LIGHTING FIXTURE GUIDE

**FRESNELS**
The Fresnel Spotlight is named for the type of lens used. The fresnel lens used in this spotlight has concentric rings and a stepped back producing a soft-edged beam of light. The lamp and reflector can be moved within the housing to create either a spot focus or flood focus. The spot focus has an intense center beam with rapid fall off of the light intensity. The flood focus is a wider beam of light with more even illumination. The fresnel spotlight is most often used on stage for back, side or down lighting.

**ELLIPSOIDALS**
The Ellipsoidal Spotlight is named for the type of reflector used. The ellipsoidal shaped reflector in combination with one or more lenses creates a hard edged beam of light with even light intensity across the beam. The design allows the use of shutters that can shape the beam of light. Ellipsoidals are also used for pattern or “gobo” projection. These fixtures are most often used for “front of house” lighting.

**PAR CANS**
The PAR can is named for the type of lamp used. The Parabolic Aluminized Reflector lamp is a sealed lamp containing the filament, reflector and lens within the glass lamp. The PAR can is a metal lamp housing allowing electrical connection, and the mounting of the color frame and hanging yoke. The PAR fixture is the most cost efficient fixture, giving the greatest light output with the least wattage lamps, and least equipment dollar investment. There is no focusing adjustment on the PAR fixture. The beam spread characteristics are changed by replacing the lamp, normally available in wide flood, medium flood, narrow spot, and very narrow spot. PAR fixtures are often used in place of fresnels or for broad color washes of light.

**BORDERLIGHTS/STRIPLIGHTS**
The Striplight is a long multi-lamp fixture designed for lighting scenery or a cyclorama. This fixture is normally wired in 3 or 4 circuits with one color per circuit often using permanent glass color filters called roundels.

**SCOPS**
The Scoop is a wide angle soft edged flood light generally for set and background lighting. The scoop has a matte finish ellipsoidal shaped reflector and no lens.

**CYC LIGHTS**
Cyc Lights are the modern improvement of the striplight. The cyc light has a special shaped reflector which produces a smooth field of light from the top to the bottom of the cyclorama. Cyc lights are available in one, two, three, or four “cell” units designed to be hung overhead or at the base of the cyclorama.

**FOLLOWSPOTS**
A Followspot requires an operator and produces a sharp movable beam of light to follow a performer about the stage. A followspot produces a beam of light similar to that of the ellipsoidal with the addition of controls to allow the shaping of the beam and smooth rapid changing of color filters.

**VIRTUAL LIGHT LAB Software**
Virtual Light Lab is Macintosh® and Windows 95 based software which allows lighting designers, teachers, or students to experiment with light, shadow, and color effects in a simulated lighting studio.

A model and backdrop are selected, then lights are positioned around the model. Moving a light or changing a color is as simple as dragging a light icon or a color swatch with the mouse. Virtual Light Lab is fast and easy to use. Highly realistic images are displayed immediately and there is no complicated 3D drawing system to be learned.

A library of nearly 500 standard filter colors is included, as well as four models and three backdrops. Up to 32 lights can be mounted in locations surrounding the model and each light can be individually colored and dimmed.

**LIGHTING DESIGN SOFTWARE**
Like many other disciplines, lighting design has gone digital. Check out these powerful software packages that can help you see your show before it ever exists.

Call for FREE software demo disk on any of these products.
The above chart shows the throw distance range for the ellipsoidal fixtures in our catalog. The chart is based on the photometric data supplied by the manufacture of the fixtures. The throw distance range is the useful range for the fixture being used for acting area lighting or specials. The range is based on a minimum field diameter of 6' and a maximum field diameter of 15' with a minimum illumination of 100 foot candles. The photometric information is based on the maximum wattage lamp being used in the fixture. Contact your nearest Norcostco branch for assistance in selecting the correct fixture.
Followspots

Norcostco features followspots for every application and price range. Before selecting a followspot it is necessary to measure the maximum throw (distance from the followspot lens to the actor’s face.) It is desirable to produce a spot of light which will provide more illumination than the surrounding area. Taking into account both “throw” and “illumination” it is possible to select a followspot which will accent the actor with the proper amount of light. Both the LUMINATOR and the 1000 Q FOLLOWSPOT are recommended for throws not to exceed 60 feet.

The TROOPERETTE, COMET, SUPER CLUBSPOT, and the ULTRA QUARTZ are recommended for use with projection distances of up to 100 feet. The Strong Xenon Super Trouper, Ultra Arc and Voyager Followspots which use Xenon and metal halide lamps offer an alternative to the long throw carbon arc. These followspots are recommended for throws greater than 150 feet. Please call or write for more complete literature on any of these spotlight. We will be happy to answer any questions regarding your selection.

**Comet** by Altman

Lamp 360w FLE or ENX included in fixture price, see pages 24-27.

**Description:** The Comet followspot fills the void between conventional incandescent followspots and the high cost of arc followspots. With the unique multimirror lamp that produces a beam candle power of 800,000, the Comet nearly doubles the light output of its competitors. Features include a 3 leaf mechanical dowser, detachable power cord, 6 color locking boomerang, zoom lens system, iris control, and shutter control.

