves the insights and images of distinguished lighting directors, photographers, filmmakers and classic painters.

Some of the subjects explored include:

- Color Temperature Matters
- Hearing the Light
- Lighting Planes
- Lighting People
- Meter Matters
- Finessing the Light
- Motivating the Light
- Two-Light Techniques
- The One-Light Approach
- Setting Up a Small Studio
- Superior Exterior Lighting
- The Art & Craft of Lighting Craft & Art
- Best Ways to Achieve the Worst Lighting



Reviews

"Ross has squeezed a lifetime of lighting experience and insight into one inspiring volume... While it focuses on the inexperienced reader, it also helps those of us who have been lighting for decades to understand why we do it the way we do it."

Gill McDowell,
lighting director/gaffer

"Ross Lowell has spent his life learning and teaching about light... [This book] should be owned by everyone who has any kind of camera... The reward for reading just a few chapters... will surely be better pictures... Mr. Lowell's writing... has a lyrical and spiritual dimension that is inspiring..."

John Durniak,
*"Valuable Lessons from a Master of Light,"
The New York Times*

"As a teacher, I particularly value several chapters, such as Lighting by Numbers, In Broad Daylight, Dynamic Lighting of Static Subjects, Shedding Light, and Lights-On Lessons. These sections are teeming with the kind of applied wisdom that students are starving for. I enjoyed reading it; better yet, I learned a lot from it."

Charles Merzbacher,
*professor, New York University,
Dept. of Film & TV*

"I am still citing Ross Lowell as the sensitive character who knew what light and movement were all about. This book confirms it."

Peter Jennings,
anchorman, ABC News



"The two hard reflectors that redirected sun through the far window solved the problem of how to light the long corridor dramatically and quickly while maintaining the anonymity of resident juvenile prisoners."

The Details of the Book

Code: BL-10
Size: 9" x 9"
Cover: Coated cover stock
Pages: 224, two-color throughout
ISBN#: 0-9662504-0-0

Subject: Video, film and still lighting and composition

Glossary: Approximately 500 entries

Images:
Full color pages—26
Photos—115
Paintings—12
Engravings—80
Diagrams—50



The following is an edited glossary from one of our previous catalogs. We are reprinting it here by popular demand. A fully updated & expanded version is available in Ross Lowell's book, *Matters of Light & Depth*.

A

Accent Light

Should call attention to an object or an area—not the lighting.

Aims of Lighting

To enhance mood, atmosphere and drama; separate planes; suggest depth; reveal character and texture; enrich and, occasionally, bedazzle. Minimum aim: to motivate micro chips and silver halides.

Ambient Light

Natural light is mostly available light which is really ambient light; but don't spread the word. Our business needs all the mystery it can muster and ambient is even better than Cucoloris.

Amp. Calculations

Amps=watts-volts. So, when the no-nonsense electrician asks: "How many amps will you need at 120v?"—divide the maximum watts you expect to use, by 100 (it has a built-in safety-factor and you won't have to hunt for a pencil). If you don't know watts-what, you'll blow it—with the electrician, at least.

Angle of Light

The angle formed between the Light-subject axis and camera-subject axis. Both horizontal (H) and vertical (V) should be specified. Examples: Camera-top Light about 0 degrees H, 5 V; Rim-light 180 degrees H&V; Key-light commonly 15 to 45 degrees H&V.

Attributes of Light

Every source has five main attributes which affect the quality of light emitted and the overall lighting-look: 1) Hard or Soft (or in between); 2) Intensity; 3) Direction; 4) Color and 5) Beam Pattern. All but color are affected by the light's Size and Distance.

Available Light

Existing interior light often looks great, especially when we're pressed for time. Before committing, what are the odds that the available light will last as long as your shooting will? Tip: Keep a few lights available—in case.

B

Background Light

Reveals the character of the background and helps separate it from the subject. Angle: toward the background, usually from the side and high enough to avoid Glare and subject or microphone shadows.

Backlight

Backlight separates subject from background, saints from sinners and one pro from another. Angle: toward the lens from above-and-behind the subject, or above-behind-and-slightly-to-the-side of it; high enough to cut lens Flare. Sins: confusing this source with Top, or Background Light, and for Motivation purists, using it at all. Tip: Smoke, steam, and other Translucent subjects adore backlight. Almost any color.

Barndoor

A pivotable, usually rotatable, front-of-the-light device, having two or more black panels, used to shape the beam and shade the camera lens or scene.

Base Light

Bland, diffuse set illumination intended to keep electronics quiet. Tip: add directional light to keep them happy.

Beam Angle

If you're into reading light-performance data, beam angle is the point at which the intensity of a source drops to fifty percent of maximum (center reading) measured in degrees of the full angle. Simply: how wide?

Beam Pattern

Includes Beam Angle, beam shape and any realistic or abstract patterns introduced into the beam.

Bounce Light

A super-soft source produced by reflecting lights off white (or at least color-neutral) panels or walls. Terminal treatment of lighting kits by belligerent baggage handlers.

C

Camera-top Light

The Flat-light look of on-board lights for news-type shoots can be improved. Tips: use heavy Diffusion or aim the light at a wall or use a low wattage lamp in order not to overwhelm any face-saving, available light.

Cinematic License

Allows holder to use unmotivated Backlight, elevate short actors and transform day into night.

Coloring Light

Gels correct the color of light sources relative to each other or the film. Colored gels are also used to distort light for dramatic or artistic purposes. Thus far, no permit is required. Video tip: white balance before you add distortion gels. However, if you add correction gels, white balance afterwards.

Color Temperature

(Degrees Kelvin or °K) Briefly: how red or blue, the "white" light is. Films are "white-balanced" by choosing the correct color temperature source (daylight, about 5600 °K, tungsten usually 3200 °K) or by filtering. Tip: With exotic, kinky-spectrum light sources, a three-color meter will tell you all about red-blue-green imbalance. Options: use camera filters, gel lights and/or windows, color balance (and filter?) a video camera, re-light with photographic sources, or opt for off-color scenes.

Continuity of Light

Scenes and sequences are seldom shot in editing order, so, plan carefully and keep notes.

Contrast Ratio

(Brightness Ratio) Compare two reflected-light readings: 1) the lightest significant area of the subject or scene, vs. 2) the darkest. Each medium or method of reproduction has different brightness ratio limits. Projected films about 125:1 (seven stops); Video about 32:1 (five stops). Also see Lighting Ratio.

Cucoloris

(cucoloris, cookie, kook) A device, almost as strange as its names. Placed in front of a Hard-Light, it throws shadows or dappled light on bland walls or areas and impresses impressionable producers.

Cool

Light, gels or subjects in the blue-green region of the color spectrum.

Cut

To remove light from the scene, scenes from the film or money from the budget.

Cyc (Cyclorama, Cove)

The ultimate Limbo background, found in many studios. The wall(s) and floor are joined in a gradual curve. Tip: simulate it with a seamless-paper sweep.

D

Dichroic

A vapor-deposited coating that reflects unwanted portions of the light spectrum. A filter with such a coating, typically for daylight correction of tungsten light.

Diffusion

Translucent materials that soften highlights and shadows, reduce contrast and increase Beam-angle.

Direction or Function

The big four: Key, Fill, Backlight and Background Lights are the cornerstones of traditional lighting. Used without regard to the needs of the subject and scene, they become millstones. Tip: learn to use them effectively, then forget about them and just light Planes. Other functions, variously useless, useful or essential: Kicker, Side-light, Eye-light, Top-light, Rim-light, and Accent Light.

Distance (Throw)

The light-subject distance not only controls Fall-off, but also Sharpness, and (effective) Size of the light, relative to subject size.

Dominance

If several sources are needed, one of them (or one direction of light) should dominate.

E

Exterior Lighting

Only mad dogs and English cameramen go out in the noonday sun. If you're stuck with Top-light-sun, here are a few Tips: use Reflectors, a Butterfly or lights. No electricity?, use batteries (even vehicular) with matching-voltage lamps, connectors, and daylight correction. Or shoot in the Shade.

