

LTR-3RD (SH)

LITEISTRY 3" ROUND
NON-CONDUCTIVE SHOWER DOWNLIGHT

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

FEATURES

- 3" architectural LED downlight delivering 600 – 1500 lm
- Non-conductive dead-front trim with four regressed lens options
- Suitable for wet locations, covered ceiling
- IP65 rated (room side)
- NSF2 Splash/Non-Food Zone certified
- Anti-microbial finish, optional
- 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



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

- Durable, non-conductive trim with 1/2" regressed lens
- Lens options include acrylic, polycarbonate, or tempered glass micro-prism, and clear acrylic
- Smooth room side lens surface for easy wipe down
- Available in white, black, or anti-microbial white trim color

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

ELECTRICAL (CONTINUED)

- 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 standalone and networked functionality with wired or wireless connectivity for NX system deployments
- Emergency battery pack option available with remote test switch and indicator light

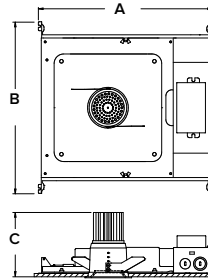
INSTALLATION

- Accommodates ceiling thickness up to 2"
- Universal adjustable mounting brackets also accept 1/2" EMT conduit or 1/2" or 3/4" lathing channel (by others) or Prescolite accessory bar hangers (B24 or B6)
- Light Engine serviceable above or below ceiling. Top access required for driver, Controls, EMR, GTD, or DTS component replacement

CERTIFICATIONS

- cCSAus certified to UL 1598
- IP65 rated (room side) when properly installed per installation instructions
- NSF2 Splash/Non-Food Zone certified

LITEISTRY™



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)	5.38 (137)	7.3 (3.3)

See DIMENSIONS section for complete details

CERTIFICATIONS (CONTINUED)

- Suitable for wet locations, covered ceiling. EMR: 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	
Lumen Range	600-1500
Wattage Range	8-19
Efficacy Range (LPW)	33-35*
Reported Life (Hours)	L90 / >55,000
Input Current (mA)	67-158 (120V)

*Based on 35K, 80 CRI



LTR-3RD (SH)

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ORDERING GUIDE

DATE:

LOCATION:

TYPE:

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CATALOG #:

Example: LTR-3RD-H-SL10L-DM1-LTR-3RD-T-SHSL35K8-WTAML

CATALOG #

HOUSING

LTR-3RD-H							
Aperture/Shape/Function		Lumen Package		Lumen Output		Driver Options	
LTR-3RD-H	3" Round Downlight 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%
						DALI	DALI Dimming to 1%
						EDM	Lutron Hi-Lume EcoSystem Dimming to 1% ²
						Control Options	
						Voltage	
						Housing Options	
						NX Lighting Controls	
						Standard 120-277V	
						34 347V ⁵	
						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	
						CP Chicago Plenum ^{6,8}	
						IC IC Rated ^{6,9}	
						EMR 7W Emergency Battery Pack (CEC Title 20 Compliant) with remote test switch and indicator light ⁶	
						DTS Device Transfer Switch with Dimming Bypass ^{6,7}	
						GTD Generator Transfer Device ^{6,10}	
						F Fuse ⁶	
						BAA Buy American Act (FAR 52.225-9) Compliant	
						TAA Trade Agreements Act (FAR 52.225-11) Compliant	

TRIM

LTR-3RD-T											
Aperture/Shape/Function		Trim Style		Lumen Package		CCT		CRI			
LTR-3RD-T	3" Round Downlight Light Engine/Trim Assembly	SH	Non-Conductive Shower Trim	SL	Standard Lumen	27K	2700K	8	80+CRI		
						30K	3000K			9	90+CRI
						35K	3500K				
						40K	4000K				
						50K	5000K ¹				

TRIM CONTINUED

Trim Color		Lens Options		Options	
WT	White Trim and Flange	AML	Acrylic, Micro-prism	AM	Antimicrobial ⁴
BT	Black Trim and Flange	PML	Polycarbonate, Micro-prism	BAA	Buy American Act (FAR 52.225-9) Compliant
		GML	Tempered glass, Micro-prism	TAA	Trade Agreements Act (FAR 52.225-11) Compliant
		ACL	Acrylic, Clear		