<table>
<thead>
<tr>
<th>Throw In Feet</th>
<th>Diameter Feet</th>
<th>Foot Candles Diameter</th>
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<th>Foot Candles Diameter</th>
<th>Foot Candles</th>
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<tbody>
<tr>
<td>50</td>
<td>10.7</td>
<td>132</td>
<td>6.3</td>
<td>158</td>
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<td>75</td>
<td>16.0</td>
<td>59</td>
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<td>80</td>
<td>4</td>
<td>80</td>
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<td>80</td>
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</tbody>
</table>

**A130 Trouperette IV** Lamp 1000w FEL (included in fixture price), see lamps on pages 24-27.

**Description:** A great spot for smaller venues like churches, schools and community theatres. Strong quality at an affordable price.

<table>
<thead>
<tr>
<th>Throw In Feet</th>
<th>Diameter Feet</th>
<th>Foot Candles Diameter</th>
<th>Foot Candles Diameter</th>
<th>Foot Candles Diameter</th>
<th>Foot Candles Diameter</th>
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<th>Foot Candles Diameter</th>
<th>Foot Candles</th>
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<tbody>
<tr>
<td>50</td>
<td>19</td>
<td>33</td>
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<td>71.5</td>
<td>22.5</td>
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<td>40</td>
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**1000 Q Followspot** by Altman

Lamp 1000W FEL included in instrument price

A120 1000 Q Followspot (Mfg. List 1,250.00) ........................................... 1,123.00

<table>
<thead>
<tr>
<th>Throw In Feet</th>
<th>Diameter Feet</th>
<th>Foot Candles Diameter</th>
<th>Foot Candles Diameter</th>
<th>Foot Candles Diameter</th>
<th>Foot Candles Diameter</th>
<th>Foot Candles Diameter</th>
<th>Foot Candles Diameter</th>
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<td>34</td>
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<td>20 inch</td>
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**Luminator** by Altman

Lamps: 360W FLE included, see Lamps pages 24-27.

A115 Luminator Followspot by Altman (Mfg. List 960.00) ......................................... 864.00

<table>
<thead>
<tr>
<th>Throw In Feet</th>
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<th>Foot Candles Diameter</th>
<th>Foot Candles Diameter</th>
<th>Foot Candles Diameter</th>
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<td>5.4'</td>
<td>238</td>
<td>0.9'</td>
<td>238</td>
<td>0.9'</td>
<td>238</td>
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<tr>
<td>60</td>
<td>9.7</td>
<td>45</td>
<td>8.1'</td>
<td>106</td>
<td>1.4'</td>
<td>106</td>
<td>1.4'</td>
<td>106</td>
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</table>

**FS400 Followspot** by Great Performance Products

Lamp 410w FXL included, see Lamps pages 24-27.

- Side lens focusing
- Top dowser & iris controls
- Electronic dimming control
- 6 color boomerang & blackout
- Easy lamp access
- Regulated power supply

A172 FS400 DS with steel stand (Mfg List 1,450.00) .................................................. 1,238.00

A174 FS400 DA with folding stand (Mfg List 1,525.00) .................................................. 1,295.00

**Super Clubspot**

Lamp: 360W FLE or ENX not included, see Lamps pages 24-27.

A188 Super Clubspot by Lycian (Mfg. List $1,254.00) .................................................. 1,132.50

<table>
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<th>Throw In Feet</th>
<th>Diameter Feet</th>
<th>Foot Candles Diameter</th>
<th>Foot Candles Diameter</th>
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<td>18.9</td>
<td>55</td>
<td>18.9</td>
<td>55</td>
<td>18.9</td>
</tr>
</tbody>
</table>
**TRUSS TROUPER** by Strong

The newest generation of the world famous “Trouper” line, this 1200w HMI unit, using fixed optics with multiple lens options, will find a place in a large variety of productions. As a Rock & Roll truss light, or a balcony or bridge spot, or the high school or nightclub followspot, the TRUSS TROUPER 1.2 will provide a STRONG high light where needed. ALZAK reflector, with exterior mounted lamp Focus controls, Six-color self canceling boomerang. Rear controlled douser and ni-chrome steel iris, Gobo slot and pattern holder/dipstick. Complete left - right operation.

**Xenon Super Trouper II** by Strong

Lamp 2000 watt Xenon (included in Instrument price)

The New version of the industry standard of touring and arena followspots. Smaller, brighter, and lighter than existing models. New design of optical train allows great variety of throw distances.

