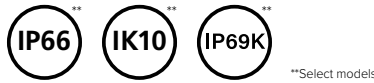


FEATURES

- 6" architectural LED downlight delivering 600 – 9000 lm
- Five beam distributions from 0.3 to 1.1 Spacing Criteria
- Quiet reflector appearance with superior 50° optical cutoff
- 2700K – 5000K, 80+ and 90+ CRI options
- Available for New Construction (non-IC), IC and Chicago Plenum applications
- Variety of dimming protocol options including 0–10V, DALI, DMX, and Lutron EcoSystem
- NX Lighting Controls wired and wireless controls capability available



CONTROLS TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Standard Non-IC, Chicago Plenum and IC options
- 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
- The light distribution is free of distracting bright spots or pixelation and the perimeter has a smooth transition
- Optical grade silicone lens integral to light engine
- 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

- Chip-on-board LED with 2 SDCM
- Multiple CCTs, 80+ or 90+ CRI
- Long LED life: L90 at >55,000 hours (TM-21)
- Universal voltage 120V–277V driver, 347V optional
- UL Class 2, inherent short circuit and overload protection

ELECTRICAL (CONTINUED)

- Flicker free 0-10V dimming with 1% or <1% performance
- DALI, DMX, and Lutron EcoSystem options
- NX Lighting Controls provides options for standalone and networked functionality with wired or wireless connectivity for NX system deployments
- Lutron Athena control options also available
- Integral and remote controller and battery pack options available
- Refer to additional spec sheets for information on SpectraSync™ Tunable White or Dim-to-Warm or solutions

INSTALLATION

- Accommodates ceiling thickness up to 2" (SL, ML, HL); up to 1.25" (VL, XL) (See DIMENSIONS section for details)
- Universal adjustable mounting brackets also accept ½" EMT conduit or 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

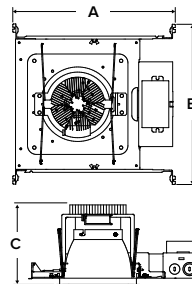
- cCSAus certified to UL 1598
- For ≥70L: Marked spacing required 36" fixture center to center; 36" fixture center to building member; 0.5" above fixture
- Suitable for wet locations, covered ceiling, EM/ EMR: Suitable for damp locations

LITEISTRY™



SERVICE PROGRAMS

tradeSELECT™ QS10



| 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) |
| 35L - 45L | 14.56 (370) | 14.36 (365) | 7.86 (200) | 8.8 (4) |
| 50L - 60L | 14.56 (370) | 14.36 (365) | 9.04 (230) | 9.9 (4.5) |
| 70L - 90L | 14.56 (370) | 15.56 (395) | 11.56 (294) | 10.1 (4.6) |

See DIMENSIONS section for complete details

CERTIFICATIONS (CONTINUED)

- EM/EMR: Certified under UL 924 standard for emergency lighting and power equipment
- EM/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 | 600–9000 |
| Wattage Range | 8–99 |
| Efficacy Range (LPW) | 94–104* |
| Reported Life (Hours) | L90 / >55,000 |
| Input Current (mA) | 65–825 (120V) |

*Based on Specular, 35K, 80 CRI

LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

DATE:

LOCATION:

TYPE:

PROJECT:

CATALOG #:

