

# LTR-3RW Open SpectraSync

LITEISTRY 3" ROUND OPEN WALL WASH (WW/DWW/CWW)  
WITH COLOR TUNING

|            |           |
|------------|-----------|
| DATE:      | LOCATION: |
| TYPE:      | PROJECT:  |
| CATALOG #: |           |

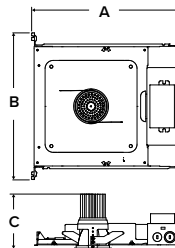
LITEISTRY™

## FEATURES

- 3" architectural LED wall wash delivering 600–1300 lm
- Single, double and corner wall wash solutions
- Provides uniform vertical illumination as well as room side light
- Quiet reflector appearance with 50° optical cutoff
- SpectraSync™ Color Tuning technology allows the flexibility to tailor CCT to aesthetic preferences
- Available in Dim to Warm (2200K-3000K) or Tunable White (2700K-5000K or 2700K-6500K), 90+ CRI
- Available for New Construction (non-IC), IC and Chicago Plenum applications
- Standard with 0-10V dimming to 5%
- NX Lighting Controls wired and wireless controls capability available



## CONTROLS TECHNOLOGY



| Typical Dimensions and Weights |                        |                       |                        |                 |
|--------------------------------|------------------------|-----------------------|------------------------|-----------------|
| Lumen Package                  | "A" Length Inches (mm) | "B" Width Inches (mm) | "C" Height Inches (mm) | Weight lbs (kg) |
| 06L - 13L                      | 14.56 (370)            | 14.36 (365)           | 5.38 (137)             | 7.3 (3.3)       |

See DIMENSIONS section for complete details

## SPECIFICATIONS

### CONSTRUCTION

- Painted black durable steel platform with pre-installed bar hangers
- Pre-wired junction box with snap-on covers for easy access
- Snap-in connection from driver compartment allows easy installation
- Light Engine connections use plenum rated (CMP) cable

### OPTICS

- Visually pleasing 50° cutoff to source and source image
- Open cone and kicker reflector assembly with an optical grade silicone lens integral to light engine
- Available in Single, Double, and Corner wall wash distributions
- Provides excellent uniformity down the wall while also contributing to room side lighting
- The light distribution is free of distracting bright spots or pixelation and the perimeter has a smooth transition
- High purity spun aluminum reflector, self-flanged
- Flush mount flange option with mud-in ring available
- Large selection of anodized finishes and colors
- Painted cones and flange options available

### ELECTRICAL

- LED array with 3 SDCM color consistency
- Dim to Warm (2200K-3000K) or Tunable White (2700K-5000K or 2700K-6500K) options available
- 90+ CRI standard
- Long LED life: L70 at > 60,000 hours (TM-21)
- Universal voltage 120V–277V driver
- UL Class 2, inherent short circuit and overload protection
- Flicker free 0–10V dimming to 5%
- NX Lighting Controls provides options for stand-alone and networked functionality with wired or wireless connectivity for NX system deployments
- Emergency battery pack option available with remote test switch and indicator light
- Refer to additional spec sheets for information on standard LITEISTRY solutions

### INSTALLATION

- Accommodates ceiling thickness up to 2" (WW/DWW); up to 1.25" (CWW)
- Universal adjustable mounting brackets also accept ½" EMT conduit or 1 ½" or ¾" lathing channel (by others) or Prescolite accessory bar hangers (B24 or B6)
- Light engine fully serviceable from above or below the ceiling; driver and EMR battery pack are serviceable above ceiling only

### CERTIFICATIONS

- cCSAus certified to UL 1598
- Suitable for damp locations
- EMR: Certified under UL 924 standard for emergency lighting and power equipment
- EMR: Emergency battery packs are California Energy Commission (CEC) Title 20 Compliant
- Approved for 8 (4 in/4 out) No. 12AWG conductors rated for 90°C through wiring
- For -BAA Option: This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) [See Buy America\(n\) Solutions](#)
- For -TAA Option: Product configurations meet federal procurement law requirements under the Trade Agreements Act (FAR 52.225-11) [See Buy America\(n\) Solutions](#)

