prescolite

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

LTR-3RW Open
LITEISTRY 3" ROUND OPEN WALL WASH (WW/DWW/CWW)

LITEISTRY™

FEATURES

- 3" architectural LED wall wash delivering 600–2000 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

- 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

CSA
C US

BAA
(-BAA Option)

TAA
(-TAA Option)

CONTROLS TECHNOLOGY

NX WIRELESS

NX WIRED

Typical Dimensions and Weights

Lumen Package	"A" Length Inches (mm)	"B" Width Inches (mm)	"C" Height Inches (mm)	Weight lbs (kg)
06L - 20L	14.56 (370)	14.36 (365)	5.38 (137)	7.3 (3.3)

See DIMENSIONS section for complete details

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
- 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
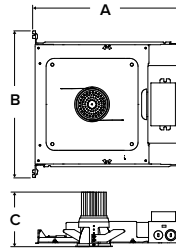- Painted cones and flange options available

ELECTRICAL
- 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, DMX, and Lutron EcoSystem options
- 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 SpectraSync™ Tunable White or Dim-to-Warm 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 1½" or ¾" lathing channel (by others) or Prescolite accessory bar hangers (B24 or B6)
- 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

KEY DATA	
Lumen Range	600-2000
Wattage Range	8-25
Efficacy Range (LPW)	75*
Reported Life (Hours)	L90 / >55,000
Input Current (mA)	67–208 (120V)

*Based on Specular, 35K, 80 CRI

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ORDERING GUIDE

Example: LTR–3RD–H–SL10L–DM1–LTR–3RW–T–SL35K8WW–S

CATALOG #

HOUSING

LTR-3RD-H —

Aperture/Shape/Function	Lumen Package	Lumen Output	Driver Options	Control Options	Voltage	Housing Options
LTR-3RD-H 3" Round Downlight / Wall Wash New Construction Housing	**SL** Standard Lumen **ML** Medium Lumen	**06L** 600 **10L** 1000 **15L** 1500 **20L** 2000	**DM1** 0-10V Dimming to 1% **DM01** 0-10V Dimming to < 1% **DMX** DMX with RDM dimming to < 0.1% **DALI** DALI Dimming to 1% **EDM** Lutron Hi-Lume EcoSystem Dimming to 1% ²	**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	_Standard 120-277V_ **34** 347V ⁶	**CP** Chicago Plenum ⁷ ⁹ **IC** IC rated ⁸ ⁹ **EMR** 7W Emergency Battery Pack (CEC Title 20 Compliant) with remote test switch and indicator light ⁹ **DTS** Device Transfer Switch with Dimming Bypass ⁹ ¹⁰ **GTD** Generator Transfer Device ⁹ ¹¹ **F** Fuse ⁹ **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 **ML** Medium Lumen	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **50K** 5000K ¹	**8** 80+CRI **9** 90+CRI	**WW** Single Wall Wash **DWW** Double Wall Wash **CWW** Corner Wall Wash

TRIM CONTINUED

—

Reflector Finish	Reflector Color	Flange Color Options	Reflector Options
Finish not applicable with painted reflectors (WC or BC) **S** Specular **SS** Semi-Specular **MFC** American Matte™ **VS** Softglow® **VSS** SoftSheen™	_Standard Clear_ **CG** Champagne Gold **BL** Black **LW** Light Wheat **PW** Pewter **WC** Painted White Cone and Flange **BC** Painted Black Cone and Flange	_Standard matches reflector color_ **WT** White Flange ⁴ **BT** Black Flange ⁴	**AM** Antimicrobial Coating ⁵ **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
☐	**FMR3-R**	Flush Mount Mud-In Ring, 3" Round
☐	**LiteGear**	LiteGear® Inverter, 125VA-250VA
☐	**LPS Series**	LightPower Micro-Inverter, 20VA-55VA
☐	**MOR3-R-WH**	Metal Oversized Ring, 3" Round, White (6.75" outside diameter)
☐	**MOR3-R-BL**	Metal Oversized Ring, 3" Round, Black (6.75" outside diameter)

Notes:
1. 5000K available in 80+ CRI only.
2. EDM available in 10L-20L.
3. NX requires DM1 driver option.
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 requires DM1 driver; not available with Controls, EMR, DTS, GTD or F.
7. Not available with DMX, Controls, or EMR options.
8. IC available up to 15L; not available with Controls options.
9. Housing options (except Fuse, BAA/TAA) not available in combination.
10. DTS available with DM1, DM01, or DALI. Not available with NXE.
11. Not available with NXE.

