

## General Warnings

The Lowel Rifa eX is a professional lighting instrument. Read these instructions and lamp manufacturer's warnings carefully before operating.

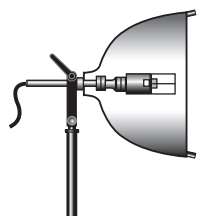
- **Do not pull power cable** to open fixture.
- **Always operate with diffuser safety panel in place.**
- **Not for household use,** use only for photographic lighting (film; video; imaging) purposes.
- **When setting Rifa eX up** always orient it with Warning Label on top.
- **Do not leave Rifa eX unattended.**
- **Always unplug unit and allow it to cool before lamping, changing lampheads, storing.**
- **Do not use more than one diffuser,** nor any diffuser other than the Lowel Rifa diffuser supplied.
- **Make certain that lamp voltage matches power source voltage.** The units use lamps of different voltages (example: never connect a 120 volt lamp to a 230 volt source, or a Rifa-44-EX with 12 or 30 volt lamp to any higher voltage).
- **Do not exceed maximum rated wattage** for unit.
- **Make certain to attach appropriate approved power cable for voltage being used.**
- **Do not interfere with unit's ventilation.**
- **Never touch hot parts.**
- **Units such as this emit considerable light and heat,** if not properly used could be dangerous.
- **Avoid placing unit too close** to faces, delicate objects or flammable materials.
- **Do not use near standing water or in damp locations.**
- **When mounting light overhead** use Safety Cables.
- **Unplug before cleaning material.** Handle reflector with care. Clean with a damp cloth only, as soap or chemical cleaners may damage material. Do not operate while fixture is damp.
- **Do not fold Diffuser when storing.** Roll it up onto supplied cardboard tube to prevent cracking.

## Lamp Warnings

- **Always unplug unit and allow it to cool before lamping, changing lampheads, storing.**
- **Avoid touching glass** with bare fingers. Insert lamps carefully to avoid breaking. Lamps must be pressed firmly and fully into socket. Not doing so will cause socket damage and shortened lamp life.
- **Never exceed maximum rated wattage** of unit.
- **Rifa-44EX socket is designed** to accept lamps with 2 different pin configurations. **Use extra caution when installing & removing lamps,** contacts may be stiff at first.

## Lowel Rifa eXchange Models

### Rifa®eX 44

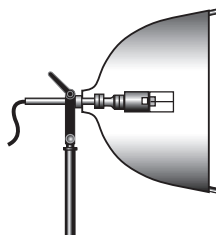


**Code: LC-44EX**  
**Front size:** 16 x 16" (40 x 40 cm)  
**Collapsed length:** 21" (53 cm)  
**Max. wattage:** 300  
**Max. amperage:** 2.5 at 120v  
**Weight:** 2.1 lbs (1 kg)  
 w/ 4' captive cable  
**U.S. Patents:** 459645, 7081001, 7153153



**Supplied Lamphead:** TH-X300

### Rifa®eX 55

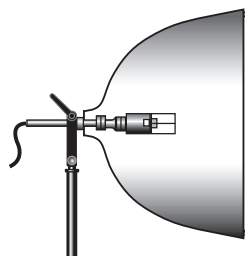


**Code: LC-55EX**  
**Front size:** 21 x 21" (53 x 53 cm)  
**Collapsed length:** 24" (61 cm)  
**Max. wattage:** 500  
**Max. amperage:** 4.2 at 120v  
**Weight:** 2.5 lbs (1.1 kg)  
 w/ 4' captive cable  
**U.S. Patents:** 459645, 7081001, 7153153



**Supplied Lamphead:** TH-X1000

### Rifa®eX 66

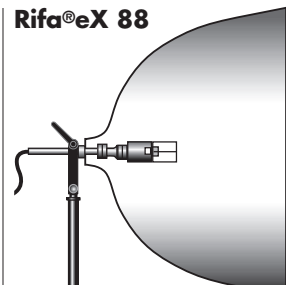


**Code: LC-66EX**  
**Front size:** 25 x 25" (63.5 x 63.5 cm)  
**Collapsed length:** 30" (76 cm)  
**Max. wattage:** 750  
**Max. amperage:** 6.25 at 120v  
**Weight:** 3.5 lbs (1.6 kg)  
 w/ 4' captive cable  
**U.S. Patents:** 459645, 7081001, 7153153