### WARRANTY

- 5 year warranty

| KEY DATA              |               |
|-----------------------|---------------|
| Lumen Range           | 600-1300      |
| Wattage Range         | 10-23         |
| Efficacy Range (LPW)  | 48*           |
| Reported Life (Hours) | L70 / >60,000 |
| Input Current (mA)    | 83-191 (120V) |

\*Based on Specular, 30K, 90 CRI

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## ORDERING GUIDE

Example: LTR-3RD-H-SL10L-DMTW-LTR-3RW-T-SL2230TD9WW-S

CATALOG #

### HOUSING

| LTR-3RD-H               |   |               |                |              |      |  |  |
|-------------------------|---|---------------|----------------|--------------|------|--|--|
| Aperture/Shape/Function |   | Lumen Package |                | Lumen Output |      | Driver Options   |  |
| LTR-3RD-H               | 3" Round Downlight / Wall Wash New Construction Housing | SL            | Standard Lumen | 06L          | 600  | DMTW   | SpectraSync™ Dim to Warm, 0-10V Dimming to 5% <sup>1</sup> |
|                         |   |               |                | 10L          | 1000 |  |  |
|                         |   |               |                | 13L          | 1300 |  |  |
|                         |   |               |                |              |      |  |  |
|                         |   |               |                |              |      | Control Options  |  |
|                         |   |               |                |              |      | Voltage  |  |
|                         |   |               |                |              |      | Housing Options  |  |
|                         |   |               |                |              |      | Standard 120-277V  |  |
|                         |   |               |                |              |      | CP Chicago Plenum <sup>5, 6, 7</sup>   |  |
|                         |   |               |                |              |      | IC IC rated <sup>5, 6, 7</sup>   |  |
|                         |   |               |                |              |      | EMR 7W Emergency Battery Pack (CEC Title 20 Compliant) with remote test switch and indicator light <sup>5, 7</sup> |  |
|                         |   |               |                |              |      | F Fuse <sup>5</sup>  |  |
|                         |   |               |                |              |      | BAA Buy American Act (FAR 52.225-9) Compliant  |  |
|                         |   |               |                |              |      | TAA Trade Agreements Act (FAR 52.225-11) Compliant   |  |

### TRIM

| LTR-3RW-T               |   |               |                |        |  |     |   |              |     |                  |
|-------------------------|---|---------------|----------------|--------|--|-----|---|--------------|-----|------------------|
| Aperture/Shape/Function |   | Lumen Package |                | CCT    |  | CRI |   | Distribution |     |                  |
| LTR-3RW-T               | 3" Round Wall Wash Light Engine/Trim Assembly | SL            | Standard Lumen | 2230TD | 2200K-3000K SpectraSync™ Dim to Warm   |     | 9 | 90+CRI       | WW  | Single Wall Wash |
|                         |   |               |                | 2750T  | 2700K-5000K SpectraSync™ Tunable White |     |   |              | DWW | Double Wall Wash |
|                         |   |               |                | 2765T  | 2700K-6500K SpectraSync™ Tunable White |     |   |              | CWW | Corner Wall Wash |
|                         |   |               |                |        |  |     |   |              |     |                  |

### TRIM CONTINUED

| Reflector Finish   |          | Reflector Color |                               | Flange Color Options             |                           | Reflector Options                             |  |
|--|----------|-----------------|-------------------------------|----------------------------------|---------------------------|---|--|
| Finish not applicable with painted reflectors (WC or BC) |          | Standard Clear  |                               | Standard matches reflector color |                           | AM Antimicrobial Coating <sup>4</sup>         |  |
| S  | Specular | CG              | Champagne Gold                | WT                               | White Flange <sup>3</sup> | BAA Buy American Act (FAR 52.225-9) Compliant | TAA Trade Agreements Act (FAR 52.225-11) Compliant |
|  |          | BL              | Black                         | BT                               | Black Flange <sup>3</sup> |   |  |
|  |          | LW              | Light Wheat                   |                                  |                           |   |  |
|  |          | PW              | Pewter                        |                                  |                           |   |  |
|  |          | WC              | Painted White Cone and Flange |                                  |                           |   |  |
|  |          | BC              | Painted Black Cone and Flange |                                  |                           |   |  |

