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

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2004 Update
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

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<td>34</td>
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Light Controls
- IR DMX Translator
- IR DMX Controller & IR Sensor
- Small Lightflector
- Rifa Daylight Gels

Mounts
- Uni Sr. Stand
- Uni TD Stand

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

New Lowel Kits
- Kits (including System Plus, Caselite, Scandles, Multi System)

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

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.

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.

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.

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

Patents
- Tape up, clamp-on Lowel-light
- Fold up barndoors
- Roll-up, foldable Variflector
- 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
- Studio fluorescent DMX addressing
- 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.
ViP System

V-light

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

**Performance**

With 120v, 500w, 3150°K, GDA lamp

<table>
<thead>
<tr>
<th>Doors Normal</th>
<th>15</th>
<th>25</th>
<th>35</th>
<th>45</th>
<th>55</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doors at 180</td>
<td>187</td>
<td>25</td>
<td>35</td>
<td>45</td>
<td>55</td>
</tr>
</tbody>
</table>

**Foot Candles** (Lux = foot candles x 1.8)

<table>
<thead>
<tr>
<th>Doors Normal</th>
<th>15</th>
<th>25</th>
<th>35</th>
<th>45</th>
<th>55</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doors at 180</td>
<td>187</td>
<td>25</td>
<td>35</td>
<td>45</td>
<td>55</td>
</tr>
</tbody>
</table>

**Beam Angles**

- Normal: 15°
- Vertical: 74°
- Horizontal: 72°

**V-light**

**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.**

**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**

<table>
<thead>
<tr>
<th>Lamp Code</th>
<th>Volts</th>
<th>Watts</th>
<th>°K</th>
<th>Avg Life</th>
<th>Dooms Norm Doors 180°</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDA</td>
<td>120</td>
<td>500</td>
<td>3150</td>
<td>100 hr</td>
<td>43 (465) 25 (270)</td>
</tr>
<tr>
<td>VI-240/250</td>
<td>240/250</td>
<td>500</td>
<td>3150</td>
<td>100 hr</td>
<td>37 (395) 20 (215)</td>
</tr>
</tbody>
</table>

The above lamps are low-pressure lamps.

Tota and V lamps are not interchangeable.

**Foot Candles**

- **Doors Normal**
  - 180°: 187
  - 25°: 25
  - 35°: 35
  - 45°: 45
  - 55°: 55

**Lamp Beam Angles**

<table>
<thead>
<tr>
<th>15°</th>
<th>25° (Vert)</th>
</tr>
</thead>
<tbody>
<tr>
<td>72°</td>
<td>74° (Vert)</td>
</tr>
</tbody>
</table>

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

Used with today’s more light sensitive digital cameras & filmsstocks, it’s 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.
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)

<table>
<thead>
<tr>
<th>Lamp Code</th>
<th>Volts</th>
<th>Watts</th>
<th>°K</th>
<th>Avg Life</th>
<th>F. C. (lux) at 10’ (3 m)</th>
<th>Flood</th>
<th>Spot</th>
<th>Focus Range</th>
<th>Super Spot</th>
</tr>
</thead>
<tbody>
<tr>
<td>i-100</td>
<td>12/14</td>
<td>100</td>
<td>3200</td>
<td>100 hr*</td>
<td>9 (99)</td>
<td>40 (430)</td>
<td>5.1</td>
<td>167 (1800)</td>
<td></td>
</tr>
<tr>
<td>i-55</td>
<td>12/14</td>
<td>55</td>
<td>3200</td>
<td>100 hr*</td>
<td>4 (40)</td>
<td>29 (315)</td>
<td>8.1</td>
<td>120 (1300)</td>
<td></td>
</tr>
</tbody>
</table>

*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)

<table>
<thead>
<tr>
<th>Foot Candles (Lux)</th>
<th>Flood</th>
<th>Spot</th>
<th>Super Spot</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>157</td>
<td>167</td>
<td>648</td>
</tr>
<tr>
<td>9</td>
<td>40</td>
<td>65</td>
<td>167</td>
</tr>
<tr>
<td>4</td>
<td>29</td>
<td>39</td>
<td>65</td>
</tr>
<tr>
<td>2</td>
<td>10</td>
<td>26</td>
<td>39</td>
</tr>
<tr>
<td>1.5</td>
<td></td>
<td></td>
<td>26</td>
</tr>
</tbody>
</table>

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

10° Beam Angles

23°
The lights of this system are available in various accessory/combination 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.

**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).

**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).

**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: IP-29  
With front housing & clear safety glass. For non-focusing spot only.

**Pro-light Front Housing**  
Code: IP-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: 18” (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: 9 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.

**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 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)

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.

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

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.

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.

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

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.
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.

12" 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" 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.

12" 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.

12" 4-pin XLR Cable
Code: P2-82
Weight: 2 oz (57 g)
Adapts the updated Pro-light for use with appropriate 12 volt batteries for 100w operation. No wiring required.

12" 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.

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.

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.
Tota-light

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.

Lamp/Beam Data

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

*G.E. Watt Miser™, also known as FWM, has virtually same output as 1000w lamp (see manufacturers specifications).

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

Tota and V lamps are not interchangeable. Tota lamps are frosted except FCM/HIR.

Foot Candles (Lux = foot candles x 10.8)

<table>
<thead>
<tr>
<th>Doors at 180°</th>
<th>116</th>
<th>34</th>
<th>18</th>
<th>11</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doors Normal</td>
<td>146</td>
<td>41</td>
<td>21</td>
<td>13</td>
<td>9</td>
</tr>
</tbody>
</table>

Tota Light

Cyc and wall illumination

Maximum spread, actually lights behind itself

Closed for storage

Normal: maximum illumination

4.5” (11.4 cm)

2” (5 cm)

11” (29.9 cm)

Cool adjustable reflector door handle

Large cool knob for 360° tilting

Gull-wing reflector produces wide, smooth light pattern

Slot & lock for umbrella and gel-frame

A second Tota stacks on and locks in place

360° Constant tension no-yoke tilting

Flexi-shaft locks into mount to hold Tota-flags and Flectors

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

Beam angles

<table>
<thead>
<tr>
<th>Feet</th>
<th>1.5</th>
<th>3</th>
<th>4.5</th>
<th>6</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meters</td>
<td>1.5</td>
<td>3</td>
<td>4.5</td>
<td>6</td>
<td>8</td>
</tr>
</tbody>
</table>

Performance

With 120v,750w, 3200°K, EMD lamp

Tota and Omni System
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.

Technical Data

<table>
<thead>
<tr>
<th>Lamp/Beam Data</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lamp Code</strong></td>
</tr>
<tr>
<td>EYL</td>
</tr>
<tr>
<td>BYG</td>
</tr>
<tr>
<td>JCD120V/300WC</td>
</tr>
<tr>
<td>EKB</td>
</tr>
<tr>
<td>FTK</td>
</tr>
<tr>
<td>GCX*</td>
</tr>
<tr>
<td>GCY*</td>
</tr>
<tr>
<td>JCD230V-300WC</td>
</tr>
<tr>
<td>JCD240V-500WC</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Foot Candles (Lux = foot candles x 10.8)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flood</strong></td>
</tr>
<tr>
<td>250</td>
</tr>
<tr>
<td>220</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>12</td>
</tr>
</tbody>
</table>

With high intensity reflector

<table>
<thead>
<tr>
<th>Foot Candles (Lux = foot candles x 10.8)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flood</strong></td>
</tr>
<tr>
<td>1900</td>
</tr>
<tr>
<td>1250</td>
</tr>
<tr>
<td>75</td>
</tr>
</tbody>
</table>

Beam angles—points at which intensity drops to 50% of maximum
Tota/Omni System

Lights &
The lights of this system are available in various accessory/combination 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 and 16’ Cable and 12v Cigarette Lighter Adaptor (01-82), (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 (01-81), (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: 550w. 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 Lowell’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-brelloa 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)**

- **Code:** GF-6
- **Size:** 10 x 12” (25.4 x 30.5 cm) sheets
  - Day Blue (T1-70); ND 3 (T1-71);
  - Frost (T1-72); Assorted—
  - Blue Frost (T1-69); 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-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.

**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.).

**Rectangular Leaf**

- **Code:** O1-22
- **Weight:** 2 oz (57 g)
- Same as above minus leaves. Holds accessories, joins two snoots.

**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.

Components
Diffused Glass
Code: O1-50
Weight: 3 oz (85 g)
Softens light, reduces intensity and contrast; improves shadow quality.
Light loss approx. 40% in flood.

Dichroic Filter
Code: O1-51
Weight: 3 oz (85 g)
Converts 3200°K to average daylight with light loss of approx. one stop.
Absorbs U.V.

Clear Glass
Code: O1-52
Weight: 3 oz (85 g)
Absorbs some U.V. with 5% light loss.

Full Scrim
Code: O1-54
Weight: 2 oz (57 g)
Stainless steel screen reduces light one stop without diffusion or softening of contrast.

Half Scrim
Code: O1-55
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: O1-56
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: O1-57
Weight: 2 oz (57 g)
Cut metal disk creates a soft shadow pattern to “break-up” flat backgrounds.

Omni Narrow Snoot
Code: O1-532
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: O1-53
Weight: 4 oz (113 g)
Creates a reduced, soft-edged circle of light. Two joined by a Frame (01-21), increases effect.

Omni-stand
Code: O1-33
Weight: 4 oz (113 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.

Uni TO Stand
Code: UN-55
Weight: 2.6 lbs (1.2 kg)
Size: 21.5” (54.6 cm) folded.
Max 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 doorposts, 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 droppedceilings 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-ceilings grids, etc. (Set of 3).

Other Clamps, Booms, etc., see Mounts, section.
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.

