prescolite

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

LTR-3RW Lens

LITEISTRY 3" ROUND LENSED WALL WASH (LWW)

LITEISTRY

FEATURES

- 3" architectural LED lensed wall wash delivering 600–2000 lm
- Provides smooth, uniform vertical illumination
- 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, Lutron Forward Phase and EcoSystem
- NX Lighting Controls wired and wireless controls capability available

WET LOCATION

C SA US

BUY AMERICAN SOLUTIONS

See Certification Specifications

CONTROL TECHNOLOGY

NX LIGHTING CONTROLS

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

- Provides excellent uniformity down the wall
- 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 (COB) 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 Forward Phase and EcoSystem options
- NX or Lutron Vive control options available
- 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 1.25"
- Universal adjustable mounting brackets also accept 0.50" EMT conduit or 1.50" or 0.75" 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 wet locations, covered ceiling EMR: Suitable for damp locations
- EMR: Certified under UL 924 standard for emergency lighting and power equipment
- Approved for 8 (4 in/4 out) No. 12AWG conductors rated for 90°C through wiring
- This product qualifies as a “designated country construction material” per FAR 52.225-11 Buy American-Construction. Materials under Trade Agreements effective 6/6/2020.

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	600-2000
Wattage Range	8-25
Efficacy Range (LPW)	79*
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–SL35K8LWW–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	**06L**	600	**DM1**	0-10V Dimming to 1%	**NXE**	NX Wired Dual RJ45 SmartPORTS, without Sensor [3]	*Standard 120-277V*		**CP**	Chicago Plenum [7,9]
				10L	1000	**DM01**	0-10V Dimming to <1%					**IC**	IC rated [8,9]
				15L	1500	**DMX**	DMX with RDM dimming to <0.1%	**NXW**	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor [3]	**34**	347V [6]	**EMR**	Emergency Battery Pack with remote test switch and indicator light [9]
		ML	Medium Lumen	**20L**	2000	**DALI**	DALI Dimming to 1%					**GTD**	Generator Transfer Device [9]
						2DM	Lutron Hi-Lume 2-wire Dimming to 1% (120V Forward Phase only) [2]	**LV**	Lutron Vive Enabled, 0-10V (requires DM1 driver)			**DTS**	Device Transfer Switch with Dimming Bypass [9,10]
						EDM	Lutron Hi-Lume EcoSystem Dimming to 1% [2]	**LVE**	Lutron Vive Enabled, EcoSystem, (requires EDM)			**F**	Fuse [9]

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	**27K**	2700K	**8**	80+ CRI	**LWW**	Lensed Wall Wash
		ML	Medium Lumen	**30K**	3000K	**9**	90+ CRI		
				35K	3500K				
				40K	4000K				
				50K	5000K [1]				

TRIM CONTINUED

–

Reflector Finish		Reflector Color		Flange Color Options		Reflector Options	
Finish not applicable with painted reflectors (WC or BC)		*Standard Clear*		*Standard matches reflector color*		**AM**	Antimicrobial Coating [5]
S	Specular	**CG**	Champagne Gold	**WT**	White Flange [4]		
SS	Semi-Specular	**BL**	Black	**BT**	Black Flange [4]		
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
☐	**FMR3-R**	Flush Mount Flange 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 2DM, 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 option; not available with Controls, F, DTS, GTD, EMR.
7 CP available up to 15L; not available with DMX, Controls, or EMR options.
8 IC available up to 15L; not available with Controls options.
9 Housing options (except Fuse) not available in combination.
10 DTS available with DM1, DM01, or DALI.

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CONTROLS

NX Lighting Controls:

Supports applications in a variety of deployment options. Integrates with and enables a wide array of luminaires including those with SpectraSync™ Color Tuning Technology.