Gray Shading = Service Program

tradeSELECT®

QS10
Limit of 150 Luminaries

Example: LTR-6RD-H-SL10L-DM1-LTR-6RD-T-SL35K8MD-S

CATALOG #

HOUSING

| LTR-6RD-H | | | | | | |
|---|-----------------------------------|--------------|---|--|---|--|
| Aperture/Shape/Function | Lumen Package | Lumen Output | Driver Options | Control Options | Voltage | Housing Options |
| LTR-6RD-H 6" Round Downlight New Construction Housing | SL Standard Lumen | 06L 600 | DM1 0-10V Dimming to 1% | NX Lighting Controls Networked Wireless NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ³ Networked Wired NXE NX Wired Dual RJ45 SmartPORTS, without Sensor ³ Other Lighting Controls Networked Wireless AWNRLutron Athena Enabled ¹⁵ | Standard 120-277V 34 347V ⁶ | CP Chicago Plenum ^{7,9} |
| | | 10L 1000 | DM01 0-10V Dimming to < 1% ² | | | IC IC rated ^{8,9} |
| | | 15L 1500 | DMX DMX with RDM dimming to < 0.1% ² | | | EM 7W Emergency Battery Pack (CEC Title 20 Compliant) with integral test switch and indicator light ⁹ |
| | ML Medium Lumen | 20L 2000 | DALI DALI Dimming to 1% ² | | | EMR 7W Emergency Battery Pack (CEC Title 20 Compliant) with remote test switch and indicator light ⁹ |
| | | 25L 2500 | EDM Lutron Hi-Lume EcoSystem Dimming to 1% ² | | | DTS Device Transfer Switch with Dimming Bypass ^{9,12} |
| | | 30L 3000 | DM00 Lutron Athena compatible driver ¹⁵ | | | GTD Generator Transfer Device ^{9,16} |
| | HL High Lumen | 35L 3500 | | | | F Fuse ⁹ |
| | | 40L 4000 | | | | BAA Buy American Act (FAR 52.225-9) Compliant |
| | | 45L 4500 | | | | TAA Trade Agreements Act (FAR 52.225-11) Compliant |
| | VL Very High Lumen | 50L 5000 | | | | |
| | | 55L 5500 | | | | |
| | | 60L 6000 | | | | |
| | XL Extra high Lumen ¹¹ | 70L 7000 | | | | |
| | | 80L 8000 | | | | |
| | | 90L 9000 | | | | |

TRIM

| LTR-6RD-T | | | | |
|---|-----------------------------------|------------------------|----------|------------------------------|
| Aperture/Shape/Function | Lumen Package | CCT | CRI | Distribution |
| LTR-6RD-T 6" Round Downlight Light Engine/Trim Assembly | SL Standard Lumen | 27K 2700K | 8 80+CRI | VNR Very Narrow (0.3 SC/18°) |
| | ML Medium Lumen | 30K 3000K | 9 90+CRI | NR Narrow (0.5 SC/29°) |
| | HL High Lumen | 35K 3500K | | MD Medium (0.6 SC/37°) |
| | VL Very High Lumen | 40K 4000K | | WD Wide (0.9 SC/59°) |
| | XL Extra High Lumen ¹¹ | 50K 5000K ¹ | | XW Extra Wide (1.1 SC/76°) |

TRIM CONTINUED

| Reflector Finish | Reflector Color | Flange Color Options | Lower Trim Options | Reflector Options |
|--|----------------------------------|----------------------------------|--|--|
| Finish not applicable with painted reflectors (WC or BC) | Standard Clear | Standard matches reflector color | EM Pre-punched reflector for EM integral test switch and indicator | AM Antimicrobial Coating ⁵ |
| S Specular | CG Champagne Gold | WT White Flange ⁴ | FM Flush Mount Mud-in Ring ¹⁰ | BAA Buy American Act (FAR 52.225-9) Compliant |
| SS Semi-Specular | BL Black | BT Black Flange ⁴ | WF Wide Flange | 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)
- ☐ LTR-SCA6-___ Sloped Ceiling Adapter, 6", White ¹³

(See next page for Bezel Trim Accessories for Complex Environments) ¹⁴

Notes:

- 1 5000K available in 80+ CRI only.
- 2 EDM available in 10L-35L. DMX, DM01, DALI not available on >55L.
- 3 NX requires DM1 driver option, not available on >60L.
- 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 347V available for 06L-30L; requires DM1 driver; not available with Controls, EM, EMR, DTS, GTD or F.
- 7 CP available up to 50L; not available with DMX, Controls, or EMR options.
- 8 IC available up to 20L; not available with Controls options.
- 9 Housing options (except Fuse, BAA/TAA) not available in combination.
- 10 Flush Mount Flange (FM) requires FMR accessory (sold separately).
- 11 XL (70L-90L) require marked spacing. See line art for more details.
- 12 DTS available with DM1, DM01, DALI, or DM00. Not available with NXE.
- 13 Specify slope angle 5°-35° in 5° increments. Not available with EM, WF, or FM options.
- 14 See next page for option restrictions when using with bezel trim accessories.
- 15 DM00 must be selected with AWNRLutron Athena controls option.
- 16 Not available with NXE.

LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

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

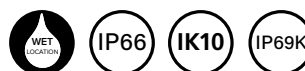
ACCESSORIES CONTINUED

Bezel Trim Accessories

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

| 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 EM, FM, or WF options.
- 3 Not available in combination with FMR, LTR-MOR or LTR-SCA 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

LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

DATE:


LOCATION:

TYPE:

PROJECT:

CATALOG #:

OTHER 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 | | |
| Other | AWNDR | The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system. ¹ | ✓ | ✓ | - | - | - | ✓ | ✓ | - |  | A-WN-D01-RF-WH |

1 Lutron Athena Hub required to enable Networking, Grouping and Scheduling.

PERFORMANCE DATA TABLE

Performance data provided below is for 3500K, 80 CRI with Specular Clear reflector finish/color

| Lumen Package | Nominal Lumens | Distribution | Delivered Lumens | Watts | LPW |
|---------------|----------------|--------------|------------------|-------|-----|
| 06L | 600 | Very Narrow | 806 | 7.8 | 103 |
| | | Narrow | 717 | 7.8 | 92 |
| | | Medium | 746 | 7.8 | 96 |
| | | Wide | 691 | 7.8 | 89 |
| | | Extra Wide | 665 | 7.8 | 85 |
| 10L | 1000 | Very Narrow | 1288 | 12.0 | 107 |
| | | Narrow | 1146 | 12.0 | 96 |
| | | Medium | 1192 | 12.0 | 99 |
| | | Wide | 1104 | 12.0 | 92 |
| | | Extra Wide | 1063 | 12.0 | 89 |
| 15L | 1500 | Very Narrow | 1851 | 18.7 | 99 |
| | | Narrow | 1623 | 18.7 | 87 |
| | | Medium | 1712 | 18.7 | 92 |
| | | Wide | 1586 | 18.7 | 85 |
| | | Extra Wide | 1527 | 18.7 | 82 |
| 20L | 2000 | Very Narrow | 2355 | 22.6 | 104 |
| | | Narrow | 2263 | 22.7 | 100 |
| | | Medium | 2265 | 22.6 | 100 |
| | | Wide | 2180 | 22.7 | 96 |
| | | Extra Wide | 2139 | 22.7 | 94 |
| 25L | 2500 | Very Narrow | 3093 | 27.7 | 112 |
| | | Narrow | 2751 | 27.7 | 99 |
| | | Medium | 2860 | 27.7 | 103 |
| | | Wide | 2650 | 27.7 | 96 |
| | | Extra Wide | 2551 | 27.7 | 92 |
| 30L | 3000 | Very Narrow | 3686 | 34.3 | 107 |
| | | Narrow | 3278 | 34.3 | 96 |
| | | Medium | 3409 | 34.3 | 99 |
| | | Wide | 3158 | 34.3 | 92 |
| | | Extra Wide | 3040 | 34.3 | 89 |



LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

DATE:

LOCATION:

TYPE:

PROJECT:

CATALOG #:

PERFORMANCE DATA TABLE CONTINUED

Performance data provided below is for 3500K, 80 CRI with Specular Clear reflector finish/color