**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
- **Switch:** in-line, heavy-duty
- **U.S. Patent:** D 210972
- **Materials:** primarily aluminum alloy
- **Cable:** 16’ (4.88 m) #16/3

**Lamp/Beam Data**

<table>
<thead>
<tr>
<th>Lamp/Beam Data</th>
<th>Volts</th>
<th>Watts</th>
<th>°K</th>
<th>Avg Life</th>
<th>Flood</th>
<th>Spot</th>
<th>Focus Range</th>
<th>Super Spot</th>
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</thead>
<tbody>
<tr>
<td>EHC</td>
<td>120</td>
<td>500</td>
<td>3200</td>
<td>300 hr</td>
<td>43 (465)</td>
<td>390 (4200)</td>
<td>9.1</td>
<td>678 (7300)</td>
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<tr>
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<td>500</td>
<td>3000</td>
<td>2000 hr</td>
<td>35 (375)</td>
<td>339 (3650)</td>
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<td>3200</td>
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<td>892 (9600)</td>
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<td>3000</td>
<td>2000 hr</td>
<td>70 (750)</td>
<td>390 (4200)</td>
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<td>827 (8900)</td>
</tr>
<tr>
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<td>120</td>
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<td>711 (7650)</td>
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<tr>
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<td>3000</td>
<td>2000 hr</td>
<td>43 (465)</td>
<td>242 (2600)</td>
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<td>505 (5450)</td>
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<td>JCV240V-500WBM</td>
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<td>500</td>
<td>3000</td>
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<td>3100</td>
<td>300 hr</td>
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<td>381 (4100)</td>
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<td>734 (7900)</td>
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<tr>
<td>FEP/240</td>
<td>240</td>
<td>1000</td>
<td>3200</td>
<td>150 hr</td>
<td>77 (825)</td>
<td>627 (6750)</td>
<td>8.1</td>
<td>1074 (11560)</td>
</tr>
</tbody>
</table>

**Performance**

- **With 120v, 1000w, 3200°K, FEL lamp**

<table>
<thead>
<tr>
<th>Foot Candles (Lux = foot candles x 10.8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood</td>
</tr>
<tr>
<td>Spot</td>
</tr>
<tr>
<td>Super Spot</td>
</tr>
</tbody>
</table>

**Beam Angles**

- **Beam angles:** points at which intensity drops to 50% of maximum
- **Flood:** 13°
- **Spot:** 20°
- **Super Spot:** 10°

---

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

- **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.

---

**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
- **Switch:** in-line, heavy-duty
- **U.S. Patent:** D 210972
- **Materials:** primarily aluminum alloy
- **Cable:** 16’ (4.88 m) #16/3

---

**Performance**

- **With 120v, 1000w, 3200°K, FEL lamp**

<table>
<thead>
<tr>
<th>Foot Candles (Lux = foot candles x 10.8)</th>
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<tr>
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<td>Super Spot</td>
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---

**Beam Angles**

- **Beam angles:** points at which intensity drops to 50% of maximum
- **Flood:** 13°
- **Spot:** 20°
- **Super Spot:** 10°

---

**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.
Components


dp  System

Lights &

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

**DP Light**

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

**Reflectors**

- **Weight:**
  - #1 Reflector: 2 oz (57 g)
  - #2 Reflector: 2 oz (57 g)
  - #4 Reflector: 2 oz (57 g)
  - #3 Reflector: 2 oz (57 g)

- **All switch in seconds without tools.**

**DP Light Protective Screen**

- **Weight:**
  - Code: D2-20: 1 lb (454 g)
  - Code: D2-21: 2 oz (57 g)
  - Code: D2-50: 3 oz (85 g)

**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**

- **Weight:**
  - Code: D2-21: 2 oz (57 g)
  - Code: D2-22: 4 oz (113 g)

**Rectangular Leaf**

- **Weight:** 4 oz (113 g)

**Triangular Leaf**

- **Weight:** 2 oz (57 g)

**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 Fen-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):

**DP Brella**

- **Standard/Silver**
- **Code:** D2-25
- **Size:** 41” (104 cm) open; 32.5” (82.6 cm) closed.
- **Weight:** 14 oz (398 g)
- Accepts 12” x 16” gels for DP gel frame.

**DP Gel File**

- **Code:** GF-15
- **Size:** 13.3 x 18”
- **Weight:** 1 oz (28 g)
- For extremely long throws. Has a narrow, high intensity beam without tools.

**Cables**

- **16’ Tota/Omni Cable**
- **Code:** C1-80
- **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) toiled.
- **Maximum height:** 7’ (2.2 m)
- **Base diameter:** 46”

**KS Jr. Stand**

- **Code:** DF-33
- **Maximum height:** 7’ (2.3 m)
- **ColloSent 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)
- **ColloSent length:** 3’ (91 cm)
- **Weight:** 4 lbs (1.8 kg)
- Wide based, sturdy, 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 cutoff (2.25” diameter), accepts Fen-L patterns as well as Pro-light barndoors & swing-in accessories.
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.

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

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.

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

Lamp/Beam Data

<table>
<thead>
<tr>
<th>Lamp Code</th>
<th>Volts</th>
<th>Watts</th>
<th>°K</th>
<th>Avg Life</th>
<th>F.C. (lux) at 10' (3 m)</th>
<th>Focus Range</th>
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<tbody>
<tr>
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<td>650</td>
<td>3200</td>
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<td>64 (691) 500 (5400)</td>
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<tr>
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<td>120</td>
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<td>FKW</td>
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<td>150 hr</td>
<td>72 (780) 505 (5450)</td>
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Performance

With 120v, 650w, 3200°K, FRK lamp

Foot Candles (Lux = foot candles x 10.8)

<table>
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<tr>
<th>Beam Angles</th>
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<td>0</td>
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</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>25</td>
</tr>
</tbody>
</table>

Foot Candles:
- Flood: 2130 (230) 500 (540) 129 (144) 91 (101)
- Spot: 2130 (230) 500 (540) 129 (144) 91 (101)

Foot Candles at 0° to 5° is 80% of maximum; at 1.5° to 2° is 60% of maximum; at 3° to 6° is 40% of maximum; at 10° to 20° is 20% of maximum; at 25° is 10% of maximum.
Components

Fren-L 650 System

**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**
  - 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. Attaches 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)

- **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 Barndoor 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: T1-24
  - Weight: 2 oz (56 g)
  - Wide based, sturdy, lightweight stand with 5/8” (1.59 cm) stud, 3 sections, and solid bar legs.

- **Tota-brella (Special/White)**
  - Code: T1-24
  - Weight: 2 oz (56 g)
  - Wide based, sturdy, lightweight stand with 5/8” (1.59 cm) stud, 3 sections, and solid bar legs.

- **Tota-flags**
  - Code: T1-52
  - Weight: 9.5 oz (266 g)
  - Wide based, sturdy, lightweight stand with 5/8” (1.59 cm) stud, 3 sections, and solid bar legs.

- **Tota-flector**
  - Code: T1-54
  - Weight: 3 oz (84 g)
  - Wide based, sturdy, lightweight stand with 5/8” (1.59 cm) stud, 3 sections, and solid bar legs.

**Mounts**

- **KS Jr. Stand**
  - Code: DT-33
  - Maximum height: 7” (2.3 m)
  - Collapsed length: 2’4” (65 cm)
  - Weight: 3 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” (2.4 m)
  - Collapsed length: 3’ (91 cm)
  - Weight: 4 lbs (1.8 kg)
  - Wide based, sturdy, lightweight stand with 5/8” (1.59 cm) stud & tubular legs.

- **KSA Stand**
  - Code: KSA
  - Black-anodized, air-cushioned stands. 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”

- **Uni-stand**
  - Code: T1-80
  - Weight: 10 oz (283 g)
  - For portable stage lighting use. For use on 'hard service' #18/3 (75 mm3) cable.

**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).

**Cables**

- **16’ Tota/Omni Cable**
  - Code: T1-801
  - Weight: 13 oz (369 g)
  - #18/3 (.75 mm3) with double pole switch and male CEE-7 plug.

- **16’ (5 m) Tota Eurocord**
  - Code: T1-802
  - Weight: 13 oz (369 g)
  - #18/3 (.75 mm3) with double pole switch and male CEE-7 plug.

- **10’ Unswitched Cable**
  - Code: T1-808
  - Weight: 1.1 lbs (5 kg)
  - For portable stage lighting use. ‘Hard service’ #18/3 (.75 mm3) 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.

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.

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.

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.

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, 6’ (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, and 3-yd. roll of Gaffer-tape. (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.

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

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 System
Mounts
Uni-stand
Code: UN-33
Weight: 2.4 lbs (1.1 kg)
Size: 21.5” (54.6 cm) folded
Extends to 71”
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™
Weight:

Uni-stand
Code: UN-33
Weight: 2.4 lbs (1.1 kg)
Size: 21.5” (54.6 cm) folded
Extends to 71”
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™
Weight:

Components
L-light System
Mounts
Uni-stand
Code: UN-33
Weight: 2.4 lbs (1.1 kg)
Size: 21.5” (54.6 cm) folded
Extends to 71”
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™
Weight:

Mounts
Uni-stand
Code: UN-33
Weight: 2.4 lbs (1.1 kg)
Size: 21.5” (54.6 cm) folded
Extends to 71”
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™
Weight:

Mounts
Uni-stand
Code: UN-33
Weight: 2.4 lbs (1.1 kg)
Size: 21.5” (54.6 cm) folded
Extends to 71”
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™
Weight:
Collapsible Softlight — 12/14, 30, 120/240v; 50—1000w

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 Lowell mounting accessories.

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.

Remove from bag & place on stand.

Pushing in lamp fixture quickly opens shell.

Shell fully opens & locks into place.

Attach diffuser, plug it in & power it up.

Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Collapsed length</th>
<th>Front size</th>
<th>Max. wattage</th>
<th>Max. amperage</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>LC-44</td>
<td>21” (53 cm)</td>
<td>16 x 16” (40 x 40 cm)</td>
<td>300</td>
<td>2.5 at 120v</td>
<td>2.1 lbs (1 kg) w/ 4’ capt. cable</td>
</tr>
<tr>
<td>LC-55</td>
<td>24” (61 cm)</td>
<td>21 x 21” (53 x 53 cm)</td>
<td>500</td>
<td>4.2 at 120v</td>
<td>2.5 lbs (1.1 kg) w/ 4’ capt. cable</td>
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<tr>
<td>LC-66</td>
<td>30” (76 cm)</td>
<td>25 x 25” (63.5 x 63.5 cm)</td>
<td>750</td>
<td>6.25 at 120v</td>
<td>3.5 lbs (1.6 kg) w/ 4’ capt. cable</td>
</tr>
<tr>
<td>LC-88</td>
<td>34” (86 cm)</td>
<td>32 x 32” (81 x 81 cm)</td>
<td>1000</td>
<td>8.3 at 120v</td>
<td>4.5 lbs (2 kg) w/ 4’ capt. cable</td>
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U.S. Patent: 459645
### System & Components

#### Rifa-lite® System

<table>
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<tr>
<th>System</th>
<th>Components</th>
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<tbody>
<tr>
<td>Feet</td>
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<td>Meters</td>
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<table>
<thead>
<tr>
<th>Performance</th>
<th>Beam angles - points at which intensity drops to 50% of maximum</th>
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<tbody>
<tr>
<td>LC-44 with 120v, 250w, 3200°K, GCA lamp</td>
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<tr>
<td>Foot Candles (Lux = foot candles x 10.8)</td>
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<tr>
<td>LC-44</td>
<td>39</td>
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<tr>
<td>LC-55 with 120v, 500w, 3200°K, EHC lamp</td>
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<tr>
<td>Foot Candles (Lux = foot candles x 10.8)</td>
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<tr>
<td>LC-55</td>
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<td>LC-66 with 120v, 750w, 3200°K, EHF lamp</td>
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<tr>
<td>Foot Candles (Lux = foot candles x 10.8)</td>
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<td>LC-66</td>
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<td>LC-88 with 120v, 1000w, 3200°K, FEL lamp</td>
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<tr>
<td>Foot Candles (Lux = foot candles x 10.8)</td>
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<tr>
<td>LC-88</td>
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#### Lamp/Beam Data

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<th>Volts</th>
<th>Watts</th>
<th>°K</th>
<th>Avg Life</th>
<th>FC(lux)5'</th>
<th>FC(lux)10'</th>
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<td>2 (21)</td>
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<td>100</td>
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<td>100 hr</td>
<td>10 (103)</td>
<td>3 (28)</td>
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<td>120</td>
<td>250</td>
<td>100 hr</td>
<td>39 (420)</td>
<td>11 (120)</td>
<td></td>
</tr>
<tr>
<td>CP/96*</td>
<td>120</td>
<td>300</td>
<td>3400</td>
<td>75 hr</td>
<td>50 (540)</td>
<td>14 (147)</td>
</tr>
<tr>
<td>GLF/P44</td>
<td>230</td>
<td>235</td>
<td>3200</td>
<td>100 hr</td>
<td>32 (345)</td>
<td>9 (94)</td>
</tr>
<tr>
<td>CP/97*</td>
<td>230</td>
<td>300</td>
<td>3200</td>
<td>100 hr</td>
<td>46 (495)</td>
<td>12 (132)</td>
</tr>
<tr>
<td>LC-55 – Maximum 500w</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>EHC</td>
<td>120</td>
<td>500</td>
<td>3200</td>
<td>300 hr</td>
<td>88 (950)</td>
<td>23 (246)</td>
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<tr>
<td>EHD</td>
<td>120</td>
<td>500</td>
<td>3200</td>
<td>2000 hr</td>
<td>67 (732)</td>
<td>18 (194)</td>
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<tr>
<td>JCV 220V-500WBM</td>
<td>220</td>
<td>500</td>
<td>3000</td>
<td>2000 hr</td>
<td>68 (730)</td>
<td>18 (196)</td>
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<tr>
<td>JCV 240V-500WBM</td>
<td>240</td>
<td>500</td>
<td>3000</td>
<td>2000 hr</td>
<td>63 (680)</td>
<td>17 (185)</td>
</tr>
<tr>
<td>LC-66 – Maximum 750w</td>
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<tr>
<td>EHC</td>
<td>120</td>
<td>750</td>
<td>3200</td>
<td>300 hr</td>
<td>109 (1180)</td>
<td>29 (313)</td>
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<td>120</td>
<td>750</td>
<td>3200</td>
<td>2000 hr</td>
<td>80 (864)</td>
<td>22 (238)</td>
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<tr>
<td>FKR/230</td>
<td>230</td>
<td>650</td>
<td>3200</td>
<td>300 hr</td>
<td>82 (886)</td>
<td>23 (249)</td>
</tr>
<tr>
<td>LC-88 – Maximum 1000w</td>
<td></td>
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</tr>
<tr>
<td>EHC</td>
<td>120</td>
<td>1000</td>
<td>3200</td>
<td>300 hr</td>
<td>183 (1976)</td>
<td>53 (572)</td>
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<tr>
<td>EHD</td>
<td>120</td>
<td>1000</td>
<td>3200</td>
<td>2000 hr</td>
<td>156 (1685)</td>
<td>46 (497)</td>
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<tr>
<td>FEP/220</td>
<td>220</td>
<td>1000</td>
<td>3200</td>
<td>150 hr</td>
<td>148 (1598)</td>
<td>40 (432)</td>
</tr>
<tr>
<td>FEP/240</td>
<td>240</td>
<td>1000</td>
<td>3200</td>
<td>150 hr</td>
<td>148 (1598)</td>
<td>40 (432)</td>
</tr>
</tbody>
</table>

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

#### 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)
- **Foot Candles (Lux = foot candles x 10.8):**
  - 5’ beams: 50 (540) ft-candles
  - 10’ beams: 14 (147) ft-candles

#### 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 lightweight bag.

30° x 30° Egg Crate
Fabric Egg Crate with 30° dispersion angle.
- Code: LC-44EC/30
- Weight: 8 oz (228 g)
- Size: 21 1/2 x 21 1/2" (54.6 x 54.6 cm)

50° Egg Crate for LC-44
- Code: LC-44EC/50
- Weight: 9 oz (250 g)
- Size: 23 1/2 x 23 1/2" (59.7 x 59.7 cm)

50° Egg Crate for LC-55
- Code: LC-55EC/50
- Weight: 10 oz (280 g)
- Size: 25 1/2 x 25 1/2" (64.8 x 64.8 cm)

50° Egg Crate for LC-66
- Code: LC-66EC/50
- Weight: 12 oz (336 g)
- Size: 27 1/2 x 27 1/2" (69.9 x 69.9 cm)

50° Egg Crate for LC-88
- Code: LC-88EC/50
- Weight: 14 oz (392 g)
- Size: 30 1/2 x 30 1/2" (77.4 x 77.4 cm)

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 20" (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 1/2" (55.2 cm) folded.
- Maximum height: 7' (2.12 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 3/4" (2 m)
- Collapsed length: 2 3/4" (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.

KS Stand
- Code: KSA
- Weight: 4 lbs (1.8 kg)
Wide based, sturdier lightweight stand with 5/8" (1.59 cm) stud. For all 4 Rifas.

KS Jr. Stand
- Code: LC-30
- 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: Tota-clamp
- Weight: 1.74 lbs (0.8 kg)
Clamps onto pipes, shelves, etc. up to 7/8" (1.7 cm) thick. When necessary, such as on a boom arm, without the need to overtighten the 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.

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)
- Code: K4CC
- Weight: 2 oz (57 g)
Reusable quick release cable fasteners. (Pkg of 10).

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 (0.5 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
- Weight: 3 oz (85 g)
Adapts the Rifa-44 or use with appropriate 12 volt batteries. No wiring required.

1’ 12v Switched Cigarette Lighter/Car Adaptor Cable
- Code: R2-82
Adapts the Rifa-44 or use with appropriate 12 volt batteries. No wiring required.

12v Car Adaptor
- Code: R2-85
Adapts Rifa 44 IEC Connector for use with some 12 volt batteries and automobile cigarette lighter sockets. No wiring required.

Mounts

Uni TO Stand
- Code: UN-55
- Weight: 2.6 lbs (1.2 kg)
- Size: 21 1/2" (55.2 cm) folded.
- Maximum height: 7’ (2.12 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.

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- Code: DT-33
- Size: Maximum height: 7 3/4" (2 m)
- Collapsed length: 2 3/4" (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.

KS Stand
- Code: KSA
- Weight: 4 lbs (1.8 kg)
Wide based, sturdier lightweight stand with 5/8" (1.59 cm) stud. For all 4 Rifas.

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- 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.

Uni TO Stand
- Code: UN-55
- Weight: 2.6 lbs (1.2 kg)
- Size: 21 1/2" (55.2 cm) folded.
- Maximum height: 7’ (2.12 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.

Tota-clamp
- Code: Tota-clamp
- Weight: 1.74 lbs (0.8 kg)
Clamps onto pipes, shelves, etc. up to 7/8" (1.7 cm) thick. When necessary, such as on a boom arm, without the need to overtighten the 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.

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)
- Code: K4CC
- Weight: 2 oz (57 g)
Reusable quick release cable fasteners. (Pkg of 10).

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 (0.5 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
- Weight: 3 oz (85 g)
Adapts the Rifa-44 or use with appropriate 12 volt batteries. No wiring required.

1’ 12v Switched Cigarette Lighter/Car Adaptor Cable
- Code: R2-82
Adapts the Rifa-44 or use with appropriate 12 volt batteries. No wiring required.

12v Car Adaptor
- Code: R2-85
Adapts Rifa 44 IEC Connector for use with some 12 volt batteries and automobile cigarette lighter sockets. No wiring required.
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)

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

<table>
<thead>
<tr>
<th>LowelCode</th>
<th>Wattage</th>
<th>Size</th>
<th>CRI</th>
<th>Avg Life**</th>
<th>°K</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1-32</td>
<td>40w</td>
<td>48&quot;</td>
<td>95</td>
<td>8000 hr</td>
<td>3200 (Tungsten)</td>
</tr>
<tr>
<td>A1-32CG*</td>
<td>40w</td>
<td>48&quot;</td>
<td>95</td>
<td>8000 hr</td>
<td>3200 (Tungsten)</td>
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<tr>
<td>A1-35</td>
<td>40w</td>
<td>48&quot;</td>
<td>95</td>
<td>8000 hr</td>
<td>5500 (Daylight)</td>
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<tr>
<td>A1-55CG*</td>
<td>40w</td>
<td>48&quot;</td>
<td>95</td>
<td>8000 hr</td>
<td>5500 (Daylight)</td>
</tr>
</tbody>
</table>

GE Color Corrected Cinema 32 & 55 lamps.

