

SUN3 LED UPLIGHT OR STEP LIGHT COMPONENTS - INDOOR/OUTDOOR

REV.03.03.17



SUN3-HDL_RD-WW-SA



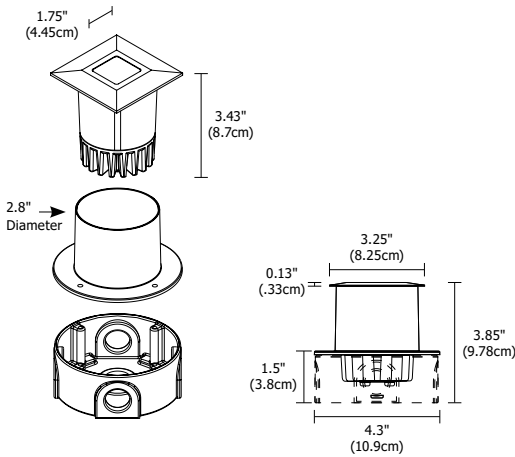
SUN3-HDL_SQ-WW-SA



SUN3-JC

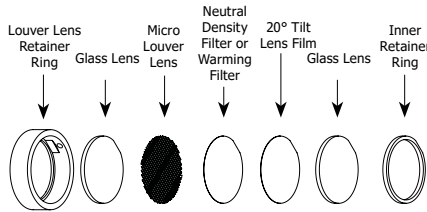


SC-WO



Wet Location Round Junction Box Supplied By Electrician

Indoor Octagon Junction Box Supplied By Electrician



STEP LIGHT KIT SUN3-LL

| LED lighting facts | |
|---|-------------------|
| A Program of the U.S. DOE | |
| Light Output (Lumens) | 281 |
| Watts | 6.576 |
| Lumens per Watt (Efficacy) | 42 |
| Color Accuracy (Color Rendering Index (CRI)) | 80 |
| Light Color (Correlated Color Temperature (CCT)) | 2968 (Warm White) |
| | |
| <small>All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results. Visit www.lightingfacts.com for the Label Reference Guide.</small> | |
| <small>Registration Number: EALA-V0602E (Revised 4/9/2011) Model Number: Sun3 upgrd 04/2011 Type: Outdoor path/landscape light</small> | |

Lighting Facts Label reflects test data for Sun3 with 16 degree lens (L1). See Lamp Specification section above for additional details.

Description:

The 3 inch recessed round or square SUN3 LED has a 6.5 watt, high powered warm white LED and features a 16, 23, 36 or 47 degree precise focus, tempered glass lens with marine-grade aluminum beveled edge trim. The fixture is rated for outdoor/ocean front environments using a wet location electrical box or indoor using a standard octagon electrical box. The trim accepts dichroic color filters which are used with SUN3-LL(H). Remote Transfer (Required), junction box cover, and wood spring clips, are sold separately. Fixture includes 5 year warranty.

Finish: Satin Aluminum **Weight:** 1.8 lb (.82 kg)

Lamp Specification:

70% lumen maintenance based on 50,000 hours of operation.
LED 6.5W Warm white, 2968K, 80 CRI

At 16 degrees, 42 lumens per watt/281 total lumens

| LENS/ BEAM SPREAD | INPUT VOLTS | WATTS | CBCP | RATED LIFE | COLOR TEMP(K) | CRI |
|-------------------|-------------|-------|-------|------------|---------------|-----|
| L1 = 16 Degree | 12VAC | 6.5 | 2,537 | 50,000 | 2,968 | 80 |
| L2 = 23 Degree | 12VAC | 6.5 | 1,520 | 50,000 | 2,968 | 80 |
| L3 = 36 Degree | 12VAC | 6.5 | 713 | 50,000 | 2,968 | 80 |
| L4 = 47 Degree | 12VAC | 6.5 | 482 | 50,000 | 2,968 | 80 |

Transformer:

Electronic TE-60L-12; Magnetic T-150-12, T-300-12

Dimming:

Dimmable with electronic low voltage dimmer using TE-60L-12 (sold separately). Lutron dimmers recommended: Dims to 9% with Diva #DVELV-300P; 21% with Skylark #SELV-300P; 31% with Maestro #MAELV-600.