**Supplied Lamphead:** TH-X1000

### Rifa®eX 88



**Code: LC-88EX**  
**Front size:** 32 x 32" (81 x 81 cm)  
**Collapsed length:** 34" (86 cm)  
**Max. wattage:** 1000  
**Max. amperage:** 8.3 at 120v  
**Weight:** 4.5 lbs (2 kg)  
 w/ 4' capt. cable  
**U.S. Patents:** 459645, 7081001, 7153153

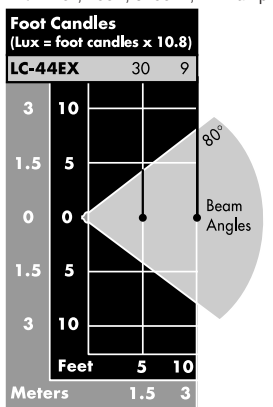


**Supplied Lamphead:** TH-X1000

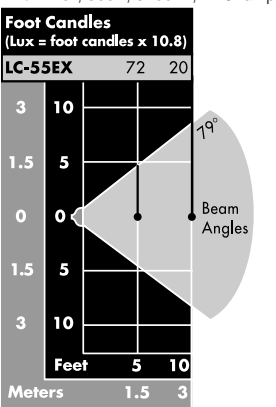
*It is not necessary to remove supplied Standard Lamphead when storing or transporting Rifa eX. Remove only to exchange for accessory lampheads.*

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

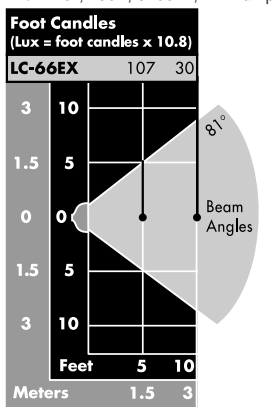
**LC-44EX**  
 with 120v, 200w, 3200°K, FVL lamp



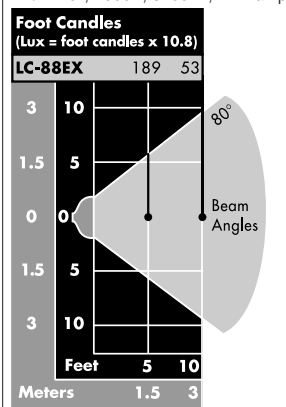
**LC-55EX**  
 with 120v, 500w, 3200°K, EHC lamp



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



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



Lamp Code	Volts	Watts	°K	Avg Life	FC(lux) 5'	FC(lux) 10'
<b>LC-44EX – Maximum 300w</b>						
JCV14.5-50WC	12/14	50	3200	100 hr	7 (80)	2 (22)
GCC	12	100	3200	100 hr	8 (81)	2 (22)
GCB	30	200	3200	100 hr	20 (220)	5 (58)
FSH	120	125	3200	100 hr	15 (166)	4 (46)
FVM	120	105	3200	250 hr	14 (148)	4 (40)
FVL**	120	200	3200	200 hr	33 (356)	9 (100)
GCA	120	250	3200	100 hr	39 (418)	10 (111)
CP/96*	120	300	3400	75 hr	49 (532)	14 (147)
GLF/P44	230	235	3200	100 hr	35 (381)	9 (102)
CP/97*	230	300	3200	75 hr	54 (582)	15 (159)

\*Different lamp base, Rifa-44EX supplied standard lamphead socket accepts this base.

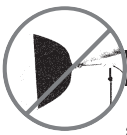


Lamp Code	Volts	Watts	°K	Avg Life	FC(lux) 5'	FC(lux) 10'
<b>LC-55EX – Maximum 500w</b>						
EHC	120	500	3200	300 hr	72 (778)	19 (209)
EHD	120	500	3000	2000 hr	69 (745)	18 (198)
JCV220V-500WBM	220	500	3000	2000 hr	78 (846)	21 (228)
JCV240V-500WBM	240	500	3000	2000 hr	66 (710)	17 (188)
<b>LC-66EX – Maximum 750w</b> (May also use lamps for LC-55EX)						
EHF	120	750	3200	300 hr	109 (1180)	30 (326)
EHG	120	750	3000	2000 hr	89 (962)	24 (262)
FKR/240	240	650	3200	300 hr	92 (990)	25 (270)
<b>LC-88EX – Maximum 1000w</b> (May also use lamps for LC-66EX)						
FEL	120	1000	3200	300 hr	195 (2110)	56 (608)
FEP	240	1000	3200	150 hr	160 (1730)	45 (491)
FEP/240	240	1000	3200	150 hr	148 (1598)	40 (432)



**NOTE:** Above lamps are for Standard lampheads as supplied with models of Rifa eX System and pre-2007 models of Rifa-lite. See instructions for Accessory Lampheads or [www.lowel.com](http://www.lowel.com) for information on use and different lamp options.