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

Performance

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

<table>
<thead>
<tr>
<th>Tubes Horizontal: 85° H x 93° V</th>
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<tbody>
<tr>
<td>Foot Candles: (Lux = foot candles x 10.8)</td>
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<tr>
<td>135</td>
</tr>
<tr>
<td>21.1</td>
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<tr>
<td>31.4</td>
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<table>
<thead>
<tr>
<th>Foot</th>
<th>Meters</th>
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<tbody>
<tr>
<td>5</td>
<td>1.5</td>
</tr>
<tr>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td>15</td>
<td>4.5</td>
</tr>
</tbody>
</table>
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 barn door/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.

### Lamp Specifications

<table>
<thead>
<tr>
<th>Lowel Code</th>
<th>Osram Code</th>
<th>Watts</th>
<th>°K</th>
<th>CRI</th>
<th>Average Life</th>
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</thead>
<tbody>
<tr>
<td>CF-55TU</td>
<td>DuluxL55w/32-930</td>
<td>55</td>
<td>3000 Tungsten</td>
<td>90+</td>
<td>8000 hr*</td>
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<tr>
<td>CF-55DA</td>
<td>DuluxL55w/12-950</td>
<td>55</td>
<td>5300 Daylight</td>
<td>90+</td>
<td>8000 hr*</td>
</tr>
</tbody>
</table>

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

**Caselite®2/Caselite®4 System**

---

**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.

**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.

**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: 2.5” (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 tube).

**Optional**

- **10’ Unswitched Cable**
  - Code: T1-808
  - Max Weight: 1.1 lbs (0.5 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).

**Mount**

- **Caselite2 Performance**

  **Without Intensifiers**
  - Foot Candles: 65
  - All readings taken at the center of the beam, with daylight lamps, using Minolta T1 meter.

  **With Intensifiers**
  - Foot Candles: 92
  - Beam angles points at which intensity drops to 50% of maximum

**Caselite4 Performance**

  **Without Intensifiers**
  - Foot Candles: 128
  - All readings taken at the center of the beam, with daylight lamps, using Minolta T1 meter.

  **With Intensifiers**
  - Foot Candles: 190
  - Beam angles points at which intensity drops to 50% of maximum

---
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.

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 5300°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.

Multi-Tasking Fluorescent

Lamp:

- Osram Dulux L 24w/12 Daylight Color Temperature: 5050
- Osram Dulux L 18w/12 Daylight Color Temperature: 5050

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Wattage</th>
<th>Size</th>
<th>CRI</th>
<th>Description</th>
<th>Avg Life</th>
<th>°K</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSF-24DA</td>
<td>24w</td>
<td>12”</td>
<td>90+</td>
<td>Dulux L 24w/12”</td>
<td>8000 hr</td>
<td>5300</td>
</tr>
<tr>
<td>CSF-24TU</td>
<td>24w</td>
<td>12”</td>
<td>90+</td>
<td>Dulux L 24w/32”</td>
<td>8000 hr</td>
<td>3000</td>
</tr>
<tr>
<td>CSF-18DA</td>
<td>18w</td>
<td>8”</td>
<td>90+</td>
<td>Dulux L 18w/12”</td>
<td>8000 hr</td>
<td>5300</td>
</tr>
<tr>
<td>CSF-18TU</td>
<td>18w</td>
<td>8”</td>
<td>90+</td>
<td>Dulux L 18w/32”</td>
<td>8000 hr</td>
<td>3000</td>
</tr>
</tbody>
</table>

*Lux = foot candles x 10.8

Beam Angles:
- 1.5° Points at which intensity drops to 50% of maximum
- Readings taken at center of beam

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®.
Components

**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”

**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.
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.

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

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.

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

**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

#### Performance

<table>
<thead>
<tr>
<th>Feet</th>
<th>Meters</th>
<th>Foot Candles (Lux = foot candles x 10.8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>.9</td>
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<td>14.4 11.9 11.9 11.9</td>
</tr>
</tbody>
</table>

*With Intensifier (52°H x 50°V*)

#### Performance

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<thead>
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</table>

*Without Intensifier (63°H x 62°V*)

#### Studio 650 6 lamp

#### Performance

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<thead>
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</table>

*With Intensifier (52°H x 48°V*)

#### Performance

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*With Intensifier (52°H x 48°V*)

#### Performance

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</tr>
</tbody>
</table>

*Without Intensifier (63°H x 62°V*)

### Studio 450 4 lamp

#### Performance

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</tr>
</tbody>
</table>

*With Intensifier (52°H x 45°V*)

#### Performance

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*With Intensifier (52°H x 45°V*)

#### Performance

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<td>14.4 11.9 11.9 11.9</td>
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</tbody>
</table>

*Without Intensifier (63°H x 62°V*)

### Studio 250 2 lamp

#### Performance

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<th>Foot Candles (Lux = foot candles x 10.8)</th>
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</table>

*With Intensifier (52°H x 41°V*)

#### Performance

<table>
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<th>Feet</th>
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</table>

*Without Intensifier (63°H x 62°V*)

<table>
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</tr>
</tbody>
</table>

*Without Intensifier (63°H x 62°V*)

---

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

Foot Candles readings taken at center of beam, with Minolta T-1 meter, using Osram Studioline lamps.

**Lowel Fluo-Tec**

**Fluorescent Studio System**
**Fluorescent Studio System**

**Studio 250cy**

**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**

<table>
<thead>
<tr>
<th>without Intensifier</th>
<th>82” H x 64” W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foot Candles (Lux = foot candles x 10.8)</td>
<td>882 392 220 141</td>
</tr>
</tbody>
</table>

*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.

**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.

- **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.

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

- **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.

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Location</th>
<th>Output Loss / Gain</th>
<th>Studio850</th>
<th>Studio650</th>
<th>Studio450</th>
<th>Studio250</th>
<th>Studio250cy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barndoor</td>
<td>Front of Fixture</td>
<td>N / A</td>
<td>FLS-820</td>
<td>FLS-620</td>
<td>FLS-420</td>
<td>FLS-220</td>
<td>FLS-2520</td>
</tr>
<tr>
<td>Intensifier</td>
<td>Front of Fixture</td>
<td>+80%</td>
<td>FLS-822</td>
<td>FLS-622</td>
<td>FLS-422</td>
<td>FLS-222</td>
<td>N / A</td>
</tr>
<tr>
<td>Egg Crate</td>
<td>Front of Fixture</td>
<td>-25%</td>
<td>FLS-824</td>
<td>FLS-624</td>
<td>FLS-424</td>
<td>FLS-224</td>
<td>FLS-2524</td>
</tr>
<tr>
<td>Honeycomb Grid Black 40°</td>
<td>Front of Fixture</td>
<td>-25%</td>
<td>FLS-834</td>
<td>FLS-634</td>
<td>FLS-434</td>
<td>FLS-234</td>
<td>FLS-2534</td>
</tr>
<tr>
<td>Honeycomb Grid Black 30°</td>
<td>Front of Fixture</td>
<td>-35%</td>
<td>FLS-833</td>
<td>FLS-633</td>
<td>FLS-433</td>
<td>FLS-233</td>
<td>FLS-2533</td>
</tr>
<tr>
<td>Honeycomb Grid Black 20°</td>
<td>Front of Fixture</td>
<td>-54%</td>
<td>FLS-832</td>
<td>FLS-632</td>
<td>FLS-432</td>
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<td>FLS-844</td>
<td>FLS-644</td>
<td>FLS-444</td>
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<td>FLS-843</td>
<td>FLS-643</td>
<td>FLS-443</td>
<td>FLS-243</td>
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<tr>
<td>Honeycomb Grid Black 20°</td>
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<td>-46%</td>
<td>FLS-842</td>
<td>FLS-642</td>
<td>FLS-442</td>
<td>FLS-242</td>
<td>N / A</td>
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</table>
Lowel Fluo-Tec

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.

<table>
<thead>
<tr>
<th>Set-up 1</th>
<th>Set-up 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Diagram" /></td>
<td><img src="image2.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

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.

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.

AC Cable Options

<table>
<thead>
<tr>
<th>Standard 120v AC Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code: T1-808</td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Twist-lock Connector Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code: T1-TL</td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3 Pin Stage Connector Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code: T1-TP</td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

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.

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.

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.
**Technical Data**

**Housing material:** Aluminum thickness 0.062" formed/welded.

**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.

---

**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

---

**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

---

**Power Consumption @120VAC 50/60Hz**

<table>
<thead>
<tr>
<th>Model</th>
<th>Current</th>
<th>Fuse</th>
<th>Continuous Power Consumption</th>
<th>Peak Ignition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio 850DM</td>
<td>6.30 A</td>
<td>4.02 A</td>
<td>6.00 A</td>
<td></td>
</tr>
<tr>
<td>Studio 650DM</td>
<td>5.00 A</td>
<td>2.96 A</td>
<td>4.50 A</td>
<td></td>
</tr>
<tr>
<td>Studio 450DM</td>
<td>3.15 A</td>
<td>2.00 A</td>
<td>3.00 A</td>
<td></td>
</tr>
<tr>
<td>Studio 250DM</td>
<td>1.60 A</td>
<td>1.05 A</td>
<td>1.50 A</td>
<td></td>
</tr>
<tr>
<td>Studio 250cyDM</td>
<td>3.15 A</td>
<td>2.00 A</td>
<td>3.00 A</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Current</th>
<th>Fuse</th>
<th>Continuous Power Consumption</th>
<th>Peak Ignition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio 850ND</td>
<td>10.00 A</td>
<td>4.52 A</td>
<td>9.90 A</td>
<td></td>
</tr>
<tr>
<td>Studio 650ND</td>
<td>8.00 A</td>
<td>3.41 A</td>
<td>7.80 A</td>
<td></td>
</tr>
<tr>
<td>Studio 450ND</td>
<td>5.00 A</td>
<td>2.26 A</td>
<td>5.00 A</td>
<td></td>
</tr>
<tr>
<td>Studio 250ND</td>
<td>3.15 A</td>
<td>1.15 A</td>
<td>3.00 A</td>
<td></td>
</tr>
<tr>
<td>Studio 250cyND</td>
<td>5.00 A</td>
<td>2.26 A</td>
<td>5.00 A</td>
<td></td>
</tr>
</tbody>
</table>