Dimmable with magnetic low voltage dimmer using T-150-12 (sold separately). Lutron dimmers recommended: Dims to 16% with Diva #DVLV-600P; 39% with Skylark #SLV-600P

| System | Head/Lens | Description | Color Temperature | Finish |
|-------------|--|-----------------------|-------------------|-------------------|
| SUN3 | HDL1 | RD | WW | SA |
| SUN3 Sun3 | HDL1 16 Degree Lens HDL2 23 Degree Lens HDL3 36 Degree Lens HDL4 47 Degree Lens | RD Round SQ Square | WW Warm White | SA Satin Aluminum |

| System | Description | System | Type |
|-------------|---|----------------|-----------|
| SUN3 | JC | SC | WO |
| SUN3 Sun3 | JC Junction Cover LL 2" Louver with 20° Beam Tilt Lens, Neutral Density Filter, Warming Filter, Louver Lens Holder | SC Spring Clip | WO Wood |

PROJECT:

FIXTURE TYPE:

DATE:



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| LENS/ BEAM SPREAD | INPUT VOLTS | WATTS | CBCP | RATED LIFE | COLOR TEMP(K) | CRI |
|----------------------|----------------|-------|-------|---------------|------------------|-----|
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| SUN3 16 DEGREE | <p>Beam Angle 16°</p> <table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>DIA</th> </tr> </thead> <tbody> <tr><td>2'</td><td>775</td><td>7"</td></tr> <tr><td>3'</td><td>346</td><td>10"</td></tr> <tr><td>4'</td><td>194</td><td>14"</td></tr> <tr><td>6'</td><td>86</td><td>20"</td></tr> <tr><td>8'</td><td>49</td><td>27"</td></tr> <tr><td>10'</td><td>32</td><td>34"</td></tr> </tbody> </table> | D | FC | DIA | 2' | 775 | 7" | 3' | 346 | 10" | 4' | 194 | 14" | 6' | 86 | 20" | 8' | 49 | 27" | 10' | 32 | 34" | SUN3 23 DEGREE | <p>Beam Angle 23°</p> <table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>DIA</th> </tr> </thead> <tbody> <tr><td>2'</td><td>404</td><td>10"</td></tr> <tr><td>3'</td><td>180</td><td>15"</td></tr> <tr><td>4'</td><td>101</td><td>20"</td></tr> <tr><td>6'</td><td>45</td><td>29"</td></tr> <tr><td>8'</td><td>25</td><td>39"</td></tr> <tr><td>10'</td><td>16</td><td>49"</td></tr> </tbody> </table> | D | FC | DIA | 2' | 404 | 10" | 3' | 180 | 15" | 4' | 101 | 20" | 6' | 45 | 29" | 8' | 25 | 39" | 10' | 16 | 49" |
|-----------------------|---|------|----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|----|-----|----|----|-----|-----|----|-----|-----------------------|--|---|----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|----|-----|----|----|-----|-----|----|------|
| D | FC | DIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2' | 775 | 7" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3' | 346 | 10" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4' | 194 | 14" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6' | 86 | 20" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8' | 49 | 27" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10' | 32 | 34" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | FC | DIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2' | 404 | 10" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3' | 180 | 15" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4' | 101 | 20" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6' | 45 | 29" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8' | 25 | 39" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10' | 16 | 49" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN3 36 DEGREE | <p>Beam Angle 36°</p> <table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>DIA</th> </tr> </thead> <tbody> <tr><td>2'</td><td>184</td><td>16"</td></tr> <tr><td>3'</td><td>82</td><td>23"</td></tr> <tr><td>4'</td><td>46</td><td>31"</td></tr> <tr><td>6'</td><td>20</td><td>47"</td></tr> <tr><td>8'</td><td>12</td><td>62"</td></tr> <tr><td>10'</td><td>7</td><td>78"</td></tr> </tbody> </table> | D | FC | DIA | 2' | 184 | 16" | 3' | 82 | 23" | 4' | 46 | 31" | 6' | 20 | 47" | 8' | 12 | 62" | 10' | 7 | 78" | SUN3 47 DEGREE | <p>Beam Angle 47°</p> <table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>DIA</th> </tr> </thead> <tbody> <tr><td>2'</td><td>96</td><td>21"</td></tr> <tr><td>3'</td><td>43</td><td>31"</td></tr> <tr><td>4'</td><td>24</td><td>42"</td></tr> <tr><td>6'</td><td>11</td><td>63"</td></tr> <tr><td>8'</td><td>6</td><td>84"</td></tr> <tr><td>10'</td><td>4</td><td>104"</td></tr> </tbody> </table> | D | FC | DIA | 2' | 96 | 21" | 3' | 43 | 31" | 4' | 24 | 42" | 6' | 11 | 63" | 8' | 6 | 84" | 10' | 4 | 104" |
| D | FC | DIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2' | 184 | 16" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3' | 82 | 23" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4' | 46 | 31" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6' | 20 | 47" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8' | 12 | 62" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10' | 7 | 78" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | FC | DIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2' | 96 | 21" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3' | 43 | 31" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4' | 24 | 42" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6' | 11 | 63" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8' | 6 | 84" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10' | 4 | 104" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Wall Mounting | | Step Mounting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------|-------|----|-------|----|-----|-----|----|-----|-----|-----|------|-----|----|----|----|-----|---|-----|-----|-----|---|-----|-----|-----|-----|-----|-------|---|--|--------|----|-------|----|-----|----|----|-----|-------|----|-----|-------|-----|----|-------|
| SUN3 with LF2-20D and Micro Louver | <p>w/opposite wall white</p> <table border="1"> <thead> <tr> <th>LENGTH</th> <th>FC</th> <th>FC</th> <th>WIDTH</th> </tr> </thead> <tbody> <tr><td>3"</td><td>370</td><td>369</td><td>2"</td></tr> <tr><td>12"</td><td>194</td><td>192</td><td>3.5"</td></tr> <tr><td>21"</td><td>12</td><td>12</td><td>7"</td></tr> <tr><td>30"</td><td>3</td><td>2.6</td><td>13"</td></tr> <tr><td>39"</td><td>2</td><td>0.9</td><td>14"</td></tr> <tr><td>48"</td><td>5.7</td><td>0.7</td><td>18.5"</td></tr> </tbody> </table> <p>SUN3-HDL1 with LF2-20D and Micro Louver</p> | LENGTH | FC | FC | WIDTH | 3" | 370 | 369 | 2" | 12" | 194 | 192 | 3.5" | 21" | 12 | 12 | 7" | 30" | 3 | 2.6 | 13" | 39" | 2 | 0.9 | 14" | 48" | 5.7 | 0.7 | 18.5" | SUN3 with LF2-20D, LF2-LS and Micro Louver | <p>w/opposite wall black</p> <table border="1"> <thead> <tr> <th>LENGTH</th> <th>FC</th> <th>WIDTH</th> </tr> </thead> <tbody> <tr><td>3"</td><td>159</td><td>8"</td></tr> <tr><td>6"</td><td>182</td><td>11.5"</td></tr> <tr><td>9"</td><td>116</td><td>11.5"</td></tr> <tr><td>12"</td><td>49</td><td>12.3"</td></tr> </tbody> </table> <p>SUN3-HDL1 with LF2-20D, LF2-LS and Micro Louver</p> | LENGTH | FC | WIDTH | 3" | 159 | 8" | 6" | 182 | 11.5" | 9" | 116 | 11.5" | 12" | 49 | 12.3" |
| LENGTH | FC | FC | WIDTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3" | 370 | 369 | 2" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12" | 194 | 192 | 3.5" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21" | 12 | 12 | 7" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30" | 3 | 2.6 | 13" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39" | 2 | 0.9 | 14" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48" | 5.7 | 0.7 | 18.5" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LENGTH | FC | WIDTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3" | 159 | 8" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6" | 182 | 11.5" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9" | 116 | 11.5" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12" | 49 | 12.3" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PROJECT:

FIXTURE
TYPE:

DATE:

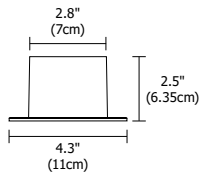




Junction Cover

Use indoor with standard octagon electrical box or use outdoor with wet location electrical box.

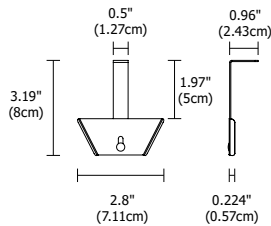
| System | Description |
|-------------|-------------------|
| SUN3 | JC |
| SUN3 Sun3 | JC Junction Cover |



Spring Clip

Use the Spring Clip to recess Sun3 into outdoor wood steps, decks, etc. without junction box.

| System | Type |
|----------------|-----------|
| SC | WO |
| SC Spring Clip | WO Wood |



PROJECT:

FIXTURE
TYPE:

DATE:



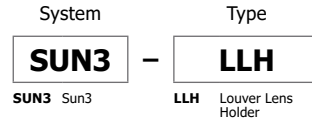
OPTICAL ACCESSORIES FOR SUN3 LOUVER LENS HOLDER

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Sun3 Louver Lens Holder

Louver Lens Holders secure onto front of the lamp holding up two lenses or combination of a hexcell louver and lens. Required for securing louvers, lenses and filters in the Sun3.