| Accessories                         |  |
|-------------------------------------|--|
| <input type="checkbox"/> B24        | Set of two (2) 24" bar hangers for T-bar ceilings              |
| <input type="checkbox"/> B6         | Set of two bar hangers for ceiling joist up to 24" centers     |
| <input type="checkbox"/> FMR3-R     | Flush Mount Mud-In Ring, 3" Round                              |
| <input type="checkbox"/> LiteGear   | LiteGear® Inverter, 125VA-250VA                                |
| <input type="checkbox"/> LPS Series | LightPower Micro-Inverter, 20VA-55VA                           |
| <input type="checkbox"/> MOR3-R-WH  | Metal Oversized Ring, 3" Round, White (6.75" outside diameter) |
| <input type="checkbox"/> MOR3-R-BL  | Metal Oversized Ring, 3" Round, Black (6.75" outside diameter) |



#### Notes:

- Must select 2230TD with DMTW driver.
- Must select either 2750T or 2765T with DMT driver.
- WT not needed for WC, BT not needed for BC.
- AM available with WC or Specular Clear (S or SWT). Consult factory for other colors.
- Housing options (except Fuse, BAA/TAA) not available in combination.
- IC, CP available in 06L.
- Not available with Control options.

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NX LIGHTING CONTROLS

| Control Option Ordering Logic & Description |     |  | Control Option Functionality |          |            |                  |                     |               |                |                           | Control Option Components   |         |
|---|-----|--|------------------------------|----------|------------|------------------|---------------------|---------------|----------------|---------------------------|---|---------|
|   |     |  | Networkable                  | Grouping | Scheduling | Occupancy/Motion | Daylight Harvesting | 0-10V Dimming | On/Off Control | Bluetooth App Programming |   |         |
| NX Wireless                                 | NXW | NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor | ✓                            | ✓        | ✓          | -                | -                   | ✓             | ✓              | ✓                         |  | NXRM2-H |
| NX Wired                                    | NXE | NX Wired Dual RJ45 SmartPORTS, without Sensor                                      | ✓                            | ✓        | ✓          | -                | -                   | ✓             | ✓              | ✓ <sup>1</sup>            |  | NXDSP   |

1 Requires NXBTC, order separately.

NX LIGHTING CONTROLS APP



The NX Lighting Controls App is a free to use mobile application for programming both an NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enabled luminaires and program your NX system settings.



Android



Apple iOS

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## SPECTRASync™ COLOR TUNING TECHNOLOGY

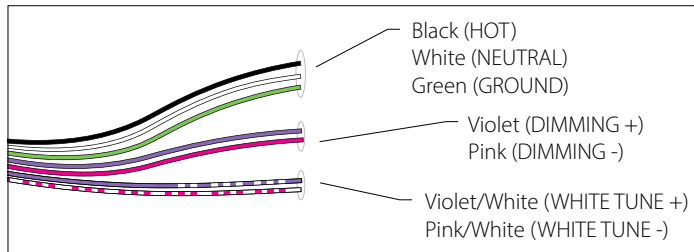
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



| SPECTRASync COLOR TUNING TECHNOLOGY |                            |  |
|-------------------------------------|----------------------------|--|
| Mode                                | Kelvin Range               | Description  |
| Dim to Warm                         | 2200K-3000K                | Mimics the familiar warming effect that occurs with traditional incandescent sources as they are dimmed  |
| Tunable White                       | 2700K-5000K<br>2700K-6500K | Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space |
| Scheduled White                     | 2700K-5000K<br>2700K-6500K | Mimics the rhythm of natural light or follows an alternative user-defined schedule throughout the day, enhancing an occupant's mood and well-being |

### SpectraSync Tunable White

Available in two options: 2750T (2700K–5000K) or 2765T (2700K–6500K). Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

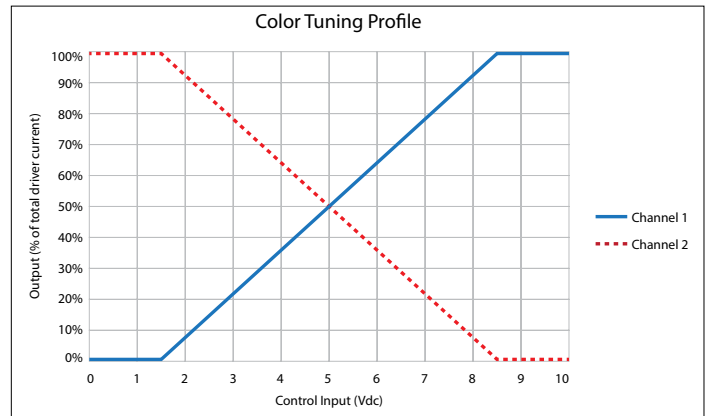


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and pink/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