---

**Power Consumption @220/240VAC 50/60Hz**

<table>
<thead>
<tr>
<th>Model</th>
<th>Current</th>
<th>Fuse</th>
<th>Continuous Power Consumption</th>
<th>Peak Ignition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio 850DM230</td>
<td>3.15 A</td>
<td>2.10 A</td>
<td>3.00 A</td>
<td></td>
</tr>
<tr>
<td>Studio 650DM230</td>
<td>2.50 A</td>
<td>1.60 A</td>
<td>2.30 A</td>
<td></td>
</tr>
<tr>
<td>Studio 450DM230</td>
<td>1.60 A</td>
<td>1.10 A</td>
<td>1.60 A</td>
<td></td>
</tr>
<tr>
<td>Studio 250DM230</td>
<td>1.00 A</td>
<td>0.60 A</td>
<td>0.80 A</td>
<td></td>
</tr>
<tr>
<td>Studio 250cyDM230</td>
<td>1.60 A</td>
<td>1.10 A</td>
<td>1.60 A</td>
<td></td>
</tr>
</tbody>
</table>

---

**Lamps**

- **Osram Studioline® Lamps**
  - **Tungsten CRI °K**
    - FLS-55TU: Studioiline 55w/3200 85 3200
    - Daylight: Studioiline 55w/5600 85 5600

- **Osram Dulux® Lamps**
  - **Tungsten CRI °K**
    - CF-55TU: Dulux 55w/32-930 90+ 3000
    - Daylight: 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.

**Technical Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Continuous Power</th>
<th>Peak Current</th>
<th>Fuse Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>e-studio2</td>
<td>120 VAC</td>
<td>0.8</td>
<td>1.2</td>
<td>2.5 A</td>
</tr>
<tr>
<td>e-studio4</td>
<td>120 VAC</td>
<td>1.6</td>
<td>2.3</td>
<td>3.15 A</td>
</tr>
<tr>
<td>e-studio6</td>
<td>120 VAC</td>
<td>2.4</td>
<td>3.5</td>
<td>5 A</td>
</tr>
</tbody>
</table>

**Power Consumption @120VAC 50/60Hz**

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Continuous Power</th>
<th>Peak Current</th>
<th>Fuse Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>e-studio2</td>
<td>120 VAC</td>
<td>0.8</td>
<td>1.2</td>
<td>2.5 A</td>
</tr>
<tr>
<td>e-studio4</td>
<td>120 VAC</td>
<td>1.6</td>
<td>2.3</td>
<td>3.15 A</td>
</tr>
<tr>
<td>e-studio6</td>
<td>120 VAC</td>
<td>2.4</td>
<td>3.5</td>
<td>5 A</td>
</tr>
</tbody>
</table>

**Lamps**

**Osram Studioline® Lamps** (Manufacturer rated lamp life 8,000 hrs)

- **Tungsten CRI °K**
  - FLS-55TU Studioline 55w/3200 85 3200
  - 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).

**Power Consumption @220/240VAC 50/60Hz**

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Continuous Power</th>
<th>Peak Current</th>
<th>Fuse Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>e-studio2</td>
<td>230 VAC</td>
<td>0.4</td>
<td>0.6</td>
<td>2.5 A</td>
</tr>
<tr>
<td>e-studio4</td>
<td>230 VAC</td>
<td>0.8</td>
<td>1.3</td>
<td>3.15 A</td>
</tr>
<tr>
<td>e-studio6</td>
<td>230 VAC</td>
<td>1.3</td>
<td>1.9</td>
<td>5 A</td>
</tr>
</tbody>
</table>

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

**Ideal for...**

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

**Technical Spec**

- **Amperage:** See chart, all models operate at 120-277 VAC 50/60 Hz.
- **Fuse Ratings:** 50/60Hz: Power Factor: >.99

**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.
Lowel e-studio

**Components**

### 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) |

Uses 2 compact 55w lamps (not included).

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

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

See page 32 for further AC cable options.

### 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) |

Uses 4 compact 55w lamps (not included).

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

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

See page 32 for further AC cable options.

### 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) |

Uses 6 compact 55w lamps (not included).

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

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

See page 32 for further AC cable options.

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

#### Barndoors
- For trimming spill of the light.

#### 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.

<table>
<thead>
<tr>
<th><strong>Accessory</strong></th>
<th><strong>Location</strong></th>
<th><strong>Output Loss/Gain</strong></th>
<th><strong>e-studio6</strong></th>
<th><strong>e-studio4</strong></th>
<th><strong>e-studio2</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Barndoors</td>
<td>Front of Fixture</td>
<td>N/A</td>
<td>FLS-620</td>
<td>FLS-420</td>
<td>FLS-220</td>
</tr>
<tr>
<td>Intensifier</td>
<td>Front of Fixture</td>
<td>+ 80%</td>
<td>FLS-622</td>
<td>FLS-422</td>
<td>FLS-222</td>
</tr>
<tr>
<td>Egg Crate Grid</td>
<td>Front of Fixture</td>
<td>-25%</td>
<td>FLS-624</td>
<td>FLS-424</td>
<td>FLS-224</td>
</tr>
<tr>
<td>Honeycomb Grid Black 40°</td>
<td>Front of Fixture</td>
<td>-25%</td>
<td>FLS-634</td>
<td>FLS-434</td>
<td>FLS-234</td>
</tr>
<tr>
<td>Honeycomb Grid Black 30°</td>
<td>Front of Fixture</td>
<td>-35%</td>
<td>FLS-633</td>
<td>FLS-433</td>
<td>FLS-233</td>
</tr>
<tr>
<td>Honeycomb Grid Black 20°</td>
<td>Front of Fixture</td>
<td>-54%</td>
<td>FLS-632</td>
<td>FLS-432</td>
<td>FLS-232</td>
</tr>
<tr>
<td>Honeycomb Grid Black 10°</td>
<td>Front of Intensifier</td>
<td>-30%</td>
<td>FLS-644</td>
<td>FLS-444</td>
<td>FLS-244</td>
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<tr>
<td>Honeycomb Grid Black 20°</td>
<td>Front of Intensifier</td>
<td>-22%</td>
<td>FLS-643</td>
<td>FLS-443</td>
<td>FLS-243</td>
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<tr>
<td>Honeycomb Grid Black 20°</td>
<td>Front of Intensifier</td>
<td>-46%</td>
<td>FLS-642</td>
<td>FLS-442</td>
<td>FLS-242</td>
</tr>
</tbody>
</table>

### 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-CN
- 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, sturdy, lightweight stand with 5/8” (1.59 cm) stud 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.

---

**Performance**

**Without Intensifier**

<table>
<thead>
<tr>
<th>Foot Candles</th>
<th>Meters</th>
<th>3</th>
<th>6</th>
<th>9</th>
<th>12</th>
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</thead>
<tbody>
<tr>
<td>448</td>
<td>111</td>
<td>49</td>
<td>29</td>
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<tr>
<td>622</td>
<td>154</td>
<td>69</td>
<td>29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>808</td>
<td>207</td>
<td>104</td>
<td>37</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**2 lamp**

**4 lamp**

**6 lamp**

---

**Accessory Location Output Loss/Gain**

<table>
<thead>
<tr>
<th>Accessory Location</th>
<th>Output Loss/Gain</th>
<th>e-studio6</th>
<th>e-studio4</th>
<th>e-studio2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barndoors</td>
<td>Front of Fixture</td>
<td>N/A</td>
<td>FLS-620</td>
<td>FLS-420</td>
</tr>
<tr>
<td>Intensifier</td>
<td>Front of Fixture</td>
<td>+ 80%</td>
<td>FLS-622</td>
<td>FLS-422</td>
</tr>
<tr>
<td>Egg Crate Grid</td>
<td>Front of Fixture</td>
<td>-25%</td>
<td>FLS-624</td>
<td>FLS-424</td>
</tr>
<tr>
<td>Honeycomb Grid Black 40°</td>
<td>Front of Fixture</td>
<td>-25%</td>
<td>FLS-634</td>
<td>FLS-434</td>
</tr>
<tr>
<td>Honeycomb Grid Black 30°</td>
<td>Front of Fixture</td>
<td>-35%</td>
<td>FLS-633</td>
<td>FLS-433</td>
</tr>
<tr>
<td>Honeycomb Grid Black 20°</td>
<td>Front of Fixture</td>
<td>-54%</td>
<td>FLS-632</td>
<td>FLS-432</td>
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<tr>
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<td>Front of Intensifier</td>
<td>-30%</td>
<td>FLS-644</td>
<td>FLS-444</td>
</tr>
<tr>
<td>Honeycomb Grid Black 20°</td>
<td>Front of Intensifier</td>
<td>-22%</td>
<td>FLS-643</td>
<td>FLS-443</td>
</tr>
<tr>
<td>Honeycomb Grid Black 20°</td>
<td>Front of Intensifier</td>
<td>-46%</td>
<td>FLS-642</td>
<td>FLS-442</td>
</tr>
</tbody>
</table>
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.

IR DMX Controller, Translator/Sensor, & DMX Chain

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.

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)
Supplied with 6’ cable.

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.

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.

Dimmer Tilt-bracket

Code: LDT-01
Tilting bracket attaches to dimmer bottom for mounting on 5/8” stand top for convenient access.

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.

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.
Reflectors, Umbrellas & Flags

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).


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-tilt. 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 umbrella is turned around and pointed to subject to light through it (in flood only).

Tota-tatch

Code: T1-34
Size: 3" (7.6 cm) open, 2.5" (6.35 cm) closed.
Weight: 3.5 oz (98 g)
Attaches to stands, shelves, tripods, etc. Accepts one Flexi-shaft.

Tota-tatch

Code: T1-35
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).

Flexi-shaft (2)
Code: T1-50
Size: 16" (40.65 cm)
Weight: 1 oz (28 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).

Flag-link

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

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.

Tota-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 umbrella is turned around and pointed to subject to light through it (in flood only).

