

LTR-6RW Open SpectraSync

LITEISTRY 6" ROUND OPEN WALL WASH (WW/DWW/CWW)
WITH COLOR TUNING

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

FEATURES

- 6" architectural LED wall wash delivering 600–3000 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



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

ELECTRICAL (CONTINUED)

- 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

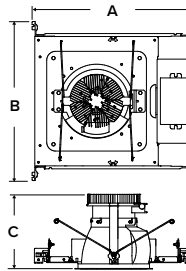
INSTALLATION

- Accommodates ceiling thickness up to 2" (WW/DWW); up to 1.25" (CWW) (See DIMENSIONS section for details)
- 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/driver fully serviceable from above or below the ceiling

CERTIFICATIONS

- cCSAus certified to UL 1598
- Suitable for damp locations

LITEISTRY™



| Typical Dimensions and Weights | | | | |
|--------------------------------|------------------------|-----------------------|------------------------|-----------------|
| Lumen Package | "A" Length Inches (mm) | "B" Width Inches (mm) | "C" Height Inches (mm) | Weight lbs (kg) |
| 06L - 15L | 14.56 (370) | 14.36 (365) | 5.9 (150) | 7.8 (3.5) |
| 20L - 30L | 14.56 (370) | 14.36 (365) | 6.68 (170) | 8.2 (3.7) |

See DIMENSIONS section for complete details

CERTIFICATIONS (CONTINUED)

- EMR: Certified under UL 924 standard for emergency lighting and power equipment
- EMR: Emergency battery packs are California Energy Commission (CEC) Title 20 Compliant
- When used with CE Bezel Trim Accessories: IP66/ IP69K rating; also meets IK10 per IEC 60068-2-75 impact testing
- 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 | 600-3000 |
| Wattage Range | 10-49 |
| Efficacy Range (LPW) | 57* |
| Reported Life (Hours) | L70 / >60,000 |
| Input Current (mA) | 83-408 (120V) |

*Based on Specular, 30K, 90 CRI

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ORDERING GUIDE

Example: LTR-6RD-H-SL10L-DMTW-LTR-6RW-T-SL2230TD9WW-S

CATALOG #

HOUSING

| LTR-6RD-H | | | | | | | |
|-------------------------|--|---------------|----------------|--------------|--|---|--|
| Aperture/Shape/Function | | Lumen Package | | Lumen Output | | Driver Options | |
| LTR-6RD-H | 6" Round Downlight/WW/DWW Wall Wash New Construction Housing | SL | Standard Lumen | 06L | 600 | DMTW | SpectraSync™ Dim to Warm, 0-10V Dimming to 5% ¹ |
| | | | | 10L | 1000 | | |
| | | ML | Medium Lumen | 15L | 1500 | | |
| | | | | 20L | 2000 | | |
| HL | High Lumen | 25L | 2500 | DMT | SpectraSync™ Tunable White, 0-10V Dimming to 5% ² | | |
| | | 30L | 3000 | | | | |
| | | | | | | Control Options | |
| | | | | | | Voltage | |
| | | | | | | Housing Options | |
| | | | | | | Standard 120-277V | |
| | | | | | | NX Lighting Controls | |
| | | | | | | Networked Wireless | |
| | | | | | | NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor | |
| | | | | | | Networked Wired | |
| | | | | | | NXE NX Wired Dual RJ45 SmartPORTS, without Sensor | |
| | | | | | | CP Chicago Plenum ^{7,8,9} | |
| | | | | | | IC IC rated ^{7,8,9} | |
| | | | | | | EMR 7W Emergency Battery Pack (CEC Title 20 Compliant) with remote test switch and indicator light ^{7,9} | |
| | | | | | | F Fuse ⁷ | |
| | | | | | | BAA Buy American Act (FAR 52.225-9) Compliant | |
| | | | | | | TAA Trade Agreements Act (FAR 52.225-11) Compliant | |

