ETC

Source Four® PAR EA

PAR-EA Series

SPECIFICATIONS

Open reflector lighting fixture

PHYSICAL
- Die-cast aluminum
- Tool free access to the reflector and lens
- High-impact, thermally insulated knobs
- Sealed reflector housing
- Reflector temperature control through integral heat sink fins
- Gel frame holders with two accessory slots
- Top-mounted, gel-frame retainer
- Steel yoke with two mounting positions
- Positive locking yoke clutch
- UL and cUL listed

ELECTRICAL
- 115-240V, 50/60Hz
- High-temperature three-conductor 36" leads in a glass fiber outer sleeve
- Supports ETC Dimmer Doubling™ technology

LAMP
- HPL — compact tungsten filament contained in a krypton/xenon-filled quartz envelope (see table for suitable lamp types)
- 750W maximum
- Patented filament geometry makes for extremely efficient light collection and transmission
- Integral die-cast aluminum heat sink lamp base

LENSES
- Four heat resistant, molded borosilicate glass lenses supplied with each unit: Very Narrow Spot (VNSP), Narrow Spot (NSP), Medium Flood (MFL) and Wide Flood (WFL).
- Round beam for VNSP and NSP, oblong beam shape for MFL and WFL
- Tool free lens changing
- Thermally insulated lens ring

OPTICAL
- Modified parabolic and multifaceted reflector
- Computer designed reflector facets molded directly into heat sink casting, finished with an enhanced aluminum deposition process, and polished for maximum reflectance
- Metal Cold Mirror (MCM) also available

ORDERING INFORMATION

Source Four ParEA

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAR-EA</td>
<td>Source Four PAR Enhanced Aluminum (Black)</td>
</tr>
<tr>
<td>PAR-EA-1</td>
<td>Source Four PAR Enhanced Aluminum (White)</td>
</tr>
</tbody>
</table>

ETC Source Four PAR EA are supplied with 4 lens set: VNSP, NSP, MFL, WFL; color frame and 3' (96cm) lead as standard

Connector Designation

<table>
<thead>
<tr>
<th>Model#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Parallel-blade U-ground connector</td>
</tr>
<tr>
<td>B</td>
<td>Two-pin and ground, 20 amp connector</td>
</tr>
<tr>
<td>C</td>
<td>Grounded, 20 amp, twistlock connector</td>
</tr>
<tr>
<td>M</td>
<td>Dimmer Doubling™ connector (NEMA L515P)</td>
</tr>
</tbody>
</table>

Source Four PAR EA Accessories

<table>
<thead>
<tr>
<th>Model#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>407CF</td>
<td>Color frame (7.5&quot;) (included)</td>
</tr>
<tr>
<td>400SC</td>
<td>Safety Cable</td>
</tr>
<tr>
<td>400CC</td>
<td>C-Clamp</td>
</tr>
<tr>
<td>400-VNSP</td>
<td>Very Narrow Spot lens</td>
</tr>
<tr>
<td>400-NSP</td>
<td>Narrow Spot lens</td>
</tr>
<tr>
<td>400-MFL</td>
<td>Medium Flood lens</td>
</tr>
<tr>
<td>400-WFL</td>
<td>Wide Flood lens</td>
</tr>
<tr>
<td>400–L54</td>
<td>Set of four Source Four PAR lenses (VNSP, NSP, MFL, WFL)</td>
</tr>
<tr>
<td>400PTH3</td>
<td>Top hat, 3“</td>
</tr>
<tr>
<td>400PTH6</td>
<td>Top hat, 6“</td>
</tr>
<tr>
<td>400PHH</td>
<td>Half hat</td>
</tr>
<tr>
<td>400X8TH</td>
<td>Cross baffle top hat</td>
</tr>
<tr>
<td>400PGE3</td>
<td>Gel extender, 3”</td>
</tr>
<tr>
<td>400PGE6</td>
<td>Gel extender, 6”</td>
</tr>
<tr>
<td>400BD</td>
<td>Barn door</td>
</tr>
<tr>
<td>400L</td>
<td>Egg crate louver</td>
</tr>
<tr>
<td>400WB</td>
<td>Weighted base</td>
</tr>
</tbody>
</table>

Note: For colors other than black or white, please call ETC
PHOTOMETRIC DATA

Very Narrow Spot

Distance (ft) | 35 | 50 | 65 | 80
--- | --- | --- | --- | ---
Field Diameter (ft) | 10.8 | 15.5 | 20.2 | 24.8
Illumination (fc) | 269 | 132 | 78 | 52

VNSP

<table>
<thead>
<tr>
<th>Degree</th>
<th>Candlepower</th>
<th>Field Lumens</th>
<th>Efficacy</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>VNSP</td>
<td>330,000</td>
<td>10,100</td>
<td>13.5 LPW</td>
<td>46%</td>
</tr>
</tbody>
</table>

For Field diameter at any distance, multiply distance by .31
For Beam diameter at any distance, multiply distance by .17

Narrow Spot

Distance (ft) | 35 | 50 | 65 | 80
--- | --- | --- | --- | ---
Field Diameter (ft) | 11.6 | 16.5 | 21.5 | 26.4
Illumination (fc) | 256 | 125 | 74 | 49