# Lowel Rifa® eXchange® Instructions



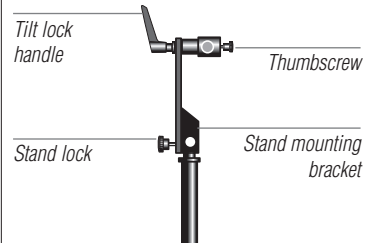
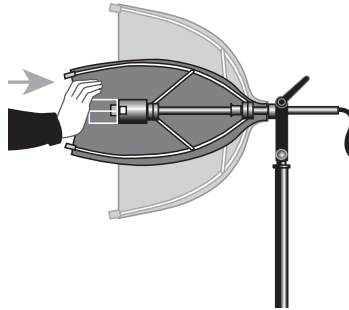
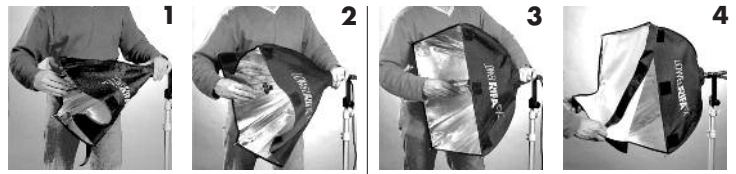
## Setting up Rifa eX

**Warning: Do not pull power cable to open light. Doing so may damage the cable & fixture. Make sure fixture is unplugged before setup.**

- Remove the Rifa eX unit from its sleeve and mount and lock on suitable stand.
- Release tilt lock handle, tilt light to horizontal, relock tilt handle, release the Velcro strap around the folded assembly.
- Reaffix the strap to itself. Unfurl Rifa-lite reflector material until assembly loosens.
- Loosen thumbscrew located on back end of fixture.
- While holding the assembly base push the socket/lamp cage assembly (avoid touching lamp) inward until the

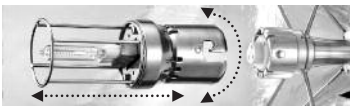
- assembly "click-locks" into position.
- Tighten thumbscrew clockwise to lock fixture open.
- Warning:** The fixture must be locked open before using, failure to do so may cause the fixture to close during operation, damaging the fixture.
- Note:** Make sure tilt lock handle is on left side when viewed from rear, this will cause lock to tighten if light droops forward on stand.
- Orient on stand with one leg extending straight out under Rifa for best balance.

- For increased balance, use Rifa Balance Bar accessory.
- Attach diffuser panel by placing it over the front of the light inserting the corner pins of the reflector frame through the grommets of the diffuser, securing it with Velcro strips located around the reflector.
- Never use more than one diffuser at a time.
- Always operate Rifa-lite with diffuser panel in place.**
- Attach 16' extending (switched) power cord to captive cable IEC connector.



Stand orientation viewed from behind

## eXchange™ System Accessory Lampheads (See eXchange System Lamphead Instructions Sheet for more information)



**TH-X1000** Standard lamphead supplied with Rifa eX 55, 66, & 88. Can not be used with Rifa eX 44.

Lowel Rifa eX uses quick-swapping accessory lampheads of the eXchange System, to increase versatility in lamps & output. It is not necessary to remove supplied Standard Lamphead when storing or transporting Rifa eX.

- To remove standard (supplied) lamphead, make sure fixture is unplugged & cool to touch. With diffuser removed, fixture open, on stand, hold rear fixture stem, and push in & twist lamphead to release.
- Use same method to install accessory head, taking note of proper bayonet pin / cutout alignment.

### TH-X300



#### For all Rifa eX models

Standard lamphead that is supplied with the Rifa eX 44. It will also fit the other models of Rifa eX as an accessory head, allowing use of lower wattage, as well as some lower voltage DC powered, lamps.