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, 125VA–250VA
- ☐ LPS Series
- LightPower Micro-Inverter, 20VA–55VA

- Notes:
- 1 5000K available in 80+ CRI only.
- 2 EDM available in 10L-15L.
- 3 NX requires DM1 driver option.
- 4 AM available with White (WT) only. Consult factory for other colors.
- 5 347V requires DM1 driver; not available with Controls, EMR, DTS, GTD or F.
- 6 Housing options (except Fuse, BAA/TAA) not available in combination.
- 7 DTS available with DM1, DM01, or DALI. Not available with NXE.
- 8 CP not available with DMX, Controls, or EMR options.
- 9 IC not available with Controls options.
- 10 Not available with NXE.

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NX LIGHTING CONTROLS

DATE:LOCATION:

TYPE:PROJECT:

CATALOG #:



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.

Lumen Package	Nominal Lumens	Lens Description	Delivered Lumens	Watts	LPW
06L	600	Acrylic Micro-prism	259	7.8	33
		Polycarbonate Micro-prism	248	7.8	32
		Tempered Glass Micro-prism	258	7.8	33
		Acrylic Clear	258	7.8	33
10L	1000	Acrylic Micro-prism	416	12.0	35
		Polycarbonate Micro-prism	399	12.0	33
		Tempered Glass Micro-prism	415	12.0	35
		Acrylic Clear	415	12.0	35
15L	1500	Acrylic Micro-prism	602	17.4	35
		Polycarbonate Micro-prism	578	17.4	33
		Tempered Glass Micro-prism	601	17.4	35
		Acrylic Clear	600	17.4	34

LTR-3RD (SH)

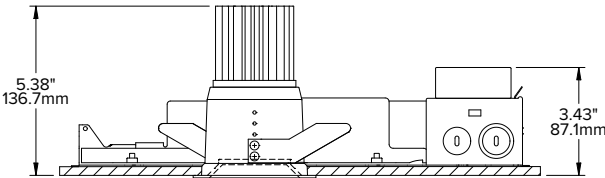
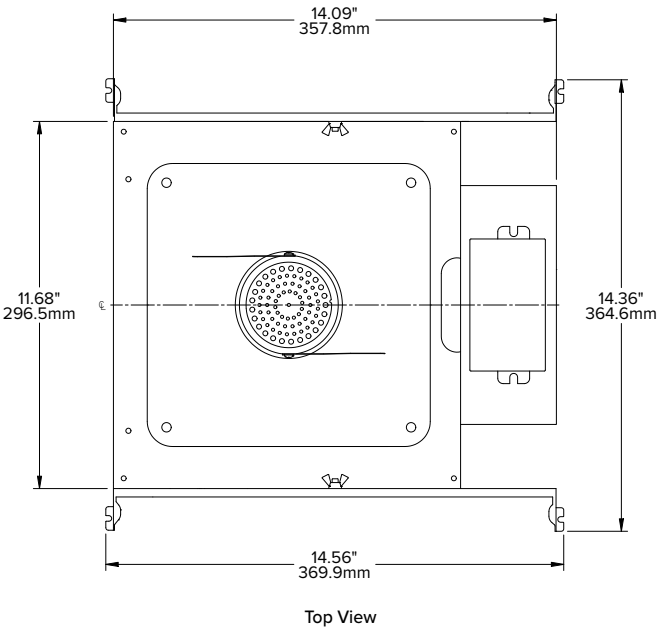
LITEISTRY 3" ROUND
NON-CONDUCTIVE SHOWER DOWNLIGHT

DIMENSIONS

DATE:LOCATION:

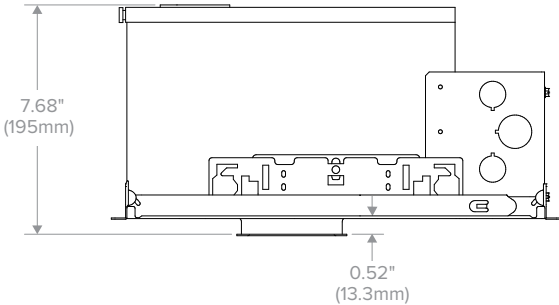
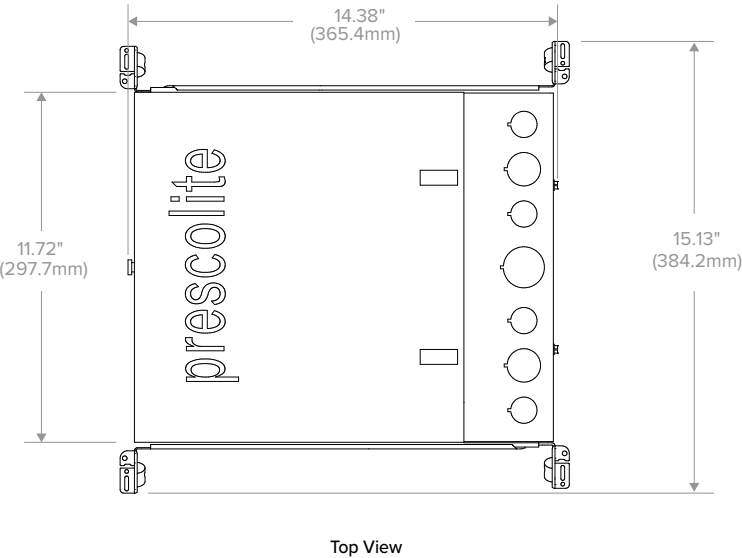
TYPE:PROJECT:

CATALOG #:



Dimensional Data		
Aperture		2.88" (73.2mm)
Flange	Standard	3.90" (99.1mm)
Ceiling Cutout	Standard	3.38" (85.9mm)
Ceiling Thickness		0.50" to 2.00" (12.7mm to 50.8mm)

LTR-3RD-H-SH



Dimensional Data		
Aperture		2.88" (73.2mm)
Flange	Standard	3.90" (99.1mm)
Ceiling Cutout	Standard	3.38" (85.9mm)
Ceiling Thickness		0.50" to 2.00" (12.7mm to 50.8mm)

LTR-3RD-H-SH (IC/CP)

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PHOTOMETRY

DATE:	LOCATION:
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LTR-3RD-H-SL15L-DM1 / LTR-3RD-T-SHSL35K8-WTAML

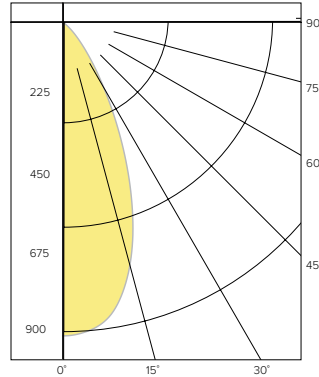
LUMINAIRE DATA

Test No.	20.01601
Description	1500 lm, Acrylic micro-prism lens, 3500K, 80 CRI
Delivered Lumens	602
Watts	17.4W
Efficacy	34.5
Mounting	Recessed
Spacing Criterion	0.7

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	553	91.8
0-60	597	99.2
0-90	602	100.0
0-180	602	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	913
5	899
15	725
25	389
35	144
45	42
55	10
65	4
75	1
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	15840
55°	4750
65°	2409
75°	560
85°	0

*Candela/Square Meter

LTR-3RD-H-SL15L-DM1 / LTR-3RD-T-SHSL35K8-WTPML

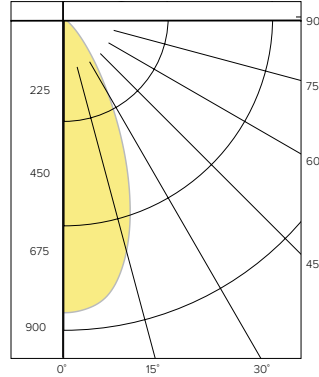
LUMINAIRE DATA

Test No.	20.01603
Description	1500 lm, Polycarbonate micro-prism lens, 3500K, 80 CRI
Delivered Lumens	578
Watts	17.4W
Efficacy	33.2
Mounting	Recessed
Spacing Criterion	0.7