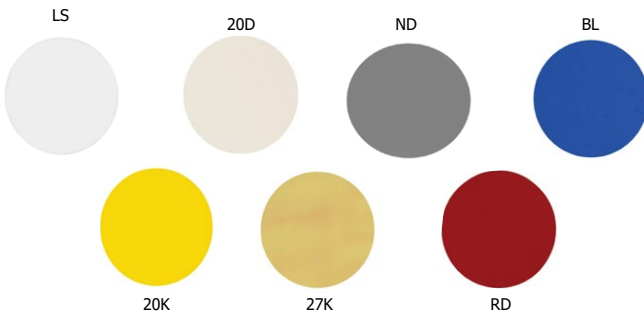
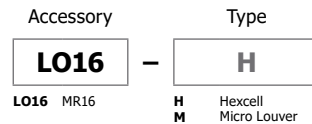
Hexcell Louver



Micro Louver

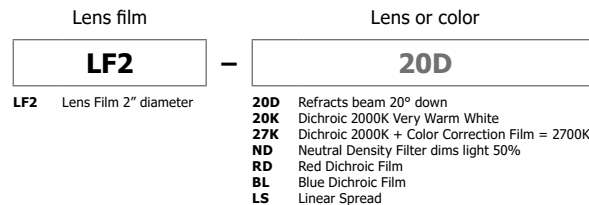
Hexcell and Micro Louver

The Hexcell Louver eliminates glare from the light beam. The Micro Louver used in step lighting requires both the louver lens holder #SUN3-LLH and the 20 degree filter #LF2-20D.



Film Lenses and Filters

Add film lenses and filters to shape beam, change color or adjust color temperatures. Louver lens holder #SUN3-LLH required.

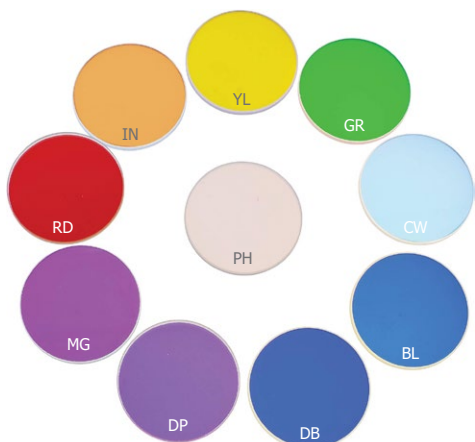


PROJECT:

FIXTURE
TYPE:

DATE:

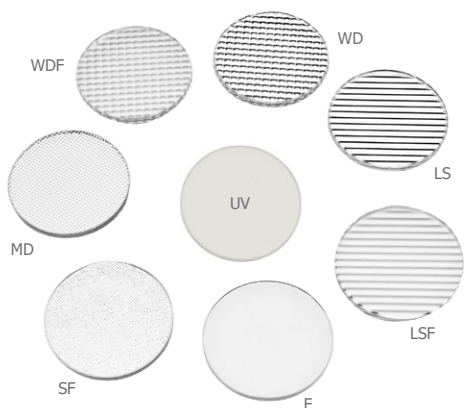




Dichroic Glass Lens

Dichroic lenses operate on a passive-reflective basis, reflecting unused wavelengths while passing wanted portions of spectrum. Dichroics are high in transmission, producing brighter, cleaner, saturated colors. Louver lens holder #SUN3-LLH not required.