Wattage	/	Voltage
125 - 300W	at	120V
235 - 300W	at	240V
50 - 100W	at	12V
200W	at	30V

### FLO-X1

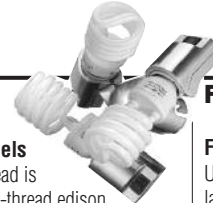


#### For all Rifa eX models

This accessory lamphead is designed to take screw-thread edison base (normal household socket) daylight fluorescent lamps. It will also allow use of low wattage incandescent lamps (27W or less)

Wattage / Voltage	Model
27W or 80W @ 120/240V, 65W @ 120V	Rifa eX 88
27W at 120/240V or 65W at 120V	Rifa eX 66
27W at 120/240V	Rifa eX 55
27W at 120/240V	Rifa eX 44

### FLO-X3



#### For all Rifa eX models

This accessory lamphead is designed to take screw-thread edison base (normal household socket) daylight fluorescent lamps, switched separately.

Wattage / Voltage	Model
27W or 80W @ 120/240V, 65W @ 120V	Rifa eX 88
27W or 80W @ 120/240V, 65W @ 120V	Rifa eX 66
27W or 80W @ 120/240V, 65W @ 120V	Rifa eX 55
27W at 120/240V	Rifa eX 44

### FLO-X5



#### For Rifa eX 88 only

Uses screw-thread edison base lamps. Designed for maximum output from Rifa eX 88, especially when used with the 80w lamp. Use with Rifa Balance Bar for improved balance on stand.

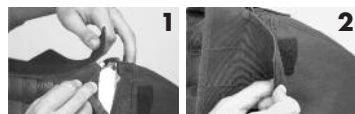
Wattage / Voltage	Model
27W or 80W @ 120/240V, 65W @ 120V	Rifa eX 88

## Attaching Soft Egg Crates

Soft Fabric Egg Crates are a valuable accessory for controlling the approximately 80° beam angle of Rifa, which can cause unintended light spill in other areas of your shot. They can also help prevent a moving subject from becoming overlit as they approach the light. Egg Crates are available in 3 different dispersion angles (30, 40 & 50 degree) for each model of Rifa. Egg Crates will lower output of Rifa eX.



- Unfold Egg Crate accessory. With the diffuser already attached, place the Soft Egg Crate over the front of the light, inserting the corner pins of the reflector frame into the metal tube sockets located in the egg crate corners.
- Secure the egg crate to the body of the Rifa with Velcro strips located around the edge of the reflector housing.



## Packing & Storing Rifa eX

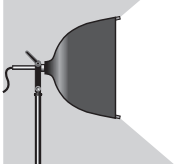
**Unplug light and allow to cool for at least five minutes before disassembly.**

- Detach Soft Egg Crate (if used) and front diffuser. To prevent damage to the diffuser, wrap material around tube and place in pocket of light storage sleeve.
- Accessory fluorescent lampheads & lamps will prevent Rifa eX from collapsing fully. Remove lamps and head before collapsing. Place supplied protective caps on head & post.

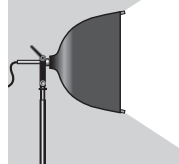
- Hold stand mounting bracket, loosen thumbscrew on mounting arm assembly and push shaft forward until frame has collapsed.
- Smooth reflector material, and secure with Velcro strap, tilt light down, remove unit from light stand and place in sleeve.

## Rifa eX Beam Angles with Soft Egg Crates (Beam Angle = Point at which intensity drops to 50% of maximum)

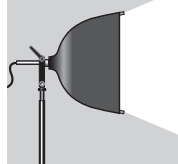
### Rifa alone - 75°



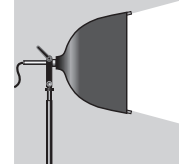
### Rifa with 50° Egg Crate



### Rifa with 40° Egg Crate



### Rifa with 30° Egg Crate



## An Introduction to Rifa eX for the New Pro

The Rifa eX is a dedicated soft light, with quick set-up and beautiful output. With a little practice, good results are easy to achieve.

### First, a brief overview...

Soft light is soft because the size of its source is large when compared to the size of the subject being lit. The larger the ratio of light source size to subject size, the softer the light. If you stand outside on an overcast day, you will have very little shadow because the size of the source (the whole sky) is so much larger than you are.

