

236 SERIES • 12V • PAR36/AR111



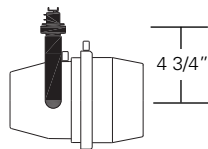
The clean architectural styling of this spotlight makes it a perfect fit for interior spaces where a visually quiet, high intensity light is needed.

- Patented snap-in socket accepts all screw terminal base PAR36 or AR111 lamps up to 75 watts. Patent #6,875,035 B1
- Can be ordered for use on 120V or 277V systems
- Sturdy aluminum housing
- Self-locking yoke for horizontal and vertical focusing
- On/off safety switch (on most mounting types)
 - Hinged front with beam rotation lock and relamping handle for easy lamp changing
 - Removable front hinge assembly allows fixture to be transformed from a spotlight to wall wash fixture in seconds
 - Internal accessory cartridge accepts up to three size-C LSI filters and accessories
 - Front rotation lock for alignment of directional accessories
 - Integral recessed transformer track fitting with 75VA 120V/11.6V electronic transformer
- Integral dimmer available
- Finishes: LSI Black, White, and Silver
- Fixture weight: 3.5 lbs.

MOUNTING OPTIONS

236-00E

Lexan Fitting for 1 and 2 circuit LSI Track. With On/Off switch.

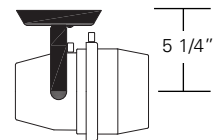


236-BSE

Lexan fitting for 1 and 2 circuit LSI Busway. With On/Off switch.

236-5E

Canopy for permanent mounting on standard 4" octagonal junction boxes.



Other Options (Consult Factory):

- Custom stems, specify length (4" – 48")
- Custom color, RAL palette
- Security/Worklight Fixture, add suffix **EF**.
For use with –EF00E (Track) and –EFBSE (Busway) mounting options only.

LOW VOLTAGE LAMPS • AR111

50AR111/4/SSP

50 watt, 3000 hrs
 Beam Spread to 50% of CBCP **4°**
 Center Beam Candlepower **50000**
 Color Temperature (Kelvin) **3000**

50AR111/8/SP

50 watt, 3000 hrs
 Beam Spread to 50% of CBCP **8°**
 Center Beam Candlepower **23000**
 Color Temperature (Kelvin) **3000**

50AR111/25/FL

50 watt, 3000 hrs
 Beam Spread to 50% of CBCP **25°**
 Center Beam Candlepower **4000**
 Color Temperature (Kelvin) **3000**

75AR111/8/SP

75 watt, 3000 hrs
 Beam Spread to 50% of CBCP **8°**
 Center Beam Candlepower **30000**
 Color Temperature (Kelvin) **3000**

75AR111/25/FL

75 watt, 3000 hrs
 Beam Spread to 50% of CBCP **25°**
 Center Beam Candlepower **5300**
 Color Temperature (Kelvin) **3000**

75AR111/45/WFL

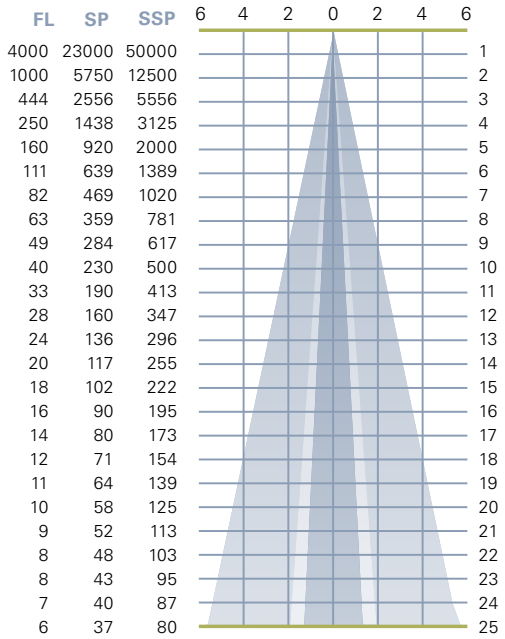
75 watt, 3000 hrs
 Beam Spread to 50% of CBCP **45°**
 Center Beam Candlepower **1700**
 Color Temperature (Kelvin) **3000**

Abbreviations used:

- CBCP = Center Beam Candlepower

All Distances in Feet

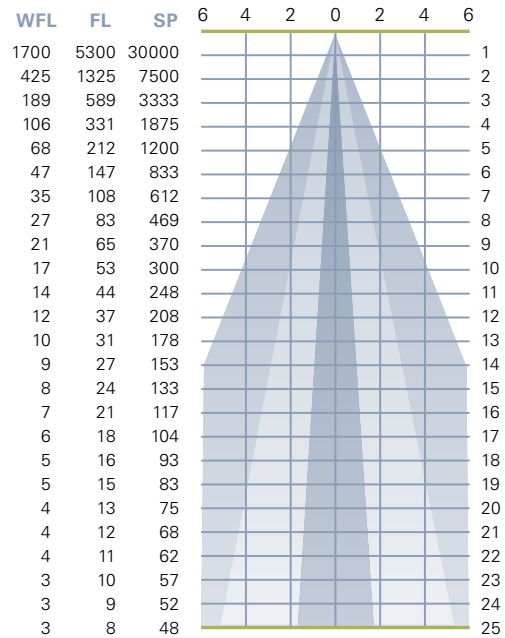
All Max. Footcandles at 0° Beam Axis



50AR111/4/SSP 4°

50AR111/8/SP 8°

50AR111/25/FL 25°



75AR111/8/SP 8°

75AR111/25/FL 25°

75AR111/45/WFL 45°

PAR36 • PHOTOMETRIC DATA

35PAR36/H/SP5

35 watt, 4000 hrs
 Beam Spread to 50% of CBCP **5°**
 Center Beam Candlepower **25000**
 Color Temperature (Kelvin) **3050**

35PAR36/H/SP8

35 watt, 4000 hrs
 Beam Spread to 50% of CBCP **8°**
 Center Beam Candlepower **20000**
 Color Temperature (Kelvin) **3050**

35PAR36/H/FL30

35 watt, 4000 hrs
 Beam Spread to 50% of CBCP **30°**
 Center Beam Candlepower **900**
 Color Temperature (Kelvin) **3050**

50PAR36/H/SP5

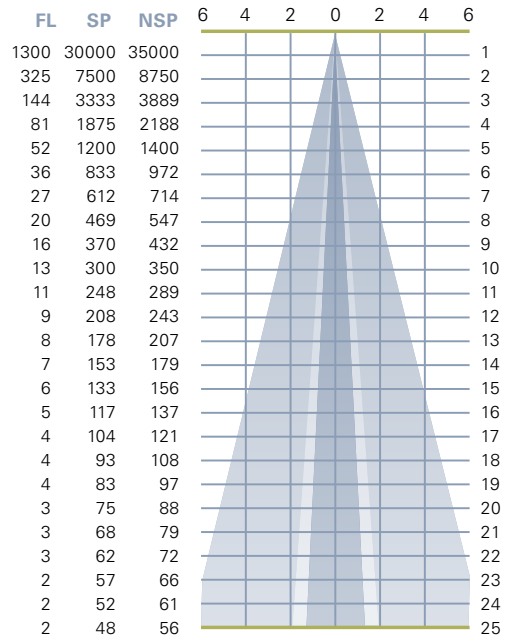
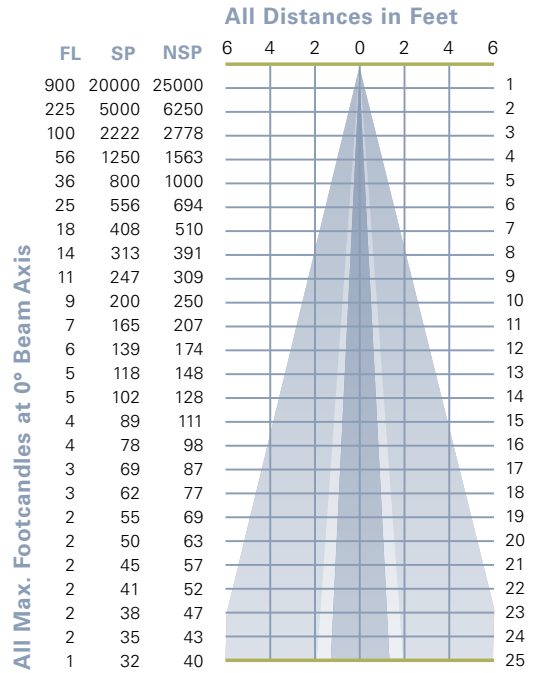
50 watt, 4000 hrs
 Beam Spread to 50% of CBCP **5°**
 Center Beam Candlepower **35000**
 Color Temperature (Kelvin) **3050**

50PAR36/H/SP8

50 watt, 4000 hrs
 Beam Spread to 50% of CBCP **8°**
 Center Beam Candlepower **30000**
 Color Temperature (Kelvin) **3050**