**Voyager** by Altman

Lamps: HTI 400/24, DTI 400.24 (included in fixture price, see lamps pages 24-27)

Features:
- 8,500,000 Beam Candle Power
- Rugged Aluminum Construction
- Low Power Consumption
- Automatic Color Boom
- Easy operation
- UL Listed

**Mighty Arc II** by Phoebus

• Lamp HTI 400w/24 (not included in instrument price)

**Superarc 400 Model 1267** by Lycian

A front of house followspot suited for 100’ throws to 200’ throws

- Lamp HTI 400w/24 (not included in instrument price)
ELLIPSIOIDAL

The Ellipsoidal Spotlight has become indispensable controlling the placement of light for prosenium, thrust, or arena lighting. Wherever a sharp edged field of light must be kept within a specific area, the ellipsoidal is used. An elliptical reflector concentrates almost all of the lamp light through a series of plano convex lenses of various sizes and focal lengths to produce the right size area of light for the distance of throw used. Four framing shutters are used to control the size and shape of the light beam. The lens system can be focused to provide a soft or hard edge of light. The efficiency of this light projection system allows long throws from 15 to 150 feet. Clear patterns of light (gobos) can be projected effectively for mood or texture. All spotlights are provided with aluminum die cast construction. Alzak reflector and high temperature lens system. PRICES DO NOT INCLUDE LAMPS AND CONNECTORS. ALL LAMP PRICES ARE LISTED ON PAGES 24-27 AND ALL CONNECTOR PRICES ON PAGE 41. Eliminate risk with SAFETY CABLES.

SL SERIES ELLIPSIOIDAL by Strand UL listed

SL Series 10° Ellipsoidal
SL Series 19° Ellipsoidal
SL Series 26° Ellipsoidal
SL Series 36° Ellipsoidal
SL Series 50° Ellipsoidal

MINI-CAN LAMPS:

SL Series 5° Ellipsoidal

MAINTAIN • FLEXIBLE AND REMARKABLY EASY TO HANG AND FOCUS

ROTAION • HIGH PERFORMANCE OPTICAL SYSTEM REMARKABLY EASY TO

SMALLER BRIGHTER BETTER • EXCEPTIONAL LIGHT OUTPUT • FULL 360 BARREL

ROTATION • HIGH PERFORMANCE OPTICAL SYSTEM REMARKABLY EASY TO

MAINTAIN • FLEXIBLE AND REMARKABLY EASY TO HANG AND FOCUS

• Sharp shutter and gobo focus
• Aspheric computer-designed lenses for accurate focus across the entire beam
• High efficiency dichroic coated glass reflector
• Special lens coating for even better performance

SL SERIES ELLIPSIOIDAL by Strand UL listed

SMALLER BRIGHTER BETTER • EXCEPTIONAL LIGHT OUTPUT • FULL 360 BARREL

ROTATION • HIGH PERFORMANCE OPTICAL SYSTEM REMARKABLY EASY TO

MAINTAIN • FLEXIBLE AND REMARKABLY EASY TO HANG AND FOCUS

• Brighter than ever
• Wide range of soft focus while maintaining the beam size, no zooming effect
• Superb clean distribution
• Rapid and accurate focusing for any shutter or gobo position

LAMPS 575 GLC, 578 GLA

Discount Code A

All Strand Accessories

Made in America

NORCOSTCO.COM

See Page 40 for accessories / Pages 24-27 for lamps / Page 41 for connectors.

IF YOU CANNOT FIND A PRODUCT YOU NEED,
WE CAN SPECIAL ORDER FROM ANY OF THE MANUFACTURERS WE REPRESENT.
PORTABLE LIGHTING SYSTEM

This fully DMX-512 controlled, PAR56 portable lighting system fits in the trunk of an intermediate sized cars and sets up in less than 30 minutes. The kit comes with everything you need to get up and running including fixtures, lamps, stand, full DMX console, dimmer packs, control cables, color frames and even gel for your lights. Each set of four lights requires a dedicated 20 amp wall circuit. All you need are extension cords to get to the wall plugs! Choose between two console options.

Call Norcostco for help choosing the right console for your needs.

4.5”x6.5” QUARTZ ELLIPSOIDAL by Altman UL Listed

6" x 9" 600-750 watt recommended. This compact, axially mounted ellipsoidal with double plano-convex lenses is recommended for lighting areas from 15-45 feet away.

<table>
<thead>
<tr>
<th>Lens Size</th>
<th>Focal Length</th>
<th>Field Diameter</th>
<th>Foot Candles</th>
<th>Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 9&quot;</td>
<td>20”/30”</td>
<td>12'/19’</td>
<td>385/95</td>
<td>750 W</td>
</tr>
<tr>
<td>6&quot; 12&quot;</td>
<td>20”/40”</td>
<td>10’/19’</td>
<td>385/95</td>
<td>750 W</td>
</tr>
<tr>
<td>6&quot; 16”</td>
<td>20”/40”</td>
<td>7’/14’</td>
<td>470/115</td>
<td>750 W</td>
</tr>
</tbody>
</table>

A508 4.5 x 6.5 Quartz Ellipsoidal (Mfg. List 237.50) .... 217.75
A510 6 x 9 Quartz Ellipsoidal (Mfg. List 237.50) .... 217.75
A520 6 x 12 Quartz Ellipsoidal (Mfg. List 237.50) .... 217.75
A530 6 x 16 Quartz Ellipsoidal (Mfg. List 237.50) .... 217.75
A540 6 x 22 Quartz Ellipsoidal (Mfg. List 237.50) .... 217.75

SHAKESPEARE SERIES

500-750 watt recommended. This compact, axially mounted ellipsoidal with double plano-convex lenses is recommended for lighting areas from 15-45 feet away.

