lifeshield
Lighting for Complex Spaces

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

# LTR-6RD (VR)

6" ROUND COMPLEX ENVIRONMENT DOWNLIGHT

**VANDAL RESISTANT / BEHAVIORAL**



## FEATURES

- 6" round architectural LED downlight delivering 600–4000 lumens
- Ligature resistant design lessens risk of personal harm from misuse
- Five beam distributions and wall wash allow for controlled illumination that provides security with a non-institutional appearance
- 50° cutoff to source and source image reduces glare to facilitate a calming environment.
- Options for color temperature range from 2700K–5000K in 80+ or 90+ CRI, as well as an option for Amber (590 nm) support a wide array of applications.
- Aluminum anodized reflectors in a wide array of colors and finishes creates a more architectural look in behavioral spaces
- Wet location and IP66/IP69K ingress protection ratings allow for use in wet environments, including exterior covered ceilings and canopies.
- Durable, marine grade, die cast aluminum bezel trim (low-copper alloy) withstands impact, weathering. Optional tamper resistant fasteners avoids unauthorized entry
- Flush, shatter resistant, .250" thick polycarbonate lens meets IK10 (per IEC 60068-2-75 impact testing) making it ideal for behavioral and vandal resistant applications

C SP US · WET LOCATION · NSF2 · IP66 · IP69K · IK10 · ISO 3 · UL924 · IC · CCEA · BAA · TAA

(-BAA Option) (-TAA Option)

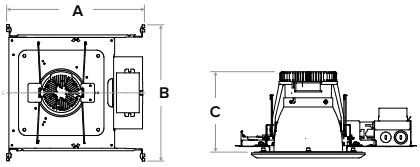
MIL461G, IEC AVAILABLE ON LTR 6RD (SR)

## CONTROLS TECHNOLOGY

NX WIRELESS · NX WIRED

### 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 - 40L | 14.56 (370) | 14.36 (365) | 7.86 (200) | 8.8 (4) |

See DIMENSIONS section for complete details

## SPECIFICATIONS

### CONSTRUCTION

- Corrosion resistant, marine grade (low copper alloy), die cast aluminum bezel trim, Tamper Resistant hardware as option
- Flush, impact resistant .250" thick, clear polycarbonate lens supports IK10 certification, deters unauthorized entry
- Closed cell silicone gasket prevents dust and water ingress for IP66, IP69K, ISO3 certification
- Non-IC standard, Chicago Plenum and IC options
- Steel platform with black finish and pre-installed bar hangers simplify installation
- Pre-wired junction box with snap-on covers provide easy wiring access
- Snap-in quick connectors simplify electrical connections to the driver compartment
- 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 is integral to the light engine to ensure precise beam control
- High purity aluminum reflector enables reliable and consistent finish and color
- Large selection of anodized inner reflector finishes and colors as well as painted cone options
- White painted bezel trim finish, antimicrobial white paint as option

### 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
- Flicker free 0–10V dimming with 1% or <1% performance
- DALI and Lutron EcoSystem options
- NX Lighting Controls provides options for standalone and networked functionality with wired or wireless connectivity for NX system deployments
- Battery pack with remote test switch and indicator available

### INSTALLATION

- Accommodates ceiling thickness up to 2" (See DIMENSIONS section for details)
- Universal adjustable mounting brackets also accept 0.5" EMT conduit or 1.5" or 0.75" lathing channel (by others) or Prescolite accessory bar hangers (B24 or B6)
- Light Engine/Driver fully serviceable from above or below the ceiling

### CERTIFICATIONS

- CSA certified, UL1598
- Suitable for wet location (under covered ceiling), IP66 and IP69K rated.
- ISO3 certified per ISO 14644-1:2015 ISO class 3 standards

### CERTIFICATIONS (CONTINUED)

- NSF2 Non-Food Zone certified
- EMR: Certified under UL 924 standard for emergency lighting and power equipment
- EMR: Emergency battery packs are California Energy Commission (CEC) Title 20 Compliant
- 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 | 600–4000 |
| Wattage Range | 8–52 |
| Efficacy Range (LPW) | 62–89* |
| Reported Life (Hours) | L90 / >55,000 |
| Input Current (mA) | 66–434 (120V) |

*Based on 35K, 80 CRI




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**VANDAL RESISTANT / BEHAVIORAL**

