

# LTR-4RW Lens

LITEISTRY 4" ROUND LENSED WALL WASH (LWW)

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

LITEISTRY™

## FEATURES

- 4" architectural LED lensed wall wash delivering 600–4000 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



## CONTROL TECHNOLOGY



## SPECIFICATIONS

### CONSTRUCTION

- Standard Non-IC, Chicago Plenum and IC options available
- New 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

- 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) 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 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 1/2" EMT conduit or 1 1/2" or 3/4" 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 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	600-4000
Wattage Range	8-52
Efficacy Range (LPW)	81*
Reported Life (Hours)	L90 / >55,000
Input Current (mA)	67-433 (120V)

\*Based on Specular, 35K, 80 CRI

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## ORDERING GUIDE

Example: LTR-4RD-H-SL10L-DM1-LTR-4RW-T-SL35K8LWW-S

CATALOG #

### HOUSING

LTR-4RD-H							
Aperture/Shape/Function		Lumen Package		Lumen Output		Driver Options	
LTR-4RD-H	4" Round Downlight / Wall Wash New Construction Housing	SL	Standard Lumen	06L	600	DM1	0-10V Dimming to 1%
				10L	1000	DM01	0-10V Dimming to <1%
				15L	1500	DMX	DMX with RDM dimming to <0.1%
		ML	Medium Lumen	20L	2000	DALI	DALI Dimming to 1%
				25L	2500	2DM	Lutron Hi-Lume 2-wire Dimming to 1% (120V Forward Phase only) <sup>3</sup>
				30L	3000	EDM	Lutron Hi-Lume EcoSystem Dimming to 1% <sup>3</sup>
		HL	High Lumen	35L	3500	Control Options	
				40L	4000		
						Voltage	
						Housing Options	


### TRIM

LTR-4RW-T					
Aperture/Shape/Function		Lumen Package		CCT	
LTR-4RW-T	4" Round Wall Wash Light Engine/Trim Assembly	SL	Standard Lumen	27K	2700K
		ML	Medium Lumen	30K	3000K
		HL	High Lumen	35K	3500K
				40K	4000K
				50K	5000K <sup>2</sup>

### 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>		<b>FM</b> Flush Mount Mud-in Ring <sup>7</sup>		<b>AM</b> Antimicrobial Coating <sup>6</sup>	
<b>S</b> Specular		<b>CG</b> Champagne Gold		<b>WT</b> White Flange <sup>5</sup>					
<b>SS</b> Semi-Specular		<b>BL</b> Black		<b>BT</b> Black Flange <sup>5</sup>					
<b>MFC</b> American Matte™		<b>LW</b> Light Wheat							
<b>VS</b> Softglow®		<b>PW</b> Pewter							
<b>VSS</b> SoftSheen™		<b>WC</b> Painted White Cone and Flange							
		<b>BC</b> 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
- ☐ **FMR4-R** Flush Mount Flange Mud-In Ring, 4" 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:

- Housing options (except Fuse) not available in combination.
- 5000K available in 80+ CRI only.
- 2DM, EDM available in 10L-35L. DMX not available on 40L.
- NX requires DM1 driver option.
- WT not needed for WC, BT not needed for BC.
- AM available with WC or Specular Clear (S or SWT). Consult factory for other colors.
- Flush Mount Flange (FM) requires FMR accessory (sold separately).
- 347V requires DM1 driver option; not available with Controls, F, DTS, GTD, or EMR.
- CP available up to 20L; not available with DMX, Controls, or EMR options.
- IC available up to 20L; not available with Controls options.
- 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.