<table>
<thead>
<tr>
<th>Field Angle</th>
<th>Throw (ft.)</th>
<th>Field Diameter</th>
<th>Foot Candles</th>
<th>Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>50°</td>
<td>10/20’</td>
<td>9.2/18.4</td>
<td>220/55</td>
<td>575HPL/115</td>
</tr>
<tr>
<td>36°</td>
<td>10/20’</td>
<td>6.8/13.6</td>
<td>380/95</td>
<td>575HPL/115</td>
</tr>
<tr>
<td>26°</td>
<td>20/30’</td>
<td>9.2/13.8</td>
<td>230/102</td>
<td>575HPL/115</td>
</tr>
</tbody>
</table>

A450J Source Four Jr 50° ..... 220.50
A436J Source Four Jr 36° ..... 220.50
A426J Source Four Jr 26° ..... 220.50
A42550J Source Four Jr 25°-50° Zoom ..... 275.40

Fixtures for additional cost.

Accessories - Discount Code A
B450JL 50° Lens Assembly ...... 63.00
B436JL 36° Lens Assembly ...... 63.00
B426JL 26° Lens Assembly ...... 63.00
B620 Pattern Holder M-size .... 7.00
B625 Drop In Iris ............... 125.00

50°, 750W HX600 (HX600)

LAMPS

HPL575/115 (115 volts) HPL550/77 (77 volt multiplex operation)

A550 5° Shakespeare Ellipsoidal (Mfg. List 347.50) ... 312.75
A540 40° Shakespeare Ellipsoidal (Mfg. List 347.50) ... 312.75
A530 30° Shakespeare Ellipsoidal (Mfg. List 347.50) ... 312.75
A520 20° Shakespeare Ellipsoidal (Mfg. List 347.50) ... 312.75
A510 10° Shakespeare Ellipsoidal (Mfg. List 347.50) ... 312.75

A605 Shakespeare Ellipsoidal S605 (Mfg. List 510.00) ... 427.50
A615 15°-35° Zoom Ellipsoidal S61535Z (Mfg. List 510.00) ... 459.00

A616 30°-55° Zoom Ellipsoidal S63055Z (Mfg. List 510.00) ... 459.00

Discount Code E

All Shakespeare accessories Discount Code A

DISCOUNT CODE H – Except where noted.
SL SERIES VARIABLE FOCUS ELLIPSOIDAL by Strand  UL listed
SMALLER BRIGHTER BETTER.
EXCEPTIONAL LIGHT OUTPUT - FULL 360 BARREL ROTATION - HIGH PERFORMANCE OPTICAL SYSTEM REMARKABLY EASY TO MAINTAIN - FLEXIBLE AND REMARKABLY EASY TO HANG AND FOCUS
• Brighter than ever
• Wide range of soft focus while maintaining the beam size, no zooming effect
• Superb clean distribution
• Rapid and accurate focusing for any shutter or gobo position

INSTRUMENT  THROW  AREA DIAMETER  F.C.  LAMP
SL 15/32 @ 15° 35 ft. / 45 ft. 9.2 ft. / 11.9 ft. 193 / 117 GLC
SL 15/32 @ 32° 25 ft. / 30 ft. 14.3 ft. / 17.2 ft. 202 / 140 GLC
SL 23/50 @23° 25 ft. / 30 ft. 10.2 ft. / 12.2 ft. 242 / 168 GLC
SL 23/50 @50° 20 ft. / 25 ft. 18.7 ft. / 23.3 ft. 108 / 69 GLC

Features built-in pattern slot. The 5/50 system has simple and quick lamp alignment. Every fixture is shock mounted in silicone to prevent damage. The alignment mechanism ensures ultra high transmission lenses for greater optical clarity. Lenses are shock mounted in silicone to prevent damage. The alignment mechanism ensures simple and quick lamp alignment. Every fixture features built-in pattern slot. The 5/50 system has a wide range of accessories to create other field diameters.

Accessories:
A475 SL Series 23° - 50° Variable Focus Ellipsoidal (Mfg. List 588.00).............. 529.20
A475 SL Series 23° - 50° Variable Focus Ellipsoidal (Mfg. List 588.00).............. 529.20

5/50 SERIES ELLIPSOIDALS by Colortran  UL listed
The 5/50 family of ellipsoidal spotlights are designed to frame areas, project patterns, and create special effects for applications from 10° to 140°. Fixture selection includes the ultra wide 50° to narrow beam long throw 5° and 10° fixtures. The optical system uses high temperature, ultra high transmission lenses for greater optical clarity. Lenses are shock mounted in silicone to prevent damage. The alignment mechanism ensures simple and quick lamp alignment. Every fixture features built-in pattern slot. The 5/50 system has a wide range of accessories to create other field diameters.