| Accessory Lens | Dichroic Color | | | | | | | | | | | | | | |
|------------------------------------|---|---------------|---------------------|------------------|---------------------|-----------------|-------------------------------------|----------------|--|-----------------|--|-------------------|--|------------------------------------|--|
| L16 | RD | | | | | | | | | | | | | | |
| L16 MR16 | <table border="0"> <tr> <td>RD Red</td> <td>DB Dark Blue</td> </tr> <tr> <td>YL Yellow</td> <td>DP Dark Pink</td> </tr> <tr> <td>GR Green</td> <td>IN Incandescent (3100-2700K)</td> </tr> <tr> <td>BL Blue</td> <td></td> </tr> <tr> <td>PH Peach</td> <td></td> </tr> <tr> <td>MG Magenta</td> <td></td> </tr> <tr> <td>CW Cool White (3100K-4250K)</td> <td></td> </tr> </table> | RD Red | DB Dark Blue | YL Yellow | DP Dark Pink | GR Green | IN Incandescent (3100-2700K) | BL Blue | | PH Peach | | MG Magenta | | CW Cool White (3100K-4250K) | |
| RD Red | DB Dark Blue | | | | | | | | | | | | | | |
| YL Yellow | DP Dark Pink | | | | | | | | | | | | | | |
| GR Green | IN Incandescent (3100-2700K) | | | | | | | | | | | | | | |
| BL Blue | | | | | | | | | | | | | | | |
| PH Peach | | | | | | | | | | | | | | | |
| MG Magenta | | | | | | | | | | | | | | | |
| CW Cool White (3100K-4250K) | | | | | | | | | | | | | | | |



Optical Lens

The soft focus lens reduces lamp glare, spread lenses elongate and diffuser lenses diffuse the light beam. UV filter lens allows quality light to pass through while blocking the ultra violet radiation. Louver lens holder #SUN3-LLH not required.

| Accessory Lens | Optical Type | | | | | | | | |
|--------------------------------|--|----------------|----------------------|---------------------------|-------------------------|--------------------------------|-------------------------|--------------------------------|--------------------|
| L16 | F | | | | | | | | |
| L16 MR16 | <table border="0"> <tr> <td>F Frost</td> </tr> <tr> <td>SF Soft Focus</td> </tr> <tr> <td>MD Medium Diffuser</td> </tr> <tr> <td>WD Wide Diffuser</td> </tr> <tr> <td>WDF Wide Diffuser Frost</td> </tr> <tr> <td>LS Linear Spread</td> </tr> <tr> <td>LSF Linear Spread Frost</td> </tr> <tr> <td>UV UV Glass</td> </tr> </table> | F Frost | SF Soft Focus | MD Medium Diffuser | WD Wide Diffuser | WDF Wide Diffuser Frost | LS Linear Spread | LSF Linear Spread Frost | UV UV Glass |
| F Frost | | | | | | | | | |
| SF Soft Focus | | | | | | | | | |
| MD Medium Diffuser | | | | | | | | | |
| WD Wide Diffuser | | | | | | | | | |
| WDF Wide Diffuser Frost | | | | | | | | | |
| LS Linear Spread | | | | | | | | | |
| LSF Linear Spread Frost | | | | | | | | | |
| UV UV Glass | | | | | | | | | |



Low Voltage Feed Wire Size Chart

Use to decide the correct copper wire size for a recommended 3 percent voltage drop. The length shown is the length of wire from the transformer to the power feed canopy/J-Box.

| 12 VOLT | 5 ft. | 6-15 ft. | 16-20 ft. | 21-40 ft. |
|----------|--------|----------|-----------|-----------|
| 150 watt | #12 GA | #10 GA | #8 GA | #6 GA |
| 300 watt | #10 GA | #8 GA | #6 GA | #4 GA |

Description:

The 150 or 300 watt 12 volt magnetic remote mount transformers convert line voltage into 12 volt power and are protected by fast-acting circuit breakers. All 12 volt remote magnetic transformers are LED compatible with 12 volt AC LEDs.

Power Input:

| T-150-12 | T-300-12 |
|----------------------|---------------------|
| 120 volt AC 1.25 Amp | 120 volt AC 2.5 Amp |
| 230 volt AC 0.65 Amp | 230 volt AC 1.3 Amp |
| 277 volt AC 0.54 Amp | 277 volt AC 1.1 Amp |

Power Output:

| | |
|----------|------------------------------|
| T-150-12 | 12 volt AC 150 watt 12.5 Amp |
| T-300-12 | 12 volt AC 300 watt 25 Amp |

Installation:

Remote magnetic transformers must be installed in an accessible location, such as an attic or in a closet, up to 20 feet from the power feed canopy. Outdoor version available.