TRIM

| LTR-6RW-T | | | | | | | | | |
|-------------------------|---|---------------|----------------|--------|--|-----|--------|--------------|-------------------------------|
| Aperture/Shape/Function | | Lumen Package | | CCT | | CRI | | Distribution | |
| LTR-6RW-T | 6" Round Wall Wash Light Engine/Trim Assembly | SL | Standard Lumen | 2230TD | 2200K-3000K SpectraSync™ Dim to Warm | 9 | 90+CRI | WW | Single Wall Wash |
| | | ML | Medium Lumen | 2750T | 2700K-5000K SpectraSync™ Tunable White | | | DWW | Double Wall Wash |
| | | HL | High Lumen | 2765T | 2700K-6500K SpectraSync™ Tunable White | | | CWW | Corner Wall Wash ⁶ |
| | | | | | | | | | |

TRIM CONTINUED

| Reflector Finish | | Reflector Color | | Flange Color Options | | Lower Trim Options | | Reflector Options | |
|---|-----------------|-----------------------|-------------------------------|---|---------------------------|--|--|--|--|
| <i>Finish not applicable with painted reflectors (WC or BC)</i> | | <i>Standard Clear</i> | | <i>Standard matches reflector color</i> | | FM Flush Mount Mud-in Ring ³ | | AM Antimicrobial Coating ⁵ | |
| S | Specular | CG | Champagne Gold | WT | White Flange ⁴ | | | BAA | Buy American Act (FAR 52.225-9) Compliant |
| SS | Semi-Specular | BL | Black | BT | Black Flange ⁴ | | | TAA | Trade Agreements Act (FAR 52.225-11) Compliant |
| MFC | American Matte™ | LW | Light Wheat | | | | | | |
| VS | Softglow® | PW | Pewter | | | | | | |
| VSS | SoftSheen™ | WC | Painted White Cone and Flange | | | | | | |
| | | BC | Painted Black Cone and Flange | | | | | | |

Accessories

- ☐ **B24** Set of two (2) 24" bar hangers for T-bar ceilings
- ☐ **B6** Set of two bar hangers for ceiling joist up to 24" centers
- ☐ **FMR6-R** Flush Mount Mud-In Ring, 6" Round
- ☐ **LiteGear** LiteGear® Inverter, 125VA-250VA
- ☐ **LPS Series** LightPower Micro-Inverter, 20VA-55VA
- ☐ **MOR6-R-WH** Metal Oversized Ring, 6" Round, White (10" outside diameter)
- ☐ **MOR6-R-BL** Metal Oversized Ring, 6" Round, Black (10" outside diameter)

(See next page for Bezel Trim Accessories for Complex Environments)¹⁰

Notes:

- 1 Must select 2230TD with DMTW driver.
- 2 Must select either 2750T or 2765T with DMT driver.
- 3 Flush Mount Flange (FM) requires FMR accessory (sold separately).
- 4 WT not needed for WC, BT not needed for BC.
- 5 AM available with WC or Specular Clear (S or SWT). Consult factory for other colors.
- 6 CWW must use LTR-6RCW-H housing.
- 7 Housing options (except Fuse, BAA/TAA) not available in combination.
- 8 IC, CP available in 06L.
- 9 Not available with Control options.
- 10 See next page for option restrictions when using with bezel trim accessories.

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ACCESSORIES CONTINUED

Bezel Trim Accessories ^{1,2,3,4}

For more demanding environments, LITEISTRY™ offers bezel trim accessories that can be field installed onto standard housing/trim assemblies and are available with antimicrobial trim finish and/or vandal resistant hardware options.

FEATURES:

- Marine grade die cast aluminum bezel trim with low-copper alloy for durability
- Shatter resistant, 1/4" clear polycarbonate lens, completely flush for easy wipe down
- Closed cell silicone gasket protects against dust and water ingress
- Suitable for wet locations, covered ceiling
- IP66/IP69K rated (room side) when properly installed per installation instructions
- Meets IK10 per IEC 60068-2-75 impact testing
- Optional anti-microbial (AM) trim finish



Complex Environment (Includes stainless steel Philips head screws)

- ☐ LTR-6RD-CE-WT Bezel Trim Accessory, IP66/IP69K, 6" Round, White
- ☐ LTR-6RD-CE-WTAM Bezel Trim Accessory, IP66/IP69K, 6" Round, White Antimicrobial