### Controller Manufacturer Data

SpectraSync Tunable White was designed to be used with sinking style dimmers (provided by others) and is compatible with:

- Current: NX Lighting Controls Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DDTV, DVSTV, and NDTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



To enable scheduling and for use with NX wall control preset stations please refer to SpectraSync technical sheet.

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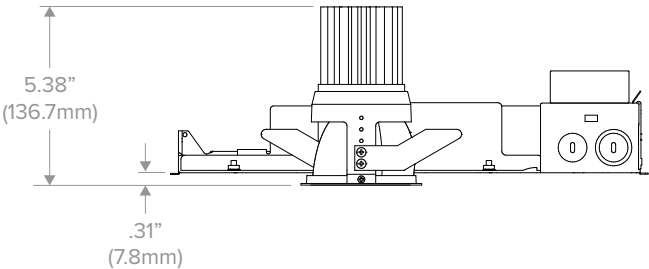
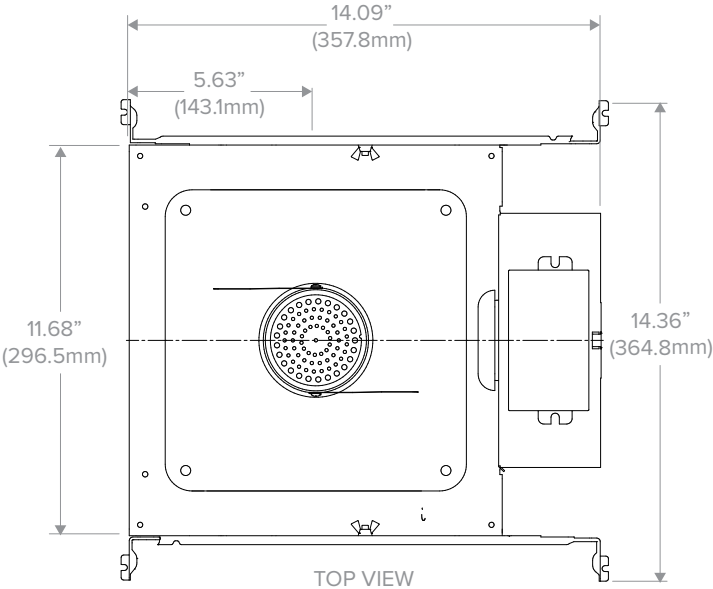
LOCATION:

TYPE:

PROJECT:

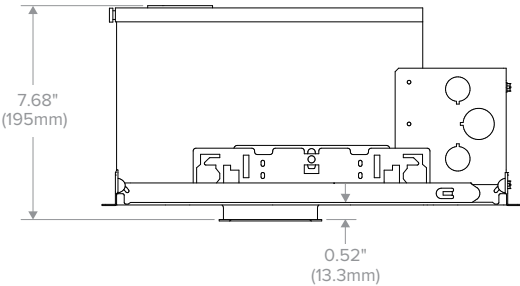
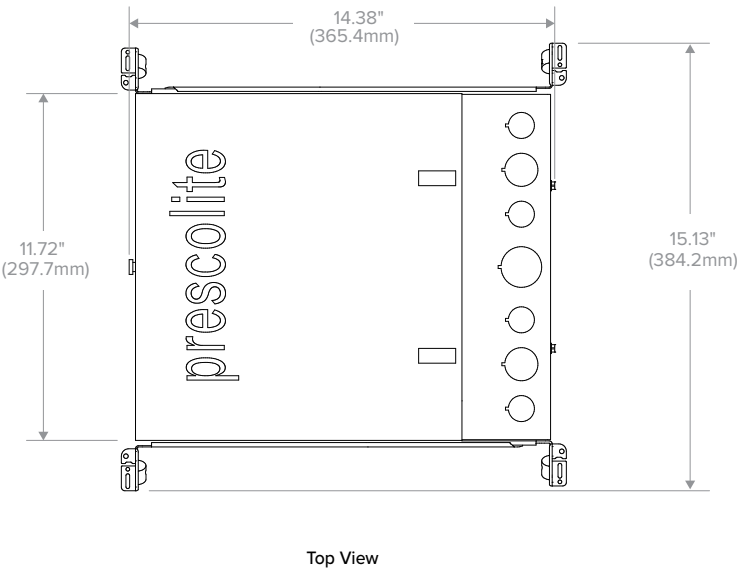
CATALOG #:

DIMENSIONS



| Dimensional Data               |             |                                   |
|--------------------------------|-------------|-----------------------------------|
| Aperture                       |             | 2.88" (73.2mm)                    |
| Flange: Standard & Flush Mount |             | 3.68" (93.5mm)                    |
| Ceiling Cutout:                | Standard    | 3.38" (85.9mm)                    |
|                                | Flush Mount | 4.00" (101.6mm)                   |
| Ceiling Thickness:             | WW/DWW      | 0.50" to 2.00" (12.7mm to 50.8mm) |
|                                | CWW         | 0.50" to 1.25" (12.7mm to 31.8mm) |

LTR-3RW-H



| Dimensional Data               |             |                                    |
|--------------------------------|-------------|------------------------------------|
| Aperture                       |             | 2.88" (73.2mm)                     |
| Flange: Standard & Flush Mount |             | 3.68" (93.5mm)                     |
| Ceiling Cutout:                | Standard    | 3.38" (85.9mm)                     |
|                                | Flush Mount | 4.00" (101.6mm)                    |
| Ceiling Thickness:             | WW/DWW      | 0.50" to 12.00" (12.7mm to 50.8mm) |
|                                | CWW         | 0.50" to 1.25" (12.7mm to 31.8mm)  |

LTR-3RW-H IC/CP

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## PHOTOMETRY

### LTR-3RD-H-SL13L-DMT / LTR-3RW-T-SL2765T9WWS

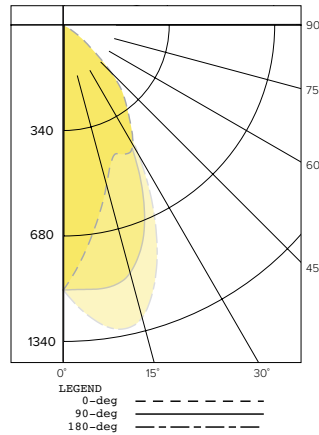
#### LUMINAIRE DATA

|                  |  |
|------------------|--|
| Test No.         | R19.01500-16                             |
| Description      | Single Wall Wash, 1300 lm, 3000K, 90 CRI |
| Delivered Lumens | 1129                                     |
| Watts            | 23.3W                                    |
| Efficacy         | 48.0                                     |
| Mounting         | Recessed                                 |

#### ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40  | 1003   | 88.8        |
| 0-60  | 1118   | 99.0        |
| 0-90  | 1129   | 100         |
| 0-180 | 1129   | 100         |

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

| Degree | Candela |
|--------|---------|
| 0      | 1079    |
| 5      | 937     |
| 15     | 710     |
| 25     | 670     |
| 35     | 466     |
| 45     | 232     |
| 55     | 87      |
| 65     | 21      |
| 75     | 4       |
| 85     | 1       |
| 90     | 0       |

#### LUMINANCE DATA\*

| Vertical Angle | Average |
|----------------|---------|
| 45°            | 76901   |
| 55°            | 35363   |
| 65°            | 11573   |
| 75°            | 3891    |
| 85°            | 1652    |

\*Candela/Square Meter

# LTR-3RW Open SpectraSync

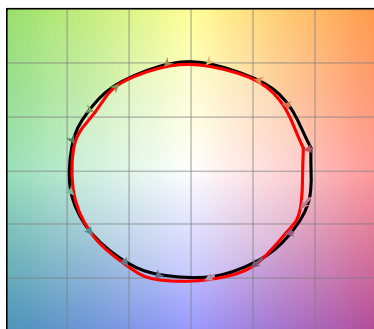
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## TM-30 DATA