Tota-tatch

Code: T1-34
Size: 3" (7.6 cm) open, 2.5" (6.35 cm) closed.
Weight: 3.5 oz (98 g)
Attaches to stands, shelves, tripods, etc. Accepts one Flexi-shaft.
Flags & Gels

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

Blips™ (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-58)
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)

DP Gels (4)
Size: 12 x 16” (30.5 x 40.64 cm)
Weight: 2 oz (56 g)

 iP & L-light Gel Packs (5)
Size: 5 x 6” (15.2 x 15.2 cm)
Weight: 1 oz (28 g)

*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)

Array Frost Gel (1)
- Code: A1-72
- Size: 24 x 54" (61 x 137.2 cm)
- Weight: 2 oz (56 g)

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)


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.
### 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.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Max. Height</th>
<th>Folded Length</th>
<th>Max. Base Diameter</th>
<th>Min. Tube Diameter</th>
<th>Max. Tube Diameter</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uni-stand</td>
<td>UN-33</td>
<td>7’11” (2.4 m)</td>
<td>21.5” (54.6 cm)</td>
<td>3’7” (1.1 m)</td>
<td>3/8” (.95 cm)</td>
<td>7/8” (2.2 cm)</td>
<td>2.4 lbs (1.1 kg)</td>
</tr>
<tr>
<td>Uni TO Stand</td>
<td>UN-55</td>
<td>7’11” (2.4 m)</td>
<td>21.5” (54.6 cm)</td>
<td>3’7” (1.1 m)</td>
<td>1/2” (1.27 cm)</td>
<td>1” (2.54 cm)</td>
<td>2.6 lbs (1.2 kg)</td>
</tr>
<tr>
<td>Omni-stand</td>
<td>01-33</td>
<td>9” (2.74 m)</td>
<td>27” (69 cm)</td>
<td>3’1” (94 cm)</td>
<td>1/2” (1.27 cm)</td>
<td>7/8” (2.2 cm)</td>
<td>2.6 lbs (1.2 kg)</td>
</tr>
<tr>
<td>Uni Sr. Stand</td>
<td>UN-66</td>
<td>7” (2.2 m)</td>
<td>22.5” (57.2 cm.)</td>
<td>3’10” (1.2 m)</td>
<td>3/4” (1.9 cm)</td>
<td>1 1/8” (2.9 cm)</td>
<td>3.3 lbs (1.5 kg)</td>
</tr>
<tr>
<td>KS Jr. Stand</td>
<td>DT-33</td>
<td>7’7” (2.3 m)</td>
<td>26” (65 cm)</td>
<td>3’1” (99 cm)</td>
<td>3/4” (1.9 cm)</td>
<td>1 1/8” (2.9 cm)</td>
<td>3.5 lbs (1.6 kg)</td>
</tr>
<tr>
<td>KS Stand</td>
<td>KS</td>
<td>9” (2.74 m)</td>
<td>36” (91 cm)</td>
<td>3’5” (1 m)</td>
<td>7/8” (2.2 cm)</td>
<td>1 1/8” (2.9 cm)</td>
<td>4 lbs (1.8 kg)</td>
</tr>
<tr>
<td>KSA Stand</td>
<td>KSA</td>
<td>9” (2.74 m)</td>
<td>36” (91 cm)</td>
<td>3’5” (1 m)</td>
<td>7/8” (2.2 cm)</td>
<td>1 1/8” (2.9 cm)</td>
<td>4.2 lbs (1.9 kg)</td>
</tr>
<tr>
<td>Grand Stand</td>
<td>GS</td>
<td>10.5’ (3.1 m)</td>
<td>43” (1.1 m)</td>
<td>4’5” (1.35 m)</td>
<td>1” (2.54 cm)</td>
<td>1 3/8” (3.51 cm)</td>
<td>6.75 lbs (3 kg)</td>
</tr>
<tr>
<td>Full Pole</td>
<td>KP</td>
<td>6.6’ (2 m)</td>
<td>34” (89 cm)</td>
<td></td>
<td>7/8” (2.2 cm)</td>
<td>1 1/8” (2.9 cm)</td>
<td>1.75 lbs (.8 kg)</td>
</tr>
<tr>
<td>Half Pole</td>
<td>KPH</td>
<td>3’ (91 cm)</td>
<td>18” (46 cm)</td>
<td></td>
<td>7/8” (2.2 cm)</td>
<td>1 1/8” (2.9 cm)</td>
<td>1.1 lbs (.5 kg)</td>
</tr>
</tbody>
</table>
### Mounts

#### Stands, Poles &

<table>
<thead>
<tr>
<th>Legs/Number of Risers</th>
<th>Recommended Uses &amp; Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-strut leg brace, solid bar legs. 4 Risers.</td>
<td>VIP &amp; other small lights. Wide base for more stability, large locking knobs. Legs can lie flat to floor in standard tripod arrangement, and fold up for more compact packing. Smallest folding Lowel stand.</td>
</tr>
<tr>
<td>Single-strut leg brace, solid bar legs. 4 Risers.</td>
<td>VIP, Tota/Omni, Rifa-lite 44 &amp; other small lights. Sturdier than Uni-stand, ideal for use with Tota/Omni in GO Cases.</td>
</tr>
<tr>
<td>Single-strut leg brace, solid bar legs. 4 Risers.</td>
<td>Tota &amp; Omni lights, Rifa-lite 44 &amp; small flags. Sturdy &amp; lightweight, an industry standard.</td>
</tr>
<tr>
<td>Single-strut leg brace, solid bar legs. 3 Risers.</td>
<td>Tota/Omni, DP Light, Rifa-lite 55 &amp; 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.</td>
</tr>
<tr>
<td>Double-strut leg brace, tubular legs with holes for casters or anchors. 2 Risers.</td>
<td>DP Light, Rifa-lite 88, Fren-L 650, Basic Boom. Medium sized stand. Same as above but with air-cushioned riser sections, black castings &amp; knobs.</td>
</tr>
<tr>
<td>Double-strut leg brace, tubular legs with holes for casters or anchors. 2 Risers.</td>
<td>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 &amp; direct screw clamping.</td>
</tr>
<tr>
<td>2 Risers (3 sections).</td>
<td>Extend KS, Grand Stand. Forms: boom, background support, rigs. Updated with extra section &amp; additional length for added security when used at original length.</td>
</tr>
<tr>
<td>2 Risers (3 sections).</td>
<td>Same as Full Pole.</td>
</tr>
</tbody>
</table>

#### Accessories

**Lowel Weight**

<table>
<thead>
<tr>
<th>Code: LW</th>
<th>Weight: 4.25 lbs (1.93 kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

**Lowel Casters (3)**

<table>
<thead>
<tr>
<th>Code: LC</th>
<th>Weight: 2.4 lbs (1.09 kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lockable wheels fit leg holes on KS, KSA and Grand Stands. Especially helpful for booms and studio lighting. (Set of 3).</td>
<td></td>
</tr>
</tbody>
</table>

**Lowel Anchors (4)**

<table>
<thead>
<tr>
<th>Code: LA</th>
<th>Weight: 12 oz (340 g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground spikes fit through leg holes in KS, KSA and Grand Stands to anchor on grass, sand etc. (Set of 4).</td>
<td></td>
</tr>
</tbody>
</table>

**Ceiling Link**

<table>
<thead>
<tr>
<th>Code: KCL</th>
<th>Weight: 10 oz (284 g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>
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:** 8 oz (170 g)

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

**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 doorposts. Gaffer-tapes to windows and many wall surfaces to support small lights, such as VI P 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)
- Lowell 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.

**Scissor-mount (2)**

- **Code:** CM-30
- **Size:** 9" x 10" x 1/4"
- **Weight:** 11 oz (311 g)
- Plate only without scissor-mount.

**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.

**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 Lowell 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:** 6 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.
Mounts

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 Lowell accessories. Based on a design by Canadian videographer Peter Warren. Combines with ML-12 & ML-13 stud-mounted Spring Clamps for added versatility.

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 Lowell accessories. Based on a design by Canadian videographer Peter Warren. Combines with ML-12 & ML-13 stud-mounted Spring Clamps for added versatility.

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.

Clamps & Mounts

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. Tilt 180°; pans 360° and locks securely.

Interlink
Code: K1-10
Weight: 12 oz (340 g)
Interconnects various Lowell components. Adds multiple mounting positions; joins two Lowell 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:
1 Uni-stand (UN-33)
1 Lobo (F1-30)
1 Lobo Arm (F1-40)

Booms & Rigs

Lowel Rigs support, position and extend lights, microphones, flags, diffusers, seamless paper, etc. They assemble quickly, without tools from basic Lowell 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. Lowell 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 & LowelScandles. 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 Lowell 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)
**Hard Cases**

**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.

**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:
  1. GO-02 (7.75 x 4")
  2. GO-03 (4.5 x 4")
  3. GO-04 (3 x 4")
  4. GO-05 (22.75 x 4")
  5. 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, Omnidstands 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")
  2. GO-03 (4.5 x 4")
  3. GO-04 (3 x 4")
  4. GO-05 (22.75 x 4")
  5. LB-07 (11.5 x 3.5")
  6. 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.
Multi-system Hard Cases w/ Movable Partitions

Omni 86 Case
Code: O1-86Z
Size: 23.5 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:
  1. GO-01
  2. GO-02
  3. GO-03
  4. LB-07

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 padded shoulder strap (SS-10).
- Holds 2 Totas, and 2 DP Lights, or 2 DP Lights, plus Uni TO Stands, and some accessories.
- Includes the following partitions:
  1. GO-01
  2. GO-02
  3. GO-03
  4. 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 42" (118 cm)
Weight: 8oz (227g)
- Air-cushioned strap adjustable length.
- Fits certain hard cases & Lowel Litebags.

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 shoulder straps allow height variation (7.5" max.).
- Includes the following movable velcro partitions:
  1. LB-04
  2. LB-06

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).
- 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.

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: 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 or Rifa-44, & Uni or Uni TO stands, and some 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
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 shoulder straps allow height variation (7.5" max.).
- Includes the following movable velcro partitions:
  1. LB-04
  2. LB-06
**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**

**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)
- 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 Multi Case**
- Code: MCSEF
- Same as MCSEM with 3 Fren-L Foam inserts.