Vandal Resistant (Includes stainless steel Torx® screws with tamper resistant center pin reject)

- ☐ LTR-6RD-CEVR-WT Bezel Trim Accessory, Vandal Resistant/IP66/IP69K, 6" Round, White
- ☐ LTR-6RD-CEVR-WTAM Bezel Trim Accessory, Vandal Resistant/IP66/IP69K, 6" Round, White Antimicrobial

| Dimensional Data | |
|-------------------|-------------------------------------|
| Aperture Opening | Ø 5.75" (146.1 mm) |
| Overall Flange | Ø 9.42" (293.3 mm) |
| Trim Height | 0.42" (10.7 mm) |
| Ceiling Cutout | Ø 8.25" (209.6 mm) |
| Ceiling Thickness | 0.50" to 2.00" (12.7 mm to 50.8 mm) |

Notes:

- 1 Available up to 4000 Max Lumens.
- 2 Not available in combination with FM option.
- 3 Not available in combination with FMR or LTR-MOR accessories.
- 4 Refer to all Installation Instructions for complete details.

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 | ✓ | ✓ | ✓ | - | - | ✓ | ✓ | ✓ ¹ | | 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

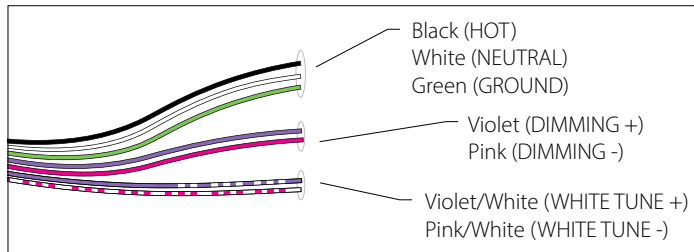
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



| 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 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 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.

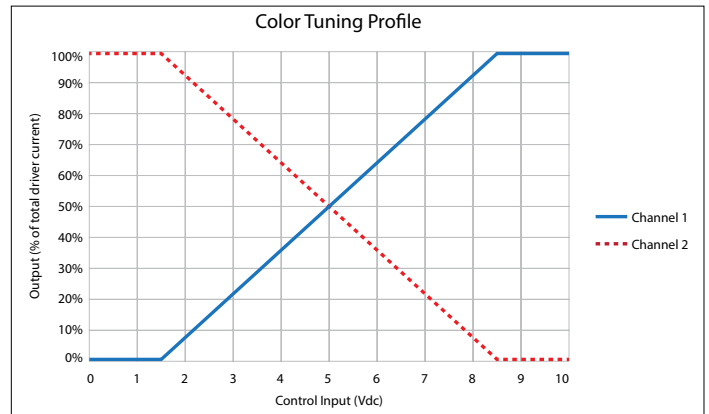


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and pink/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

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



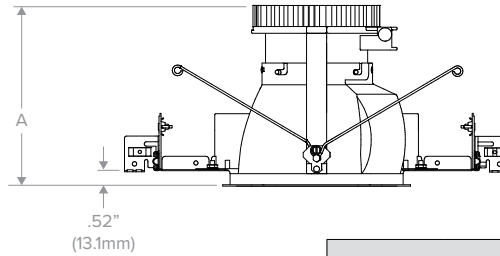
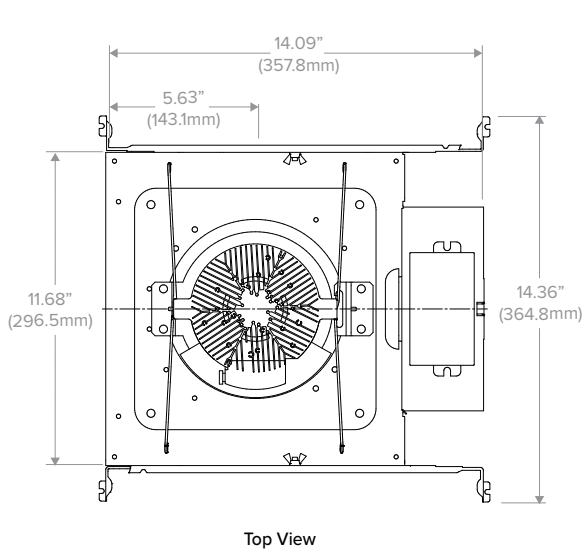
To enable scheduling and for use with NX wall control preset stations please refer to SpectraSync technical sheet.