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Gray Shading = Service Program tradeSELECT® QS10 Limit of 150 Luminaries

## ORDERING GUIDE

**Example:** LTR-6RD-H-SL10L-DM1 / LTR-6RD-T-SL35K8MD-SS / LTR-6RD-CEVR-WTAM

CATALOG # _____

### HOUSING

LTR-6RD-H –

| Aperture/Shape/Function | |
|---|---|
| **LTR-6RD-H** | 6" Round Downlight New Construction Housing |

| Lumen Package | | Lumen Output | |
|---|---|---|---|
| **SL** | Standard Lumen | **06L** | 600 |
| | | **10L** | 1000 |
| | | **15L** | 1500 |
| **ML** | Medium Lumen | **20L** | 2000 |
| | | **25L** | 2500 |
| | | **30L** | 3000 |
| **HL** | High Lumen | **35L** | 3500 |
| | | **40L** | 4000 |

| Driver Options | |
|---|---|
| **DM1** | 0–10V Dimming to 1% |
| **DM01** | 0–10V Dimming to < 1% [2] |
| **DALI** | DALI Dimming to 1% [2] |
| **EDM** | Lutron Hi-Lume EcoSystem Dimming to 1% [2] |

| Control Options | |
|---|---|
| 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] |

| Voltage | |
|---|---|
| *Standard 120–277V* | |
| **34** | 347V [4] |

| Housing Options | |
|---|---|
| **CP** | Chicago Plenum [5,7] |
| **IC** | IC rated [6,7] |
| **EMR** | 7W Emergency Battery Pack (CEC Title 20 Compliant) with remote test switch and indicator light [7] |
| **DTS** | Device Transfer Switch with Dimming Bypass [7,8] |
| **GTD** | Generator Transfer Device [7,11] |
| **F** | Fuse [7] |
| **BAA** | Buy American Act (FAR 52.225-9) Compliant |
| **TAA** | Trade Agreements Act (FAR 52.225-11) Compliant |

### TRIM

| Aperture/Shape/Function | |
|---|---|
| **LTR-6RD-T** | 6" Round Downlight Light Engine/ Trim Assembly |
| **LTR-6RW-T** | 6" Round Wall Wash Light Engine/Trim Assembly [9] |

| Lumen Package | |
|---|---|
| **SL** | Standard Lumen |
| **ML** | Medium Lumen |
| **HL** | High Lumen |

| CCT | |
|---|---|
| **27K** | 2700K |
| **30K** | 3000K |
| **35K** | 3500K |
| **40K** | 4000K |
| **50K** | 5000K [1] |
| **AMB** | Amber |

| CRI | |
|---|---|
| **8** | 80+CRI |
| **9** | 90+CRI |

| Distribution | |
|---|---|
| **VNR** | Very Narrow (0.3 SC/20°) [10] |
| **NR** | Narrow (0.5 SC/30°) |
| **MD** | Medium (0.7 SC/40°) |
| **WD** | Wide (0.9 SC/59°) |
| **XW** | Extra Wide (1.1 SC/74°) |
| **WW** | Single Wall Wash [9] |

### TRIM CONTINUED

| Reflector Finish | |
|---|---|
| *Finish not applicable with painted reflectors (WC or BC)* | |
| **S** | Specular |
| **SS** | Semi-Specular |
| **MFC** | American Matte™ |
| **VS** | Softglow® |
| **VSS** | SoftSheen™ |

| Reflector Color | |
|---|---|
| *Standard Clear* | |
| **CG** | Champagne Gold |
| **BL** | Black |
| **LW** | Light Wheat |
| **PW** | Pewter |
| **WC** | Painted White Cone and Flange |
| **BC** | Painted Black Cone and Flange |

| Reflector Options | |
|---|---|
| **BAA** | Buy American Act (FAR 52.225-9) Compliant |
| **TAA** | Trade Agreements Act (FAR 52.225-11) Compliant |

Notes:
1 5000K available in 80+ CRI only.
2 EDM available in 10L–35L.
3 NX requires DM1 driver option.
4 347V requires DM1 driver option; available 06L–30L; not available with Controls, F, GTD, DTS, EMR.
5 CP not available with Controls, or EMR options.
6 IC available up to 20L; not available with Controls options.
7 Housing options (except Fuse, BAA/TAA) not available in combination.
8 DTS available with DM1, DM01, or DALI. Not available with NXE.
9 Wall wash trim requires WW distribution option.
10 AMB not available with VNR.
11 Not available with NXE.