Accessories:
B605 Pattern Holder (A Size) (Mfg. List 585.00)..........................337.50
B606 Pattern Holder (B Size) (Mfg. List 585.00)..........................337.50
B617 Iris Kit (110/120/130/140) (Mfg. List 575.00).................. 381.00

SOURCE FOUR ELLIPSOIDAL
Source Four is the first major advance in ellipsoidal spotlight technology in decades.

Source Four represents a complete rethink of the ellipsoidal spotlight, starting with the lamp itself. Source Four was developed around Entertec’s HPL compact filament lamp. The HPL produces more light using less electricity by utilizing its smaller filament for more efficient light collection.

With the HPL Lamp as the starting point, ETC then went on to create Source Four, incorporating a molded dichroic reflector and a unique lens system. Source Four high performance ellipsoidal luminaries are smaller and lighter than conventional ellipsoidal spotlights and produce up to 40% more light, using 45% less energy.

Source Four’s superior optics provide projector quality pattern imaging and sharp shutter cuts without halation. Its cool beam dramatically extends shutter and pattern life and color filter usage is reduced by up to 50%. Interchangeable lens tubes provide 10°, 19°, 26°, 36°, and 50° fields and the rotating gate assembly allows flexible shutter and pattern positioning. The unique lamp housing maintains correct alignment during retrimming. Source Four compensates for dimmer, source and voltage losses and operates with conventional dimming systems, or with ETC’s new multiplex dimming technology.
FRESNEL

The Fresnel has become one of the standard spotlight sources used for the Performing Arts. The high wattage quartz or incandescent lamp is fixed in relation to a reflector. The lamp with reflector is easily adjusted behind the Fresnel lens. A “spot” or “flood” of soft diffused light may be obtained with an even field of illumination to provide a smooth blending of light. It is used where the containment of ambient light is not a problem or used with a Barndoor or Snoot. Most theaters use a combination of sizes from 3” to 10” depending on the distance of throw (hanging position to actor’s face or unit of scenery) and the diameter of area light required. ALL LAMP PRICES ARE LISTED ON PAGES 24-27 AND ALL CONNECTOR PRICES ON PAGE 41. SAFETY CABLES AND EXTRÀ LAMPS ARE A WISE INVESTMENT. ALWAYS CALL FOR ASSISTANCE. IF NEEDED, WRITE FOR COMPLETE SPECIFICATIONS.

6” QUARTZ FRESNEL by Altman UL Listed

500-750 watt recommended. This unit is designed to handle the high temperature of the quartz lamp and deliver the most light with less wattage. Use to light all performance areas in theatre or television.

<table>
<thead>
<tr>
<th>FOCUS</th>
<th>THROW</th>
<th>AREA DIA.</th>
<th>F.C.</th>
<th>WATT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spot/Flood</td>
<td>20 ft.</td>
<td>6 ft / 28 ft.</td>
<td>230/22</td>
<td>750</td>
</tr>
<tr>
<td>Spot/Flood</td>
<td>30 ft.</td>
<td>6 ft / 42 ft.</td>
<td>100/10</td>
<td>750</td>
</tr>
</tbody>
</table>

LAMPS

- 500BT – 750BTN

A230 6” Quartz Fresnel (Mfg. List 115.00) ........................................ 103.00

- 750BTN

B509 7/8” x 7/8” Color Frame B563 Barn Door 4-way

B632 C-clamp B585 Color Wheel

B634 Safety Cable B586 Motorized Color Wheel

B572 Snoot

8” QUARTZ FRESNEL by Altman UL Listed

500-1000 watt recommended. This is Altman’s high performance Fresnel. It may be used anywhere. Precise beam shaping is not required and is perfect for studies, nightclubs, museums and showrooms that require soft edged controlled lighting.

<table>
<thead>
<tr>
<th>FOCUS</th>
<th>THROW (Feet)</th>
<th>FIELD DIA. (Feet)</th>
<th>FOOT CANDLES</th>
<th>LAMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spot</td>
<td>15/20/35/50</td>
<td>3.4/5.5/5.7/6.8</td>
<td>796/448/268/199</td>
<td>BTR (1000W)</td>
</tr>
<tr>
<td>Flood</td>
<td>15/20/25/30</td>
<td>23/30/38/45</td>
<td>53/30/19/13</td>
<td>BTR (1000W)</td>
</tr>
</tbody>
</table>

LAMPS

- 500BT – 1000BTN

A255 6” Diecast Fresnel (Mfg. List 265.00) .................................... 242.50

- 1000BTR – 2000BVT

B509 7/8” x 7/8” Color Frame

B632 C-clamp

B634 Safety Cable

B563 Barn Door 4-way

B585 Color Wheel

B586 Motorized Color Wheel

AVAILABLE BY SPECIAL ORDER WITH MEDIUM BI-POST SOCKET

3” DIECAST FRESNEL by Altman UL Listed

3” Deep Focus spotlight with a smooth soft-edged beam. Medium Pre-focus socket. Lightweight extruded aluminum body. This is one of the best values for a quality 6” fresnel.