Eye-light

A little eye-light goes a long way; use a light hand. Tip: a small, doored-down, hard-light near the camera, gives Kicks in the center of the eyes and teeth (unless your subject is tight-lipped). Placed off to the side, the whites of the eyes glow lovingly, tragically, or threateningly, depending upon the music.

F

Fall-off

Light, from a point source, falls-off inversely to the square of the distance. Move the light from ten-feet-away to twenty-feet-away and you have 1/4 of the intensity; forty feet, 1/16 th. Diffused lights fall-off even faster than point sources. Tip: to minimize fall-off within a scene, use hard-lights as far away as practical.

Fill Light

Fill lightens shadows and controls contrast and Lighting ratios. Tip: avoid hard-light-fill and over-kill-fill. Angle: usually close to the lens, on the side opposite the key. Time allowing, try for a better fill-angle.

Finesse (light control)

The black-art of refining white light by using focusing knobs, Barndoors, fancy-scrims, Gels and anything handy that won't melt instantly.

Flag (Cutter, Gobo)

An Opaque panel, used to block light and shadow the subject, background or camera lens. It can also hide lights in the dark recesses of a scene. Which term you use depends upon the device's size and what part of the country you alight in.

Flare

Flare occurs in the optical system of cameras. Keep bright lights and strong reflections out of the lens; or turn flare's image eating tendencies into image enriching ones by telling your client: "...it's artistic". Just don't call it Glare.

Flat Light

All light is characterless, textureless and shallow-shadowed, when the source is close to the camera. Soft Light is, by its nature, flatter than Hard Light, but even a soft source, above or to the subject's side, is not flat. Proof: Vermeer.

Focus

To increase the beam-size of a focusing light, which, like-it-or-not, decreases its intensity. Caution: for flood protection, keep Noah's Ark-light handy.

Focus

1) To vary a spotlight's beam-size and intensity. 2) To ignore the pandemonium around you while you light.

Focus Range

The ratio of spot to flood. Example: 800 fc to 100 fc=8:1. The more the better.

Footcandle (fc)

A unit of incident illumination, largely unaffected by the subject's luminosity (brightness).

Foregrounds

Dark foregrounds help hold the eye within the frame and increase the illusion of depth. Bright foreground objects, especially out-of-focus or moving ones, can be distracting. Tip: back-or-side-light the foreground using little or no Fill.

Formula Lighting

A sensitive eye and a little imagination are worth far more than a lot of lighting formulas, since every formula fails to acknowledge that every scene is different.

Formula (of sorts)

For uncontrollable or 360 degree action in a room, mount three broad lights high-up, in two different corners and on the opposite wall. Favor Motivated positions. Resist the temptation to use a fourth source, but not the one to Bounce or Diffuse.

Fresnel

A thinner, lighter, "stepped" version of a plano-convex lens. Also, a spotlight with such a lens. Tip: silent "s", sil vous plait.

G

Gaffer

The chief electrician on a motion picture production, responsible, ideally, to the director of photography. History: we named our tape in his honor, not vice-versa.

Gel (Gelatin, Media)

As used with photographic lights, a strong, flexible, fade-resistant, material, used to change the color, amount or quality of light. Tip: blues fade fairly fast.

Glare

Light reflected off of shiny surfaces. In moderation, it is one of the most useful ways to add life to drab subjects. If excessive, tame it by: moving the glaring object, the light or camera angle; using softer light, a polarizing camera filter (not on bare metal), or dulling-type spray (not on bald heads).

Glare Angle

(Angle of Reflection) The law-of-the-light states: the angle of incidence equals the angle of reflection. Simply: light is reflected at the same angle it came from, but in the opposite direction. Pool players understand. Tip: as soon as this law becomes intuitive, planning your lighting set-ups will be much easier. See, Plane lighting.

Good Eye

To help develop sensitivity to light and composition: study good films, photographs and paintings; keep an image file; observe the subtleties of light and shadow all around you, even when not shooting.

Grip

Traditionally, the crew member who hangs lights, pushes dollies, hefts cases and, out-West, handles reflectors.

H

Hard Light

A relatively small, direct, usually focusable source, with or without lens, that produces strong highlights and dark shadows. The quality is more dramatic and controllable, but generally less flattering than Soft Light; often improved with Diffusion. Tip: cheapest hard source with least Fall-off, the sun.



High-key

Lighting which results in predominantly middle-grey to white tones. Tip: use light sets, wardrobe, makeup; soft, Flat-light, Backlight, possibly camera-lens diffusion.

Hot Lights

Still photographer's lingo for constant source (as opposed to strobe) lights.

I**Illumination**

Lighting minus craft. Or, someone else's set-up.

Incident-light Meter

The light-averaging hemisphere is aimed toward the camera from the subject. Since it reads the light that reaches the scene, not subject brightness, adjustments should be made for unusually dark or light subjects. Backlight, Silhouettes and such.

Intensity (Light Output)

The "strength" of the incident-light source, independent of the subject's reflectivity, commonly measured in footcandles or lux.

Inverse-square Law

For a legal interpretation, see Fall-off.

K**Kelvin**

See Color Temperature.

Key Light

The key, or main light, tends to set the character of the lighting. It may suggest a source, like the sun, a window or flying saucer.

Kicker

A low-angle side-backlight that adds honest glare (the kind that helps elect Presidents) to the side of faces. Tip: try a white card or small reflector when you run out of lights or crave subtlety.

Kicks (Hotspots)

Bright light reflections that add sparkle (and, with a star filter, radiating lines of light). However, if too bright, they will add blooming, comet tailing (video) and Flare. Tip: See Glare for control. Use Hard Light—just for kicks.

L**Lamp**

Fits in a light and glows white-hot when turned-on. Caution: if any-one calls it a bulb, their Cinematic License will be revoked.

Lamp-life

The number of hours at which half of the test lamps fail. Tip: Shock, vibration, frequent on-off cycles, over-volting, power surges, obstructed ventilation, defective lamps and other such longevity-threats are not factored in.

Light (Fixture, Head, Luminaire, Instrument)

The contraption, regardless of name and shape, that surrounds the Lamp.

Lighting Director

The person responsible for lighting video productions.

Lighting Grid

An overhead pipe-like structure in a studio to support lights and electrical connectors.

Lighting Ratio

The ratio of Key-light plus Fill, vs. Fill-light only, using an Incident-light Meter. (If the first is 200 foot candles and the second 50, the ratio is 4:1, or a two stop difference).

Optimum and maximum Lighting Ratios depend upon subject matter, mood, media, and type of reproduction as well as personal tastes.

Location

An area used for shooting, or considered for use, other than a studio. And other than a place previously used by an inconsiderate crew.

Low-angle Light

The ideal Key for villains, monsters and nymphs bathed by sun reflected from limpid pools. See Motivated lighting.

Low-key

Lighting which results in predominantly grey to middle-black tones. Tip: use dark sets and wardrobes, hard lights, lots of flags and don't let the lab or lighting engineer "save" you.

Lux

A unit of measure of incident light (not reflected from the scene). The video and European counterpart of Footcandles. Formula: $fc \times 10.8 = Lux$.

M**Magic Hour**

The time of day (dusk or rarely, for us, dawn) when almost everyone would shoot almost everything, if only it lasted longer. Tip: use little or no fill, underexpose one or two stops, "drop" the 85 filter if you like blue or need more exposure.

Matte

A non-reflective, dull subject or surface. Tip: even semi-matte surfaces will glow, given sufficient Glare Light; little hope for dull subjects.

Motivated Lighting

Requires that photographic lights appear to come from actual sources. This can increase audience credibility and artistic integrity. Fantasy images? Anything goes.

Moving Sources (video/film)

Effective when justified by the action, baffling most other times. Exceptions: diffused sources moving with the cast and camera, outdoors or where background shadows are not a problem. Or when used symbolically.

Moving Subjects

Challenging, especially for those making the transition from stills. Tips: If you can rehearse the action, do it before you light and note where people pause. Don't attempt to light large areas evenly; movement is enhanced by intensity changes. If movement is not predictable, set the lights far away, and high, with half or graduated Scrim on the bottom to prevent subjects burning-up as they approach lights.