### BEZEL

| Bezel Type | |
|---|---|
| **LTR-6RD-CE** | 6" Round Bezel Trim Assembly with Clear Polycarbonate Lens, Stainless Steel Philips Head Screws (included) |
| **LTR-6RD-CEVR** | 6" Round Bezel Trim Assembly with Clear Polycarbonate Lens, Stainless steel tamper resistant Torx® center pin reject (included) |

| Bezel Trim Color | |
|---|---|
| **WT** | White |
| **WTAM** | White Antimicrobial |

| Options | |
|---|---|
| **BAA** | Buy American Act (FAR 52.225-9) Compliant |
| **TAA** | Trade Agreements Act (FAR 52.225-11) Compliant |

| 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 |
| ☐ **LiteGear** | LiteGear® Inverter, 25VA–250VA |
| ☐ **LPS Series** | LightPower Micro-Inverter, 20VA–55VA |


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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 | ✓ | ✓ | ✓ | – | – | ✓ | ✓ | ✓[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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## PERFORMANCE DATA TABLE (3500K, 80CRI)

| Lumen Package | Nominal Lumens | Distribution | Delivered Lumens | Watts | LPW |
|---|---|---|---|---|---|
| 06L | 600 | Very Narrow | 625 | 7.8 | 80 |
| | | Narrow | 605 | 7.8 | 78 |
| | | Medium | 624 | 7.8 | 80 |
| | | Wide | 545 | 7.8 | 70 |
| | | Extra Wide | 590 | 7.8 | 76 |
| | | Wall Wash | 508 | 7.8 | 65 |
| 10L | 1000 | Very Narrow | 999 | 12.0 | 83 |
| | | Narrow | 967 | 12.0 | 81 |
| | | Medium | 997 | 12.0 | 83 |
| | | Wide | 871 | 12.0 | 73 |
| | | Extra Wide | 942 | 12.0 | 79 |
| | | Wall Wash | 812 | 12.0 | 68 |
| 15L | 1500 | Very Narrow | 1435 | 18.7 | 77 |
| | | Narrow | 1390 | 18.7 | 74 |
| | | Medium | 1432 | 18.7 | 77 |
| | | Wide | 1251 | 18.7 | 67 |
| | | Extra Wide | 1354 | 18.7 | 72 |
| | | Wall Wash | 1166 | 18.7 | 62 |
| 20L | 2000 | Very Narrow | 1973 | 22.2 | 89 |
| | | Narrow | 1910 | 22.2 | 86 |
| | | Medium | 1969 | 22.2 | 89 |
| | | Wide | 1720 | 22.2 | 77 |
| | | Extra Wide | 1861 | 22.2 | 84 |
| | | Wall Wash | 1603 | 22.2 | 72 |
| 25L | 2500 | Very Narrow | 2398 | 27.7 | 87 |
| | | Narrow | 2322 | 27.7 | 84 |
| | | Medium | 2394 | 27.7 | 86 |
| | | Wide | 2091 | 27.7 | 75 |
| | | Extra Wide | 2262 | 27.7 | 82 |
| | | Wall Wash | 1949 | 27.7 | 70 |
| 30L | 3000 | Very Narrow | 2858 | 34.3 | 83 |
| | | Narrow | 2767 | 34.3 | 81 |
| | | Medium | 2852 | 34.3 | 83 |
| | | Wide | 2492 | 34.3 | 73 |
| | | Extra Wide | 2696 | 34.3 | 79 |
| | | Wall Wash | 2322 | 34.3 | 68 |
| 35L | 3500 | Very Narrow | 3472 | 43.0 | 81 |
| | | Narrow | 3361 | 43.0 | 78 |
| | | Medium | 3465 | 43.0 | 81 |
| | | Wide | 3027 | 43.0 | 70 |
| | | Extra Wide | 3275 | 43.0 | 76 |
| | | Wall Wash | 2821 | 43.0 | 66 |
| 40L | 4000 | Very Narrow | 3969 | 51.6 | 77 |
| | | Narrow | 3842 | 51.6 | 74 |
| | | Medium | 3961 | 51.6 | 77 |
| | | Wide | 3460 | 51.6 | 67 |
| | | Extra Wide | 3743 | 51.6 | 73 |
| | | Wall Wash | 3224 | 51.6 | 62 |