Dimming:

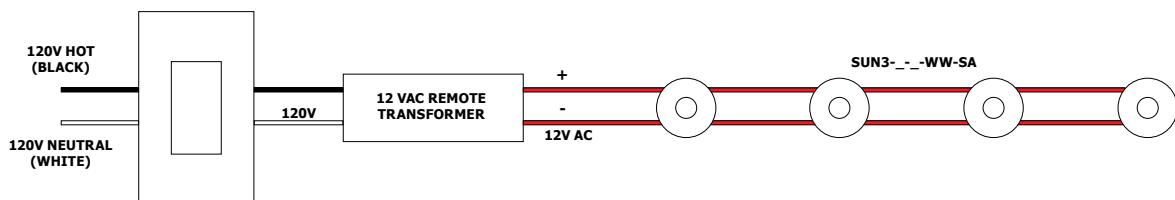
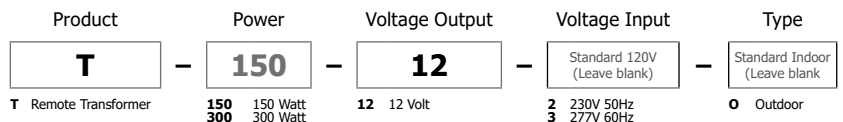
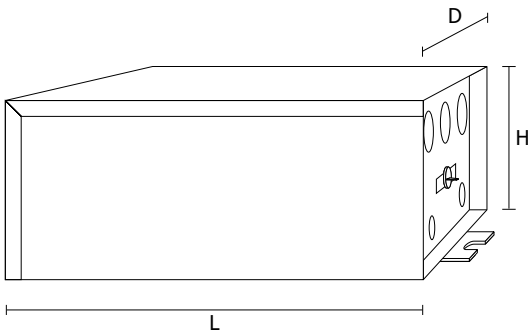
Dims with Lutron Skylark or Diva magnetic low voltage dimmer. Compatible magnetic dimmers are connected on the line voltage side of transformers. Some buzzing may occur at low levels and may be reduced with a de-buzzing coil. Visit www.edgelighting.com for up-to-date LED dimming information.

Dimensions:

8.75"(L) x 4.4"(D) x 3.8"(H)
(22.2cm x 11.2cm x 9.7cm)

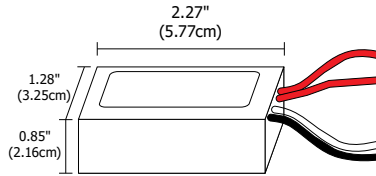
Weight:

8.41 lb (3.81 kg)



The TE-150-12 Magnetic Transformer can power maximum of 12 Sun 3 fixtures
The TE-300-12 Magnetic Transformer can power maximum of 24 Sun 3 fixtures

REV.03.03.17



Description:

The compact, lightweight remote electronic 60W/12V LED Transformer converts standard 120 volt line voltage to 12 volts and features built-in short-circuit protection. In the event of a short or overload, reset transformer at wall switch once short or overload is corrected. The single-feed transformer is both 12 volt AC LED and halogen compatible; it fits inside a 4" electrical box behind a power feed canopy.

Dimming:

Dims with Lutron Skylark or Diva electronic low voltage dimmer

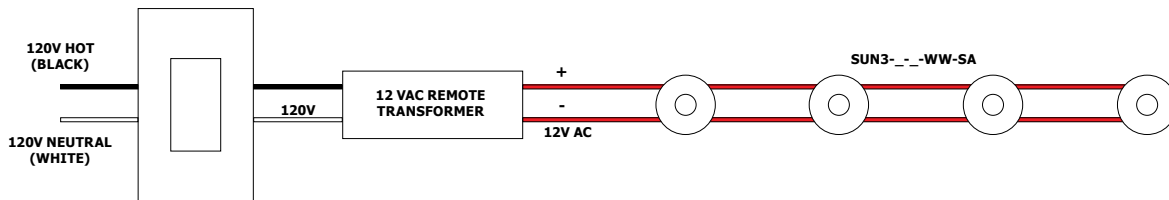
Mounting Requirements:

Must be in accessible location or inside an electrical box

Weight:

0.8 lb (.36 kg)

| Product | Type | Voltage Output |
|--|--|---------------------------|
| TE | 60L | 12 |
| <small>TE Transformer Electronic</small> | <small>150 60 Watt LED and halogen 300</small> | <small>12 12 Volt</small> |



The TE-60L-12 electronic LED Transformer can power maximum of 4 Sun 3 fixtures.

PROJECT:

FIXTURE
TYPE:

DATE:

