

CIRRUS SUSPENSION R1

RECTANGULAR R1 WITH POWER, CENTER FEED

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 04.30.20



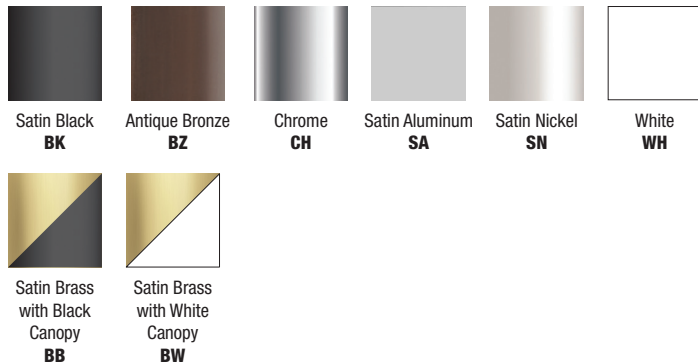
DESCRIPTION

Cirrus Power Suspension R1 is a linear LED fixture that offers direct light in a clean, contemporary style. Cirrus is available in various increments from 36"-120" (10'), with a 140° White Diffused R1 Rectangular Lens, a variety of finishes, Warm Dim options, and an optional Fast Jack 12V Port (C1) for mounting Fast Jack 12V fixtures. Fixture includes a 5 year pro-rated warranty. For custom designs and quotes, send drawings to design@PureEdgeLighting.com.

INSTALLATION

- Includes Canopy with 120V/24VDC Uni-Drivers
- A 12" Rectangle Canopy used for sizes 36"-96", 26" Rectangle is used for sizes 99"-120"
- Optional Fast Jack 12V Port (C1) for mounting Fast Jack 12V fixtures
- Includes adjustable 12' Coaxial Cables (additional Aircraft Cables included for support when fixture exceeds 72")

FINISHES



LENSES

Diffused White R1 Rectangular Lens, 140° Beam Spread

APPLICATIONS

Designed for indoor use only. Ideal applications in Residential, Commercial, Retail and Hospitality environments.

LAMPING

- Choose from 9 different Color Temperatures from 2200K-5700K including Warm Dim
- Warm Dim (optional): 2700K-2000K (27D) or 3000K-2000K (30D)
- 50,000 Hour Lamp Life

POWER SUPPLY (INCLUDED IN CANOPY)

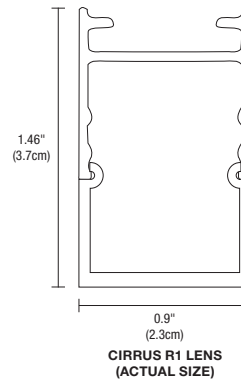
- 120V/24V Universal power supply
- Power: 120V/24V Uni-Drivers
- Optional C1 Fast Jack Port input 120V, output 12VAC electronic low voltage power supply

DIMMER (SOLD SEPARATELY)

- ELV (Electronic Low Voltage)
- Triac (Magnetic)
- 0-10V

APPROVALS

- Class 2 Wiring up to 100 watts, Damp Location Suitable, ETL listed. Title 24, Made in America.



| System | Wattage Per Foot | Canopy | Nominal Size (Inches) | Color Temperature | Finish |
|---|---|---|---|--|--|
| CSR1P | 2W | C | 120 | 22K | SN |
| CSR1P Cirrus Suspension Rectangular 1 Lens, with Power | 2W 2.5 Watts 5W 4.4 Watts 7W 7.3 Watts 10W 9.6 Watts | C Center Feed C1 Center Feed with Fast Jack Port | 36-120 Order in various increments from 36"-120" (Maximum shipping length). Maximum shipping length for Chrome is 84". *See length chart for exact dimensions | 22K 2200K Amber White 24K 2400K Very Warm White 27K 2700K Incandescent White 27D 2700K Warm Dim (5W only) 30K 3000K Warm White 30D 3000K Warm Dim (5W only) 35K 3500K Neutral White 40K 4000K Cool White 57K 5700K Daylight White | BK Satin Black BZ Antique Bronze CH Chrome SA Satin Aluminum SN Satin Nickel WH White BB Satin Brass with Black Canopy BW Satin Brass with White Canopy |

| | | |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|

CIRRUS SUSPENSION R1

RECTANGULAR R1 WITH POWER, CENTER FEED

LAMP DATA Lamp Data for Cirrus Suspension R1

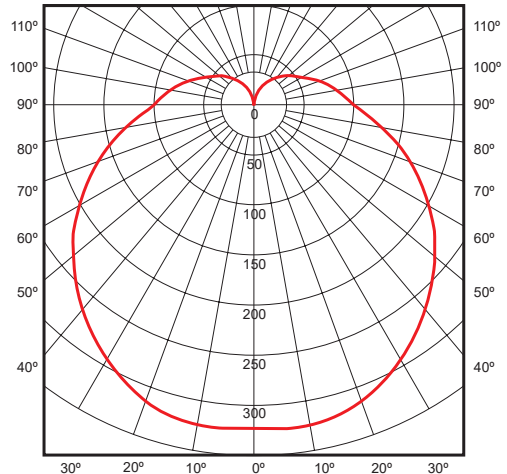
| CSR1P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|----------------|-----|-----|-----|-----|-----|-----|-----|----------------|-----|------|-----|------|-----|-----|-----|----------------|-----|-----|-----|-----|-----|-----|-----|-----------------|-----|-----|-----|-----|-----|--|--|
| DIFFUSED RECTANGULAR 1 LENS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | 2W (2.5 watts) | | | | | | | | 5W (4.4 watts) | | | | | | | | 7W (7.3 watts) | | | | | | | | 10W (9.6 watts) | | | | | | | |
| WATTS PER FOOT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COLOR TEMPERATURE | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 22K | 24K | 27K | 27D* | 30K | 27D* | 35K | 40K | 57K | 22K | 24K | 27K | 30K | 35K | 40K | 57K | 22K | 24K | 27K | 30K | 35K | 40K | 57K | | |
| LUMENS PER FOOT (lm/ft) | 136.5 | 143 | 150 | 164 | 187 | 204 | 217 | 265 | 278 | 291 | 329 | 318 | 359 | 364 | 396 | 422 | 420.5 | 441 | 462 | 505 | 579 | 629 | 670 | 497 | 521.5 | 546 | 597 | 683 | 743 | 791 | | |
| LUMENS PER WATT (lm/w) | 54.5 | 57 | 60 | 65 | 75 | 81 | 87 | 60 | 63 | 66 | 75 | 72 | 82 | 83 | 90 | 96 | 57.5 | 60 | 63 | 69 | 79 | 86 | 92 | 52 | 54.5 | 57 | 62 | 71 | 77 | 82 | | |
| CRI | 85+ | 90+ | 95+ | 95+ | 85+ | 84 | 84 | 85+ | 90+ | 95+ | 95+ | 95+ | 85+ | 84 | 84 | 85+ | 90+ | 95+ | 95+ | 85+ | 84 | 84 | 85+ | 90+ | 95+ | 95+ | 85+ | 84 | 84 | | | |