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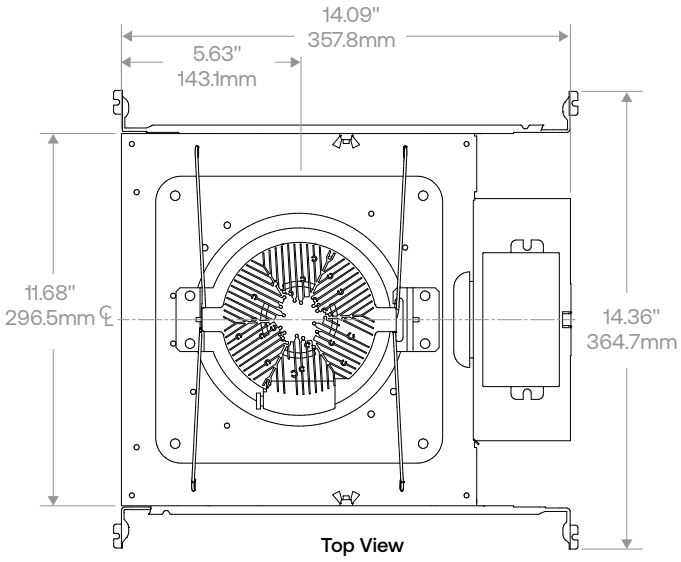
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| | |
|---|---|
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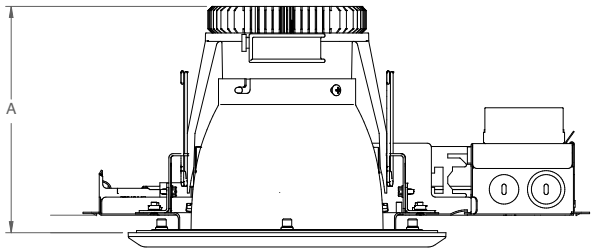
6" ROUND COMPLEX ENVIRONMENT DOWNLIGHT
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## DIMENSIONS



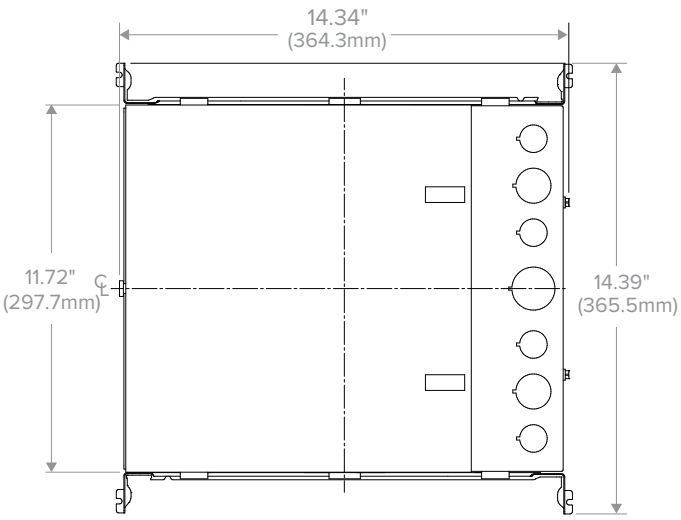

Top View

**LTR-6RD-H New Construction**

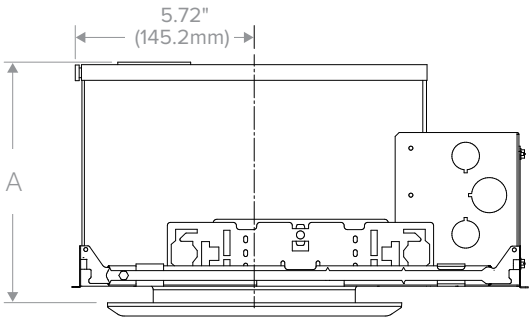



| Dimensional Data | |
|---|---|
| Aperture Opening | Ø 5.75" (146.1 mm) |
| Overall Flange | Ø 9.42" (293.3 mm) |
| Bezel (below ceiling) | 0.42" (10.7 mm) |
| Ceiling Cutout | Ø 8.25" (209.6 mm) |
| Ceiling Thickness | 0.50" to 2.00" ( 12.7 mm to 50.8 mm) |