**Hard light** is hard because the size of its source is small when compared to the subject being lit. In a fixture such as a Pro-light, the physical size of the source is much smaller. This makes the light very directional and as a result, the shadows it throws are sharper. A clear sunny day will result in sharper shadows because of the smaller (harder) source.

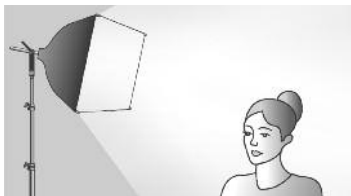
**Distance from source to object** becomes a factor in sharpness as well. The further away from the subject the source is, the smaller the source appears to be & therefore the harder its shadows.

### Rifa eX Models

There are 4 models of Rifa, with front diffusers in sizes of

- 16 x 16" (Rifa 44-EX)
- 21 x 21" (Rifa 55-EX)
- 25 x 25" (Rifa 66-EX)
- 32 x 32" (Rifa 88-EX)

So logically, at same distance, the 88 will be softest of all because its source (the lit diffuser) is the largest.



Soft source close = Softest shadow



Same soft source further back = Less soft shadow

### Directional Sources have smaller surfaces



Direct (small) source = Hardest shadows

### Rifa eX 55, 66, & 88 all use the same standard lamphead & socket.

While you should never use higher wattage lamps than the maximum recommended for each model, you can use lower wattage lamps in the larger models for increased softness at the same wattage / output.

For example, using the 500 watt EHC lamp in the Rifa eX 55 at a distance of 5 feet will give you 72 foot candles of light with the amount of softness from a 24 square inch source, yet using the same 500 watt EHC lamp in the Rifa 88 from a distance of 5 feet, will give you the approx. the same 72 foot candles of light, yet a greater amount of softness because its now coming from a larger 32 square inch source.

The TH-X300 Accessory Lamphead can quickly swap to allow greater use of lower wattage lamps in larger sized Rifa's, to reduce output while retaining softness. It is the supplied standard lamphead for Rifa eX 44

### Positioning the Rifa

Soft light falls off in output strength much more quickly than a hard source of identical wattage, because the soft source is so much larger in size (light is dispersed in a wider direction). As a result, soft sources, like Rifa are designed to be used fairly close to the subject. This can create problems of light spill on the areas behind the subject. The first step in minimizing background spill is to move the subject away from walls, by 6 feet or so if possible. This will allow a light placed on a stand higher than the subject to fall off towards the floor, before hitting the wall.

### Using Fabric Egg Crates

Another situation that can arise as a result of using soft sources close to the subject is fluctuation in exposure level that can occur if the subject moves back & forth in relation to the light source. With the source being so close, its effect can be noticeable in the camera. An easy solution to this, which can also help reduce the light spill described previously, is to add an accessory fabric egg crate to the front of the light. Soft fabric egg crates are available in different degrees of dispersion, so where the Rifa's have an output that will cast light in almost 180 degrees (with the strongest portion of the output being in the center 70- 75 degrees), the egg crates will trim this to either 30, 40 or 50 degrees, depending on the model of egg crate used. They do a great job of preventing the subject from "burning up" if they happen to get too close to the light source for your exposure.

### Mixing with daylight

For setups when you are shooting in a room that also has windows, where the desire is to mix the output of the Rifa with daylight, there are 2 options.

First, using Accessory eXchange Lampheads, you have the option of removing the supplied tungsten-halogen lamphead and swapping to one of several heads that take screw-threaded daylight fluorescent lamps. Use only professional photography lamps, such as our 'On-Color' 80w, not hardware store specials. They may be "daylight" but their low Color Rendering Index will mean poor color rendition across the light spectrum. See eXchange System Lamphead Instructions Sheet or lowel.com for more information.