*27D, 30D - Warm Dim (4.8 Watts)

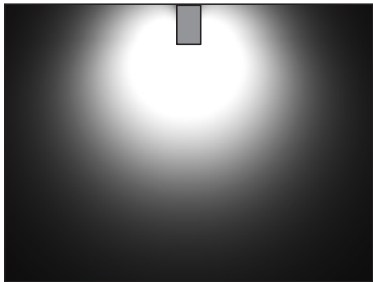
8', 140° AT 3000K

| 2 Watt 140° | | 5 Watt 140° | | 7 Watt 140° | | 10 Watt 140° | |
|-------------|--------------|-------------|--------------|-------------|--------------|--------------|--------------|
| Distance | Foot Candles | Distance | Foot Candles | Distance | Foot Candles | Distance | Foot Candles |
| 1' | 69 | 1' | 111 | 1' | 180 | 1' | 191 |
| 1.5' | 46 | 1.5' | 75 | 1.5' | 120 | 1.5' | 127 |
| 2' | 35 | 2' | 56 | 2' | 90 | 2' | 95 |
| 3' | 23 | 3' | 37 | 3' | 60 | 3' | 62 |
| 4' | 16 | 4' | 27 | 4' | 43 | 4' | 45 |
| 5' | 12 | 5' | 20 | 5' | 33 | 5' | 34 |
| 6' | 10 | 6' | 16 | 6' | 26 | 6' | 27 |
| 7' | 8 | 7' | 13 | 7' | 21 | 7' | 21 |
| 8' | 7 | 8' | 11 | 8' | 18 | 8' | 19 |

CANDLE POWER DISTRIBUTION



140° BEAM SPREAD



DIFFUSED WHITE LENS



C1 CANOPY, SHOWN WITH FJ PISTON IN SATIN NICKEL (FJ PISTON SOLD SEPARATELY)

| | | | | | |
|---------|--|--------------|--|------|--|
| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|

CIRRUS SUSPENSION R1

RECTANGULAR R1 WITH POWER, CENTER FEED

LENGTH CHART Actual lengths for Cirrus Suspension R1

| 22K, 24K, 27K, 30K, 35K, 40K, 57K | | |
|-----------------------------------|------------------------|------------------------|
| Ordering Code (Nominal Size) | Actual Length (Inches) | Actual Length (Chrome) |
| 36 | 37.0 | 37.0 |
| 39 | 39.4 | 39.4 |
| 41 | 41.8 | 41.8 |
| 44 | 44.2 | 44.2 |
| 46 | 46.6 | 46.6 |
| 48 | 49.0 | 49.0 |
| 51 | 51.4 | 51.4 |
| 53 | 53.8 | 53.8 |
| 56 | 56.2 | 56.2 |
| 58 | 58.6 | 58.6 |
| 60 | 61.0 | 61.0 |
| 63 | 63.4 | 63.4 |
| 65 | 65.8 | 65.8 |
| 68 | 68.2 | 68.2 |
| 70 | 70.6 | 70.6 |
| 72 | 73.0 | 73.0 |
| 75 | 75.4 | 75.4 |
| 77 | 77.8 | 77.8 |
| 80 | 80.2 | 80.2 |
| 82 | 82.6 | 82.6 |
| 84 | 85.0 | 85.0 |
| 87 | 87.4 | |
| 89 | 89.8 | |
| 92 | 92.2 | |
| 94 | 94.6 | |
| 96 | 97.0 | |
| 99 | 99.4 | |
| 101 | 101.8 | |
| 104 | 104.2 | |
| 106 | 106.6 | |
| 108 | 109.0 | |
| 111 | 111.4 | |
| 113 | 113.8 | |
| 116 | 116.2 | |
| 118 | 118.6 | |
| 120 | 121.0 | |

| 27D & 30D | | |
|------------------------------|------------------------|------------------------|
| Ordering Code (Nominal Size) | Actual Length (Inches) | Actual Length (Chrome) |
| 36 | 37 | 37 |
| 39 | 40 | 40 |
| 42 | 43 | 43 |
| 45 | 46 | 46 |
| 48 | 49 | 49 |
| 51 | 52 | 52 |
| 54 | 55 | 55 |
| 57 | 58 | 58 |
| 60 | 61 | 61 |
| 63 | 64 | 64 |
| 66 | 67 | 67 |
| 69 | 70 | 70 |
| 72 | 73 | 73 |
| 75 | 76 | 76 |
| 78 | 79 | 79 |
| 81 | 82 | 82 |
| 84 | 85 | 85 |
| 87 | 88 | |
| 90 | 91 | |
| 93 | 94 | |
| 96 | 97 | |
| 99 | 100 | |
| 102 | 103 | |
| 105 | 106 | |
| 108 | 109 | |
| 111 | 112 | |
| 114 | 115 | |
| 117 | 118 | |
| 120 | 121 | |