Current ⊙

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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

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	Open Single Wall Wash	560	7.8	72
10L	1000	Open Single Wall Wash	901	11.9	76
15L	1500	Open Single Wall Wash	1304	18.6	70
20L	2000	Open Single Wall Wash	1824	24.3	75

LTR-3RW Open
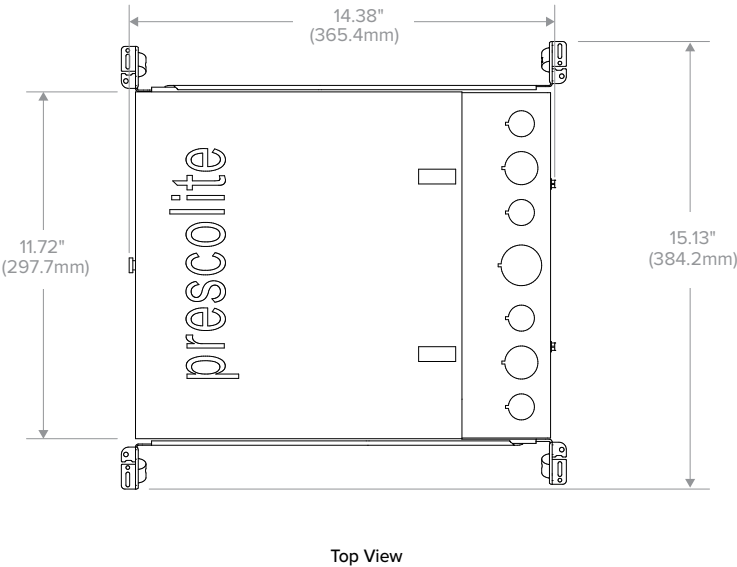LITEISTRY 3" ROUND OPEN WALL WASH (WW/DWW/CWW)

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

DIMENSIONS
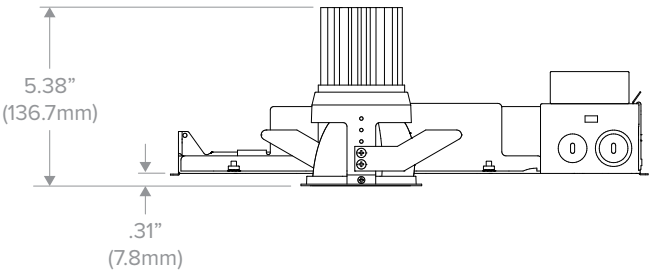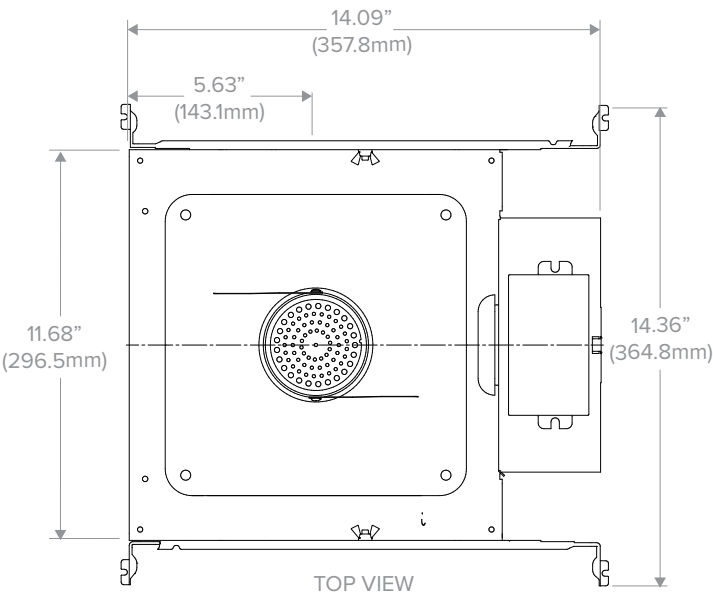
TOP VIEW