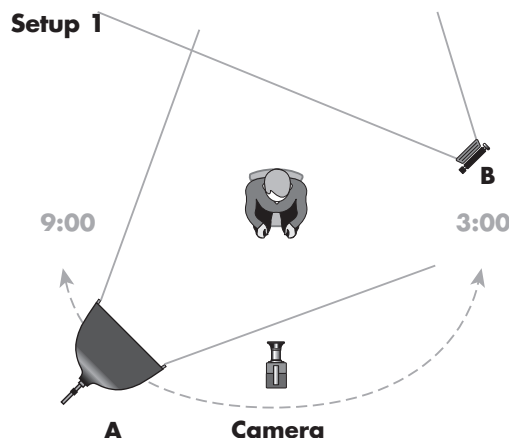
The second option involves using some level of daylight color correction gel. The goal is to match the warmer 3200k tungsten lamp in the Rifa, with the cooler daylight color (5000-6500k). Because daylight can vary in color, depending on whether its direct sun, overcast clouds, blue sky or any combination of the above, you will need to choose either 1/4, 1/2 or full day blue to most closely match the Rifa to the daylight in the room. Rifa Day Blue Gels are custom cut to fit the Rifa's. They are sized to cover the front diffuser with enough excess to allow them to be clipped to the velcro pockets on the side of the light. You can use clothespins, Lowel Gel-jawz, or any small spring loaded clip.

### These are just some starting suggestions.

For an in-depth understanding of the creative decisions involved in the art of lighting, we suggest a visit to Lowel's EDU section at lowel.com. You will find an in-depth lesson on using the eXchange lamp-heads of Rifa eX.

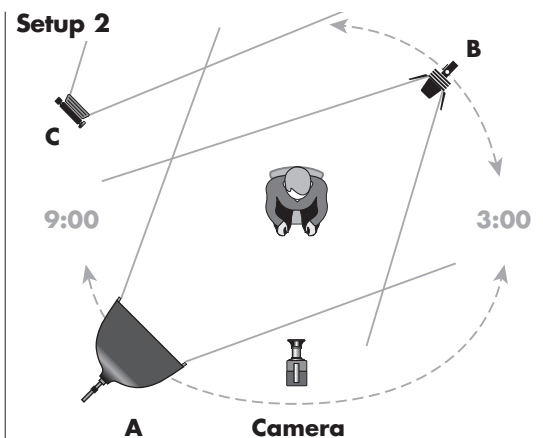


## Basic Starter Setups using Rifa eX



### 1 Rifa, 1 Tota-light

To light an interview subject with the Rifa eX alone, You can place the light at a 45° angle, 2-3 feet higher than the subject, with the light tilted down towards the subject. From there, you can arc the angle of the Rifa-lite out in either direction from 6:00 (at camera - this will give the most even lighting) to either 3:00 or 9:00, depending on how much dramatic contrast & fall off you want in your shot. Place the broad throw Tota so it lights the background without spilling onto the subject.



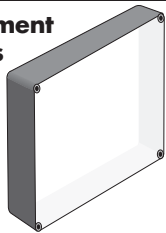
### 1 Rifa, 1 Pro-light, 1 Tota-light

To light an interview subject with 1 Rifa eX and 1 Pro-light (250w focusable hard source), try using the Pro-light as a back light to give the subject separation from the background. Vary the angle to the subject while keeping the 2 lights facing each other for increased dramatic results. As you approach a 9:00 / 3:00 placement, the Pro becomes a hard / dramatic key, as the Rifa becomes soft fill. Note: watch for lens flare from the back light (Pro). Place the broad throw Tota so it lights the background without spilling onto the subject.

**Setup Keys:** A Rifa eX with 250 - 500W lamp B Pro-light with 100 - 250W lamp C Tota-light with 300 - 500W lamp

## Light Controls

### Replacement Diffusers



Standard light diffuser replacements for all 4 models of Rifa. Diffuser must always be used to protect against lamp explosion.

#### For LC-44EX

**Code: LC-44D**  
**Size:** 16 x 16" (40 x 40 cm)

#### For LC-55EX

**Code: LC-55D**  
**Size:** 21 x 21" (53.3 x 53.3 cm)

#### For LC-66EX

**Code: LC-66D**  
**Size:** 25 x 25" (66 x 66 cm)

#### For LC-88EX

**Code: LC-88D**  
**Size:** 32 x 32" (81.3 x 81.3 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-44EX

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

#### For LC-55EX

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

#### For LC-66EX

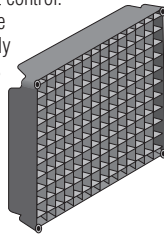
**Code: LC-67**  
**Size:** 33 x 26" (84 x 66 cm)

#### For LC-88EX

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

### Soft Egg Crates

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



#### 30° x 30° Egg Crate

Soft Egg Crate with 30° dispersion angle.