<table>
<thead>
<tr>
<th>FOCUS</th>
<th>THROW</th>
<th>AREA DIA.</th>
<th>F.C.</th>
<th>LAMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood</td>
<td>9 ft.</td>
<td>12.5 ft.</td>
<td>198</td>
<td>EGT (1000W)</td>
</tr>
<tr>
<td>Spot</td>
<td>30 ft.</td>
<td>7.3 ft.</td>
<td>204</td>
<td>EGT (1000W)</td>
</tr>
</tbody>
</table>

LAMPS

- 500BT – 1000BTN

A200 3” Fresnel (Mfg. List 82.50) ........................................... 74.25

- 1000BTR – 2000BVT

B522 Color Frame

B571 3” Snoot

B631 Small Pipe-Clamp

B586 Color Wheel

B563 Barn Door

B573 Snoot

6” THEATRE FRESNEL by Colortran UL Listed

500-1000 watt recommended. Compact Fresnel spotlight with a smooth soft-edged beam. Medium Pre-focus socket. Lightweight extruded aluminum body. This is one of the best values for a quality 6” fresnel.

<table>
<thead>
<tr>
<th>FOCUS</th>
<th>THROW</th>
<th>AREA DIA.</th>
<th>F.C.</th>
<th>LAMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood</td>
<td>9 ft.</td>
<td>12.5 ft.</td>
<td>198</td>
<td>EGT (1000W)</td>
</tr>
<tr>
<td>Spot</td>
<td>30 ft.</td>
<td>7.3 ft.</td>
<td>204</td>
<td>EGT (1000W)</td>
</tr>
</tbody>
</table>

LAMPS

- 500BT – 1000BTN

A210 6” Theatre Fresnel (Mfg. List 245.00) .................................. 234.00

- 1000BTR – 2000BVT

B509 7/8” x 7/8” Color Frame

B632 C-clamp

B634 Safety Cable

B563 Barn Door 4-way

B585 Color Wheel

B586 Motorized Color Wheel

6” FRESNELITE by Strand UL Listed

500-1000 watt recommended. Compact Fresnel spotlight with a smooth soft-edged beam. Medium Pre-focus socket. Lightweight extruded aluminum body.

<table>
<thead>
<tr>
<th>FOCUS</th>
<th>THROW</th>
<th>AREA DIA.</th>
<th>F.C.</th>
<th>LAMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spot/Flood</td>
<td>20 ft.</td>
<td>4.6 ft / 12.7 ft.</td>
<td>438 / 185</td>
<td>BTR (1000W)</td>
</tr>
<tr>
<td>Spot/Flood</td>
<td>30 ft.</td>
<td>6.8 ft / 25.5 ft.</td>
<td>194 / 46</td>
<td>BTR (1000W)</td>
</tr>
</tbody>
</table>

LAMPS

- 500BT – 1000BTN

A208 6” Fresnelite (Mfg. List 395.00) ....................................... 355.50

- 1000BTR – 2000BVT

B509 7/8” x 7/8” Color Frame

B632 C-clamp

B634 Safety Cable

B572 Snoot

B563 Barn Door 4-way

B585 Color Wheel

B586 Motorized Color Wheel

See Page 40 for accessories / Pages 24-27 for lamps / Page 41 for connectors

FIXTURES – DISCOUNT CODE H

MADE IN AMERICA

NORCOSTCO.COM
**FLOODLIGHTS**

Borderlights, Cyclights and Scoops all fall into this broad general lighting classification. Used for blending and toning, these instruments are indispensable for Cyclorama and other background lighting. Units are complete with 3-wire leads and color frames. Prices do not include lamps or connectors.

Lamp prices are listed on pages 24-27, connector prices on page 41 and accessories on page 40.

<table>
<thead>
<tr>
<th>Lens Size</th>
<th>Throws (Fl.)</th>
<th>Field Dia. (Fl.)</th>
<th>Foot Candles</th>
<th>Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Narrow Spot</td>
<td>6/9/12/15</td>
<td>1.6/2.3/3.1/3.9</td>
<td>3600/1600/2400/1500</td>
<td>HPL575/115v</td>
</tr>
<tr>
<td>Narrow Spot</td>
<td>6/9/12/15</td>
<td>2.0/3.0/4.0/5.0</td>
<td>6500/2900/1600/1050</td>
<td>HPL575/115v</td>
</tr>
<tr>
<td>Medium Flood</td>
<td>6/9/12/15</td>
<td>2.2/3.0/3.8/4.3/7.5/7.5/9.6</td>
<td>3000/13700/771/493</td>
<td>HPL575/115v</td>
</tr>
<tr>
<td>Wide Spot</td>
<td>6/9/12/15</td>
<td>2.2/5.9/4.8/8.6/4.1/11.8/8.0/14.7</td>
<td>1280/570/321/205</td>
<td>HPL575/115v</td>
</tr>
</tbody>
</table>

| A490 | ETC Source Four PAR EA | 168.30/Discount Code H | B509 Color Frame | B563 Safety Cable |
| A496 | ETC Source Four PAR 4 pc. lens set | 20.00/ Discount Code A | B530 Black Color Frame | B572 Snoot |

**PARS**

Lens and reflector systems for these fixtures are built into the lamp they use. The “cans” themselves are lampholders which allow for hanging and focusing. Available in 5 sizes and diameters: PAR 16 (2”), PAR 38 (3”), PAR 46 (6”), PAR 56 (6”). PAR 64 (8”).