NX INTEGRATED CONTROLS REFERENCE								
NX Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	0–10V Dimming	On/off Control	Bluetooth® App Programming
NX Networked – Wired								
NXE	N/A	Yes	Yes	No	No	Yes	Yes	Requires NXBTC[1]
NX Networked – Wireless								
NXW[2]	N/A	Yes	Yes	No	No	Yes	Yes	Yes

1 NXBTC needs to be plugged into an available NX SmartPort™ on the fixture network

2 Programming via App requires factory assistance

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	Lensed Wall Wash	656	7.8	84
10L	1000	Lensed Wall Wash	1055	11.9	89
15L	1500	Lensed Wall Wash	1527	18.6	82
20L	2000	Lensed Wall Wash	1974	25.0	79

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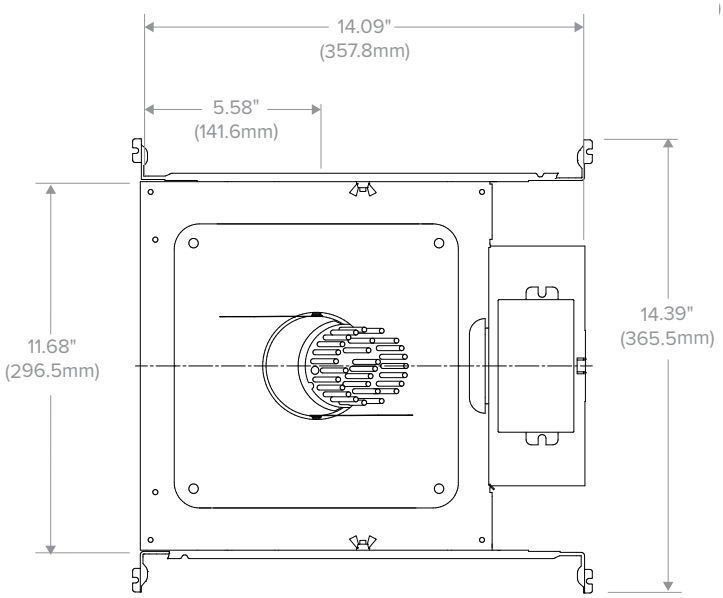
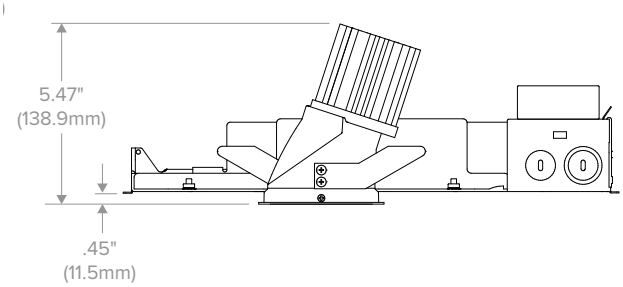
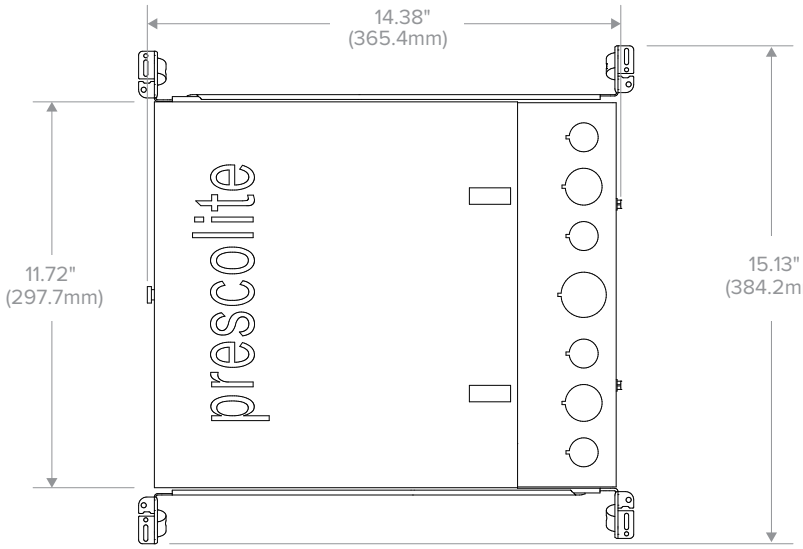
DIMENSIONS