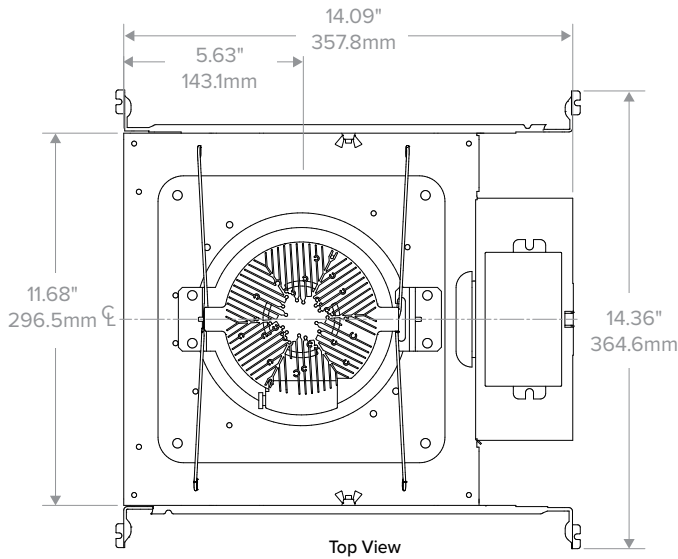
| Lumen Package | Nominal Lumens | Distribution | Delivered Lumens | Watts | LPW |
|---------------|----------------|--------------|------------------|-------|-----|
| 35L | 3500 | Very Narrow | 4477 | 43.0 | 104 |
| | | Narrow | 3942 | 43.0 | 93 |
| | | Medium | 4140 | 43.0 | 96 |
| | | Wide | 3836 | 43.0 | 89 |
| | | Extra Wide | 3693 | 43.0 | 86 |
| 40L | 4000 | Very Narrow | 5117 | 51.6 | 99 |
| | | Narrow | 4552 | 51.6 | 88 |
| | | Medium | 4733 | 51.6 | 92 |
| | | Wide | 4385 | 51.6 | 85 |
| | | Extra Wide | 4221 | 51.6 | 82 |
| 45L | 4500 | Very Narrow | 5371 | 55.1 | 98 |
| | | Narrow | 4775 | 55.1 | 87 |
| | | Medium | 4967 | 55.1 | 90 |
| | | Wide | 4602 | 55.1 | 84 |
| | | Extra Wide | 4430 | 55.1 | 80 |
| 50L | 5000 | Very Narrow | 5740 | 48.7 | 118 |
| | | Narrow | 5105 | 48.7 | 105 |
| | | Medium | 5308 | 48.7 | 109 |
| | | Wide | 4918 | 48.7 | 101 |
| | | Extra Wide | 4734 | 48.7 | 97 |
| 55L | 5500 | Very Narrow | 6365 | 53.9 | 119 |
| | | Narrow | 5662 | 53.9 | 105 |
| | | Medium | 5887 | 53.9 | 109 |
| | | Wide | 5454 | 53.9 | 101 |
| | | Extra Wide | 5250 | 53.9 | 97 |
| 60L | 6000 | Very Narrow | 7090 | 60.7 | 117 |
| | | Narrow | 6299 | 60.7 | 104 |
| | | Medium | 6557 | 60.7 | 108 |
| | | Wide | 6075 | 60.7 | 100 |
| | | Extra Wide | 5848 | 60.7 | 96 |
| 70L | 7000 | Very Narrow | 8266 | 72.1 | 115 |
| | | Narrow | 7353 | 72.1 | 102 |
| | | Medium | 7645 | 72.1 | 106 |
| | | Wide | 7083 | 72.1 | 98 |
| | | Extra Wide | 6819 | 72.1 | 95 |
| 80L | 8000 | Very Narrow | 9301 | 84.3 | 111 |
| | | Narrow | 8273 | 84.3 | 98 |
| | | Medium | 8602 | 84.3 | 102 |
| | | Wide | 7970 | 84.3 | 95 |
| | | Extra Wide | 7672 | 84.3 | 91 |
| 90L | 9000 | Very Narrow | 10549 | 98.1 | 108 |
| | | Narrow | 9383 | 98.1 | 96 |
| | | Medium | 9756 | 98.1 | 99 |
| | | Wide | 9039 | 98.1 | 92 |
| | | Extra Wide | 8701 | 98.1 | 89 |

LTR-6RD

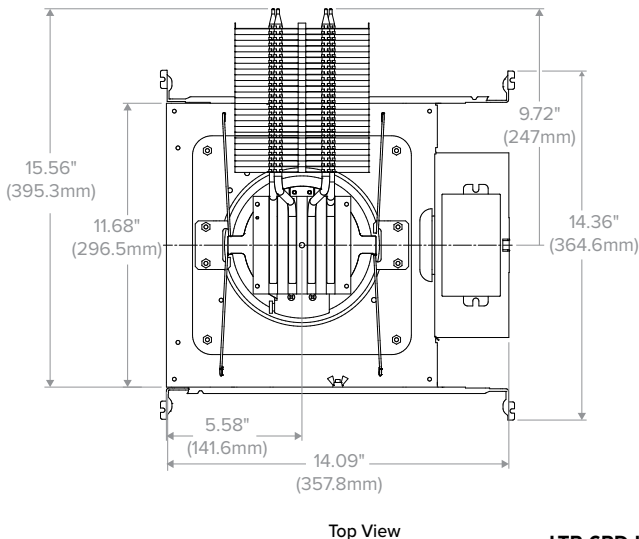
LITEISTRY 6" ROUND DOWNLIGHT

DIMENSIONS

| Lumen Package | "A" |
|---------------|-----------------|
| 06L-15L | 5.90" (149.9mm) |
| 20L-30L | 6.68" (169.7mm) |
| 35L-40L | 7.86" (199.6mm) |
| 50L-60L | 9.04" (229.6mm) |