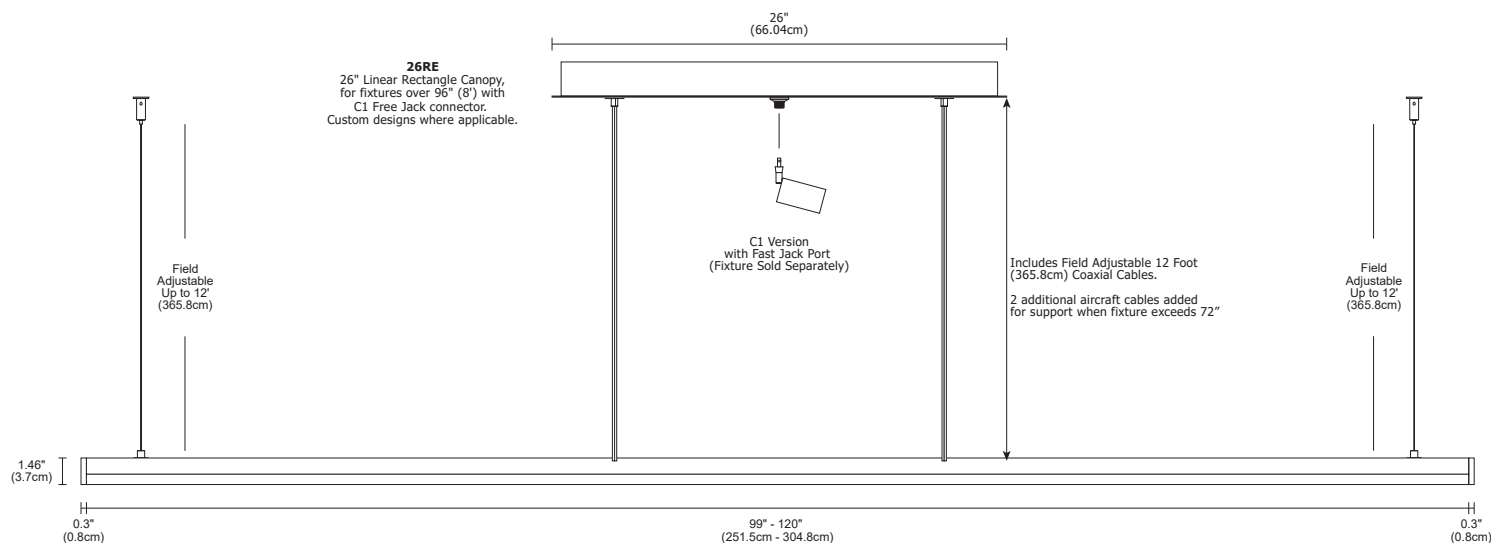
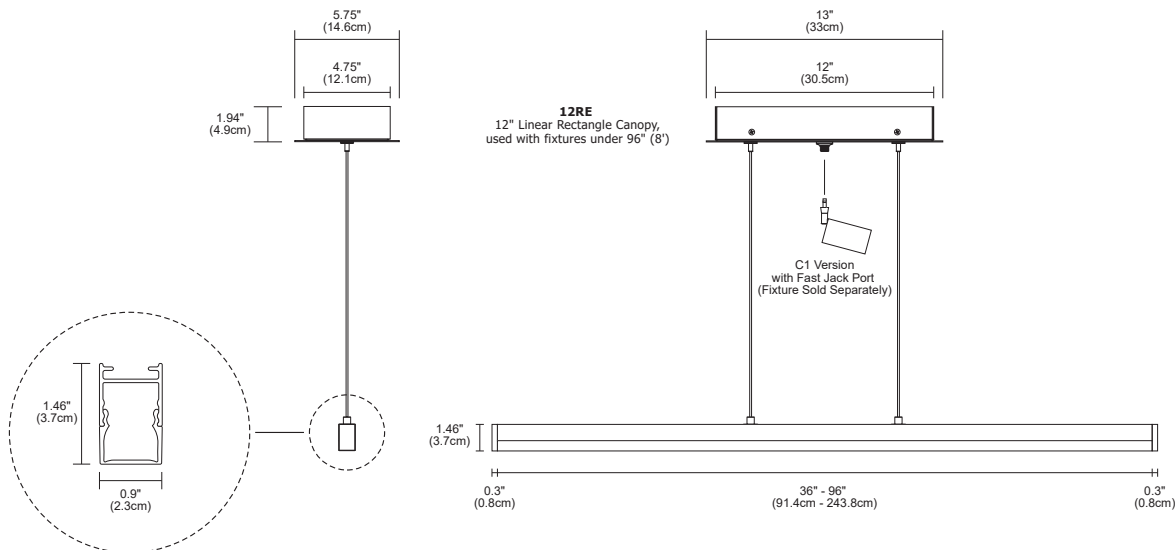
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|---------|--|--------------|--|------|--|
| PROJECT | | FIXTURE TYPE | | DATE | |
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CIRRUS SUSPENSION R1

RECTANGULAR R1 WITH POWER, CENTER FEED

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DRAWINGS Dimension drawings for Cirrus Suspension R1



Additional aircraft cables will be used for fixtures over 72"

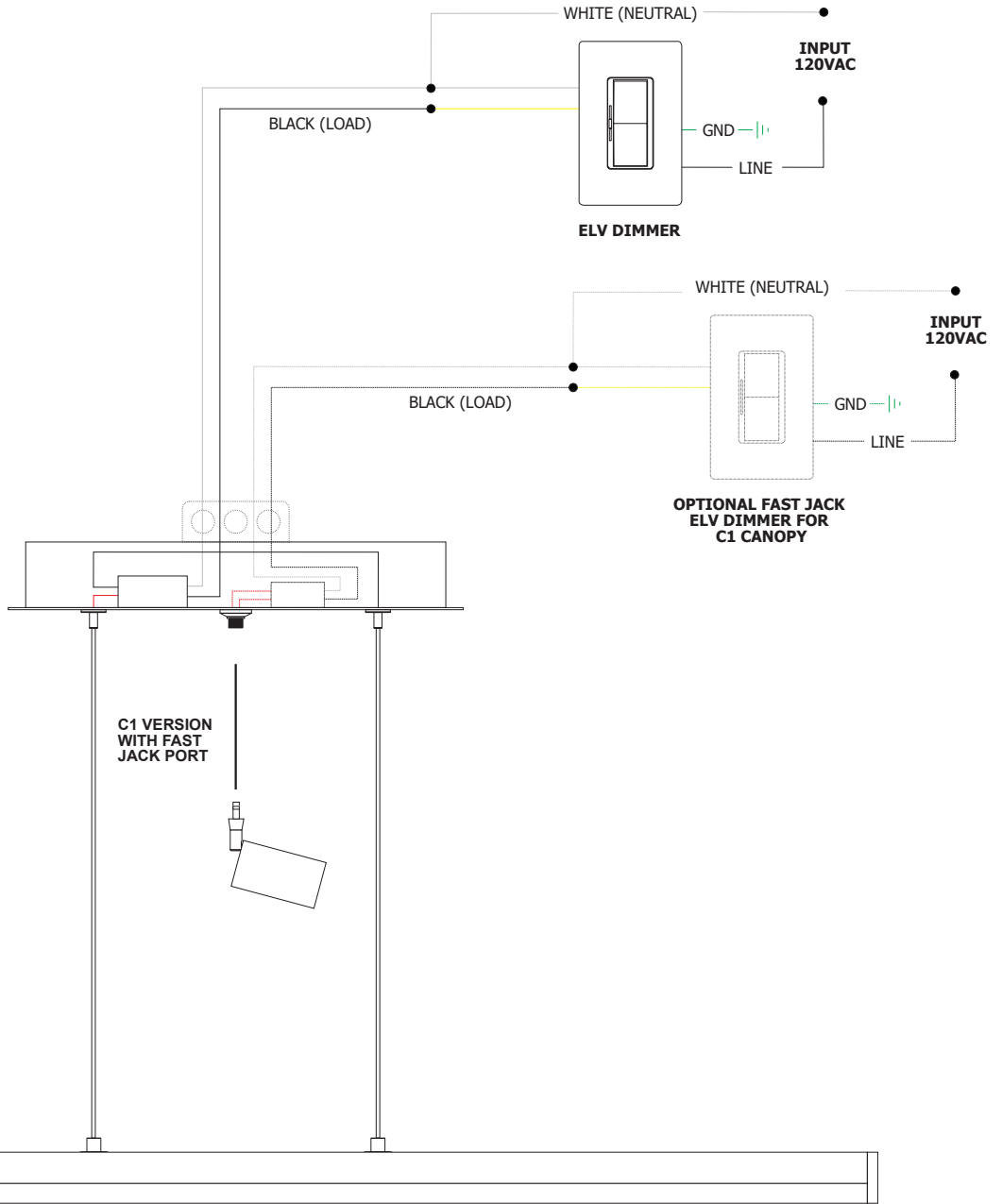
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|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|

CIRRUS SUSPENSION R1

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WIRING DIAGRAM Wiring Diagram for Static White with ELV Dimmer

APPLICATION ELV or Triac dimming for Cirrus Power Suspension R1, Center Feed Canopy with Fast Jack (C1), Static White



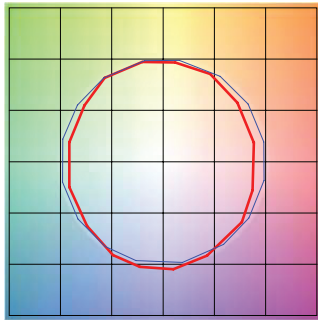
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|---------|--|--------------|--|------|--|
| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|

SUSPENSION TM30 DATA

RECTANGULAR R1 WITH POWER, CENTER FEED

TM-30-15 DATA: The data below is for SS2C, SS5C, SS7C, and SS10C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

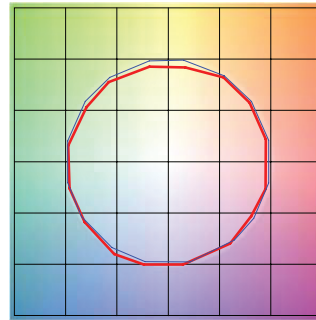
2200K | Rf: 83.9 | Rg: 94.9
Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % | | | |
|------------------|------|--------|--------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 78.8 | -9.5% | 1.3% |
| 2 | 80.7 | -7.8% | 6.7% |
| 3 | 78.2 | -3.3% | 9.4% |
| 4 | 89.7 | -2.8% | 3.6% |
| 5 | 93.2 | -0.8% | 2.6% |
| 6 | 93.0 | -0.6% | -0.7% |
| 7 | 87.7 | -5.9% | -3.5% |
| 8 | 89.2 | -6.8% | 1.9% |
| 9 | 83.4 | -5.6% | 6.0% |
| 10 | 79.3 | -3.7% | 10.8% |
| 11 | 81.4 | 2.9% | 11.1% |
| 12 | 84.9 | 5.3% | 4.9% |
| 13 | 88.1 | 4.9% | -10.1% |
| 14 | 68.1 | 0.1% | -19.5% |
| 15 | 86.0 | -3.3% | -7.3% |
| 16 | 76.4 | -8.9% | -11.7% |

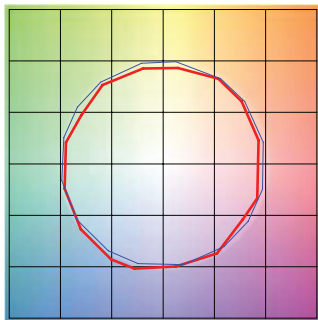
2400K | Rf: 91.2 | Rg: 96.8
Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % | | | |
|------------------|------|--------|-------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 92.0 | -2.4% | 1.5% |
| 2 | 94.7 | -2.1% | 0.0% |
| 3 | 95.4 | -1.9% | -0.1% |
| 4 | 88.7 | -6.7% | -3.1% |
| 5 | 92.8 | -5.6% | 1.0% |
| 6 | 92.7 | -3.4% | 3.4% |
| 7 | 89.9 | -4.3% | 4.1% |
| 8 | 92.4 | -1.4% | 4.4% |
| 9 | 89.0 | -0.6% | 5.8% |
| 10 | 88.9 | 0.4% | 6.2% |
| 11 | 89.7 | 4.0% | 5.4% |
| 12 | 92.6 | 3.0% | -0.7% |
| 13 | 90.9 | 1.1% | -7.0% |
| 14 | 89.9 | 0.5% | -5.8% |
| 15 | 92.1 | -3.2% | 0.1% |
| 16 | 88.9 | -1.7% | -6.3% |

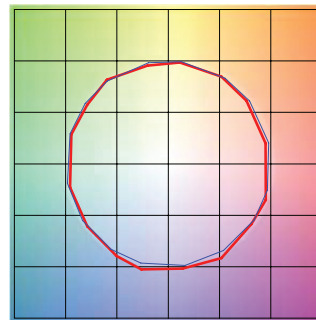
2700K | Rf: 87.7 | Rg: 96.1
Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % | | | |
|------------------|------|--------|-------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 88.0 | -4.3% | 2.6% |
| 2 | 91.6 | -2.4% | 2.0% |
| 3 | 93.7 | -1.4% | 1.9% |
| 4 | 88.9 | -5.6% | -3.1% |
| 5 | 92.3 | -5.5% | -0.5% |
| 6 | 92.9 | -3.5% | 0.1% |
| 7 | 84.5 | -7.5% | 4.6% |
| 8 | 90.8 | -3.0% | 4.4% |
| 9 | 84.5 | -1.3% | 8.3% |
| 10 | 83.9 | 2.0% | 9.8% |
| 11 | 87.2 | 5.3% | 7.1% |
| 12 | 89.2 | 5.4% | -2.6% |
| 13 | 88.7 | 0.3% | -7.8% |
| 14 | 86.8 | 1.7% | -9.3% |
| 15 | 87.6 | -5.4% | -1.3% |
| 16 | 83.6 | -3.3% | -9.5% |