#### 30° Egg Crate for LC-44EX

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

#### 30° Egg Crate for LC-55EX

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

#### 30° Egg Crate for LC-66EX

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

#### 30° Egg Crate for LC-88EX

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

#### 40° x 40° Egg Crate

Soft Egg Crate with 40° dispersion angle.

#### 40° Egg Crate for LC-44EX

**Code: LC-44EC/40**

#### 40° Egg Crate for LC-55EX

**Code: LC-55EC/40**

#### 40° Egg Crate for LC-66EX

**Code: LC-66EC/40**

#### 40° Egg Crate for LC-88EX

**Code: LC-88EC/40**

#### 50° x 50° Egg Crate

Soft Egg Crate with 50° dispersion angle.

#### 50° Egg Crate for LC-44EX

**Code: LC-44EC/50**

#### 50° Egg Crate for LC-55EX

**Code: LC-55EC/50**

#### 50° Egg Crate for LC-66EX

**Code: LC-66EC/50**

#### 50° Egg Crate for LC-88EX

**Code: LC-88EC/50**

## Mounts

### Uni TO Stand

#### Code: UN-55

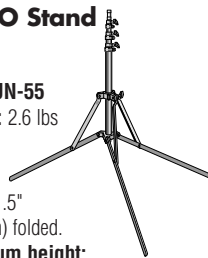
**Weight:** 2.6 lbs (1.2 kg)

**Size:** 21.5" (55.2 cm) folded.

**Maximum height:** 7" (2.2 m)

#### Base diameter: 46"

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

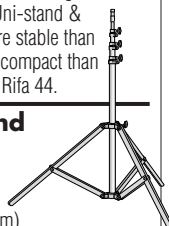


### KS Jr. Stand

#### Code: DT-33

**Size:** Maximum height: 7'7" (2.3 m), Collapsed length: 2'3" (65 cm)

**Weight:** 3.5 lbs (1.6 kg)  
Wide based, sturdy, lightweight stand with 5/8" (1.59 cm) stud and solid bar legs. For Rifa 44, 55, 66.



### KS Stand

#### Code: KS

**Size:** Maximum height:

9' (2.74 m),

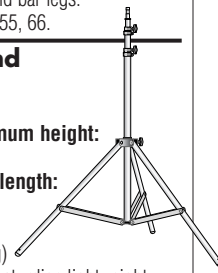
**Collapsed length:**

3' (91 cm)

#### Weight:

4 lbs (1.8 kg)

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



### KSA Stand

#### Code: KSA

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

### Tota-clamp

#### Code: T1-30

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

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



### Safety Cable (3)

#### Code: CM-50

**Weight:** 2 oz (57 g)  
Recommended for extra security when attaching Rifa-lites overhead. (Set of 3).



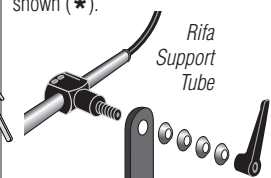
### Balance Bar

#### Code: LC-30

**Size:** 12.5" (31.8 cm)

**Weight:** 6.5 oz (184 g)

The Rifa Balance Bar is an extension arm accessory that mounts between the Rifa-lite and its stand fitting. When installed, it can shift the Rifa's center of gravity to allow better stand balance. It can facilitate angling and tilting of the light when necessary, such as on a boom arm, without the need to overtighten stand fitting knob. Install Balance Bar as shown, orienting conical washers as shown (\*).



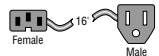
\* Conical Washers

Rifa Stand-fitting



## Cables

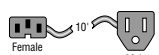
### 16' Switched AC Cable



#### Code: T1-80

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

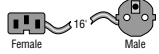
### 10' Unswitched Cable



#### Code: T1-808

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

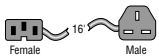
### 16' (5 m) Eurocord



#### Code: T1-801

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

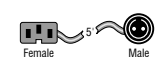
### 16' (5 m) T/O UK Cord



#### Code: T1-802

**Weight:** 13 oz (369 g)  
#18/3 (.75 mm/3) with double pole switch and male fused BS 1363A plug.

### 5' Omni 30v Cable



#### Code: O1-81

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

### 4-pin XLR Switched Cable



#### Code: R2-82

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

### 1' 12v Switched Cigarette Lighter/Car Adaptor Cable



#### Code: R2-85

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

## Lowel-Light Manufacturing, Inc.



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**www.lowel.com**

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