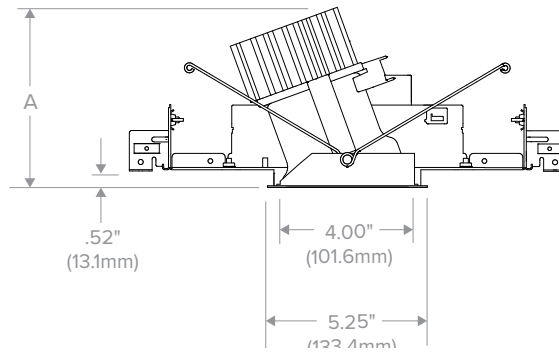
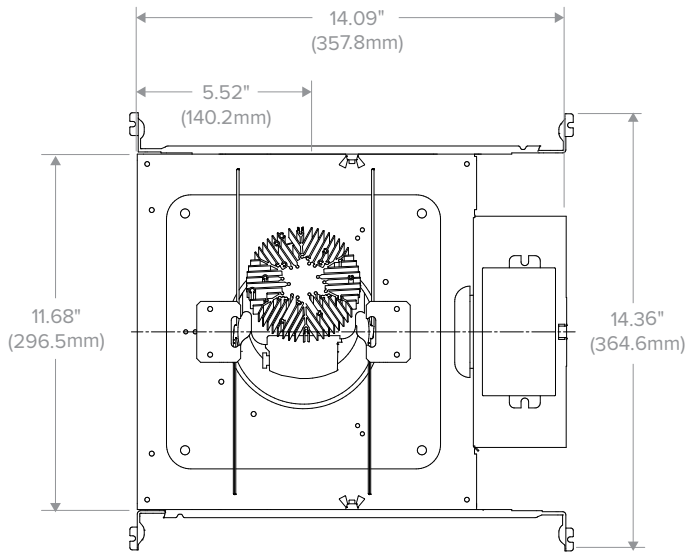


NX INTEGRATED CONTROLS REFERENCE								
NX Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	0-10V Dimming	On/off Control	Bluetooth® App Programming
<b>NX Networked – Wired</b>								
NXE	N/A	Yes	Yes	No	No	Yes	Yes	Requires NXBTC <sup>1</sup>
<b>NX Networked – Wireless</b>								
NXW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

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

<sup>2</sup> Programming via App requires factory assistance

## DIMENSIONS



Dimensional Data		
Aperture		4.00" (101.6mm)
Flange:	Standard	5.25" (133.4mm)
	Flush Mount	4.50" (114.3mm)
Ceiling Cutout:	Standard	5.00" (127.0mm)
	Flush Mount	5.12" (130.0mm)
Ceiling Thickness:		0.50" to 1.25" (12.7mm to 31.8mm)

Lumen Package	"A"
06L-15L	4.75" (120.7mm)
20L-30L	5.86" (148.8mm)
35L-40L	6.97" (177mm)

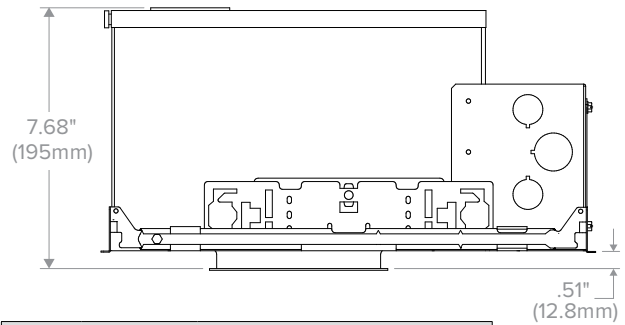
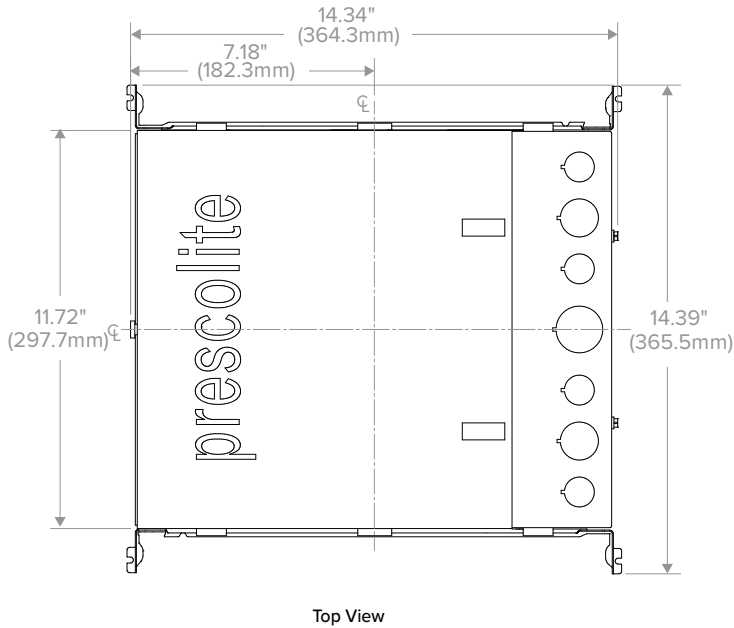
### LTR-4RW LENS-H