**Rifa Multi Case**
- Code: MCSER
- Same as MCSEM but with lengthwise partition only (no short partitions) to hold 4 Rifas (88 or smaller) and 4 stands (KS or smaller).

**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.

#### 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)

#### 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)

#### 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)

#### Variflector Case
- **Code:** V44CCZ
- **Size:** 52 x 7.5” dia. (132 x 19 cm)
- **Weight:** 4.75 lbs (2.1 kg)

#### 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)

#### 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)

### Description Details
- **DP3 Case**
  - High impact molded polyethylene case, hinged lid.
  - Holds 3 Fren-L 650s or 3 DP6s, 2 Totas, plus 4 KS Jr. Stands & accessories.
- **DP3 Fren-L Case**
  - Same as above with 3 Fren-L Foam inserts.
- **Small Scandle Case**
  - 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.
- **Big Scandle Case**
  - High impact polyethylene molded case with hinged lid, recessed wheels and rolling handle.
- **Lowel-light K5C Case**
  - High impact, molded polyethylene case, hinged lid.
  - Holds 5 Lowel-lights (less lamps), 5 complete Barndoors (BR-40), 1 roll Gaffer-tape.
- **Variflector Case**
  - High-impact Polyethylene tubular case
  - Transports 1 complete Variflector; 1 GSA Stand.
- **Full Array Case**
  - High-impact molded polyethylene case, hinged lid.
  - Holds 1 complete Light-Array; 1 KSA Stand.
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)

**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)

**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)

**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)

**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)
**Cases**

**Lowel Litebags™**

**Roll Up Carrier**
- **Code:** RU
- **Size:** 52 x 36” (132 x 91 cm)
- **Weight:** 3.25 lbs (1.5 kg)

**Padded Strap**
- **Code:** SS-10
- **Size:** Maximum length 47” (118 cm)
- **Weight:** 8oz (227g)

**Fluorescent Tube Case**
- **Code:** A1-87
- **Size:** 52 x 7.5” dia. (132 x 19 cm)
- **Weight:** 12.75 lbs (5.8 kg)

**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).

**ViP Lampak**
- **Code:** VIP-61
- Stores several Pro, i and V lamps in foam filled plastic case (lamps not included).

**ViP Lampak**
- **Code:** TO-61
- Stores 2 Tota, 4 Omni 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)

**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).

**ViP Lampak**
- **Code:** ViP-61
- Stores several Pro, i and V lamps in foam filled plastic case (lamps not included).

**Tota/Omni Lampak**
- **Code:** TO-61
- Stores 2 Tota, 4 Omni lamps in foam filled plastic case (lamps not included).

**Hard plastic boxes keep lamps safe for storage and travel. Lampaks do not include lamps.**
- **Weight:** 3 oz (85 g)

**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.**

**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.

**Gel Files**

**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.
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.

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**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 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 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)  
2. 500W, 120v lamp (GDA)  
3. Pro-lights (P2-10)  
4. 250W, 120v lamps (GCA)  
5. Uni-stands (UN-33)  
6. Pro-light 4-way Barndoors (iP-20)  
7. Tota-frame (T1-20)  
8. IP Gel-frame (IP-40)  
9. Assorted Gels (T1-78)  
10. Assorted IP Gels (IP-78)  
11. Tota-brella (T1-25)  
12. Clear Glass (iP-49)  
13. IP Diffused Glass & Holder (IP-50H)  
14. Tota-clamp (T1-30)  
15. VIP Lampak (VIP-61)  
16. GO-85 Case

**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:**

1. Pro-lights (P2-10)  
2. 250W, 120v lamps (GCA)  
3. Pro-light 4-way Barndoors (iP-20)  
4. Uni-stands (UN-33)  
5. IP Gel Frame (IP-40)  
6. Assorted Gels (IP-78)  
7. Assorted IP Gels (IP-78)  
8. Tota-brella (T1-25)  
9. VIP Lampak (VIP-61)  
10. 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)
Contains:
- 2 V-lights (V1-10)
- 500w, 120v lamps (GDA)
- 1 Pro-light (P2-10)
- 1 250w, 120v lamp (GDA)
- 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 ViP Lampak (ViP-61)
- 1 GO-85 Case

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)

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: 23 lbs (10.5 kg)
Contains:
- 3 Pro-lights (P2-10)
- 250w, 120v lamps (GCA)
- 3 Uni-stands (UN-33)
- 3 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-53H)
- 1 Vipod with Stud-link (ViP-35S)
- 1 Tota-clamp (T1-30)
- 1 ViP Lampak (ViP-61)
- 1 GO-85 Case

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: 21 lbs (9.5 kg)

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.

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)
Contains:
- 1 Pro-light (P2-10)
- 1 250w, 120v lamp (GCA)
- 1 Pro-light 4-way Barndoor (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

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)

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: 32 lbs (14 kg)
Contains:
- 1 Pro-light (P2-10)
- 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 Clear Glass (iP-49)
- 1 IP Swing-in Diffuser (iP-50H)
- 1 ViP Lampak (ViP-61)
- 1 DP/Rifa Lampak (D2-61)

With LB-35R Soft Case
Code: DVC-913
Weight: 28 lbs (12.8 kg)
With TO-83 Case
Code: DVC-913
Weight: 28 lbs (12.8 kg)

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.
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 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-Flactor (T1-54)
1 Tota-tach (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/Omn 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 Uni Stands (UN-33)
1 KS Jr. Stand (DT-33)
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-Flactor (T1-54)
1 Tota-tach (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 DP/Rifa Lampak (D2-61)
1 Tota/Omn 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**

<table>
<thead>
<tr>
<th>Kit Code</th>
<th>Size (in cm)</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GO Tube Kit</td>
<td>T1-90Z</td>
<td>30.75 x 8.5 x 6.5</td>
</tr>
<tr>
<td>With TO-83 Case</td>
<td>T1-903Z</td>
<td>29.5 x 13 x 7</td>
</tr>
<tr>
<td>With LB-35 Soft Case</td>
<td>T1-90LBZ</td>
<td>30.5 x 11.5 x 8.5</td>
</tr>
</tbody>
</table>

Contains:
- 2 Tota-lights (T1-10)
- 2 Uni TO Stands (UN-55)
- 1 Tota-brella (T1-25)
- 1 Tota-frame (T1-20)
- 2 Assorted Gels (T1-78)
- 1 Tota Lampak (T1-61)
- 1 GO-85 Case

**Omni-light Kits**

<table>
<thead>
<tr>
<th>Kit Code</th>
<th>Size (in cm)</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omni 3 Kit</td>
<td>O1-93Z</td>
<td>29.5 x 17 x 7</td>
</tr>
<tr>
<td>With LB-35 Soft Case</td>
<td>O1-93LBZ</td>
<td>30.5 x 11.5 x 8.5</td>
</tr>
</tbody>
</table>

Contains:
- 3 Omni-lights, (01-10)
- 3 500w, 120v lamps (FTK)
- 3 Omni-stands (01-33)
- 3 Omni-Barndoors (01-20)
- 2 Full Scrims (01-54)
- 1 Half Scrim (01-55)
- 1 Tota-brella (T1-25)
- 1 Tota-frame (T1-20)
- 1 Assorted Gels (T1-78)
- 1 Tota Lampak (T1-61)
- 1 Tota/Omni Case (T0-83)
**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 Assembled Gels (T1-78)
- 1 Tota-brella (T1-25)
- 2 Uni TO Stands (UN-55)
- 1 Omni Lampak (T1-61)
- 1 GO-85 Case

---

**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 Barndoors (01-20)
- 2 500w, 120v lamps (FTK)
- 1 Tota-frame (T1-20)
- 1 Uni TO Stands (UN-55)
- 1 Tota/Mini 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 Uni TO Stands (UN-55)
- 1 Tota/Mini Lampak (TO-61)
- 1 GO-85 Case

---

**Action Kit**

- **Code:** O1-92Z
- **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:** O1-92LBZ
- **Size:** 29.5 x 13 x 7” (74.9 x 33 x 17.8 cm)
- **Weight:** 30 lbs (13.4 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 (T1-61)
- 1 GO-85 Case

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**Omni 4 Kit**

- **Code:** O1-95Z
- **Size:** 29.5 x 17 x 7” (74.9 x 43.2 x 17.8 cm)
- **Weight:** 43 lbs (19.5 kg)

**With TO 83 Case**
- **Code:** O1-95LBZ
- **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 (O1-61)
- 1 Omni Case (O1-86Z)
**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 Full Scrim (01-54)  
- 1 Half Scrim (01-55)  
- 2 Tota-frames (T1-20)  
- 2 Assorted Gels (T1-78)  
- 2 Tota-flags (T1-52)  
- 1 Tota-flector (T1-54)  
- 4 Flexi-shafts 2 pkg (T1-50)

*also available—Super Ambi Kit. See page 65

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**Solo Kit**

**Code:** TO-95Z  
**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 (01-10)  
- 4 500w, 120v lamps (FTK)  
- 2 #3 Superspot Reflectors (01-17)

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**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-943  
**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 (01-10)  
- 1 Omni Barndoor (01-20)  
- 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 Omni Diffused Glass (01-50)  
- 2 Tota-shades (T1-21)  
- 1 Tota/Omni Lampak (TO-61)  
- 1 VIP Lampak (VIP-61)  
- 1 GO 85 Case (GO-65)
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 DPs’ 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 Scrim (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: 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 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 Multi Case (MCSEM)

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)
**Mini-DP&T Kit**

**Code:** DPT-90Z  
**Size:** 23.8 x 15.5 x 10.8"  
(60.4 x 39.3 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)  
2 Uni TO Stands (UN-55)  
1 DP/Tota Lampak (DT-61)  
1 DP-Uni Case (DT-83)

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**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 BB (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)  
2 DP Mixed Gels (D2-78)  
1 Light-flector with Tilter (LFT)  
1 Tota-flag (T1-62)  
1 Tota Frame (T1-20)  
1 TOTA-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)

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**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-light (T1-10)  
2 750w, 120v lamps (EMD)  
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 Large Space Clamp (SC-10)  
3 KS Jr. Stands (DT-33)  
1 DP/Tota Lampak (DT-61)  
1 DP3 Case (DT-84M)