Multiple Shadows

Few things expose the novice and the artifice of our craft faster than redundant shadows, unless they are Motivated or done with a lot of style.

N**Neutral Density (gel)**

.3, .6, and .9 ND gels reduce light intensity by 1, 2, or 3 stops respectively, without a change in color or quality.

O**Opaque**

An object or material that does not transmit light.

P**Plane Lighting**

Visualize your subject, or the entire scene, as a series of planes at various angles to the lens. Position lights to reveal those planes effectively. Light planes to different levels of brightness. See Glare Angle.

Polarizing Filters

Polarizing camera filters can be set to reduce most glare as well as darken blue skies. Best camera angle: 90 degrees to the source. Light loss: approx. 2 stops. Tip: polarizing gels may be damaged if used close to high-wattage tungsten lamps.

Practical Light

A prop light seen in the shot that can be operated by the cast; sometimes doctored to control brightness, color or coverage.

R**Reflected Light**

The light reflected from a surface, after losses due to absorption and scattering. See Glare, Bounce and Spill for further reflections.

Reflected Light Meter

Aim meters that read reflected light at the subject or scene from the direction of the camera. Tip: besides exposure, they help you find the Brightness Ratio. Narrow-angle spot meters are indispensable for distant, unapproachable and tricky (inside furnace type) metering.

Reflectors

Curved contraptions that concentrate the Lamp's beam. And flat devices that recycle light from lights, sun and, at close range, even overcast sky. Tip: Lighting with reflectors is like lighting with lights, except no cables or no scorched fingers. Just wind-worries.

Rigs

Assemblies designed, or adapted, to support lights backgrounds, and paraphernalia of all persuasions.

Rim Light

Subjects appear to have seen the light, then turned their back on it. Angle: The source looks down the barrel of your lens when the subject moves.

S**Safety**

The dangers of our craft range from "mere" finger scorching to electrocution. Don't take chances with your epidermis, or anyone else's.

Scrim

For us, a metal screen used in front of a light to reduce intensity without Diffusion. But, thanks to the mystery and magic of show biz, other devices which do diffuse, are also called scrims. Tip: if you can see a clear image through the material, there's no diffusion or confusion.

Set

A construction designed for the convenient lighting and shooting of scenes.

Set Light

The video equivalent of Background Light.

Shade

Consider all the subtle shades of shade: wide-open, dappled, flat, side, kicker and back-lit varieties. Keep eyes and options open, Reflectors handy.

Shadows

The power of a shadow resides in its potential to reveal as well as conceal. Tip: Backlights and Low-angle lights can exaggerate shadows for dramatic or stylistic purposes.

Sharp

As applied to Shadows, a hard, clean edge. Tip: The further away subjects, Snoots and Flags are from a light, and the closer they are to backgrounds, the sharper their shadows will be. The edge of a spot beam produces sharper shadows than the center.

Side-light

This half-key-half-kicker hits subjects at an Angle of 90 degrees. It is doubly misused, at times, in matched-pairs, from opposite sides. See Dominance.

Silhouettes

Dark shapes and figures against light backgrounds can have impact, even on small screens.

Simplicity

Don't use more lights or Directions of light than you really need for the subject and mood.

Size and Distance

The larger the light, the softer its quality. However, the effective size of a source also depends upon subject size and distance. A large, distant source is, in effect, small and hard, (behold the sun). A four-square-foot Softlight, backed off to cover a car, is small, but lighting a watch, enormous.

Snoot

Snoots are front-of-the-light "tubes" that project a circle of light on a subject or background and reduce Spill. See Sharp. Tip: to create an ellipse, decrease the light-background angle.

Softlight

The soft-shadows and subtle-highlights produced by large, indirect, heavily Diffused or Bounced light, are so luscious, one wonders why this light isn't used for everything. At times, it seems to be. But the difficulty of hiding and controlling a soft source, especially for reverse angles, and its reluctance to "go the distance", limits its use. So does fickle fashion. The largest, cheapest soft source: an overcast sky.

Specular

A highly reflective, mirror-like surface. Tip: if your subject is specular and small, stick it in a translucent tent with a hole for your lens and douse it with light or surround it with white panels.

Spill

Spill, like glare and weeds, suggests something unloved. But spill does cut contrast—if that's what you need, Tip: Flags, Snoots, and Barndoors provide a little relief with Hard Lights, little relief with Soft ones.

Spot

To adjust a focusing light toward maximum intensity and minimum Beam Angle. Also, a Hard light.

T**Top-light**

Angle: Directly over the subject. Tip: If you want to light eyes, not nose-tops, save this one for non-human subjects. However, soft, top-front-light is ideal for some faces; top-back-light is often good for food photography.

Tungsten Filament

A lamp coil which emits light (and heat) when excited by AC or DC current.

Tungsten-halogen

A tungsten filament coil set in a regenerative halogen gas atmosphere which eliminates the premature, permanent blackening of the lamp envelope. Useful lamp life is extended, lamp size decreased.

V**Volts**

A measure of electrical "pressure". Formula: $volts=watts:amps$. Tip: to save bucks and save face, check lamp-voltages before plugging-in, and overseas voltages before grabbing your passport. Common volt-flavors: 12, 30, 120, 220, 230, 240 and in Japan, 100.

W**Warm**

Light, gels or subjects in the red-orange-yellow region of the color spectrum.

Watts

The intensity of different types and makes of fixtures will vary even if the watts and distance remain constant. That's what performance charts and meters are for.



Choosing a Light

Lowel lights and accessories are efficient, easy to use and dependable. Choosing the right light is a matter of determining your specific technical and aesthetic requirements. To help, we offer a few brief descriptions of hard & soft light, lighting fixtures, and the options for using them.

Hard lights:

- Produce strong, dramatic highlights and shadows unless diffused by user (example, the sun on a cloudless day).
- Can be used relatively far away from the subject.
- Generally require fill light to soften shadows and control contrast.
- Brightness and spill are fairly easy to control.

Focusing hard lights:

- Have beams that can be continuously varied from wide to narrow (flood to spot).
- Give the user control over the spread of the beam and the intensity of the light.
- Higher focusing ranges offer more control.

Lowel focusing hard light sources:

- **Pro-light:** 12, 30, 120v & 230v models; 50–250w
- **i & id-light:** 12/14v; 55, 100w
- **Omni:** 12, 30, 120, 220/240v; 100–500w.
- **DP:** 120, 220/240v; 500–1000w
- **Fren-L 650:** 120, 220/240v; 300–650w

Lowel non-focusing hard light sources:

- **L-light:** 120v; up to 300w
- **Lowel-light:** 120v; up to 500w

High intensity (super-spot) light:

- Throws hard light in a very narrow beam over long distance.

Lowel high intensity non-focusing (super-spot) light options:

- Are available via quick-change accessory reflectors for Lowel Omni & DP lights.
- Are also available by using Clear Safety Glass in the Front Housing with the Pro, i & id-lights.

Wide angle (broad throw) lights:

- Are semi-hard and non-focusing.
- Light large areas evenly.

Lowel wide angle light sources:

- **V-light:** 120, 220/240v; 500w
- **Tota-light:** 120, 220/240v; 300–800w

Soft lights:

- Consist of a relatively large, indirect light source (example, an overcast sky)
- Produce gentle, flattering, highlights and shadows.
- Need to be closer to the subject.
- Tend to spill and reduce contrast.
- Require little or no fill light.
- Work well as fill because it does not introduce hard shadows.

Lowel dedicated soft light sources:

- **Rifa-lite:** 120, 220/240v; (4 sizes); 250, 500, 750 & 1000w max. (efficient, quick set-up)
- **Light Array fluorescent:** 120v, 3 or 6-tube operation. Daylight or tungsten color temperatures, plus conventional fluorescent.
- **Caselite fluorescent:** 120v & 230v models; (2 sizes) 2-lamp 110w, 4-lamp 220w. Daylight or tungsten color temperatures.
- **LowelScandles fluorescent:** 120v; 8-lamp cluster of either 18 or 24w lamps. Daylight or tungsten color temperatures.
- **Lowel/Fluo-Tec fluorescent:** 120v, & 230v models; (5 dimmable & non-dimmable models housing 2-8 55w lamps) Daylight or tungsten color temperatures.