# LTR-4RW Lens

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## DIMENSIONS CONTINUED



Dimensional Data		
Aperture		4.00" (101.6mm)
Flange:	Standard	5.25" (133.4mm)
	Flush Mount	4.50" (114.3mm)
Ceiling Cutout:	Standard	5.00" (127.0mm)
	Flush Mount	5.12" (130.0mm)
Ceiling Thickness:		0.50" to 1.25" (12.7mm to 31.8mm)

## LTR-4RW LENS - H IC/CP

## PHOTOMETRY

### LTR-4RD-H-ML20L-DM1 / LTR-4RW-T-ML35K8LWWS

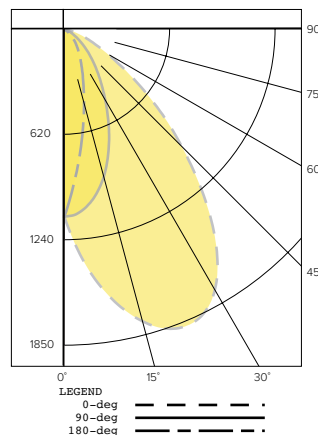
#### LUMINAIRE DATA

Test No.	19.00821
Description	4" Lensed Wall-Wash; 2000lm 3500K, 80 CRI
Delivered Lumens	1833
Watts	22.6W
Efficacy	81.2
Mounting	Recessed

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1272	69.4
0-60	1745	95.2
0-90	1833	100.0
0-180	1833	100.0

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Degree	Candela
0	1241
5	1556
15	2003
25	2112
35	1754
45	1102
55	537
65	208
75	65
85	0
90	0

#### LUMINANCE DATA\*

Vertical Angle	Average
45°	180755
55°	108587
65°	57083
75°	29128
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.

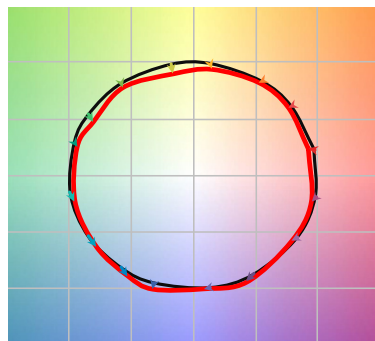
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## TM-30 DATA

COLOR VECTOR GRAPHIC  
3500K, 90 CRI



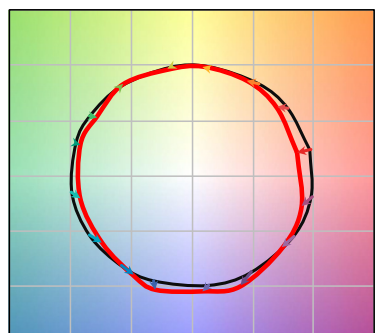
— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC  
3500K, 90 CRI



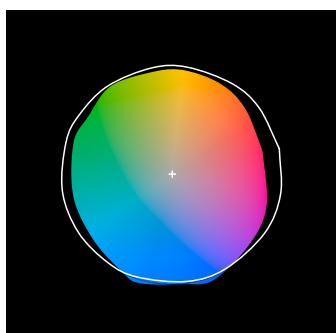
TEST RESULTS - 3500K		
Value	80+ CRI	90+ CRI
R <sub>f</sub>	84	88
R <sub>g</sub>	95	95
CCT (K)	3411	3419
D <sub>uv</sub>	0.0015	0.0042
x	0.4120	0.4147
y	0.3974	0.4052
CIE R <sub>a</sub>	84	93
CIE R <sub>g</sub>	11	62

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	120-277 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](http://currentlighting.com/prescolite).

### DMX

See instruction sheet on [currentlighting.com/prescolite](http://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](http://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.