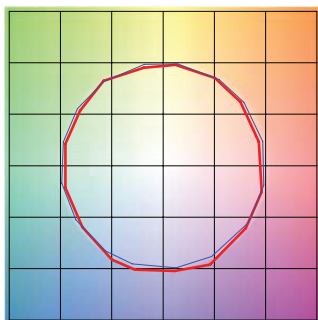
3000K | Rf: 88.1 | Rg: 99.7
Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % | | | |
|------------------|------|--------|-------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 92.5 | -3.1% | 0.3% |
| 2 | 93.3 | -2.3% | 1.9% |
| 3 | 90.9 | -0.8% | 3.9% |
| 4 | 94.3 | -1.1% | 1.4% |
| 5 | 92.5 | -2.6% | 1.5% |
| 6 | 96.4 | 1.2% | -0.3% |
| 7 | 92.6 | -2.5% | -0.0% |
| 8 | 96.9 | -1.4% | 0.2% |
| 9 | 92.3 | -1.8% | 4.3% |
| 10 | 86.6 | -0.7% | 7.0% |
| 11 | 86.5 | 2.4% | 8.2% |
| 12 | 89.8 | 5.9% | 1.7% |
| 13 | 93.9 | 2.6% | -2.7% |
| 14 | 89.4 | 5.1% | -5.8% |
| 15 | 90.1 | -0.1% | -4.7% |
| 16 | 86.5 | 0.3% | -9.7% |

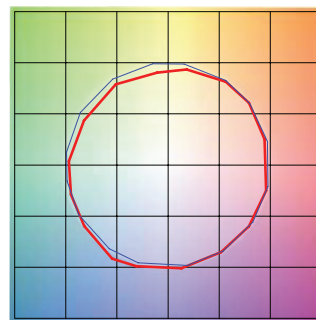
3500K | Rf: 86.1 | Rg: 95.5
Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % | | | |
|------------------|------|--------|-------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 90.8 | -3.8% | 0.3% |
| 2 | 92.3 | -2.8% | 2.1% |
| 3 | 89.7 | -1.0% | 4.3% |
| 4 | 92.6 | -1.4% | 1.7% |
| 5 | 91.8 | -3.1% | 1.3% |
| 6 | 96.2 | 0.8% | -0.4% |
| 7 | 92.9 | -3.2% | 0.2% |
| 8 | 94.3 | -2.5% | 1.5% |
| 9 | 90.4 | -2.5% | 5.2% |
| 10 | 84.3 | -1.4% | 9.5% |
| 11 | 83.1 | 3.5% | 9.8% |
| 12 | 88.2 | 4.8% | 3.4% |
| 13 | 94.0 | 2.7% | -2.0% |
| 14 | 88.7 | 5.9% | -5.8% |
| 15 | 88.7 | 0.7% | -5.9% |
| 16 | 86.8 | -0.7% | -6.7% |

4000K | Rf: 87.6 | Rg: 96.8
Color Vector Graphic



■ Test ■ Reference

| GRAPHIC SHIFTS % | | | |
|------------------|------|--------|-------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 88.9 | -2.4% | 2.5% |
| 2 | 93.3 | -0.4% | 0.8% |
| 3 | 94.8 | -1.0% | -0.6% |
| 4 | 87.9 | -4.9% | -3.6% |
| 5 | 85.3 | -9.4% | -2.6% |
| 6 | 90.2 | -6.0% | 0.2% |
| 7 | 85.3 | -7.6% | 4.6% |
| 8 | 83.7 | -4.1% | 8.2% |
| 9 | 79.5 | -1.1% | 13.8% |
| 10 | 78.6 | 1.5% | 12.1% |
| 11 | 83.5 | 6.4% | 7.8% |
| 12 | 90.9 | 3.6% | -1.1% |
| 13 | 88.3 | 1.7% | -6.3% |
| 14 | 91.9 | -0.4% | -2.2% |
| 15 | 84.5 | -0.9% | -5.5% |
| 16 | 84.7 | -1.1% | -4.4% |

| | | |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|

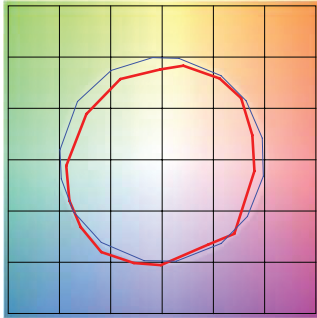
SUSPENSION TM30 DATA

RECTANGULAR R1 WITH POWER, CENTER FEED

TM-30-15 DATA: The data below is for SS2C, SS5C, SS7C, and SS10C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

5700K | Rf: 80.3 | Rg: 91.5

Color Vector Graphic

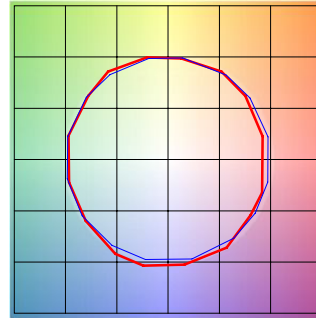


■ Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
|---------|------|------------------|--------|
| | | CHROMA | HUE |
| 1 | 75.4 | -8.9% | 4.7% |
| 2 | 87.5 | -2.6% | 4.6% |
| 3 | 90.7 | -3.0% | -0.5% |
| 4 | 83.2 | -6.0% | -5.7% |
| 5 | 76.2 | -12.9% | -5.3% |
| 6 | 81.4 | -11.9% | -2.6% |
| 7 | 74.8 | -14.0% | 5.1% |
| 8 | 69.0 | -9.0% | 14.1% |
| 9 | 72.6 | -3.6% | 22.2% |
| 10 | 71.4 | 2.7% | 16.1% |
| 11 | 81.3 | 7.9% | 5.3% |
| 12 | 83.6 | 4.1% | -9.4% |
| 13 | 78.4 | 0.7% | -15.3% |
| 14 | 77.7 | -6.2% | -11.0% |
| 15 | 68.8 | -1.3% | -21.2% |
| 16 | 80.8 | -9.6% | 3.3% |