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




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




| Dimensional Data | |
|---|---|
| Aperture Opening | Ø 5.75" (146.1 mm) |
| Overall Flange | Ø 9.42" (293.3 mm) |
| Bezel (below ceiling) | 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) |

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


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## PHOTOMETRY

### LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8VNR-SS / LTR-6RD-CEVR-WT

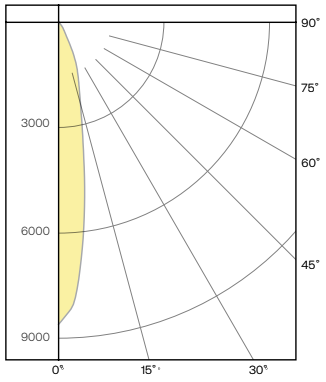
#### LUMINAIRE DATA

| | |
|---|---|
| Test No. | **22.01620** |
| Description | **2000 lm, Very Narrow, 3500K, 80 CRI** |
| Delivered Lumens | **1973** |
| Watts | **22.2W** |
| Efficacy | **89** |
| Mounting | **Recessed** |
| Spacing Criterion | **0.3** |
| Beam Angle (FWHM) | **20** |

#### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0-40 | 1889 | 95.7 |
| 0-60 | 1962 | 99.5 |
| 0-90 | 1973 | 100.0 |
| 0-180 | 1973 | 100.0 |

#### POLAR GRAPH




#### CANDELA DISTRIBUTION

| Degree | Candela |
|---|---|
| 0 | 8590 |
| 5 | 7037 |
| 15 | 2416 |
| 25 | 994 |
| 35 | 257 |
| 45 | 73 |
| 55 | 13 |
| 65 | 6 |
| 75 | 3 |
| 85 | 1 |
| 90 | 0 |

#### LUMINANCE DATA*

| Vertical Angle | Average |
|---|---|
| 45° | 6162 |
| 55° | 1353 |
| 65° | 847 |
| 75° | 692 |
| 85° | 685 |

*Candela/Square Meter

### LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8NR-SS / LTR-6RD-CEVR-WT

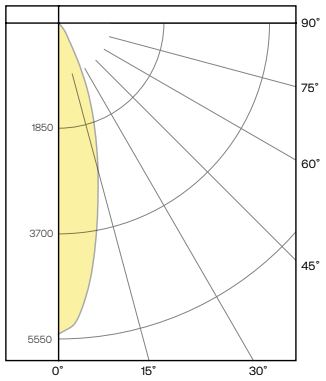
#### LUMINAIRE DATA

| | |
|---|---|
| Test No. | **23.00002** |
| Description | **2000 lm, Narrow, 3500K, 80 CRI** |
| Delivered Lumens | **1910** |
| Watts | **22.2W** |
| Efficacy | **86** |
| Mounting | **Recessed** |
| Spacing Criterion | **0.5** |
| Beam Angle (FWHM) | **30** |

#### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0-40 | 1839 | 96.3 |
| 0-60 | 1900 | 99.5 |
| 0-90 | 1910 | 100.0 |
| 0-180 | 1910 | 100.0 |

#### POLAR GRAPH




#### CANDELA DISTRIBUTION

| Degree | Candela |
|---|---|
| 0 | 5460 |
| 5 | 4978 |
| 15 | 2690 |
| 25 | 1057 |
| 35 | 261 |
| 45 | 61 |
| 55 | 8 |
| 65 | 5 |
| 75 | 3 |
| 85 | 1 |
| 90 | 0 |

#### LUMINANCE DATA*

| Vertical Angle | Average |
|---|---|
| 45° | 5149 |
| 55° | 833 |
| 65° | 706 |
| 75° | 692 |
| 85° | 685 |