LTR-6RD-H (06L - 60L) New Construction



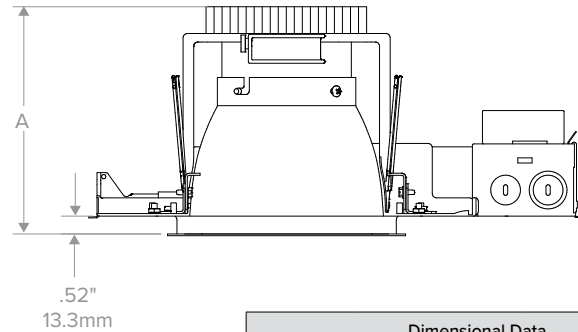
LTR-6RD-H (70L - 90L) New Construction

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

| 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" (239.3 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: | Standard or w/SCA 5-20° slope | 0.50" to 2.00" (12.7mm to 50.8mm) |
| | With SCA 25-35° slope | 0.50" to 1.75" (12.7mm to 44.6mm) |
| | With Bezel Trim Accessory** | 0.50" to 2.00" (12.7 mm to 50.8 mm) |

SCA Sloped Ceiling Adapter accessory available, see LTR-SCA specification sheet and installation instructions for dimensional data and other details.

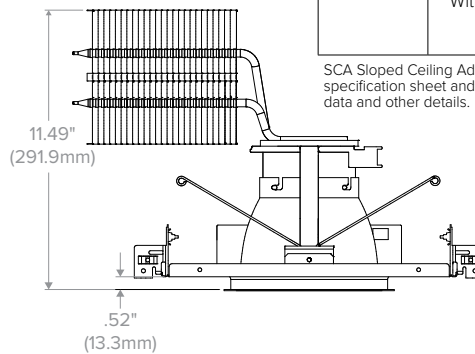
** For complete details on Bezel Trim Accessories, see Accessory section on Page 3 and Bezel Trim Installation Instructions on currentlighting.com/prescolite.



| 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: | Standard or w/SCA 5-20° slope | 0.50" to 2.00" (12.7mm to 50.8mm) |
| | With SCA 25-35° slope | 0.50" to 1.75" (12.7mm to 44.6mm) |

SCA Sloped Ceiling Adapter accessory available, see LTR-SCA specification sheet and installation instructions for dimensional data and other details.

Marked spacing required:
36" fixture center to center;
36" center to building member;
0.50" above fixture

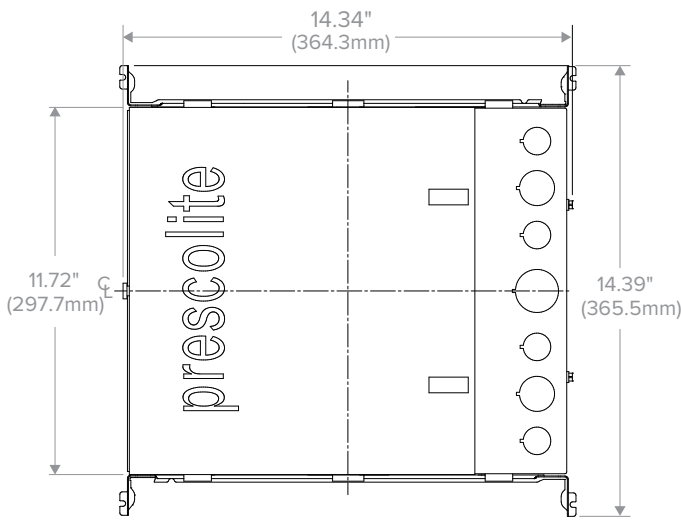


LTR-6RD

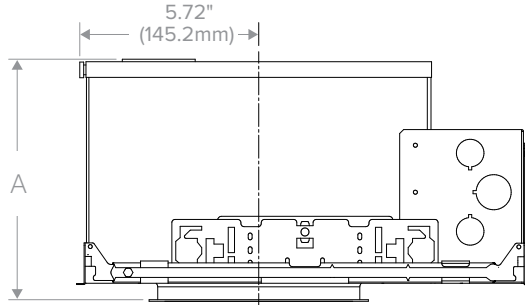
LITEISTRY 6" ROUND DOWNLIGHT

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

DIMENSIONS CONTINUED



LTR-6RD-IC / LTR-6RD-CP



| Lumen Package | "A" |
|----------------|------------------|
| Standard | 7.68" (195.0mm) |
| CP option ≥35L | 10.06" (255.5mm) |

| 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: | Standard or w/SCA 5-20° slope | 0.50" to 2.00" (12.7mm to 50.8mm) |
| | With SCA 25-35° slope | 0.50" to 1.75" (12.7mm to 44.6mm) |