2700D | Rf: 89.5 | Rg: 100.8

Color Vector Graphic

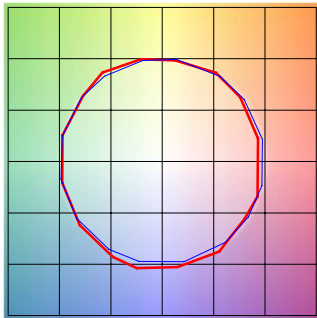


■ Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
|---------|------|------------------|--------|
| | | CHROMA | HUE |
| 1 | 88.8 | -5.1% | 1.4% |
| 2 | 89.8 | -2.7% | 4.1% |
| 3 | 87.2 | 0.3% | 5.9% |
| 4 | 92.3 | -0.9% | 1.0% |
| 5 | 93.3 | 1.5% | 1.7% |
| 6 | 92.4 | 3.6% | -0.2% |
| 7 | 92.2 | -0.9% | -2.4% |
| 8 | 96.7 | -0.4% | -1.1% |
| 9 | 92.3 | -1.2% | 3.7% |
| 10 | 88.9 | -0.0% | 6.1% |
| 11 | 86.4 | 5.1% | 7.4% |
| 12 | 88.2 | 6.3% | -0.9% |
| 13 | 87.2 | 3.8% | -8.1% |
| 14 | 84.2 | 3.8% | -11.0% |
| 15 | 89.8 | -2.6% | -4.3% |
| 16 | 82.7 | -3.4% | -11.1% |

3000D | Rf: 89.8 | Rg: 101.4

Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
|---------|------|------------------|--------|
| | | CHROMA | HUE |
| 1 | 90.2 | -4.2% | 1.5% |
| 2 | 90.9 | -2.0% | 3.7% |
| 3 | 87.9 | 0.8% | 5.5% |
| 4 | 92.1 | -0.9% | 0.6% |
| 5 | 93.0 | 1.5% | 1.6% |
| 6 | 92.2 | 3.9% | -0.2% |
| 7 | 92.1 | -0.3% | -2.0% |
| 8 | 96.7 | 0.0% | -1.2% |
| 9 | 92.5 | -0.6% | 3.7% |
| 10 | 88.3 | 1.1% | 7.0% |
| 11 | 87.2 | 4.1% | 7.4% |
| 12 | 87.2 | 6.7% | -1.0% |
| 13 | 88.2 | 3.8% | -7.2% |
| 14 | 85.3 | 4.3% | -9.9% |
| 15 | 90.9 | -2.2% | -3.6% |
| 16 | 83.4 | -2.2% | -11.2% |

| | | |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|

CIRRUS SUSPENSION R1

RECTANGULAR R1 WITH POWER, CENTER FEED



FJ-SCO-1-PN
Fast Jack Scope LED
9W, 315 lumens 3000K
(adjustable beam spread
from 20°-50°)
Fixture Finishes: SN, PN, BZ, WH



FJ-PST-SP-1-30K-SN
Fast Jack Piston
9W, 650 lumens
SP 15°, NF 25°, FL 35°
& WF 45° Beam Spreads
Fixture Finishes: SN, WH



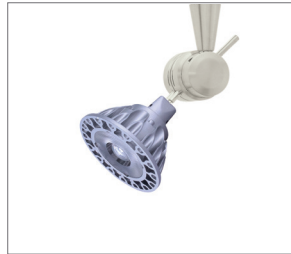
FJ-FOR-SQ-3-PN
FJ-FOR-RD-3-PN
Fast Jack Form Round or Square
Fixture Finishes: SN, PN



FJ-FOR-2RD-3-SN
FJ-FOR-2SQ-3-SN
Fast Jack Form
Round or Square 2-Head
Fixture Finishes: SN, PN



FJ-REB-1-PN
Fast Jack Rebel
Fixture Finishes: SN, PN, BZ, WH



FJ-CHO-1-SN
Fast Jack Chopper with LED
Fixture Finishes: SN, PN, BZ



FJ-SPI-3-PN with S1-PN
Fast Jack Spirit, S1 Shade
Fixture Finishes: SN, PN, BZ
S1 Shade Finishes: SN, PN, BZ, BK



FJ-LOW-1-SN with S1-SN
Fast Jack Low Rider, S1 Shade
Fixture Finishes: SN, PN, BZ
S1 Shade Finishes: SN, PN, BZ, BK

FAST JACK FIXTURE & SHADE FINISHES


| | | | | | | | | | |
|-----------|--------------|-----------|-----------------|-----------|----------------|-----------|-------|-----------|-------|
| SN | Satin Nickel | PN | Polished Nickel | BZ | Antique Bronze | WH | White | BK | Black |
|-----------|--------------|-----------|-----------------|-----------|----------------|-----------|-------|-----------|-------|

| | | | | | |
|---------|--|--------------|--|------|--|
| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|


12VAC LED MR16

REV 04.30.20

SOL LIGHT WARM DIM


| Brand | Ordering Code | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CCT Warm Dim | Total Lumens | Lumens Per Watt | Voltage | Certification | Halogen Equivalent |
|---|-------------------------|-------|-----|----|----------------------|-------------------|---------------------|--------------|-----------------|---------|---|--------------------|
|  | MR16-12V-8W-NF-27KWD-SL | 8 | 97+ | 85 | 24 | 30,000 | 2700K dims to 1800K | 390 | 50 | 12V | Title 24 Compliant, low flicker <1% CE, UL, NOM | 50 |
| | MR16-12V-8W-FL-27KWD-SL | 8 | 97+ | 85 | 36 | 30,000 | 2700K dims to 1800K | 427 | 55 | 12V | Title 24 Compliant, low flicker <1% CE, UL, NOM | 50 |
| | MR16-12V-8W-NF-30KWD-SL | 8 | 97+ | 85 | 24 | 30,000 | 3000K dims to 1800K | 410 | 53 | 12V | Title 24 Compliant, low flicker <1% CE, UL, NOM | 50 |
| | MR16-12V-8W-FL-30KWD-SL | 8 | 97+ | 85 | 36 | 30,000 | 3000K dims to 1800K | 450 | 58 | 12V | Title 24 Compliant, low flicker <1% CE, UL, NOM | 50 |