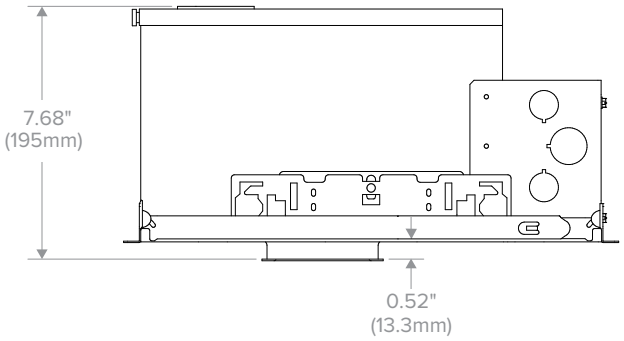




Dimensional Data		
Aperture		2.88" (73.2mm)
Flange	Standard	3.68" (93.5mm)
	Flush Mount	3.68" (93.5mm)
Ceiling Cutout	Standard	3.38" (85.9mm)
	Flush Mount	4.00" (101.6mm)
Ceiling Thickness		0.50" to 1.25" (12.7mm to 31.8mm)

LTR-3RW LENS-H





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LTR-3RW-H - IC/CP

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PHOTOMETRY

LTR-3RD-H-ML20L-DM1 / LTR-3RW-T-ML35K8LWW-S

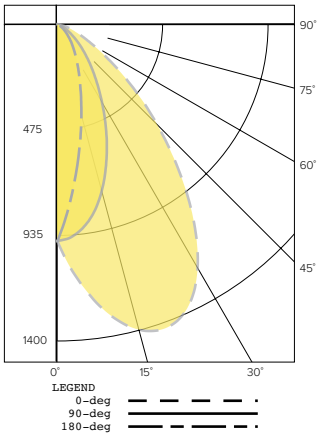
LUMINAIRE DATA

Test No.	**19.00751**
Description	**3" Wall-Wash; 2000lm 3500K, 80 CRI**
Delivered Lumens	**1974**
Watts	**25**
Efficacy	**78.8**
Mounting	**Recessed**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1432	72.5
0-60	1894	95.9
0-90	1974	100.0
0-180	1974	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	1554
5	1857
15	2267
25	2225
35	1697
45	1002
55	464
65	176
75	55
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	33,2529
55°	189,834
65°	97,726
75°	49,867
85°	0

*Candela/Square Meter

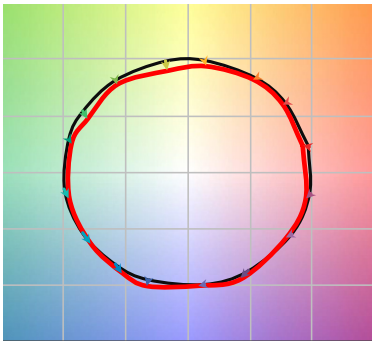
LUMEN MULTIPLIER

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.

TM-30 DATA

COLOR VECTOR GRAPHIC 3500K, 90 CRI

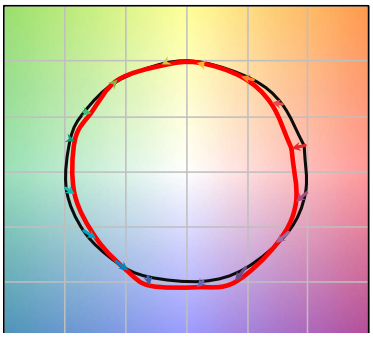


Reference Illuminant — Test Source

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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ELECTRICAL DATA

DRIVER DATA		
Input Voltage	120-277V	347V
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.

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