SCA Sloped Ceiling Adapter accessory available, see LTR-SCA specification sheet and installation instructions for dimensional data and other details.

PHOTOMETRY

LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8VNR-S

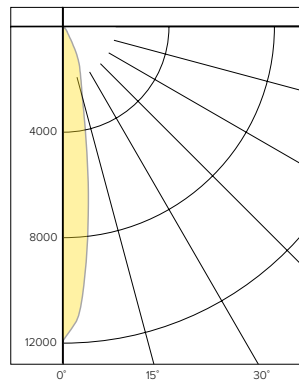
LUMINAIRE DATA

| | |
|-------------------|-------------------------------------|
| Test No. | 19.00588 |
| Description | 2000 lm, Very Narrow, 3500K, 80 CRI |
| Delivered Lumens | 2355 |
| Watts | 22.6W |
| Efficacy | 104.0 |
| Mounting | Recessed |
| Spacing Criterion | 0.3 |
| Beam Angle (FWHM) | 18 |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40 | 2290 | 97.2 |
| 0-60 | 2355 | 100.0 |
| 0-90 | 2355 | 100.0 |
| 0-180 | 2355 | 100.0 |

POLAR GRAPH



CANDELA DISTRIBUTION

| Degree | Candela |
|--------|---------|
| 0 | 11881 |
| 5 | 9399 |
| 15 | 2776 |
| 25 | 1236 |
| 35 | 255 |
| 45 | 74 |
| 55 | 0 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

LUMINANCE DATA*

| Vertical Angle | Average |
|----------------|---------|
| 45° | 6247 |
| 55° | 0 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

*Candela/Square Meter

LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8NR-S

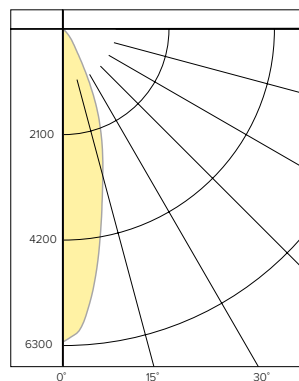
LUMINAIRE DATA

| | |
|-------------------|--------------------------------|
| Test No. | 20.01439 |
| Description | 2000 lm, Narrow, 3500K, 80 CRI |
| Delivered Lumens | 2263 |
| Watts | 22.1W |
| Efficacy | 103.0 |
| Mounting | Recessed |
| Spacing Criterion | 0.5 |
| Beam Angle (FWHM) | 29 |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40 | 2185 | 96.6 |
| 0-60 | 2260 | 99.9 |
| 0-90 | 2263 | 100.0 |
| 0-180 | 2263 | 100.0 |

POLAR GRAPH



CANDELA DISTRIBUTION

| Degree | Candela |
|--------|---------|
| 0 | 6222 |
| 5 | 5603 |
| 15 | 3035 |
| 25 | 1354 |
| 35 | 348 |
| 45 | 83 |
| 55 | 5 |
| 65 | 2 |
| 75 | 1 |
| 85 | 0 |
| 90 | 0 |

LUMINANCE DATA*

| Vertical Angle | Average |
|----------------|---------|
| 45° | 6712 |
| 55° | 498 |
| 65° | 271 |
| 75° | 221 |
| 85° | 0 |