**INCAPDENTES & QUARTZ SCOOPS by Altman UL Listed**

Four Basic Models:
- 10” incandescent recommended for 250-400 watts and up to 15” throws.
- 14” incandescent recommended for 500-750 watts and medium throws.
- 16” quartz recommended for 1000 watts and incannellable from medium to wide flood.
- 16” quartz recommended for 500-1000 watts and large surfaces at close ranges.

Price for all but 16” quartz includes rotating color frame holder and frame. 16” quartz color frame available at additional cost. P.O.A.

**LAMPS**

PAR 16: FSC MR16/NSP, FSE MR16/MFL, FSF MR16/WFL
PAR 38: 150PAR38/FL, 150PAR38/SP, 150PAR38/FL, 150PAR38/SP, Q50PAR38/FL, Q50PAR38/SP, 300PAR38/FL, 300PAR38/SP
PAR 46: 200PAR46/NSP, 200PAR46/MFL, 200PAR46/WFL
PAR 56: 300PAR56/NSP, 300PAR56/MFL, 300PAR56/WFL, 500PAR56/NSP, 500PAR56/MFL, 500PAR56/WFL
PAR 64: 500PAR64/NSP, 500PAR64/MFL, 500PAR64/WFL, FFN-1000PAR64/VNSP, FFN-1000PAR64/NSP, FFR-1000PAR64/MFL, FFS-1000PAR64/WFL, BHC/DYS/DYV, (600 watt ray light kit only)

**THE RUNT**

The Runt is your ideal choice when you need a bright, even wall or cyc wash only an asymmetric field deliver.

W ith The Runt, you get full size power from the smallest 750W asymmetric luminaire available.

The Runt is listed

<table>
<thead>
<tr>
<th>Star Par</th>
<th>Discount Code H</th>
</tr>
</thead>
<tbody>
<tr>
<td>A495V</td>
<td>172.00</td>
</tr>
<tr>
<td>A495M</td>
<td>172.00</td>
</tr>
<tr>
<td>A495S</td>
<td>172.00</td>
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<tr>
<td>A495A</td>
<td>172.00</td>
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<tr>
<td>A495N</td>
<td>7.00</td>
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<tr>
<td>A495M</td>
<td>7.00</td>
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<tr>
<td>A495S</td>
<td>7.00</td>
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<tr>
<td>A495N</td>
<td>7.00</td>
</tr>
<tr>
<td>A499W</td>
<td>172.00</td>
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<tr>
<td>A499M</td>
<td>172.00</td>
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<tr>
<td>A499S</td>
<td>172.00</td>
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<tr>
<td>A499M</td>
<td>7.00</td>
</tr>
<tr>
<td>A499S</td>
<td>7.00</td>
</tr>
<tr>
<td>A499N</td>
<td>7.00</td>
</tr>
</tbody>
</table>

Accessories: B506 Color Frame | B634 Safety Cable

**NEW 6’, 7.5’, or 8’ BORDERLIGHT by Altman UL Listed**

Incanescdent 150-300 watt recommended. This approved borderlight is widely used because of its great versatility to light scenic drops, cycloramas, or as toning light above stage. It is equipped with a combination of color frames for use with Roscolux or color roundels. Available in various lengths and wired for 3 or 4 circuits.

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>6’</td>
<td>351.00 / Discount Code H</td>
</tr>
<tr>
<td>7.5’</td>
<td>487.00 / Discount Code H</td>
</tr>
<tr>
<td>8’</td>
<td>649.50 / Discount Code H</td>
</tr>
</tbody>
</table>

**LAMPS**

- 150 watt R/FL
- 300 watt R/FL

**ACCESSORIES**

- B506 Color Frame
- B634 Safety Cable

**STANDARDS**

- 3-wire leads
- 3-wire leads with color frames

**STANDARD FLOGUE**

- Borderlights
- Cyclights
- Scoops all fall into this broad general lighting classification.
**BROAD CYC**

The Broad Cyc offers flexibility not found in other units. It can be field assembled into any of 1 to 4 configurations using a screwdriver. The adjustable socket brackets allow conversion from FHM to an FFT without disassembly of the unit.