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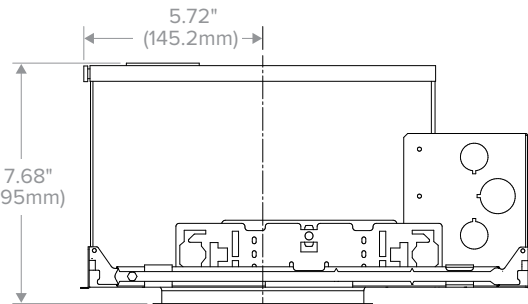
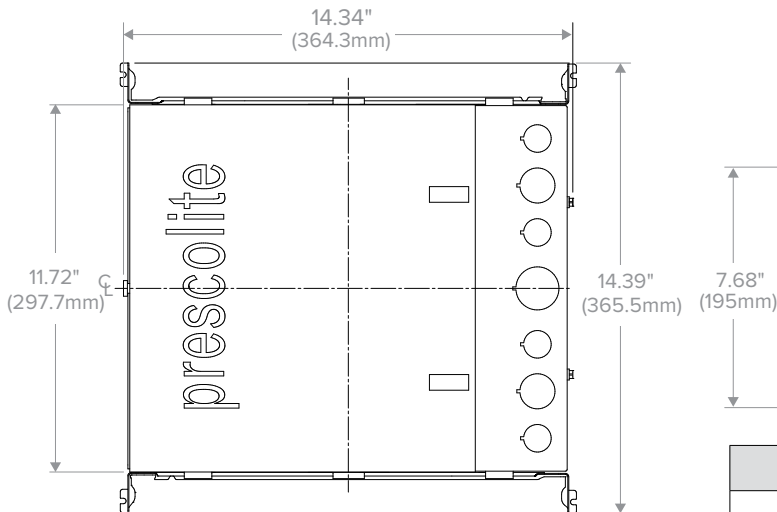
DIMENSIONS



| Lumen Package | "A" |
|---------------|-----------------|
| 06L-10L | 5.90" (149.9mm) |
| 15L-20L | 7.86" (199.6mm) |
| 25L-30L | 9.04" (229.6mm) |

| Dimensional Data | | |
|--------------------|---|-------------------------------------|
| Aperture | | 5.75" (146.1mm) |
| Flange: | Standard | 7.00" (177.8mm) |
| | Flush Mount | 6.54" (166.0mm) |
| | With Bezel Trim Accessory** | Ø 9.42" (293.3 mm) |
| Ceiling Cutout: | Standard | 6.50" (165.1mm) |
| | Flush Mount | 6.75" (171.5mm) |
| | With Bezel Trim Accessory** | Ø 8.25" (209.6 mm) |
| 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) | |
| | With Bezel Trim Accessory** | 0.50" to 2.00" (12.7 mm to 50.8 mm) |

LTR-6RW-H New Construction



** For complete details on Bezel Trim Accessories, see Accessory section on Page 3 and Bezel Trim Installation Instructions on currentlighting.com/prescolite.

| Dimensional Data | | |
|--------------------|-------------|-----------------------------------|
| Aperture | | 5.75" (146.1mm) |
| Flange: | Standard | 7.00" (177.8mm) |
| | Flush Mount | 6.54" (166.0mm) |
| Ceiling Cutout: | Standard | 6.50" (165.1mm) |
| | Flush Mount | 6.75" (171.5mm) |
| 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-6RW-H-IC/CP