*Candela/Square Meter

LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

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

PHOTOMETRY CONTINUED

LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8MD-S

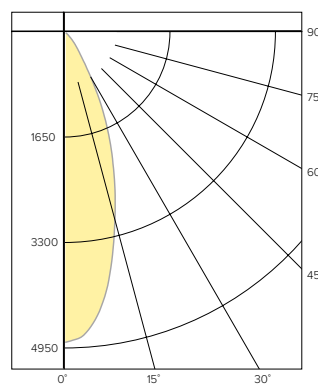
LUMINAIRE DATA

| | |
|-------------------|--------------------------------|
| Test No. | 19.00587 |
| Description | 2000 Im, Medium, 3500K, 80 CRI |
| Delivered Lumens | 2265 |
| Watts | 22.6W |
| Efficacy | 100.0 |
| Mounting | Recessed |
| Spacing Criterion | 0.6 |
| Beam Angle (FWHM) | 37 |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40 | 2171 | 95.9 |
| 0-60 | 2262 | 99.9 |
| 0-90 | 2265 | 100.0 |
| 0-180 | 2265 | 100.0 |

POLAR GRAPH



CANDELA DISTRIBUTION

| Degree | Candela |
|--------|---------|
| 0 | 4851 |
| 5 | 4619 |
| 15 | 3007 |
| 25 | 1450 |
| 35 | 386 |
| 45 | 99 |
| 55 | 6 |
| 65 | 2 |
| 75 | 1 |
| 85 | 0 |
| 90 | 0 |

LUMINANCE DATA*

| Vertical Angle | Average |
|----------------|---------|
| 45° | 8357 |
| 55° | 624 |
| 65° | 282 |
| 75° | 231 |
| 85° | 0 |

*Candela/Square Meter

LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8WD-S

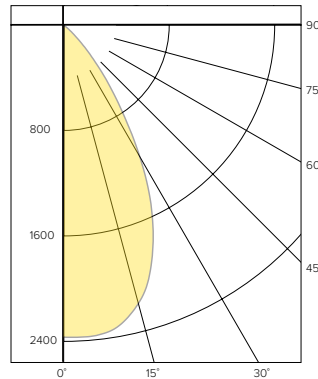
LUMINAIRE DATA

| | |
|-------------------|------------------------------|
| Test No. | 19.00585 |
| Description | 2000 Im, Wide, 3500K, 80 CRI |
| Delivered Lumens | 2180 |
| Watts | 22.6W |
| Efficacy | 96.1 |
| Mounting | Recessed |
| Spacing Criterion | 0.9 |
| Beam Angle (FWHM) | 59 |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40 | 2014 | 92.4 |
| 0-60 | 2176 | 99.8 |
| 0-90 | 2180 | 100.0 |
| 0-180 | 2180 | 100.0 |

POLAR GRAPH



CANDELA DISTRIBUTION

| Degree | Candela |
|--------|---------|
| 0 | 2368 |
| 5 | 2371 |
| 15 | 2189 |
| 25 | 1591 |
| 35 | 726 |
| 45 | 177 |
| 55 | 10 |
| 65 | 3 |
| 75 | 1 |
| 85 | 0 |
| 90 | 0 |

LUMINANCE DATA*

| Vertical Angle | Average |
|----------------|---------|
| 45° | 14942 |
| 55° | 1041 |
| 65° | 424 |
| 75° | 231 |
| 85° | 0 |

*Candela/Square Meter

LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8XW-S

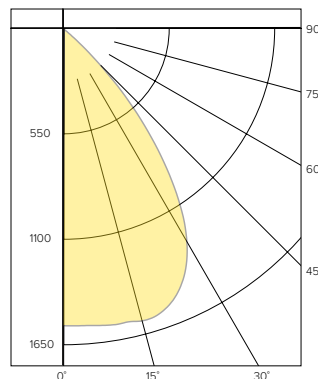
LUMINAIRE DATA

| | |
|-------------------|------------------------------------|
| Test No. | 19.00586 |
| Description | 2000 Im, Extra Wide, 3500K, 80 CRI |
| Delivered Lumens | 2139 |
| Watts | 22.7W |
| Efficacy | 94.4 |
| Mounting | Recessed |
| Spacing Criterion | 1.1 |
| Beam Angle (FWHM) | 76 |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40 | 1875 | 87.7 |
| 0-60 | 2134 | 99.8 |
| 0-90 | 2139 | 100.0 |
| 0-180 | 2139 | 100.0 |

POLAR GRAPH



CANDELA DISTRIBUTION

| Degree | Candela |
|--------|---------|
| 0 | 1547 |
| 5 | 1552 |
| 15 | 1576 |
| 25 | 1461 |
| 35 | 1007 |
| 45 | 301 |
| 55 | 9 |
| 65 | 3 |
| 75 | 1 |
| 85 | 0 |
| 90 | 0 |