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)
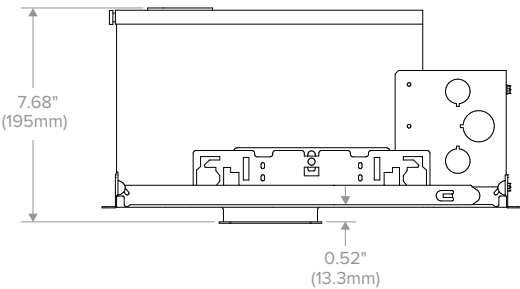
LTR-3RW-H

Top View

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

LTR-3RW_R06

LTR-3RW Open
LITEISTRY 3" ROUND OPEN WALL WASH (WW/DWW/CWW)

PHOTOMETRY

LTR-3RD-H-ML20L-DM1 / LTR-3RW-T-ML35K8WW-S

LUMINAIRE DATA

Test No.	19.01136
Description	Single Wall Wash, 2000 lm, 3500K, 80 CRI
Delivered Lumens	1824
Watts	24.3W
Efficacy	75.1
Mounting	Recessed

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1565	85.8
0-60	1792	98.3
0-90	1824	100
0-180	1824	100

POLAR GRAPH

LEGEND
0–deg — — — — — — —
90–deg ——————
180–deg —— — —— — ——
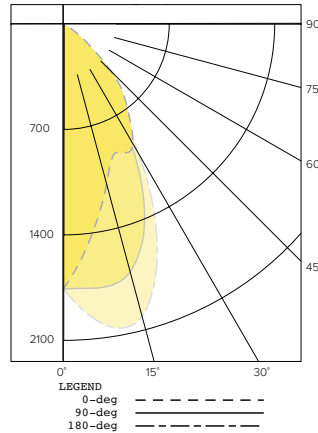
CANDELA DISTRIBUTION

Degree	Candela
0	1761
5	1537
15	1107
25	944
35	776
45	479
55	163
65	49
75	19
85	4
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	158963
55°	66687
65°	27208
75°	17227
85°	10770

*Candela/Square Meter

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

Current

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LTR-3RW Open

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

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

TM-30 DATA

COLOR VECTOR GRAPHIC
3500K, 90 CRI
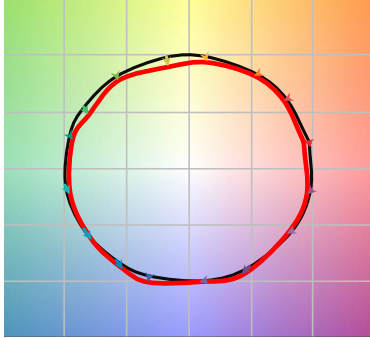
Reference Illuminant — Test Source

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
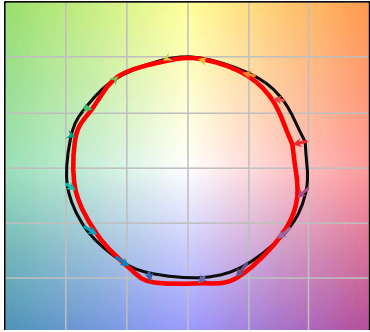
Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
3500K, 80 CRI
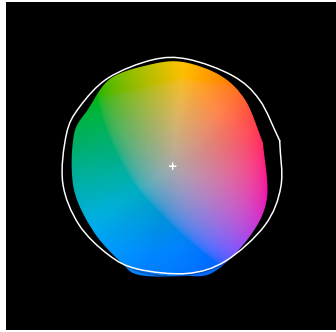
ELECTRICAL DATA

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.

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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