SORAA BRILLIANT HIGH LUMEN 2700K COLOR TEMPERATURE

| Brand | Ordering Code | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CBCP | Total Lumens | Lumens Per Watt | Voltage | Certification | Halogen Equivalent |
|---|---------------------|-------|-----|----|----------------------|-------------------|-------|--------------|-----------------|--------------|---|--------------------|
|  | SM16-07-10D-827-H1* | 8 | 90 | 80 | 10 | 35,000 | 8,000 | 575 | 77 | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75 |
| | SM16-07-25D-827-H1 | 8 | 90 | 80 | 25 | 35,000 | 3,710 | 600 | 80 | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75 |
| | SM16-07-36D-827-H1 | 8 | 90 | 80 | 36 | 35,000 | 1,550 | 600 | 80 | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75 |


*Use with Snap Lens

SORAA VIVID 2700K COLOR TEMPERATURE INDOOR/OUTDOOR


| Brand | Ordering Code | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CCT Warm Dim | Total Lumens | Lumens Per Watt | Voltage | Certification | Halogen Equivalent |
|---|---------------------|-------|-----|----|----------------------|-------------------|--------------|--------------|-----------------|--------------|---|--------------------|
|  | SM16-07-10d-927-03* | 8 | 95 | 95 | 10 | 35,000 | 5,710 | 390 | 52 | 12V +/- 1.2V | JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50 |
| | SM16-07-25D-927-03 | 8 | 95 | 95 | 25 | 35,000 | 2,260 | 410 | 55 | 12V +/- 1.2V | JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50 |
| | SM16-07-36D-927-03 | 8 | 95 | 95 | 36 | 35,000 | 1,070 | 410 | 55 | 12V +/- 1.2V | JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50 |

*Use with Snap Lens

SORAA HEALTHY

| Brand | Ordering Code | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CCT Warm Dim | Total Lumens | Lumens Per Watt | Voltage | Certification | Halogen Equivalent |
|---|-------------------------|-------|-----|----|----------------------|-------------------|--------------|--------------|-----------------|--------------|-------------------------------------|--------------------|
|  | SH-MR16-07-36D-27-01-X2 | 8 | 80 | 90 | 36 | 25,000 | 1,020 | 400 | 53 | 12V +/- 1.2V | UL/CUL, FCC Title 47 Part 15B, RoHS | 50 |

SORAA BRILLIANT HIGH LUMEN 3000K COLOR TEMPERATURE

| Brand | Ordering Code | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CBCP | Total Lumens | Lumens Per Watt | Voltage | Certification | Halogen Equivalent |
|---|---------------------|-------|-----|----|----------------------|-------------------|-------|--------------|-----------------|--------------|---|--------------------|
|  | SM16-07-10D-830-H1* | 8 | 90 | 80 | 10 | 35,000 | 8,400 | 600 | 80 | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75 |
| | SM16-07-25D-830-H1 | 8 | 90 | 80 | 25 | 35,000 | 3,300 | 630 | 84 | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75 |
| | SM16-07-36D-830-H1 | 8 | 90 | 80 | 36 | 35,000 | 1,650 | 630 | 84 | 12V +/- 1.2V | Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 75 |


*Use with Snap Lens

| | | | | | |
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| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|

12VAC LED MR16


REV 04.30.20

SORAA VIVID 3000K COLOR TEMPERATURE MR16 INDOOR/OUTDOOR

| Brand | Ordering Code | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CCT Warm Dim | Total Lumens | Lumens Per Watt | Voltage | Certification | Halogen Equivalent |
|---|---------------------|-------|-----|----|----------------------|-------------------|--------------|--------------|-----------------|--------------|---|--------------------|
|  | SM16-07-10D-930-03* | 8 | 95 | 95 | 10 | 35,000 | 6,000 | 410 | 55 | 12V +/- 1.2V | JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50 |
| | SM16-07-25D-930-03 | 8 | 95 | 95 | 25 | 35,000 | 2,400 | 435 | 58 | 12V +/- 1.2V | JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50 |
| | SM16-07-36D-930-03 | 8 | 95 | 95 | 36 | 35,000 | 1,130 | 435 | 58 | 12V +/- 1.2V | JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50 |


*Use with Snap Lens

SORAA VIVID 4000K COLOR TEMPERATURE MR16 INDOOR/OUTDOOR

| Brand | Ordering Code | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CBCP | Total Lumens | Lumens Per Watt | Voltage | Certification | Halogen Equivalent |
|---|---------------------|-------|-----|----|----------------------|-------------------|-------|--------------|-----------------|--------------|---|--------------------|
|  | SM16-07-10D-940-03* | 8 | 95 | 95 | 10 | 35,000 | 6,290 | 430 | 57 | 12V +/- 1.2V | JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50 |
| | SM16-07-25D-940-03 | 8 | 95 | 95 | 25 | 35,000 | 2,510 | 455 | 61 | 12V +/- 1.2V | JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50 |
| | SM16-07-36D-940-03 | 8 | 95 | 95 | 36 | 35,000 | 1,190 | 455 | 61 | 12V +/- 1.2V | JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE | 50 |

*Use with Snap Lens

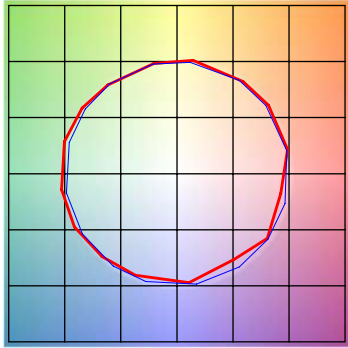
SATCO 3500K COLOR TEMPERATURE MR16 INDOOR/OUTDOOR

| Brand | Ordering Code | Watts | CRI | R9 | Beam Angle (Degrees) | Lamp Life (Hours) | CBCP | Total Lumens | Lumens Per Watt | Voltage | Certification | Halogen Equivalent |
|--|---------------|-------|-----|-----|----------------------|-------------------|-------|--------------|-----------------|---------|--|--------------------|
|  | S8637 | 8 | 90+ | N/A | 15 | 25,000 | 6,290 | 430 | 61 | 12 | UL/CUL, FCC Title 47 Part 15B, RoHS, Lawful for sale in California | 75 |
| | S8642 | 8 | 90+ | N/A | 40 | 25,000 | 2,510 | 455 | 61 | 12 | UL/CUL, FCC Title 47 Part 15B, RoHS, Lawful for sale in California | 75 |