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**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:**  
1 DP Light (D2-10)  
2 DP Barndoors (D2-20)  
2 1000w, 120v lamps (FEL)  
2 Tota-light (T1-10)  
2 750w, 120v lamps (EMD)  
2 Tota-shades (T1-21)  
1 Tota Frame (T1-20)  
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)
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)
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 Lite 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)
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 Uni TO Stand (UN-55)
- 1 Uni-stands (UN-33)
- 1 Pro-light (P2-10)
- 1 250w, 120v lamp (GCA)
- 1 Pro-light 4-way Barndoor (iP-20)
- 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-944LBZ
- Weight: 14.7 lbs (7 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 V Shoulder Case (V-85)

#### 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 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: LCP-955LBZ
- Weight: 17 lbs (7.6 kg)

Contains:
- 1 Rifa-lite 55 (LC-55)
- 1 500w, 120v lamp (EHC)
- 1 KS Jr. Stand (DT-33)
- 1 Uni-stands (UN-33)
- 1 VIP Lampak (VIP-61)
- 1 DP/Rifa Lampak (D2-61)
- 1 Rifa Small Tube Case (R1-82)
**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 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 Uni-stand (UN-33)
- 1 Uni-stand (UN-33)
- 1 Uni-stand (UN-33)

**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 Uni-stand (UN-33)
- 1 Uni-stand (UN-33)

**With LB-40 Large Rifa Litebag Soft Case**
- **Code:** LCP-988LB
- **Weight:** 20 lbs (9.1 kg)

**Rifa System Plus Kits**

**Rifa 66 Daylight Gel Set**
- **Code:** (LC-67)

**Contains:**
- 1 Rifa 66 Daylight Gel Set
- 1 VIP Lampak (VIP-61)
- 1 DP/Rifa Lampak (D2-61)
- 1 Rifa Large Tube Case (R1-83)

**Rifa 88 Daylight Gel Set**
- **Code:** (LC-87)

**Contains:**
- 1 Rifa 88 Daylight Gel Set
- 1 VIP Lampak (VIP-61)
- 1 DP/Rifa Lampak (D2-61)
- 1 Rifa Large Tube Case (R1-83)
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.

Rifa & Multi System Kits

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)
2 KS Jr. Stands (DT-33)
1 DP/Rifa Lampak (D2-61)
1 Rifa Multi Case (MCSER)

Lowel 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)
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 (FEL)
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 (T0-61)
1 GO-85 Case

With LB-30 Soft Case
Code: DV-901LBZ
Weight: 22 lbs (10 kg)
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)
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 (VP-61)
1 GO-85 Case

With TO-83 Case
Code: DV-9023Z
Weight: 35 lbs (15.9 kg)

With LB-30R Soft Case
Code: DV-902LZ
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)
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 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)
1 Tota-flag (T1-52)
1 Tota-brella (T1-25)
1 T/O Lampak (TO-61)
1 DP/Tota Lampak (DT-61)
1 T/O-83 Case

With TO-84Z Case
Code: DV-9034Z
Weight: 42 lbs (19 kg)

With LB-35R Soft Case
Code: DV-903LZ
Weight: 33 lbs (14.8 kg)

Super Ambi Kit
Code: TORDP-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 (VP-61)
1 Tota-flag (T1-52)
1 Tota-lector (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
(TD-61)
1 VIP Lampak (VP-61)
1 GO-85Z Case

With TO-86Z Case
Code: DV-9036Z
Weight: 60 lbs (27.2 kg)
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.

**Caselites 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
2. 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 lbs (11.4 kg)

**Each Kit Contains:**
1. Caselite4 (CF-40) with either daylight or tungsten balanced fluorescent lamps
2. 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.
2. Uni Sr. Stand (UN-66)
3. 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)
Kits

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

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: L1-93US
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

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 pkg)
(LA)
1 Variflector Case (V44CC2)

Lowel-Light KSB Kit

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 KSB Kit

Code: KSB
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 KSC Case (KSC)

Less lamps
Matters of Light and Depth

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. Caritar Wrinkle
Television lighting utilizes a high percentage of hard light because of their ability to project their light from convenient locations overhead and at the sides of the playing areas.

Yilmaz Zsigmond
I do not like to light with hard sources anymore unless that is the way it is in real life. [7]

Haskell Waxler
To be able to light well in hard light makes the soft lighting a piece of cake, because a soft light is very forgiving. [7]

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.

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.
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…”

“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 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 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 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 holders.

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=volts÷radians. 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, well, you’ll blow it—with the electrician, at least.

Angle of Light
The angle formed between the Light-subject axis and camera-subject axis decreases 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-and-behind-and-slightly-to-the-side of it high enough to cut lens Flare. Sims: confusing this source with Top, or Background Light, and for Motivation points, using it at all. Tip: Smoke, steam, and other Transparent subjects adore backlight. Almost any color.

Barndoor
A pivots, usually rotateable, 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 light produced by reflecting light 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 factors 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, kinkylight-spectrum lights, 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 sources.

Continuity of Light
Scenes and sequences are seldom shot out of 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 50:1 (five stops). Also see Lighting Ratio.

Cookorkas
(cookorkas, cookie, kook)
A device, almost as strange as it’s names. Placed in front of a Hard-light, it throws shadows or dappled light on bland walls or areas and impresses impressonable producers.

Cool Light
Lights 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 movies. 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 daytime correction of tungsten diffusion.

Diffused
Translucent materials that soften highlights and shadows, reduce contrast and increase beam-angle.

Direction or Function
The big four: Key, Fill, Backlight and Background Light, are the cornerstones of traditional lighting. Used without regard to the needs of the subject and scene, they become millennials. 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 direction of light) should dominate.

E

Exterior Lighting
Only mad dogs and English camermen go out in the noodly sun. You’re stuck with close-up, tight-end-sun, here are a few Tips: Use Reflectors, a Butterfly or lights. No electricity? Use batteries (even vehicular) with matching-voltage lamps, connectors, and day-lighting. 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 light-tipped). Placed off to the side, the whites of the eyes glow lovingly, tragically, or threateningly, depending upon the music.

F

Focus Range
The ratio of spot to flood. Example: 800 to 100 is: 8. This more the better.

Footcandle (fc)
A unit of incident illumination, largely unaffected by the subject’s luminosity (brightness).

Foregrounds
Dark foregrounds help hold the frame, keep Noah’s Ark-light handy. Tip: silent “s”, lens. Also, a spotlight with a soft source, above or to the subject’s side, is not fair. Prof. Vermeer.

Flood
To increase the beam-size of a focusing light, which, like-it or not, it’s 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 pandamonium around you while you light.

Focus Range
The ratio of spot to flood. Example: 800 to 100 is: 8. The more the better.

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 glowing object, the light or camera angle; using softer light, a polarization filter (not on bare metal), or diffusing-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 reflected at the same angle it came from, but in the opposite direction. Pool players understand. Tip: as soon as this becomes intuitive, planning your lighting set-ups will be much easier. See, Plane lighting.

Goofy 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 handles 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.
### Resources

**High-key**
Lighting which results in predominantly middle-grey to white highlights. It is used close to high-wattage lights, wardrobe, makeup, soft, flat-light, Backlight, possibly camera-lens diffusion.

**Hot Lights**
Shin photographer's lies for constant source (as opposed to strobe) lights.

**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 object.

**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 directions that add sparkle (and, with a star filter, radiating lines of light). However, if too bright, they will add blooming, comot tailing (video) and Flair. 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.

**Motivated Lighting**
Requires that photographic lights appear to come from actual sources, and will increase audience credibility and artistic integrity. Fantasy images? Anything goes.

**Moving Sources**
Effective when justified by the action, baffling most other times. Exceptions: diffusion sources moving with the cast. And in a room, or 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 Scrims 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.

**Neutral Density (gig)**
3, 6, and 9 ND gels reduce light intensity by 1, 2, or 3 stops respectively, without changing color or quality.

**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 dark blue skies. Best camera angle: 90 degrees to the source. Lighting filters approach 2 stops. Tips: 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.

**Reflective Light**
Aim meters that read reflected light at the subject or scene from the direction of the camera. Besides measuring, they help you find the Brightness Ratio. Narrow-angle spot meters are indispensable for distant, unapproachable and tricky (inside furnace type) metering.

**Reflectors**
Curved corrugations 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 or backgrounds, and paraphernalia of all persuasions.

**Rim Light**
Subjects appear to have seen the light, then turned their back on it. Angie: The source looks down the barrel of your lens when the subject moves.

**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.

**Shadows**
The power of a shadow resides in its potential to reveal as well as obscure. By control. 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.

**Silhouettes**
Images 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.

**Soot**
Soft shadows from front-of-the-light “tubes” that project a circle of light on a subject or back and ground and reduce Spill. See Sharp. Tip: Create an ellipse, decrease the light-angle background.

**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 more. 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: a overcast sky.

**Spill**
Spill, like glare and weeds, suggests something unloved. But spill does cut contrast—if that’s what you need. Tip: Flags, Snoots, and Bamboos 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 noses, 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 permanent, permanent blackening of the lamp envelope. Useful lamp life is extended, lamp size decreased.

**V**

**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.
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.

**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).
Tips for the New Pro

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 decrease brightness in some areas:
- Use Barndoors 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 Rife-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 settings. 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 provide fill light on exteriors:
- Use Variflector to reflect the sun. Flood it to avoid excessive fill.
- Use Lightflashers 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 focussability. (Note: Tungsten-halogen lamps shift color temperature when dimmed.)
- Use low wattage lamps to avoid overwhelming available light.
- Use Variflector to reflect light, flooding it as subject moves closer.

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.

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 overextend 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 Stand 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.
- Use Screw-in Stud or Space-clamp for studio sets.
- Use Home-plate with Scissor-mount on small and medium-sized lights.

To mount lights on dropped ceilings:
- 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.
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 &
- Fota, 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.

Tips for the New Pro

- 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.

Resources

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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.

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.

Lowel Dealers

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, Lowel Dimmer, GO Kits, Missing-Link, Fren-L 650, Lowel Gel File, Rifa-lite®, Tota-shade, Fin-S, Litebags, Core Kits, Gel-jawz, CaseKit®, Lowel Fluo-Tec, Lowel Scandles, 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.