Compatibility & versatility:

- Both Tota/Omni and ViP systems consist of focusing and wide angle hard lights that work well together in most lighting situations. All can be converted to soft sources with accessories. Tota/Omni and ViP systems share many of the same light control and mounting components.
- Lowel fixtures such as the DP, Omni & Pro function in multiple modes: as a focusable spot/flood light; as a high-intensity super-spot light (with an inexpensive accessory reflector for DP & Omni or Clear Glass with Pro & i); and as a soft source (with an umbrella or diffusion).



Controlling the Light

Lowel has a wide range of professional light control tools. To help you select and use the most appropriate ones, we offer the following suggestions:

To diffuse & soften light:

- Use umbrella attached to Tota, Omni, V, L-light (with stand-fitting), DP, or Fren-L-650 (with Gel-brella Bracket).
- Use Frost Gel on Gel Frames of Tota, V, L-light, Pro, i, Omni, Fren-L-650 and DP, or clip to Barndoors of Caselite and Light-Array.
- Use Diffused Glass accessory in Barndoor frame of Omni or DP, or as Swing-in Accessory on Pro, i & id.
- Use Frame-up and Diffusion Gel with any light.
- Bounce light off white (color neutral) wall or ceiling.
- Bounce light off large, white panel attached to a Maxa-mount, Lobo and stand.

To reduce overall brightness:

- Flood a focusing light, move the light back, or partially close Barndoors.
- Use full scrim in Omni, Pro, i, Fren-L, or DP light.
- Use lower wattage lamp.
- Use neutral density gel on a Gel Frame or Frame-up.
- Switch off lamps in Light-Array, Caselites, LowelScandles or Lowel Fluo-Tec non-dimmable models. Use Lowel Fluo-Tec dimmable models (all fluorescent).
- Use LowelDimmer.
- On camera-top, use id-light.

Note: Tungsten lamps shift color temperature when dimmed. Scrim and neutral density gels do not diffuse or soften, they only reduce intensity. Translucent diffusion materials do both.

To reduce brightness in some areas:

- Use Barndoor or Tota-shades to shadow specific area.
- Use 1/2 or graduated scrim in Barndoor to darken an area; rotate as needed.
- Use a Tota-flag.
- Use Blip-set, Fin-S or Hollywood Strip for finessing fine details of control.
- Use neutral density gel on Frame-up to shade subject, walls, etc.
- Use Snoot on Omni, Pro, i, id, Fren-L and DP light.

To increase brightness:

- Use maximum wattage recommended lamps.
- Focus toward spot position.
- Use super-spot options with Omni Pro, i, id and DP for high-intensity or long throws (area covered will be greatly reduced).
- With Rifa-lite, swap standard front-screen Diffuser for higher-output Lite Diffuser accessory (shadows become sharper).

To control spill:

- Use Barndoors Tota-shades, or Snoots, if available.
- For small lights, use Tota-flags on Flexi-shafts attached directly to the light or to a Tota-tatch, Tota-clamp, Tota-daptor or Flag-link.
- Use Tota-flags if Barndoors do not sufficiently control spill. (**Note:** the further from the light, the sharper the shadow).
- With Rifa-lite add fabric Egg-Crate or Baffle.

To correct for daylight:

- For tungsten, use Day Blue Gel or on a Gel Frame, clip directly to Barndoors or clothespin to velcro pockets of Rifa. Blue gels fade quickly, if light is near spot setting. Check and replace as needed to assure consistent color.
- Use Dichroic Filter in Barndoor of Omni, i, id, Pro and DP Lights.
- Use daylight tubes in fluorescent fixtures.

To color the light:

- Use colored gel on Gel Frames or clip to Barndoors or Frame-up with Gel-jawz.
- Use gold reflector in Omni or DP for "warm" candlelight, fire-light or sunset effects.
- Take advantage of "off-color" sources (relative to photographic lights), such as windows, to add blue or other color accents.

To prevent "washing-out":

In film and video, when subjects moving toward a light become too bright and moving away they become too dark, try one of the following:

- Use Graduated or Half Scrim on Pro, i, id, Fren-L 650, Omni or DP with screen area on the bottom of the light. Position light high enough to provide gradual shading of moving subject.
- Use neutral density or Frost Gel over bottom 1/2 of a Gel Frame. Can be used with Tota, V, Omni and DP as above.
- Use Variflector to reflect light, flooding it as subject moves closer.

To provide fill light on exteriors:

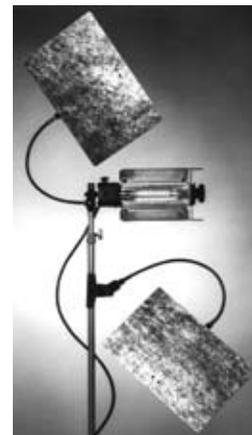
- Use Variflector to reflect the sun. Flood it to avoid excessive fill.
- Use Lightflectors or Tota-flector for small areas.
- Use Omni, i, id, Pro-light or Rifa-44 with 12 or 30v lamps, appropriate cable, and battery.
- See "To correct for daylight".
- To avoid the need for fill, shoot in shaded area or when sky is overcast.

To improve camera-top lighting:

- Use id-light for dimming with variable focusability. (Note: Tungsten-halogen lamps shift color temperature when dimmed.)
- Use low wattage lamps to avoid overwhelming available light.
- Soften with Swing-in Diffuser on Pro and i/id.

Using Batteries

Lowel does not offer rechargeable batteries. However, portable battery packs for the Pro, i, id & Omni lights are available through many Lowel Dealers. Lowel has accessory plugs for the most common connector styles. See the various systems components sections for more information.



Choosing & Using Mounts

Lowel offers a wide range of components that handle a variety of mounting situations. To help you select and use the most appropriate ones, we offer the following thoughts.

To select stands:

- Use Uni & Uni TO Stand for V, i & Pro-lights and small accessories.
- Use Omni, & Uni TO Stands for the above and for Tota, Omni, Rifa-44, Lightflector and small to medium flags.
- Use KS Jr. & Uni Sr. Stands for the above, plus DP, Fren-L, Rifa-55 & 66, when compact packing is important.
- Use KS Stand for the above, plus Rifa-88, Basic Boom, large flags, and reflective panels.
- Use KSA Stand for the above when air cushioning or black "camouflage" is desirable.
- Use Grand Stand for heavy equipment, booms, Variflector, leveling capability (especially outdoors), great heights and air cushioning.

To extend stands:

- Use Pole or Half Pole on KS, KSA or Grand Stand.
- Use Lobo & Lobo Arm, or Missing Link & Double Male Stud or Lobo Arm for small lights.

Note: For safety, never over-extend stands, test for stability, use weights. Pole & Half Pole have been extended in overall length to allow safer use at original length, leaving more overlap in riser sections.

To stabilize stands:

- On grass or sand, push Anchors through holes in legs of KS, KSA or Grand Stand.
- Add Lowel Weight to struts of any Lowel stand.
- Use cables, cases, tape or whatever works safely.

To wheel stands:

- Attach casters to KS, KSA and Grand Stands for heavy equipment, booms, etc. (casters can be locked in position).

To mount lights below standtops:

- Use Tota-clamp, Grip and Interlink or Double Male Stud, Lobo with Lobo Arm or Lobo with Double Male Stud from Interlink.

To boom lights:

- Use a KS, KSA or Grand Stand, Grip and one or two Lowel Weights as needed.
- Use Lobo & Lobo Arm for small lights.

To clamp lights on small spans (stands, poles, etc.):

- Use Tota-clamp or Grip with Interlink or Double Male Stud.
- Use Missing Link with Double Male Stud or Spring-loaded Stud Clamps.

To clamp lights across large spans (columns, beams, etc. up to 8 feet):

- Use Space-clamp (with extension bars as needed).