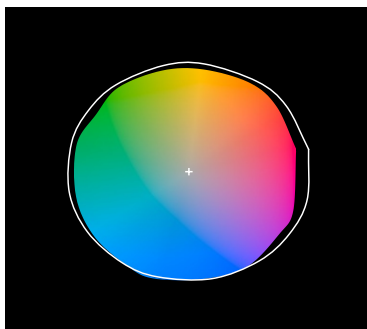
### SPECTRASYNCTM TUNABLE WHITE (2765T)

COLOR VECTOR GRAPHIC  
2700K, 90+ CRI



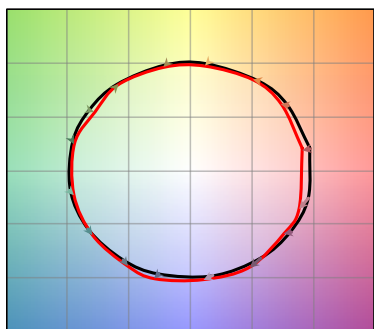
— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC  
2700K, 90+ CRI



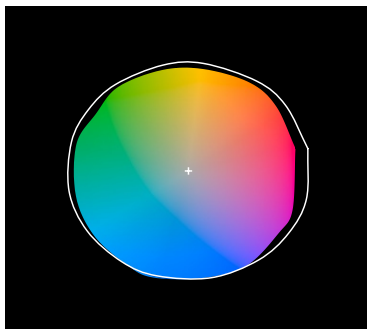
| TEST RESULTS - TUNABLE WHITE @ 1300 LUMENS (NOMINAL) |         |         |        |
|--|---------|---------|--------|
| Value  | 2700K   | 4600K   | 6500K  |
| Luminous Flux (lm)                                   | 1063    | 1231    | 1270   |
| Wattage (W)  | 23.1    | 23.0    | 23.0   |
| Efficacy (lm/W)                                      | 46      | 54      | 55     |
| R <sub>f</sub>                                       | 89      | 89      | 88     |
| R <sub>g</sub>                                       | 97      | 98      | 97     |
| CCT (K)  | 2875    | 4615    | 6504   |
| D <sub>uv</sub>                                      | -0.0021 | -0.0057 | 0.0011 |
| x  | 0.4427  | 0.355   | 0.3135 |
| y  | 0.4013  | 0.3486  | 0.3262 |
| CIE R <sub>a</sub>                                   | 90      | 95      | 94     |
| CIE R <sub>g</sub>                                   | 44      | 82      | 72     |

COLOR VECTOR GRAPHIC  
4600K, 90+ CRI

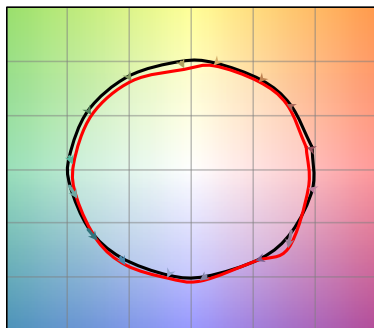


— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC  
4600K, 90+ CRI

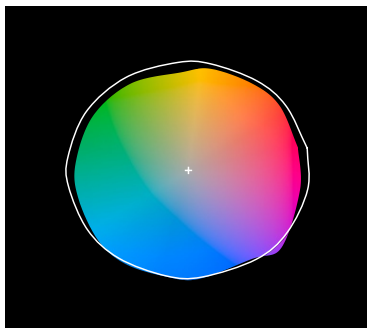


COLOR VECTOR GRAPHIC  
6500K, 90+ CRI



— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC  
6500K, 90+ CRI



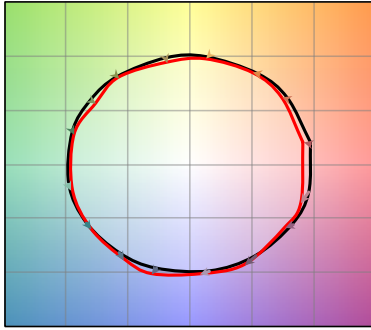
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## TM-30 DATA CONTINUED

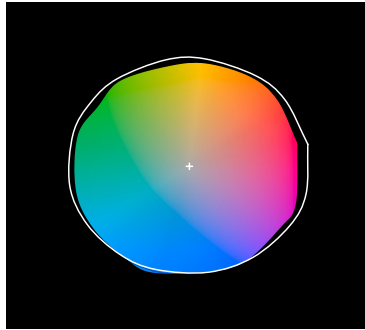
### SPECTRASYNCTM DIM TO WARM (2230TD)