50PAR36/H/FL30

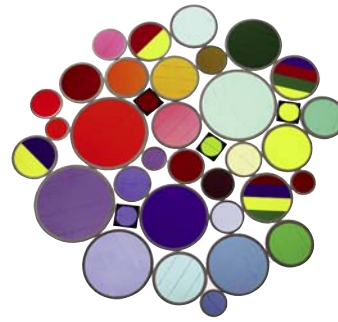
50 watt, 4000 hrs
 Beam Spread to 50% of CBCP **30°**
 Center Beam Candlepower **1300**
 Color Temperature (Kelvin) **3050**



LOW VOLTAGE • COLOR MEDIA

COLOR MEDIA

As the foremost innovator in accent lighting, LSI offers a complete range of permanent fade-free glass color filters, which are available in nine stock diameters. All glass color filters are rimmed in a seamless aluminum ring and are slotted for heat expansion. In addition, LSI has available a Color Filter Sample Kit, Light Blocking Screens, OPTIVEX™ Glass UV Filters and Special Lenses. All are described in detail below.



Size Diameter LSI Fixture Series

AAA	2 3/8"	216, 260, CX16, GR16, LN16
A	3 1/2"	LN36
C	4 3/4"	236, CX36

Special Glass Color Filters

LSI will fabricate, on special order, glass color filters in most sizes and shapes.

FS4 — Color Filter Samples

To facilitate selection of glass color filters, LSI supplies a complete set of labeled glass and dichroic samples in a handy carrying case.

Multicolor® Filters

Unique LSI four color glass filters create rich exciting blended color effects on all objects with brilliant four color fringed shadows on background.

No.	Glass Colors Used
760	910/930/944/921
761	910/930/921/944
762	944/921/910/930
763	944/930/910/921
764	921/944/910/930

Duocolor® Filters

LSI two color glass filters blend to form one unique color that previously could only be achieved by using two separate color filters in the same fixture. Two color fringed shadows produced on background.

No.	Glass Colors Used
770	910/944
771	910/921
772	910/930
773	944/933
774	921/930
775	930/933
776	910/948

Notes:

1. Values given are approximate due to slight variations in glass color and thickness.

No.	Color	% of Light Transmission
902	Medium Pink	36
903	Deep Pink	37
904	Flesh Pink	73
906	Pale Lavender	14
907	Surprise Pink	19
908	Lilac	21
910	Warm Red	10
911	Strawberry	6
912	Ruby	4
913	Magenta	1
914	Light Amethyst	25
915	Medium Amethyst	16
916	Deep Amethyst	4
917	Olive	18
918	Light Green	68
920	Medium Green	25
921	Deep Green	7
922	Silver green	65
923	Yellow Green	49
924	Emerald Green	12
925	Light Turquoise	68
926	Medium Turquoise	40
927	Deep Turquoise	17
928	Light Blue	34
930	Medium Blue	3
932	Daylight	59
933	Gene Moore Blue	18
936	Grey	56
937	Light Blue Green	17
939	Light Amber	68
940	Medium Amber	48
941	Deep Amber	43
942	Straw	78
943	Gold	87
944	Canary Yellow	84
945	Lemon	81
946	Pumpkin	32
947	Tangerine	20
948	Orange	23
949	Pink Gold	54
950	Bronze	48
951	Brass	11
952	Autumn Tan	11
953	Leaf Brown	19
954	Butter Pecan	3
955	Toasted Almond	1

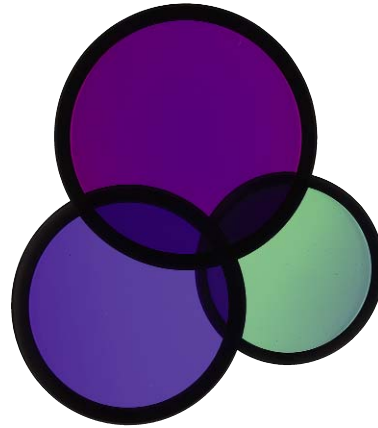
LOW VOLTAGE • COLOR MEDIA

DICHROIC COLOR FILTERS

In addition to our complete line of glass color filters, LSI now offers dichroic glass color filters that achieve purer, more saturated, richer color by selective wavelength transmission. Since these filters reflect rather than absorb the unwanted color wavelengths, a higher intensity of colored light can be obtained with fewer or lower wattage fixtures. In addition, this selective transmission allows for very accurate color matching from filter to filter.

All standard LSI filter sizes are available in a wide palette of well chosen dichroic colors that can be used with all LSI fixtures that accept accessories.

LSI dichroic glass color filters have the added benefit of being rimmed for extra durability to allow for frequent usage without fear of breakage or edge chipping.