LTR-6RW Open SpectraSync

LITEISTRY 6" ROUND OPEN WALL WASH (WW/DWW/CWW)
WITH COLOR TUNING

PHOTOMETRY

LTR-6RD-H-ML20L-DMTW / LTR-6RW-T-ML2230TD9WWS

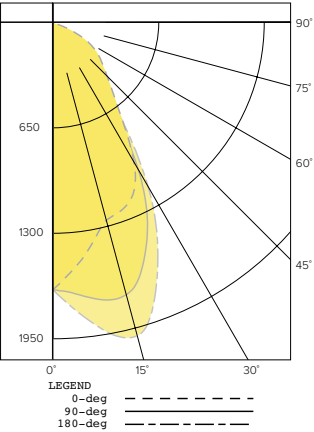
LUMINAIRE DATA

| | |
|------------------|---|
| Test No. | R19.00862-20 |
| Description | Single Wall Wash, 2000 lm, 3000K, 90 CRI |
| Delivered Lumens | 2017 |
| Watts | 35.3W |
| Efficacy | 57.0 |
| Mounting | Recessed |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40 | 1680 | 83.3 |
| 0-60 | 2015 | 96.9 |
| 0-90 | 2017 | 100.0 |
| 0-180 | 2017 | 100.0 |

POLAR GRAPH



CANDELA DISTRIBUTION

| Degree | Candela |
|--------|---------|
| 0 | 1620 |
| 5 | 1495 |
| 15 | 1243 |
| 25 | 1150 |
| 35 | 755 |
| 45 | 474 |
| 55 | 341 |
| 65 | 193 |
| 75 | 57 |
| 85 | 6 |
| 90 | 0 |

LUMINANCE DATA*

| Vertical Angle | Average |
|----------------|---------|
| 45° | 40013 |
| 55° | 35478 |
| 65° | 27294 |
| 75° | 13034 |
| 85° | 4370 |

*Candela/Square Meter

LTR-6RW Open SpectraSync

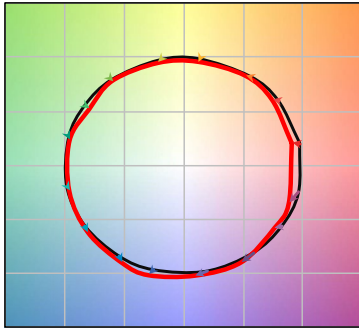
LITEISTRY 6" ROUND OPEN WALL WASH (WW/DWW/CWW)

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TM-30 DATA

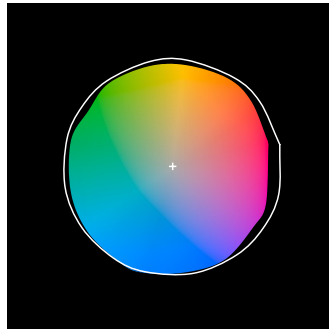
SPECTRASYNCTM TUNABLE WHITE (2765T)

COLOR VECTOR GRAPHIC
2700K, 90+ CRI



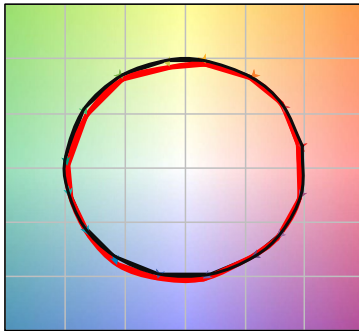
— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
2700K, 90+ CRI



| TEST RESULTS - TUNABLE WHITE @ 1500 LUMENS (NOMINAL) | | | |
|--|---------|---------|--------|
| Value | 2700K | 4600K | 6500K |
| Luminous Flux (lm) | 1407 | 1604 | 1660 |
| Wattage (W) | 23.9 | 24.3 | 24.6 |
| Efficacy (lm/W) | 59 | 66 | 68 |
| R _t | 90 | 89 | 87 |
| R _g | 97 | 98 | 96 |
| CCT (K) | 2817 | 4588 | 6518 |
| D _{uv} | -0.0013 | -0.0040 | 0.0018 |
| x | 0.4482 | 0.3565 | 0.3131 |
| y | 0.4047 | 0.3531 | 0.3273 |
| CIE R _a | 91 | 95 | 94 |
| CIE R _g | 47 | 81 | 76 |