LUMINANCE DATA*

| Vertical Angle | Average |
|----------------|---------|
| 45° | 25409 |
| 55° | 937 |
| 65° | 424 |
| 75° | 231 |
| 85° | 0 |

*Candela/Square Meter

PHOTOMETRY CONTINUED

LUMEN MULTIPLIER

| Option | 27K8 | 30K8 | 35K8 | 40K8 | 50K8 | 27K9 | 30K9 | 35K9 | 40K9 |
|------------|------|------|------|------|------|------|------|------|------|
| Multiplier | 0.94 | 0.98 | 1.00 | 1.01 | 1.02 | 0.81 | 0.84 | 0.85 | 0.85 |

Photometrics are published below at a nominal 3500 Kelvin, 80+ CRI. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

REFLECTOR FINISH MULTIPLIER (Based on Clear (Standard) Color)

| Option | Specular (S) | Semi-Specular (SS) | American Matte (MFC) | Softglow (VS) | Softsheen (VSS) |
|------------|--------------|--------------------|----------------------|---------------|-----------------|
| Multiplier | 1 | 1 | 0.984 | 0.888 | 0.938 |

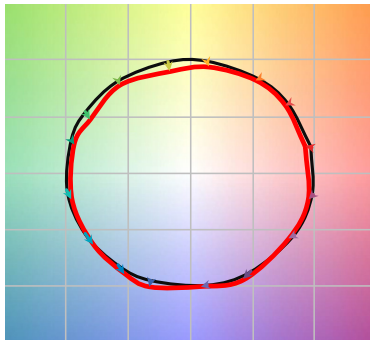
REFLECTOR COLOR MULTIPLIER (Based on Semi-Specular (SS) Finish)

| Option | Clear (Standard) | Champagne Gold (CG) | Black (BL) | Light Wheat (LW) | Pewter (PW) | White Cone (WC) | Black Cone (BC) |
|------------|------------------|---------------------|------------|------------------|-------------|-----------------|-----------------|
| Multiplier | 1 | 0.974 | 0.444 | 0.861 | 0.915 | 0.984 | 0.442 |

Multiply FINISH x COLOR to calculate other reflector finish and color combinations. Example: SoftGlow Pewter (VSPW) = 0.888 (VS) x 0.915 (PW) = 0.813

TM-30 DATA

COLOR VECTOR GRAPHIC
3500K, 90 CRI



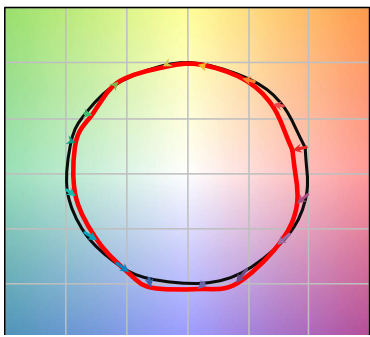
— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
3500K, 90 CRI



| TEST RESULTS - 3500K | | |
|----------------------|---------|---------|
| Value | 80+ CRI | 90+ CRI |
| R _f | 84 | 88 |
| R _g | 95 | 95 |
| CCT (K) | 3411 | 3419 |
| D _{uv} | 0.0015 | 0.0042 |
| x | 0.4120 | 0.4147 |
| y | 0.3974 | 0.4052 |
| CIE R _a | 84 | 93 |
| CIE R _g | 11 | 62 |

COLOR VECTOR GRAPHIC
3500K, 80 CRI



— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
3500K, 80 CRI



ELECTRICAL DATA

| DRIVER DATA | | |
|------------------------------------|-----------|----------|
| Input Voltage | 120-277 V | 347 V |
| Input Frequency | 50/60 Hz | 50/60 Hz |
| Power Factor | ≥0.90 | ≥0.90 |
| THD | <20% | <20% |
| EMI Filtering (FCC 47 CFR Part 15) | Class A | Class A |

* Values for DM1 option shown, values for other dimming options may vary.

ADDITIONAL INFORMATION

Dimming Compatibility

For more details and recommended dimmer list, see Dimming Compatibility Information on currentlighting.com/prescolite.

DMX

See instruction sheet on currentlighting.com/prescolite for connection & installation information.

Central Inverters

For full fixture output in back-up mode, we recommend you visit 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.

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.