*Candela/Square Meter

### LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8MD-SS / LTR-6RD-CEVR-WT

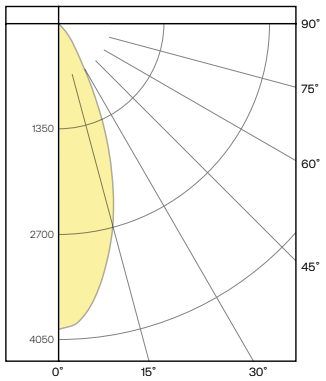
#### LUMINAIRE DATA

| | |
|---|---|
| Test No. | **23.00009** |
| Description | **2000 lm, Medium, 3500K, 80 CRI** |
| Delivered Lumens | **1969** |
| Watts | **22.2W** |
| Efficacy | **89** |
| Mounting | **Recessed** |
| Spacing Criterion | **0.7** |
| Beam Angle (FWHM) | **40** |

#### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0-40 | 1878 | 95.4 |
| 0-60 | 1958 | 99.4 |
| 0-90 | 1969 | 100.0 |
| 0-180 | 1969 | 100.0 |

#### POLAR GRAPH




#### CANDELA DISTRIBUTION

| Degree | Candela |
|---|---|
| 0 | 3906 |
| 5 | 3743 |
| 15 | 2675 |
| 25 | 1252 |
| 35 | 354 |
| 45 | 81 |
| 55 | 10 |
| 65 | 6 |
| 75 | 3 |
| 85 | 1 |
| 90 | 0 |

#### LUMINANCE DATA*

| Vertical Angle | Average |
|---|---|
| 45° | 6838 |
| 55° | 1041 |
| 65° | 847 |
| 75° | 692 |
| 85° | 685 |

*Candela/Square Meter



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## PHOTOMETRY CONTINUED

### LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8WD-SS / LTR-6RD-CEVR-WT

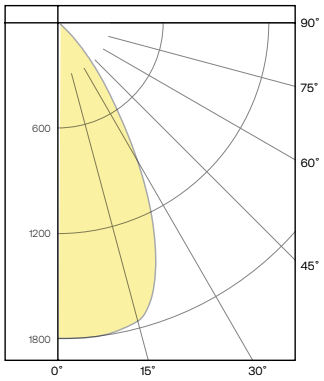
#### LUMINAIRE DATA

| | |
|---|---|
| Test No. | **23.00010** |
| Description | **2000 lm, Wide, 3500K, 80 CRI** |
| Delivered Lumens | **1720** |
| Watts | **22.2W** |
| Efficacy | **78** |
| Mounting | **Recessed** |
| Spacing Criterion | **0.9** |
| Beam Angle (FWHM) | **59** |

#### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0-40 | 1572 | 91.4 |
| 0-60 | 1705 | 99.1 |
| 0-90 | 1720 | 100.0 |
| 0-180 | 1720 | 100.0 |

#### POLAR GRAPH




#### CANDELA DISTRIBUTION

| Degree | Candela |
|---|---|
| 0 | 1791 |
| 5 | 1795 |
| 15 | 1751 |
| 25 | 1269 |
| 35 | 535 |
| 45 | 135 |
| 55 | 20 |
| 65 | 9 |
| 75 | 4 |
| 85 | 1 |
| 90 | 0 |

#### LUMINANCE DATA*

| Vertical Angle | Average |
|---|---|
| 45° | 11396 |
| 55° | 2081 |
| 65° | 1271 |
| 75° | 923 |
| 85° | 685 |

*Candela/Square Meter

### LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8XW-SS / LTR-6RD-CEVR-WT

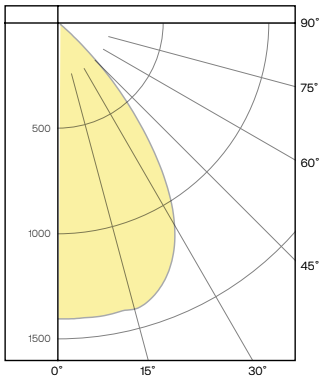
#### LUMINAIRE DATA

| | |
|---|---|
| Test No. | **23.00011** |
| Description | **2000 lm, Extra Wide, 3500K, 80 CRI** |
| Delivered Lumens | **1861** |
| Watts | **22.3W** |
| Efficacy | **94.4** |
| Mounting | **Recessed** |
| Spacing Criterion | **1.1** |
| Beam Angle (FWHM) | **74** |

#### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0-40 | 1625 | 87.3 |
| 0-60 | 1850 | 99.4 |
| 0-90 | 1861 | 100.0 |
| 0-180 | 1861 | 100.0 |