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	525	90.8
0-60	571	98.7
0-90	578	100.0
0-180	578	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	856
5	844
15	683
25	371
35	139
45	43
55	12
65	5
75	2
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	16000
55°	5310
65°	3175
75°	1925
85°	663

*Candela/Square Meter

LTR-3RD-H-SL15L-DM1 / LTR-3RD-T-SHSL35K8-WTGML

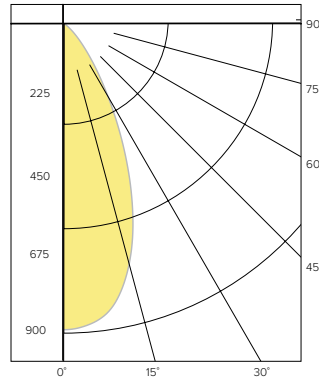
LUMINAIRE DATA

Test No.	20.01604
Description	1500 lm, Tempered Glass micro-prism lens, 3500K, 80 CRI
Delivered Lumens	602
Watts	17.4W
Efficacy	34.5
Mounting	Recessed
Spacing Criterion	0.7

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	546	90.7
0-60	594	98.7
0-90	602	100.0
0-180	602	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	887
5	872
15	707
25	387
35	147
45	46
55	12
65	5
75	2
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	16780
55°	5519
65°	3297
75°	1984
85°	684

*Candela/Square Meter

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PHOTOMETRY CONTINUED

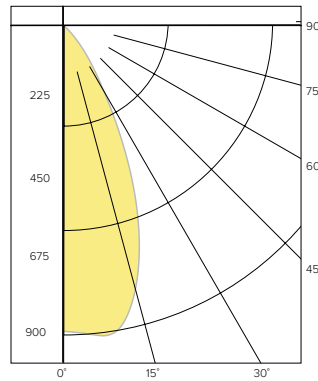
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

LTR-3RD-H-SL15L-DM1 / LTR-3RD-T-SHSL35K8-WTACL

LUMINAIRE DATA

Test No.	20.01606
Description	1500 lm, Acrylic clear lens, 3500K, 80 CRI
Delivered Lumens	600
Watts	17.4W
Efficacy	34.4
Mounting	Recessed
Spacing Criterion	0.8

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	889
5	902
15	894
25	404
35	132
45	28
55	5
65	3
75	2
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	10200
55°	2278
65°	1758
75°	1511
85°	380

*Candela/Square Meter

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	568	94.6
0-60	596	99.3
0-90	600	100.0
0-180	600	100.0

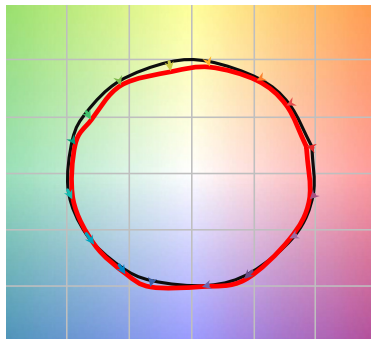
LUMEN MULTIPLIER

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



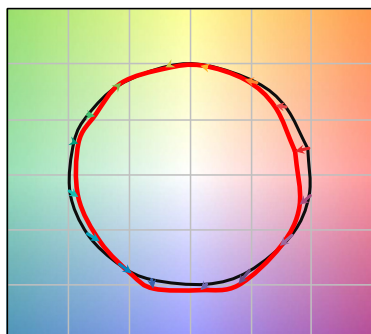
— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC 3500K, 90 CRI



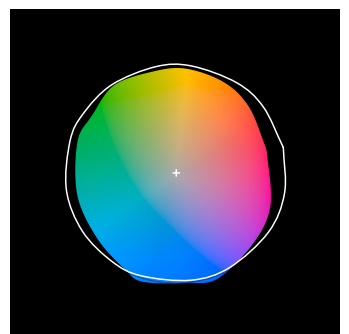
TEST RESULTS - 3500K		
Value	80+ CRI	90+ CRI
R _f	84	88
R _g	95	95
CCT (K)	3411	3419
D _{uv}	0.0015	0.0042
x	0.4120	0.4147
y	0.3974	0.4052
CIE R _a	84	93
CIE R _g	11	62

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.

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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