COLOR VECTOR GRAPHIC  
3000K, 90+ CRI @ 100%

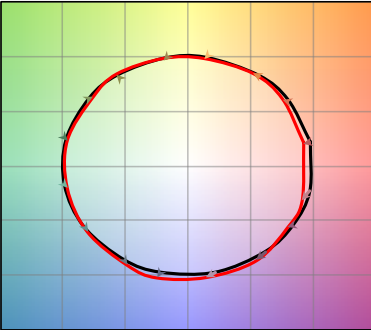


— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC  
3000K, 90+ CRI @ 100%

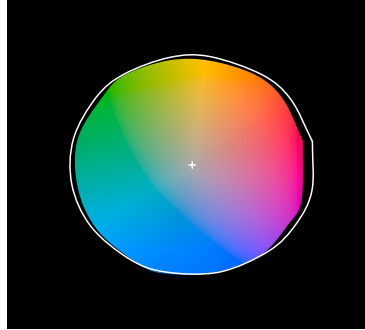


COLOR VECTOR GRAPHIC  
2600K, 90 CRI @ 50% DIM

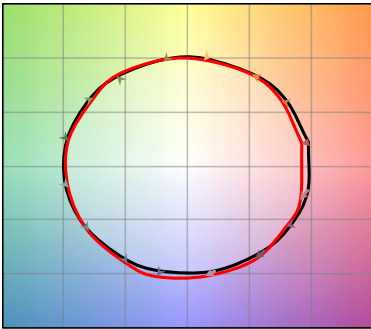


— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC  
2600K, 90 CRI @ 50% DIM

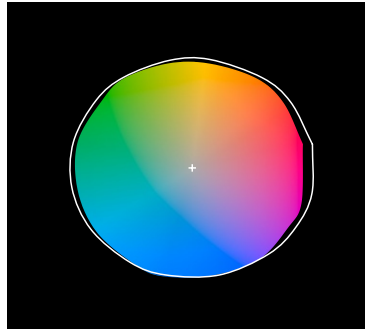


COLOR VECTOR GRAPHIC  
2200K, 90 CRI @ 5% DIM



Reference Illuminant Test Source

COLOR DISTORTION GRAPHIC  
2200K, 90 CRI @ 5% DIM



TEST RESULTS - DIM TO WARM @ 3 DIMMING LEVELS

| Value              | 100%    | 50% Dim | 5% Dim  |
|--------------------|---------|---------|---------|
| Luminous Flux (lm) | 1198    | 662     | 52      |
| Wattage (W)        | 23.07   | 12.14   | 2.43    |
| Efficacy (lm/W)    | 52      | 55      | 21      |
| R <sub>f</sub>     | 89      | 91      | 91      |
| R <sub>g</sub>     | 97      | 99      | 99      |
| CCT (K)            | 3212    | 2642    | 2210    |
| D <sub>uv</sub>    | -0.0019 | -0.0020 | -0.0008 |
| x                  | 0.4201  | 0.4609  | 0.5035  |
| y                  | 0.3936  | 0.4058  | 0.4145  |
| CIE R <sub>a</sub> | 91      | 93      | 92      |
| CIE R <sub>g</sub> | 49      | 59      | 58      |



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## ELECTRICAL DATA

| DRIVER DATA                        |           |
|------------------------------------|-----------|
| Input Voltage                      | 120-277 V |
| Input Frequency                    | 50/60 Hz  |
| Power Factor                       | ≥0.90     |
| THD                                | <20%      |
| EMI Filtering (FCC 47 CFR Part 15) | Class A   |

## ADDITIONAL INFORMATION

### Central Inverters

For full fixture output in back-up mode, we recommend you visit [currentlighting.com/dual-lite](http://currentlighting.com/dual-lite) for your Central Lighting Inverter options. Please contact your local Current representative for any assistance with proper sizing and loading of your inverter selection. Central lighting inverters must be ordered separately.

### Lumen Output in Emergency Mode

To determine the lumen output in emergency mode multiply the battery pack wattage by the fixture lumens per watt (LPW). For example, 7W x 120 LPW = 840 lumens in emergency mode.