To mount lights on walls or windows:

- Attach Tota-mount with Gaffer-tape for Tota, Omni, V, i or Pro lights.
- Mount Lowel-light or L-light with Mounting-plate directly with Gaffer-tape.

Note: For safety, never tape lights to ceilings. Do not use Gaffer-tape on wallpaper or painted surfaces. Rub tape thoroughly onto clean surface. Never use with heavy lights.

To mount lights on door tops:

- Hang Tota-mount on top of door (open or closed) for Tota, Omni, V, i, or Pro lights.

To mount lights on dropped ceiling grids:

- Attach light-weight lights or accessories with Scissor-mount to T-bar of ceiling grids. Extend and articulate with Missing Link & Double Male Stud.

Note: For safety, never use near flammable materials or automatic sprinklers; test grid for stability.

To put small lights on floors or tables:

- Use Vipod with Stud-link.
- Use Home-plate with Scissor-mount.

To mount lights on top of studio sets:

- Use Screw-in Stud or Space-clamp for small and medium-sized lights.

To mount lights on video cameras:

- Use Low-link, L-link, or Stud-link for Pro and i/id lights.
- Use Cam-link with any of the above for Pro and i/id lights.

To mount large white reflector boards:

- Attach foam core, etc. to Maxa-mount with tape.
- Position Maxa-mount with Lobo or Grip on KS Stands.
- Use weight on Maxa-mount or stand if needed.

To float object in "limbo":

- Attach prop or product to Maxa-mount with tape.
- Slip Maxa-mount through hole in seamless paper or background.
- Use Lobo to support Maxa-mount on stand behind paper.
- Use counter-weight on Lobo Arm if needed.

To support seamless paper and background:

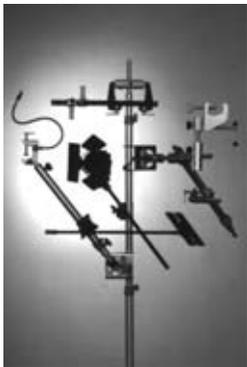
- Use two KS Stands, two Grips or Interlinks, two Full Poles.

To convert stands or clamps to "tripods":

- Add Tota-tilter to top of stand or clamp for emergency mounting of small still cameras and accessories.

To increase safety:

- Use an adequate stand or clamp (based upon weight, extension and conditions).
- Use weights on stands when appropriate.
- While mounting lights overhead, clear people from below.
- Test clamp and mount installations carefully. Screw on stand-fitting must be seated in undercut of stud.
- Always use safety cables on lights attached to overhead pipes, grids, etc.
- Use ground Anchors or Weights on outdoor reflectors. Lay them down when not in use.



Choosing a Kit

Each Lowel Kit has been created from one or more of our lighting systems to offer the user a selection of lights and components at a savings over individual prices. To help you choose the best kit for your needs, review the following questions. If you have additional questions, see your Lowel dealer or call us.

What about watts?

- Total kit "wattage" does not tell the full story. Some types of lights are more efficient than others (higher foot candle readings, or larger area coverage) due to more efficient optical design.
- Direct (hard) lights offer greater output per watt than indirect (soft) lights.
- For performance data, see charts with individual fixtures in Light Systems section.

Which is more important, speed or control?

- For fast action set-ups, where finesse is not practical, choose a basic kit.
- Where subtlety or dramatic effects are important, or where difficult mounting problems exist, more elaborate kits are appropriate.

Want to customize a kit?

- Many Lowel kits have room for additional equipment: umbrellas, flags, clamps and with some kits, another light and stand.
- You can also order an empty case and just the equipment you need to assemble your own kit.

Need to balance tungsten to daylight, or conventional fluorescent light?

- Choose a kit with lots of gel-frames and plan to use daylight or fluorescent correction gel filters.
- Or choose a kit with lights that accept dichroic filters (daylight correction only).
- For soft key & fill, consider fluorescent systems with conventional or daylight corrected lamps.

Need super-portability?

- Lowel Kits are extremely portable—even those with four or more lights, stands and accessories.

Safety

Lowel lights and accessories are professional lighting products for photographic image production. They should be used with caution and care. Considerable light and heat are generated. It is important to fully read the information included in each products instruction sheet. If you have questions about the safe use for any of our products, or need copies of instruction sheets, please contact us or an authorized Lowel dealer.

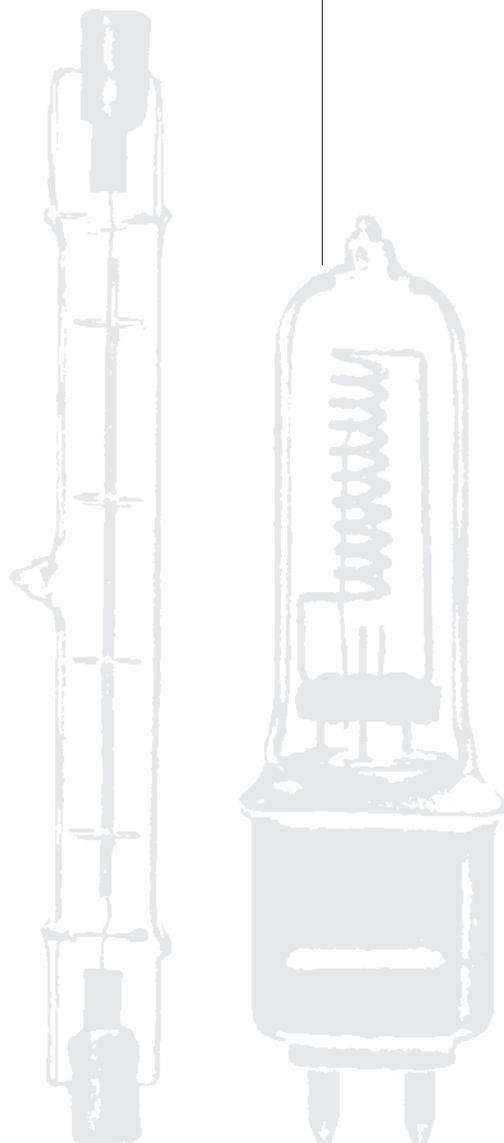
Safety screens &

- Tota, Omni and DP lights all come with safety screens that attach to the front of the fixture to prevent touching the lamp, as well as providing added protection in the case of an exploding lamp. Safety screens must always be used. If you own older fixtures (pre-1990) without safety screens, please contact us and we'll send you free safety screens for your lights.
- Rifas must always be used with front diffuser attached.
- V-lights must always be used with safety glass cylinder installed, surrounding lamp.
- Pro & i must be used with integral front housing & safety glass (prismatic or clear).

Lamp-life & safety information

- Read lamp and fixture instructions including safety warnings.
- Line voltage (or battery voltage) should not exceed lamp voltage.
- Do not touch lamp glass with bare hands even when cold. If touched, clean promptly as body oils shorten lamp-life.
- Install and remove double-ended lamps carefully, with two hands, to avoid damaging porcelain ends.
- Operate fixture in recommended positions only (see fixture instructions). Using some fixtures upside down, sideways or aimed straight down will shorten lamp-life.
- Never block light's ventilation with foil or other materials.
- Avoid turning fixtures on and off frequently as current surges shorten lamp life.
- Two-pin lamps must be fully inserted into their sockets to prevent damage to both lamps and sockets.
- Replace sockets if their contacts are loose or pitted, otherwise, the life of future lamps will be affected.

- Avoid excessive vibration and very fast spot-flood changes when lamps are on.
- Not all lamps are created equal. "Average" Manufacturer's lamp-life ratings mean 50% fail before, 50% fail after, rated life.
- The unusually short life of several identical lamps (bulbs) may indicate a defective manufacturing run. Send us lamp name, code, run number, selling dealer, fixture used and, if possible, failed lamps.
- Lamps should remain in fixtures for normal travel to avoid extra handling and possible damage.
- In situations where it is impractical to interrupt shooting, it is advisable to install new lamps in all fixtures prior to shoot.
- Tungsten-halogen (Quartz) lamps maintain their initial output and color temperature ("Kelvin) with relative consistency until they fail.