8MR16/LED/40/35K/90CRI/12V 8 watt; LED MR16; 3500K; 40° beam spread; GU5.3 base; 12 volts. Features: Silver back MR16 reflector. Direct replacements for 75 watt Halogen lamps - uses only 8 watts. Dimmable. No UV or IR radiation. Approved for enclosed fixtures.

| | | | | | |
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| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|

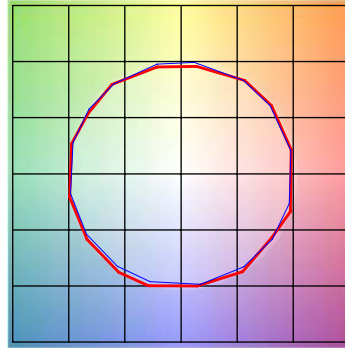
SORAA VIVID MR16 36° FL
3000K | Rf: 90.4 | Rg: 99.5
 Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
|---------|------|------------------|--------|
| | | CHROMA | HUE |
| 1 | 94.4 | 1.0% | 0.8% |
| 2 | 94.6 | 2.1% | -1.1% |
| 3 | 91.9 | 1.1% | -3.3% |
| 4 | 91.9 | 2.1% | -2.1% |
| 5 | 93.9 | 0.4% | -0.9% |
| 6 | 95.2 | 0% | 1.9% |
| 7 | 93.4 | 2.7% | -0.7% |
| 8 | 92.7 | 4.2% | 0.1% |
| 9 | 90.5 | 3.6% | -3.9% |
| 10 | 84.3 | 2.3% | -9.2% |
| 11 | 81.3 | 2.3% | -12.7% |
| 12 | 81.3 | -3.6% | -10.3% |
| 13 | 90.5 | -2.5% | -6.2% |
| 14 | 88.5 | -8.2% | -0.4% |
| 15 | 96.2 | -1.0% | 0.3% |
| 16 | 86.6 | -5.4% | 8.2% |

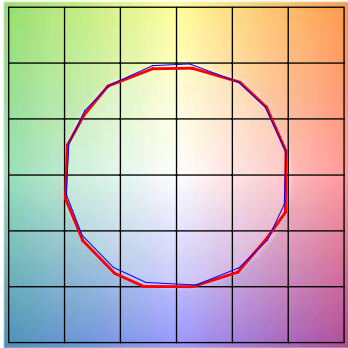
SOL-LIGHT WARM DIM MR16 36° FL
3000K | Rf: 94.2 | Rg: 101.2
 Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
|---------|------|------------------|-------|
| | | CHROMA | HUE |
| 1 | 96.0 | 0.3% | 0.7% |
| 2 | 96.8 | 0.9% | -0.8% |
| 3 | 95.6 | 0.5% | -0.8% |
| 4 | 93.1 | -3.2% | -2.7% |
| 5 | 95.7 | -2.4% | 0.4% |
| 6 | 96.8 | 0.4% | 1.6% |
| 7 | 92.4 | -1.4% | 3.5% |
| 8 | 96.8 | 1.2% | 1.2% |
| 9 | 94.0 | 1.4% | 3.1% |
| 10 | 92.6 | 2.1% | 3.9% |
| 11 | 92.2 | 3.7% | 3.9% |
| 12 | 92.4 | 3.9% | -0.9% |
| 13 | 94.7 | 0.9% | -3.3% |
| 14 | 93.4 | 3.0% | -3.2% |
| 15 | 93.6 | -1.1% | 0.9% |
| 16 | 90.2 | 2.4% | -6.7% |

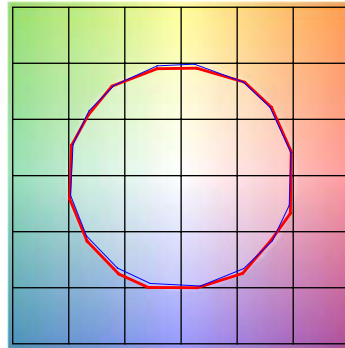
SORAA VIVID MR16 25° NFL
3000K | Rf: 94.0 | Rg: 101.0
 Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
|---------|------|------------------|-------|
| | | CHROMA | HUE |
| 1 | 95.9 | 0.3% | 0.8% |
| 2 | 96.8 | 0.8% | -0.9% |
| 3 | 95.5 | 0.4% | -0.9% |
| 4 | 92.7 | -3.4% | -2.9% |
| 5 | 95.6 | -2.7% | 0.4% |
| 6 | 96.8 | 0.1% | 1.6% |
| 7 | 92.2 | -1.6% | 3.7% |
| 8 | 96.6 | 1.1% | 1.5% |
| 9 | 93.7 | 1.4% | 3.3% |
| 10 | 92.4 | 2.2% | 4.1% |
| 11 | 92.2 | 3.8% | 3.8% |
| 12 | 92.4 | 3.9% | -1.1% |
| 13 | 94.4 | 0.8% | -3.6% |
| 14 | 93.3 | 2.8% | -3.4% |
| 15 | 93.4 | -1.4% | 0.9% |
| 16 | 90.3 | 2.2% | -6.7% |

SOL-LIGHT WARM DIM MR16 24° NFL
3000K | Rf: 94.2 | Rg: 101.2
 Color Vector Graphic



■ Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
|---------|------|------------------|-------|
| | | CHROMA | HUE |
| 1 | 95.9 | 0.3% | 0.8% |
| 2 | 96.8 | 0.8% | -0.9% |
| 3 | 95.5 | 0.4% | -0.9% |
| 4 | 92.7 | -3.4% | -2.9% |
| 5 | 95.6 | -2.7% | 0.4% |
| 6 | 96.8 | 0.1% | 1.6% |
| 7 | 92.2 | -1.6% | 3.7% |
| 8 | 96.6 | 1.1% | 1.5% |
| 9 | 93.7 | 1.4% | 3.3% |
| 10 | 92.4 | 2.2% | 4.1% |
| 11 | 92.2 | 3.8% | 3.8% |
| 12 | 92.4 | 3.9% | -1.1% |
| 13 | 94.4 | 0.8% | -3.6% |
| 14 | 93.3 | 2.8% | -3.4% |
| 15 | 93.4 | -1.4% | 0.9% |
| 16 | 90.3 | 2.2% | -6.7% |

| | | |
|---------|--------------|------|
| PROJECT | FIXTURE TYPE | DATE |
|---------|--------------|------|