Lamps: 500DF, 500FDN, 500EJG, 500EMD, 1000FCM, 1000FHM, 1500FDB, 2000FFW

A802 65-71 Broad Cyc 1 cell unit, no yoke (Mfg. List 235.00) .............................................................. 190.50
A804 65-71/1 Broad Cyc 1 cell unit (Mfg. List 261.00) ........................................................................ 211.50
A806 65-71/2 Broad Cyc 2 cell unit (Mfg. List 516.00) ........................................................................ 416.50
A808 65-71/3 Broad Cyc 3 cell unit (Mfg. List 769.50) ........................................................................ 615.50
A812 65-71/4 Broad Cyc 4 cell unit (Mfg. List 1,023.00) .......................................................... 829.50
A813 Broad Cyc Color Frame ............................................................................................................ 22.25 / Discount Code A

**MINI STRIPS**

Lamps: EXT, EXZ, EYX, EYC, EYF, EYJ

Fixture does include trunions, color frames, feed through wiring.

Fixture does include lamps, C-clamps, or connectors.

A824 6560-4 Mini Strip 2' 10 light, 1 circuit, (2' 4") (Mfg. List 369.00) .................................................. 300.00
A826 6560-4 Mini Strip 4' 20 light, 2 circuit, (4' 3") (Mfg. List 718.00) ................................................... 576.00
A828 6560 Mini Strip 6' 30 light, 3 circuit, (6' 3") (Mfg. List 955.00) .................................................... 774.00
A832 6580 Mini Strip 8' 40 light, 4 circuit, (8' 3") (Mfg. List 1,298.00) ........................................... 1,051.50
A834 Mini Strip Color Frame .............................................................................................................. 5.25 / Discount Code A

**ROSCO I-Cue Intelligent Mirror™**

The Rosco I-Cue is an ellipsoidal spotlight attachment that allows you to reposition the beam of light directly from your DMX lighting control console. The unit slides into the color frame slot of ETC Source 4, Altman Shakespeare, and Strand SL series ellipsoidal and gives you precise control over pan and tilt. A power supply is necessary to get 24VDC to the I-Cue, and can be daisy chained from one power supply. The I-Cue is compatible with Wybron-Forerunner, Rainbow, and AC Lighting Chroma G power supplies.

N318 I-Cue Intelligent Mirror (requires power supply and DMX control) ........................................ 560.00
N320 PSU-02 Power Supply will power 2 – I-Cue, DMX control required ....................................... 112.00
N322 PSU-02 Power Supply will power 8 – I-Cue, DMX control required ...................................... 612.00

**COLOR CHANGERS**

N290 #4540 Forerunner Color Changer 4" model ............................................................................. 575.20
N292 #7140 Forerunner Color Changer 7" model ............................................................................. 575.20
N284 Forerunner Color Changer Power Supply 16 unit .................................................................. 558.75
N230 #4560 CXI Color Changer, 255 preset colors, 4" model ...................................................... 1,462.25
N232 #7200 CXI Color Changer, 255 preset colors, 7.5" model ................................................... 1,511.00
N234 #19000 ColorRam II Power Supply (12 CXI capacity) ........................................................... 2,033.50
N236 #19012 ColorRam II Power Supply (6 CXI capacity) ............................................................. 1,391.25
N280 Forerunner 4" model mounting plate, Source 4, SL Series .................................................. 23.40
N282 Forerunner 7" model mounting plate, Source 4, SL Series ................................................... 30.25
N284 Forerunner 7" model mounting plate, Source 4 PAR, 6" Ellip. ............................................. 41.70
N286 Forerunner 7" model mounting plate, PAR 64 ................................................................. 17.55
N296 Color Changer Control/Power Cable 10' .............................................................................. 39.95
N298 Color Changer Control/Power Cable 15' .............................................................................. 42.90
N282 Color Changer Control/Power Cable 25' .............................................................................. 50.70
N272 Color Changer Control/Power Cable 50' .............................................................................. 68.25
N274 Color Changer Control/Power Cable 100' ............................................................................ 102.40
N276 Forerunner 16 frame gel string 4" model ............................................................................... 36.30
N278 Forerunner 16 frame gel string 7" model ............................................................................... 38.70

**ROSCO ImagePro™ GOBO SLIDE PROJECTION**

Using the ImagePro™ and a typical theatrical spotlight, project virtually any image you want – quickly, affordably, and easily. The ImagePro™ projects an image from a simple plastic slide. Attach an iPro™ slide cartridge to the back plate of the ImagePro™, insert it into the iris slot of an EYC Source Four, Altman Shakespeare or a Strand SL series ellipsoidal, and you will have a full color image projector. Even at full intensity the iPro™ slide will last 15-50 hours. Choose from over 400 standard slides, have custom iPro™ slide made less than 24 hours, or have a kit on hand for making that last minute slide.

N330 ImagePro™ ...................................................................................................................... 249.50
N332 iPro Standard slide, 24 hour service to ship ........................................................................ 35.00
N334 iPro Custom slide, 24 hour service to ship (made from production ready art work in any standard digital format, e-mail artwork to your local Norcostco Location) ................................................................. 35.00
N336 Scanning, layout change, or resizing your image (adds 48 hours) .......................................... 20.00
N338 iPro Custom Slide Kit ......................................................................................................... 30.00