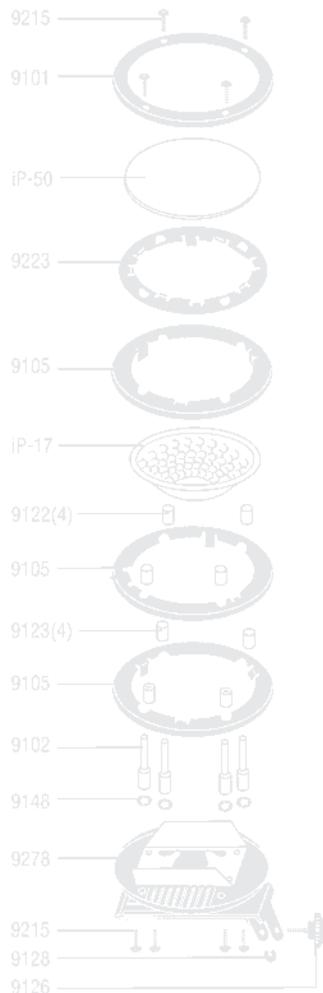
Lowel Dealers

Our equipment is sold only through authorized Lowel dealers in the United States and Canada, as well as any other country where there is a Lowel distributorship. Please contact us for any further information concerning your nearest Lowel dealer.

Repairs, Replacement Parts

Although we sell our products only through authorized dealers in the USA, repairs are made and replacement parts are sold directly to the consumer, as well as through dealers. In the event that repairs or replacement parts are required, contact our factory in Brooklyn or your Lowel dealer.

Contact us for a free parts booklet, with order form or download it from our website: www.lowel.com.



Warranty

Limited Warranty

Lowel-Light Manufacturing, Inc. ("Lowel") warrants that its products (other than those products, which by their nature, are consumed), under normal use, in accordance with operating instructions, will perform to the specifications published by Lowel at the time of purchase, for the following periods, from the date of purchase by the consumer.

Five Years: with respect to stands and poles.

Two Years: with respect to lighting fixtures only.

One Year: with respect to all other products (other than those products which by their nature are consumed).

Lowel warrants that those products, which by their nature are consumed, such as gels and Gaffer-tape, under normal use, in accordance with instructions for use, will perform to the specifications published by Lowel at the time of purchase.

In the event of a defect reported by the consumer within the applicable time period, if any, Lowel will, at its option, replace or repair the defective merchandise at no charge to the consumer for either parts or labor.

The consumer should be aware that Lowel does not manufacture lamps and therefore makes no warranty with respect to these products. However, the warranty of the manufacturer of such products, if any, shall be assigned to consumer if permitted by such manufacturer.

Repairs and Replacement Parts

If Lowel shall, upon the request of the consumer, install, alter, modify or repair any Lowel product, or component thereof, then Lowel shall warrant such product, or component, from the date of installation, alteration, modification, or repair, in accordance with the specifications published by Lowel for the applicable time period, if any, for such period or component, and under the conditions, limitations, and procedures set forth in this warranty. Lowel will not be responsible for any loss, damage, or expense of any kind resulting from the installation, alteration, modification, or repair of any Lowel product by any entity other than Lowel.

Procedure

In order to make a claim under the above warranty, the consumer must, within the applicable time period, if any, bring or send, postage paid, the defective product and proof of purchase (or, if applicable, proof of installation, alteration, modification, or repair by Lowel) to the consumer's Lowel dealer or to the Lowel factory in Brooklyn, N.Y.

Warranty Exclusions

THE WARRANTY SET FORTH ABOVE IS THE ONLY WARRANTY MADE BY LOWEL WITH RESPECT TO LOWEL PRODUCTS AND LOWEL DISCLAIMS ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ANY LIABILITY WITH RESPECT TO SAME WHETHER IN CONTRACT, TORT OR OTHERWISE. IN NO EVENT SHALL LOWEL BE LIABLE FOR LOST PROFITS, OR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES INCURRED BY THE CONSUMER.

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

General

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Trademarks

The Lowel-Light Mfg., Inc. signature shown below and the following are trademarks of Lowel-Light Manufacturing, Inc.: Lowel Omni-system, Lowel Omni-light, Lowel Tota-system®, Tota-light®, Lowel DP Light, Lowel Softlight 2, Lightflector, Variflector, Frame-up, Lobo, Lowel Light Array, Lowel ViP System, Lowel Pro-light, Lowel i-light, Lowel V-light, LowelDimmer, GO Kits, Missing-Link, Fren-L 650, Lowel Gel File, Rifa-lite®, Tota-shade, Fin-S, Litebags, Core Kits, Gel-jawz, Caselite®, Lowel Fluo-Tec, LowelScandles, IR DMX Controller, and IR DMX Translator. This is only a partial list and does not include all trademarks currently owned. Velcro is a registered trademark (not owned by Lowel)

Changes

We reserve the right to change, in whole or in part, prices, product specifications, products offered, terms and conditions of sale, and policies without notice.