Size	Diameter	LSI Fixture Series	Technical Data																																																																																																											
AAA	2 3/8"	216, 260, CX16, GR16, LN16	<p>Technical Data</p> <p>Dichroic color filters are created in a vacuum chamber by multi-layer vapor deposits of different minerals onto low expansion, chemically resistant Borosilicate glass.</p> <p>Deposits are made in alternating layers of varying microscopic thickness which allow very narrow color wavelengths to be selectively transmitted and all other wavelengths to be reflected.</p> <p>LSI does not recommend using dichroic color filters with lamps or fixtures that have beam spreads greater than 40° because a secondary color aura is created by the wide angular transmitted wavelengths that are different than the desired color wavelength.</p> <p>Since there is mainly transmission and reflection of the color wavelengths by the dichroic filter and very little absorption, the dichroic filter can be used with many high temperature lights that normally would not accept color filters.</p>	<table border="1"> <thead> <tr> <th>No.</th> <th>Color</th> <th>% of Light Transmission</th> </tr> </thead> <tbody> <tr><td>2001</td><td>Light Pink</td><td>69</td></tr> <tr><td>2002</td><td>Medium Pink</td><td>43</td></tr> <tr><td>2003</td><td>Hot Pink</td><td>11</td></tr> <tr><td>2004</td><td>Pale Pink</td><td>55</td></tr> <tr><td>2010</td><td>Deep Magenta</td><td>29</td></tr> <tr><td>2011</td><td>Lavender</td><td>24</td></tr> <tr><td>2012</td><td>Vivid Magenta</td><td>31</td></tr> <tr><td>2013</td><td>Lavender Accent</td><td>48</td></tr> <tr><td>2014</td><td>Lilac</td><td>37</td></tr> <tr><td>2015</td><td>Purple Fusion</td><td>12</td></tr> <tr><td>2020</td><td>Sky Blue</td><td>39</td></tr> <tr><td>2021</td><td>Sea Blue</td><td>39</td></tr> <tr><td>2022</td><td>Cyan</td><td>33</td></tr> <tr><td>2023</td><td>Light Blue Green</td><td>30</td></tr> <tr><td>2024</td><td>Primary Blue</td><td>24</td></tr> <tr><td>2025</td><td>Medium Red Blue</td><td>15</td></tr> <tr><td>2026</td><td>Deep Purple</td><td>16</td></tr> <tr><td>2027</td><td>Peacock Blue</td><td>53</td></tr> <tr><td>2028</td><td>Mediterranean Blue</td><td>20</td></tr> <tr><td>2029</td><td>Boost Blue</td><td>51</td></tr> <tr><td>2040</td><td>Light Yellow Green</td><td>64</td></tr> <tr><td>2041</td><td>Fern Green</td><td>47</td></tr> <tr><td>2042</td><td>Turquoise</td><td>35</td></tr> <tr><td>2043</td><td>Primary Green</td><td>31</td></tr> <tr><td>2044</td><td>Industrial Green</td><td>64</td></tr> <tr><td>2050</td><td>Yellow</td><td>80</td></tr> <tr><td>2051</td><td>Amber</td><td>71</td></tr> <tr><td>2052</td><td>Amber Blush</td><td>38</td></tr> <tr><td>2053</td><td>Bastard Amber</td><td>71</td></tr> <tr><td>2054</td><td>Goldenrod</td><td>63</td></tr> <tr><td>2055</td><td>Bright Straw</td><td>56</td></tr> <tr><td>2060</td><td>Medium Orange</td><td>51</td></tr> <tr><td>2061</td><td>Orange</td><td>44</td></tr> <tr><td>2070</td><td>Flame Red</td><td>27</td></tr> </tbody> </table>		No.	Color	% of Light Transmission	2001	Light Pink	69	2002	Medium Pink	43	2003	Hot Pink	11	2004	Pale Pink	55	2010	Deep Magenta	29	2011	Lavender	24	2012	Vivid Magenta	31	2013	Lavender Accent	48	2014	Lilac	37	2015	Purple Fusion	12	2020	Sky Blue	39	2021	Sea Blue	39	2022	Cyan	33	2023	Light Blue Green	30	2024	Primary Blue	24	2025	Medium Red Blue	15	2026	Deep Purple	16	2027	Peacock Blue	53	2028	Mediterranean Blue	20	2029	Boost Blue	51	2040	Light Yellow Green	64	2041	Fern Green	47	2042	Turquoise	35	2043	Primary Green	31	2044	Industrial Green	64	2050	Yellow	80	2051	Amber	71	2052	Amber Blush	38	2053	Bastard Amber	71	2054	Goldenrod	63	2055	Bright Straw	56	2060	Medium Orange	51	2061	Orange	44	2070	Flame Red	27
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