NSP

<table>
<thead>
<tr>
<th>Degree</th>
<th>Candlepower</th>
<th>Field Lumens</th>
<th>Efficacy</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSP</td>
<td>313,000</td>
<td>10,200</td>
<td>13.6 LPW</td>
<td>47%</td>
</tr>
</tbody>
</table>

For Field diameter at any distance, multiply distance by .33
For Beam diameter at any distance, multiply distance by .17

Metric Conversions: For Meters multiply feet by .3048
For Lux multiply footcandles by 10.76

All photometric data in this document was prepared using standard production fixtures, and the Prometric™ CCD measurement system. Fixtures were adjusted for cosine distribution, and were tested with a calibrated HPL 750/115V 21,900 lamp at its rated voltage. All data were normalized to nominal lamp lumens.

To determine illumination in footcandles or lux at any throw distance, divide candlepower by distance squared.

For illumination with any lamp, multiply the candlepower of a beam spread by the multiplying factor (mf) shown for that lamp.
Medium Flood

Distance (ft) 25 35 45 55
Field Diameter (ft) 9.8/13.8 13.7/19.3 17.6/24.8 21.5/30.3
Illumination (fc) 251 128 78 52

MFL

<table>
<thead>
<tr>
<th>Degree</th>
<th>Candlepower</th>
<th>Field Lumens</th>
<th>Efficacy</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFL</td>
<td>157,000</td>
<td>10,800</td>
<td>14.4 LPW</td>
<td>49%</td>
</tr>
</tbody>
</table>

For Field diameter at any distance, multiply distance by .55 / .39
For Beam diameter at any distance, multiply distance by .32 / .21

Wide Flood

Distance (ft) 20 25 30 35
Field Diameter (ft) 11.7/17.4 14.3/21.8 17.1/26.1 20.0/30.5
Illumination (fc) 158 101 70 52

WFL

<table>
<thead>
<tr>
<th>Degree</th>
<th>Candlepower</th>
<th>Field Lumens</th>
<th>Efficacy</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>WFL</td>
<td>63,300</td>
<td>10,000</td>
<td>13.3 LPW</td>
<td>46%</td>
</tr>
</tbody>
</table>

For Field diameter at any distance, multiply distance by .84 / .57
For Beam diameter at any distance, multiply distance by .49 / .30

Metric Conversions:
For Meters multiply feet by .3048
For Lux multiply footcandles by 10.76

All photometric data in this document was prepared using standard production fixtures, and the Prometric™ CCD measurement system. Fixtures were adjusted for cosine distribution, and were tested with a calibrated HPL 750/115V 21,900 lamp at its rated voltage. All data were normalized to nominal lamp lumens.
To determine illumination in footcandles or lux at any throw distance, divide candlepower by distance squared.
For illumination with any lamp, multiply the candlepower of a beam spread by the multiplying factor (mf) shown for that lamp.
Source Four® PAR EA

PAR-EA Series

**Lamp code** | **Watts** | **Volts** | **Initial Lumens** | **Color Temp.** | **Average Rated Life** | **MF**
---|---|---|---|---|---|---
HPL 750/115 | 750 | 115 | 21,900 | 3,250˚ | 300 | 1.00
HPL 575/115 | 575 | 115 | 16,520 | 3,250˚ | 300 | 0.87
HPL 575/115X | 575 | 115 | 12,360 | 3,050˚ | 2000 | 0.66
HPL 575/120 | 575 | 120 | 16,460 | 3,250˚ | 300 | 0.87
HPL 375/115 | 375 | 115 | 10,540 | 3,200˚ | 300 | 0.55
HPL 375/115X | 375 | 115 | 8,060 | 3,000˚ | 1000 | 0.43
HPL 550/77* | 550 | 77 | 16,170 | 3,250˚ | 300 | 0.87
HPL 550/77X* | 550 | 77 | 12,160 | 3,050˚ | 2000 | 0.66
HPL 750/230 | 750 | 230 | 19,400 | 3,200˚ | 300 | 0.90
HPL 750/240 | 750 | 240 | 19,400 | 3,200˚ | 300 | 0.90
HPL 575/230 | 575 | 230 | 14,900 | 3,200˚ | 400 | 0.76
HPL 575/240 | 575 | 240 | 14,900 | 3,200˚ | 400 | 0.76
HPL 575/230X | 575 | 230 | 11,780 | 3,050˚ | 1500 | 0.61
HPL 575/240X | 575 | 240 | 11,780 | 3,050˚ | 1500 | 0.64
HPL 375/230X | 375 | 230 | 7,800 | 3,050˚ | 1000 | 0.38
HPL 375/240X | 375 | 240 | 7,800 | 3,050˚ | 1000 | 0.38

*77V lamps are intended for use with the ETC Dimmer Doubler™.

Warning: Use of lamps other than HPL will void UL/cUL safety approval and product warranty. Source Four PAR EA is rated for 750W maximum.

### Model Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>Fixture Weight*</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lbs</td>
<td>kgs</td>
</tr>
<tr>
<td>PAR EA</td>
<td>7.5</td>
<td>3.4</td>
</tr>
</tbody>
</table>

*Add 2.3 lbs for C-clamp