By Code

A1-10	Complete Lowel Light-Array	23	D2-70	Day Blue	38	FLE-CM	e-studio Overhead Bracket	35	GF-10	Tota/Omni Gel File	35
A1-11	Light-Array Head	23	D2-71	ND 3	38	FLE-200CM	e-studio2 (Ovrhd Mnt.)	35	GF-15	DP Gel File	35
A1-12	Light-Array Ballast	23	D2-72	Frost	38	FLE-400CM	e-studio4 (Ovrhd Mnt.)	35	GF-20	Standard Gel File	35
A1-13	Light-Array Boom	23	D2-78	Mixed Gels	38	FLE-600CM	e-studio6 (Ovrhd Mnt.)	35	GLF/P44	230v, 235w, 3200K, 100hr	5
A1-30	Standard 4-foot Repl. Reflector	23	D2-93Z	DP 3 Kit	58	FLE-200SF	e-studio2 (Stand Mnt.)	35	GO-01	6 x 4" Partition	40
A1-33	Ballast Extension Cables	23	D2-94Z	DP 4 Kit	58	FLE-400SF	e-studio4 (Stand Mnt.)	35	GO-02	7.75 x 4" Partition	40
A1-72	Array Frost Gel	39	D2-96Z	DP Super Remote Kit	59	FLE-600SF	e-studio6 (Stand Mnt.)	35	GO-03	4.5 x 4" Partition	40
A1-86	Full Array Case	47	D2-97Z	Close Quarters Kit	58	FLS-100	IR DMX Controller	32	GO-04	3 x 4" Partition	45
A1-87	Fluorescent Tube Case	47	DMX-010	10ft DMX Cable	32	FLS-120	IR DMX External Sensor	32	GO-05	22.75 x 4" Partition	45
A1-90	Full Array Kit	67	DMX-025	25ft DMX Cable	32	FLS-150	IR DMX External Translator	32	GO-85	GO 85 Case	44
BL-10	Matters of Light & Depth by Ross Lowell	68	DMX-050	50ft DMX Cable	32	FLS-250CYDM	Studio 250cy Dimmable	31	GO-92LBZ	GO Pro-visions Kit with Soft Case	51
BR-1	Replacement Flap	18	DPR-95Z	DP Core 95 Kit	60	FLS-250CYDM230	Studio 250cy Dimmable, 230v	31	GO-92Z	GO Pro-visions Kit	51
BR-2	Complete Bulbmount only	18	DPR-96Z	DP Core 96 Kit	60	FLS-250CYND	Studio 250cy Non-Dimmable	31	GO-96LBZ	T/O GO 96 Kit with Soft Case	55
BR40	Barndoor	18	DPR-98Z	DP Core 98 Kit	60	FLS-250CYND230	Studio 250cy Non-Dimmable, 230v	31	GO-96Z	T/O GO 96 Kit	55
CF-20	Caselite2	25	DPT-90Z	Mini-DP&T Kit	59	FLS-250DM	Studio 250 Dimmable	30	GO-97LBZ	T/O GO 97 Kit with Soft Case	55
CF-20CE	Caselite2 (Euro/CE approved)	25	DPT-91Z	DP&T-91 Kit	59	FLS-250DM230	Studio 250 Dimmable, 230v	30	GO-97Z	T/O GO 97 Kit	55
CF-21	Caselite2 Barndoor/Intensifier	25	DPT-92Z	DP&T-92 Kit	59	FLS-250DM230	Studio 250 Dimmable, 230v	30	GO-97Z	T/O GO 97 Kit	55
CF-22	Caselite2 Egg Crate	25	DPT-93Z	DP3 Jr. Kit	58	FLS-250ND	Studio 250 Non-Dimmable	30	GO-98LBZ	T/O GO 98 Kit with Soft Case	55
CF-22	Caselite2 Egg Crate	25	DT-33	KS Jr. Stand	40	FLS-250ND230	Studio 250 Non-Dimmable, 230v	30	GO-98Z	T/O GO 98 Kit	55
CF-24	Caselite2 Rain Cover	25	DT-61	DP/Tota Lampak	49	FLS-450DM	Studio 450, Dimmable	30	GS	Grand Stand	40
CF-35	Mounting Plate	25	DT-83	DP-Uni Case	45	FLS-450DM230	Studio 450, Dimmable, 230v	30	GT-12	Gaffer Tape (12 yds)	19
CF-36	Stand-Fitting Tilt Bracket	25	DT-84M	DP3 Case	47	FLS-450ND	Studio 450, Non-Dimmable	30	GT-30	Gaffer Tape (30 yds)	19
CF-40	Caselite4	25	DTF-84	DP3 Fren-L Case	47	FLS-450ND230	Studio 450, Non-Dimmable, 230v	30	i-01	i-light Complete Set with Cigarette Plug Connector with 4 pin XLR	7
CF-40CE	Caselite4 (Euro/CE approved)	25	DV-901LBZ	Lowel DV Creator 1 Kit with Soft Case	64	FLS-55DA	Studioline 55w/5600K	28	i-02	with Anton Bauer Tap	7
CF-41	Caselite4 Barndoor/Intensifier	25	DV-901Z	Lowel DV Creator 1 Kit	64	FLS-55TU	Studioline 55w/3200K	28	i-045	with Anton Bauer Tap	7
CF-42	Caselite4 Egg Crate	25	DV-9023Z	Lowel DV Creator 44 Kit with TO-83 Case	65	FLS-650DM	Studio 650 Dimmable	30	i-100	12/14v, 100w, 3200K, 500 hr	6
CF-44	Caselite4 Rain Cover	25	DV-902LBZ	Lowel DV Creator 44 Kit with Soft Case	65	FLS-650DM230	Studio 650 Dimmable, 230v	30	i-55	12/14v, 55w, 3200K, 500 hr	6
CF-55DA	DuluxL55w/12-950 (Daylight)	24	DV-902Z	Lowel DV Creator 44 Kit	65	FLS-650ND	Studio 650 Non-Dimmable, 230v	30	i-85	Cig. Lighter 10" Extension Cable	9
CF-55TU	DuluxL55w/32-930 (Tungsten)	24	DV-9034Z	Lowel DV Creator 55 Kit with TO-84Z Case	65	FLS-850DM	Studio 850 Dimmable	30	i-86	Anton Bauer Battery Tap	9
CF-92DA	Caselite2 Daylight Kit	62	DV-903LBZ	Lowel DV Creator 55 Kit with Soft Case	65	FLS-850DM230	Studio 850 Dimmable, 230v	30	id-01	id-light Complete Set with Cigarette Plug Connector	7
CF-92TU	Caselite2 Tungsten Kit	62	DV-903Z	Lowel DV Creator 55 Kit	65	FLS-850ND	Studio 850 Non-Dimmable	30	id-02	with 4-pin XLR	7
CF-94DA	Caselite4 Daylight Kit	62	DVC-91	DV Core 250 Kit	52	FLS-850ND230	Studio 850 Non-Dimmable, 230v	30	id-045	with Anton Bauer Tap	7
CF-94TU	Caselite4 Tungsten Kit	62	DVC-913	DV Core 250 Kit with TO-83 Case	52	FR1-10	Fren-L 650 w/barndoors	17	IP-14	Pro/i Retrofit Kit	7
CL-10	Hollywood-strip	38	DVC-91LB	DV Core 250 Kit with Soft Case	52	FR1-11	Fren-L 650 w/barndoor holder	17	IP-18	Pro-light Front Housing	7
CL-15	Gel-jawz (Pkg of 8)	38	DVC-92	DV Core 500 Kit	52	FR1-20	Set of 4 leaves	17	IP-20	VIP 4-Way Barndoor	8
CL-21	Fin-S (1)	38	DVC-92LB	DV Core 500 Kit with Soft Case	52	FR1-22	Rectangular leaf (1)	17	IP-21	Barndoor Frame	8
CL-24	Fin-S (4)	38	DVP-94	DV Pro 44 Kit	53	FR1-23	Triangular leaf (1)	17	IP-22	Expandable Rectangular Leaf	8
CL-50	Blip-clip (2)	38	DVP-94LB	DV Pro 44 Kit with Soft Case	53	FR1-25	Gel-brella & Flexi-shaft Bracket	17	IP-23	Expandable Triangular Leaf	8
CL-52	Blips (2)	38	DVP-95	DV Pro 55 Kit	53	FR1-53	Snoot	17	IP-24	Non-expandable Leaf	8
CL-55	Blips (5)	38	DVP-95LB	DV Pro 55 Kit with Soft Case	53	FR1-54	Full Scrim	17	IP-24	Clip-leaf (only)	19
CL-85	Compact Fluorescent Case	49	DYG	30v/250w, 3400K, 15 hr	11	FR1-55	Half Scrim	17	IP-25	2-Way Barndoor	8
CL-90	Blip Set	38	EHC	120v/500w, 3200K, 300 hr	14	FR1-56	Graduated Scrim	17	IP-30	Swing-in Accessory Holder	8
CM-10	Maxa-mount	38	EHD	120v/500w, 3000K, 2000 hr	14	FR1-58	Set of 3 Snoot patterns	17	IP-35	Pro & i Focus Knob Extension	7
CM-11	Maxa-mount & Lobo	38	EHF	120v/750w, 3200K, 300 hr	14	FR1-59	Fren-L Lampak	49	IP-40	Pro & i Gel Frame	39
CM-20	Scissor-mount (2)	42	EHG	120v/750w, 3000K, 2000 hr	14	FR1-61	Fren-L 650 3 Kit	56	IP-49	Pro & i Clear Safety Glass	7
CM-21	Gridlock (Scissor-mount with L-link)	9	EHZ	120v/300w, 2900K, 2000 hr	10	FR1-93Z	Fren-L 650 Lite 3 Kit	56	IP-50	Diffused Glass only	8
CM-30	Big-foot	42	EKB	120v/420w, 3200K, 75 hr	11	FR1-95Z	Fren-L 650 Lite Core Kit 95	57	IP-50H	Diffused Glass with Holder	8
CM-31	Big-foot & Scissor-mount	42	EMD	120v/750w, 3200K, 400 hr	10	FR1-96Z	Fren-L 650 Lite Core Kit 96	57	IP-51	Dichroic Filter only	8
CM-50	Safety Cable (3)	42	EMF	240v/800w, 3200K, 250 hr	10	FR1-98Z	Fren-L 650 Core Kit 98	57	IP-51H	Dichroic Filter with Holder	8
CP/96	120v/300w, 3400K, 75 hr	21	EYL	12v/100w, 3200K, 50 hr	11	FRG	120v/500w, 3200K, 150 hr	16	IP-52	Prismatic Glass only	8
CP/97	230v/300w, 3200K, 75 hr	21	F1-15	Standard Frame-up	39	FRH	220v/500w, 3200K, 150hr	16	IP-52H	Pro & i Prismatic Glass with Holder	8
D2-10	DP Light	15	F1-30	Lobo	42	FRJ	240v/500w, 3200K, 150 hr	16	IP-53	Snoot	8
D2-15	#1 Reflector	15	F1-40	Lobo Arm	42	FRK	120v/650w, 3200K, 150 hr	16	IP-54	Full Scrim only	8
D2-17	#3 Reflector	15	F1-41	Lobo & Lobo Arm	42	FRL	220v/650w, 3200K, 150 hr	16	IP-54H	Full Scrim with Holder	8
D2-18	#4 Reflector	15	F1-70	Day Blue	38	FRM	240v/650w, 3200K, 150 hr	16	IP-55	Half Scrim only	8
D2-19	DP Light Protective Screen	15	F1-71	ND 3	38	FSH	120v/125w, 3200K, 500 hr.	4	IP-55H	Half Scrim with Holder	8
D2-20	Complete Barndoor	15	F1-72	Frost	38	FSK	240/50, 300w, 3200K, 150 hr	16	IP-56	Graduated Scrim only	8
D2-21	Barndoor Frame	15	FCM/HIR(FWM)	120v/650w, 3200K, 400 hr	10	FSL	220/30v, 300w, 3200K, 150 hr	16	IP-56H	Graduated Scrim with Holder	8
D2-22	Rectangular Leaf	15	FCZ	120v/500w, 3000K, 2600 hr	10	FTK	120v/500w, 3200K, 100 hr	11	IP-70	Day Blue Gels	38
D2-23	Triangular Leaf	15	FDN	120v/500w, 3200K, 400 hr	10	FVL	120v/200w, 3200K, 200 hr	21	IP-71	ND 3 Gels	38
D2-24	DP Frame	35	FEL	120v/1000w, 3200K, 300 hr	14	FVM	120v/105w, 3200K, 250 hr	21	IP-72	Frost Gels	38
D2-25	DP Brella (Standard/Silver)	33	FEP/220	220v/1000w, 3200K, 150 hr	14	GCA	120v/250w, 3200K, 500hr	5	IP-78	Assorted Gels	38
D2-26	DP Brella (Special/White)	33	FEP/240	240v/1000w, 3200K, 150 hr	14	GCB	30v/200w, 3200K, 100 hr	5	IP2-19	#2 with Front Housing & Clear Glass	7
D2-50	Diffused Glass	15	FKR/230	230v/650w, 3100K, 300 hr	14	GCC	12v/100w, 3200K, 100 hr	5	JC14.5V-50WC	12/14v, 50w, 3200K, 100 hr	5
D2-51	Dichroic Filter	15	FKW	120v/300w, 3200K, 150 hr	16	GCD	120v/500w, 3200K, 150 hr	11	JCD120V-300WC	120v/300w, 3200K, 100 hr	11
D2-52	Clear Glass	15				GCD	230v/500w, 3200K, 150 hr	11	JCD230V-300WC	230v/300w, 3200K, 75 hr	11
D2-53	Snoot	15				GDA	120v/500w, 3150K, 100 hr	4	JCD240V-500WC	240v/500w, 3200K, 50 hr	11
D2-53Z	DP Narrow Snoot	15									
D2-54	Full Scrim	15									
D2-55	Half Scrim	15									
D2-56	Graduated Scrim	15									
D2-57	Cookaloris	15									
D2-61	DP/Rifa Lampak	49									