COLOR VECTOR GRAPHIC
4600K, 90+ CRI

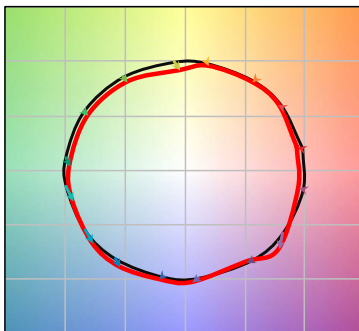


— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
4600K, 90+ CRI



COLOR VECTOR GRAPHIC
6500K, 90+ CRI



— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
6500K, 90+ CRI



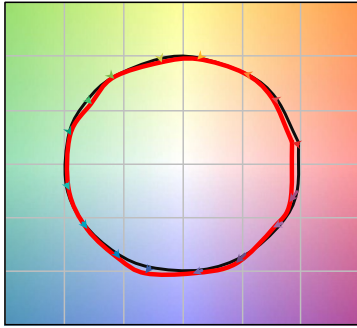
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TM-30 DATA CONTINUED

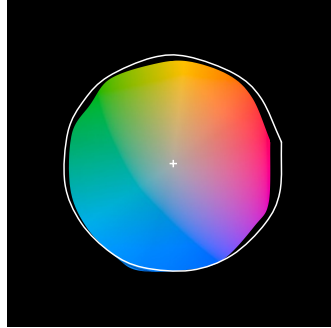
SPECTRASYNCTM DIM TO WARM (2230TD)

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

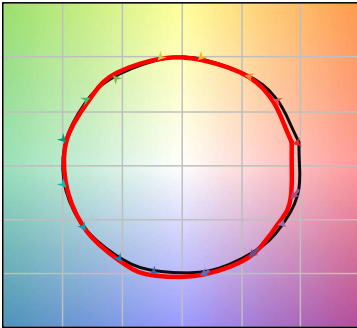


— Reference Illuminant — Test Source

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

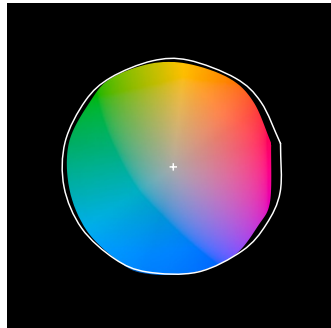


COLOR VECTOR GRAPHIC
2600K, 90 CRI @ 50% DIM

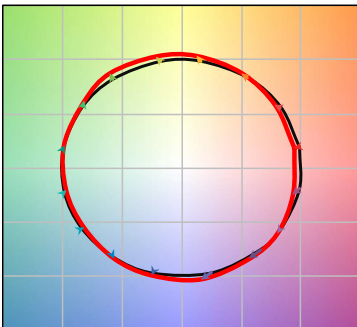


— Reference Illuminant — Test Source

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

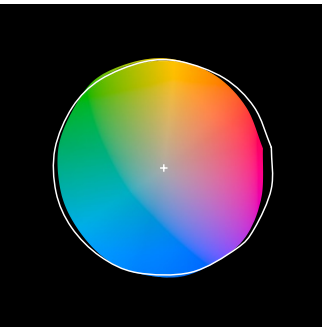


COLOR VECTOR GRAPHIC
2200K, 90 CRI @ 5% DIM



— 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) | 1501 | 772 | 53 |
| Wattage (W) | 24.3 | 14 | 3.4 |
| Efficacy (lm/W) | 62 | 55 | 16 |
| R _r | 90 | 92 | 91 |
| R _g | 97 | 99 | 102 |
| CCT (K) | 3123 | 2590 | 2282 |
| D _{uv} | -0.0017 | -0.0015 | -0.0029 |
| x | 0.4261 | 0.4662 | 0.4907 |
| y | 0.3965 | 0.4082 | 0.4068 |
| CIE R _a | 92 | 93 | 93 |
| CIE R _g | 53 | 60 | 64 |

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LITEISTRY 6" ROUND OPEN WALL WASH (WW/DWW/CWW)
WITH COLOR TUNING

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

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-lit 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.

Bezel Trim Accessories for Complex Environments

See installation instructions on currentlighting.com/prescolite for complete details.

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.