#### POLAR GRAPH




#### CANDELA DISTRIBUTION

| Degree | Candela |
|---|---|
| 0 | 1402 |
| 5 | 1402 |
| 15 | 1403 |
| 25 | 1261 |
| 35 | 853 |
| 45 | 254 |
| 55 | 15 |
| 65 | 7 |
| 75 | 3 |
| 85 | 1 |
| 90 | 0 |

#### LUMINANCE DATA*

| Vertical Angle | Average |
|---|---|
| 45° | 21442 |
| 55° | 1561 |
| 65° | 989 |
| 75° | 692 |
| 85° | 685 |

*Candela/Square Meter

### LTR-6RD-H-ML20L-DM1 / LTR-6RW-T-ML35K8WW-SS / LTR-6RD-CEVR-WT

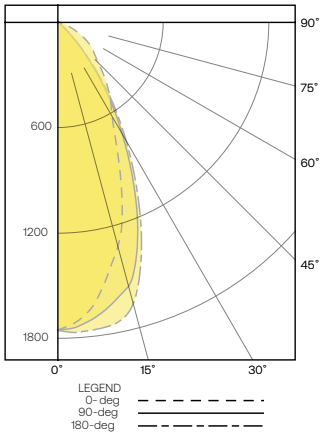
#### LUMINAIRE DATA

| | |
|---|---|
| Test No. | **22.01618** |
| Description | **2000 lm, Single Wall Wash, 3500K, 80 CRI** |
| Delivered Lumens | **1603** |
| Watts | **22.8W** |
| Efficacy | **72** |
| Mounting | **Recessed** |

#### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0-40 | 1343 | 83.8 |
| 0-60 | 1547 | 96.5 |
| 0-90 | 1603 | 100.0 |
| 0-180 | 1603 | 100.0 |

#### POLAR GRAPH




#### CANDELA DISTRIBUTION

| Degree | Candela |
|---|---|
| 0 | 1753 |
| 5 | 1682 |
| 15 | 1324 |
| 25 | 802 |
| 35 | 517 |
| 45 | 326 |
| 55 | 222 |
| 65 | 100 |
| 75 | 33 |
| 85 | 3 |
| 90 | 0 |

#### LUMINANCE DATA*

| Vertical Angle | Average |
|---|---|
| 45° | 27519 |
| 55° | 23103 |
| 65° | 14124 |
| 75° | 7611 |
| 85° | 2055 |

*Candela/Square Meter



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DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

# LTR-6RD (VR)

6" ROUND COMPLEX ENVIRONMENT DOWNLIGHT

**VANDAL RESISTANT / BEHAVIORAL**

## PHOTOMETRY CONTINUED

### LUMEN MULTIPLIER

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

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 |

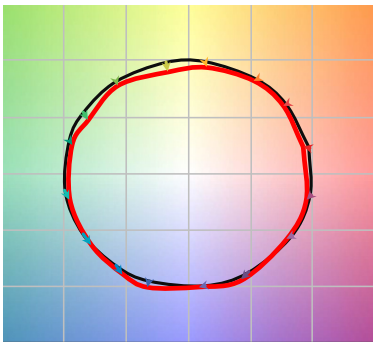
### REFLECTOR COLOR MULTIPLIER (Based on Semi-Specular (SS) Finish)

| 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



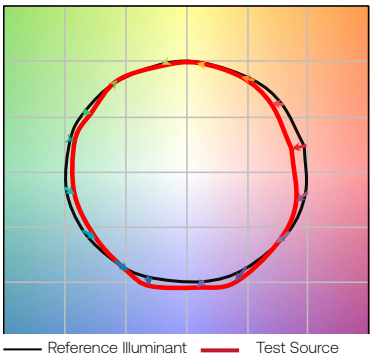
Reference Illuminant — Test Source

### 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 $R_9$ | 11 | 62 |

### COLOR VECTOR GRAPHIC 3500K, 80 CRI



Reference Illuminant — Test Source

### COLOR DISTORTION GRAPHIC 3500K, 80 CRI





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DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

# LTR-6RD (VR)

6" ROUND COMPLEX ENVIRONMENT DOWNLIGHT

**VANDAL RESISTANT / BEHAVIORAL**

## 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/lifeshield.

### 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

See installation instructions on currentlighting.com/lifeshield 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.



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