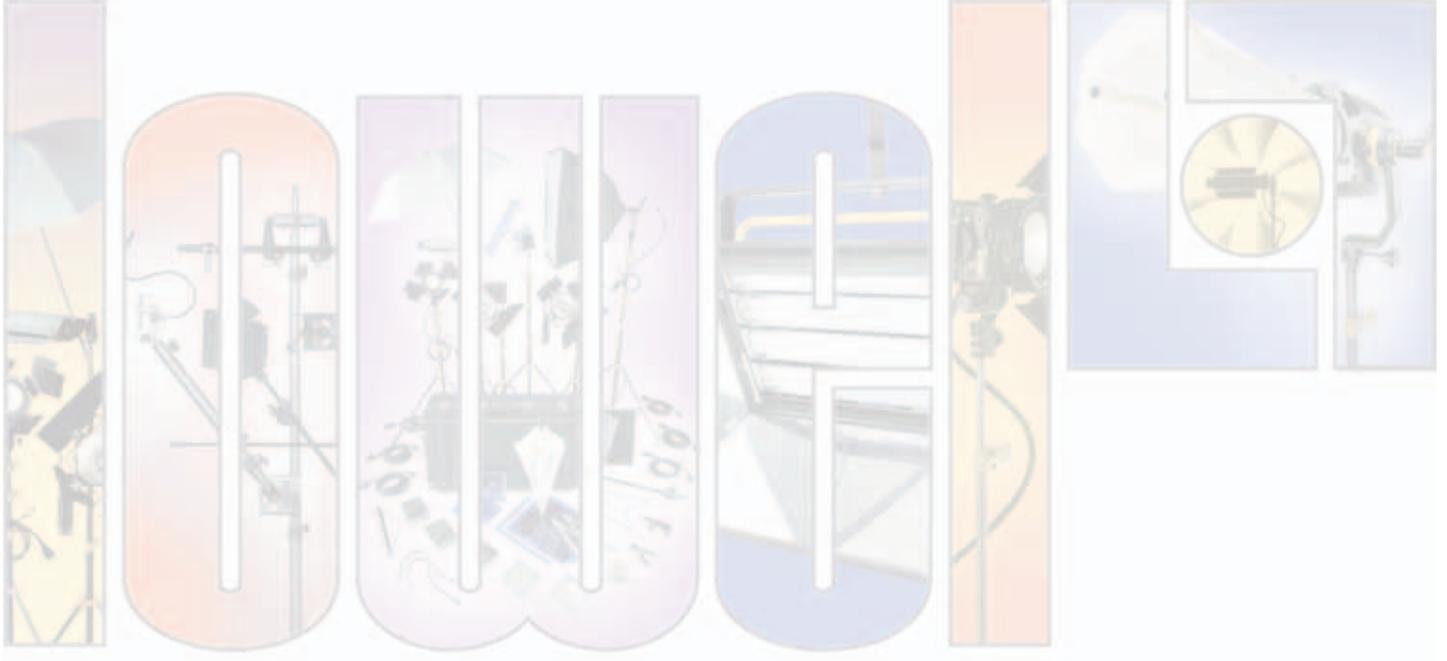


By Code

JCV220V-500WBM	220v/500w, 3000K, 2000 hr	14	LC-88	1000w max. Rifa-lite	21	01-17	#3 Reflector	12	T1-71	ND 3	38
JCV240V-500WBM	240v/500w, 3000K, 2000 hr	14	LC-88D	Standard Diffuser for LC-88	21	01-18	#4 Reflector	12	T1-72	Frost	38
K1-10	Interlink	44	LC-88EC/30	30° Egg Crate for LC-88	22	01-19	Omni-light Protective Screen	12	T1-78	Assorted Gels	38
K1-11	Double Male Stud	44	LC-88EC/40	40° Egg Crate for LC-88	22	01-20	Complete Barndoor	12	T1-80	16' Tota/Omni Cable	13
K4CC	Cable Clips (10)	9	LC-88EC/50	50° Egg Crate for LC-88	22	01-21	Barndoor Frame	12	T1-801	Tota Eurocord 16 ft. (5m)	13
K5BR	Lowel-light K5BR Kit	67	LC-88LD	Lite Diffuser for LC-88	21	01-22	Rectangular Leaf	12	T1-802	Tota UK cord 16 ft. (5m)	13
K5C	Lowel-light K5C Case	47	LC-9456	Rifa Small Triple Soft Kit	64	01-23	Triangular Leaf	12	T1-808	10' Unswitched Cable	13
KCC	Cable Clips (40)	9	LC-9456LB	Rifa Small Triple Soft Kit with Soft Case	64	01-33	Omni-stand	36	T1-82	Tube Case	45
KCL	Ceiling Link	41	LC-94LBZ	Rifa 44 Kit with Soft Case	62	01-50	Diffused Glass	13	T1-903Z	GO Tube Kit with TO-83 Case	54
KG	Grip	43	LC-94Z	Rifa 44 Kit	62	01-51	Dichroic Filter	13	T1-90LBZ	GO Tube Kit with Soft Case	54
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