

FEATURES

- 6" architectural LED adjustable accent delivering 600–3500 lm
- Four field interchangeable beam distributions from 15° to 45°
- Translating center beam optic allows 0–35° vertical tilt, 362° horizontal rotation
- Select from three lower trim styles: Angle Cut Cone, Pinhole or Slot
- Accommodates up to two lens media including hexcell louver and linear spread options
- Variety of dimming protocol options including 0-10V, DALI, DMX, and Lutron EcoSystem
- NX Lighting Controls wired and wireless controls capability available



CONTROLS TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Standard Non-IC. Chicago Plenum and IC options
- Painted black enclosed steel platform with tool-less top access and pre-installed bar hangers
- Smooth friction adjustment with 0-35° vertical tilt, 362° horizontal rotation without tools
- Precise hot aiming capability, securely locks with thumbscrews for dependable control

OPTICS

- Translating center beam optic ensures full beam optimization from 0.5" to 1.25" ceiling thickness
- Proprietary twist-and-lock upper reflector with diffusion film provides 15°, 25°, 35° or 45° beam distributions
- Optional accessory lens media including linear spread and hexcell louver (order separately)
- Upper reflector can accommodate up to two additional lens media up to 0.25" max. thickness
- Provides dramatic, crisp highlights without distracting rings or excessive spill light
- Standard angle cut cone: 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

OPTICS (CONTINUED)

- Optional pinhole or slot lower trim styles are available (painted finishes only)

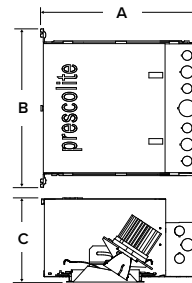
ELECTRICAL

- 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 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 1.25"
- 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)
- Light Engine and driver serviceable from above or below ceiling. Top access required for Controls, EMR, GTD, or DTS component replacement

LITEISTRY™



Typical Dimensions		
"A" Length Inches (mm)	"B" Width Inches (mm)	"C" Height Inches (mm)
14.56 (370)	14.36 (365)	7.48 (190)

See DIMENSIONS section for complete details

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	
Lumen Range	600-3500
Wattage Range	8-43
Efficacy Range (LPW)	77-87*
Reported Life (Hours)	L90 / >55,000
Input Current (mA)	67-358 (120V)

*Based on Specular, 35K, 80 CRI

LTR-6RA

LITEISTRY 6" ROUND ADJUSTABLE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ORDERING GUIDE

Example: LTR-6RA-H-10L35K8NR-DM1-LTR-6RA-T-SSCG

CATALOG #	
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HOUSING

LTR-6RA-H							
Aperture/Shape/Function		Lumen Output		CCT		CRI	
LTR-6RA-H	6" Round Adjustable New Construction Housing	06L	600	27K	2700K	8	80+ CRI
		10L	1000	30K	3000K	9	90+ CRI
		15L	1500	35K	3500K		
		20L	2000	40K	4000K		
		25L	2500	50K	5000K ²		
		30L	3000				
		35L	3500				
						Distribution	
				NR	Narrow 15° ¹⁴		
				MD	Medium 25°		
				WD	Wide 35°		
				XW	Extra Wide 45°		

HOUSING (CONTINUED)

Driver Options		Control Options		Voltage		Housing Options	
DM1	0-10V Dimming to 1%	NX Lighting Controls		Standard 120-277V		CP	Chicago Plenum ^{1,9}
DM01	0-10V Dimming to < 1% ¹³	Networked Wireless				IC	IC rated ^{1,10}
DMX	DMX with RDM dimming to < 0.1% ³	NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ⁴		34 347V ⁸		EMR	7W Emergency Battery Pack (CEC Title 20 Compliant) with remote test switch and indicator light ¹
DALI	DALI Dimming to 1% ¹³	Networked Wired				GTD	Generator Transfer Device ^{1,16}
EDM	Lutron Hi-Lume EcoSystem Dimming to 1% ³	NXE NX Wired Dual RJ45 SmartPORTS, without Sensor ⁴				DTS	Device Transfer Switch with Dimming Bypass ^{1,15}
						F	Fuse ¹
						BAA	Buy American Act (FAR 52.225-9) Compliant
						TAA	Trade Agreements Act (FAR 52.225-11) Compliant

TRIM

LTR-6RA-T							
Aperture/Shape/Function		Lower Trim Style		Reflector Finish		Reflector Color	
LTR-6RA-T	6" Round Adjustable Trim Assembly	Standard Angle Cut Cone		Finish not applicable with painted reflectors (WC or BC)		Standard Clear	
		PH	Pinhole ¹¹	S	Specular	CG	Champagne Gold
		SLT	Slot ¹¹	SS	Semi-Specular	BL	Black
				MFC	American Matte™	LW	Light Wheat
				VS	Softglow®	PW	Pewter
				VSS	SoftSheen™	WC	Painted White Cone and Flange
						BC	Painted Black Cone and Flange
						Flange Color Options	
						WT	White Flange ⁵
						BT	Black Flange ⁵
						Lower Trim Options	
						FM	Flush Mount Mud-in Ring ⁷
						Reflector Options	
						AM	Antimicrobial Coating ⁶
						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
- ☐ FMR6-R Flush Mount Mud-In Ring, 6" Round
- ☐ LiteGear LiteGear® Inverter, 125VA-250VA
- ☐ LPS Series LightPower Micro-Inverter, 20VA-55VA
- ☐ MOR6-R-WH Metal Oversized Ring, 6" Round, White (10" outside diameter)
- ☐ MOR6-R-BL Metal Oversized Ring, 6" Round, Black (10" outside diameter)

Lens/Media Accessories

- ☐ LL4 Linear Spread Lens for 4" and 6" (MD, WD, XW) ¹²
- ☐ LL4-NR Linear Spread Lens for 4" and 6" (NR only) ¹²
- ☐ PL4 Prismatic Lens for 4" and 6" (MD, WD, XW) ¹²
- ☐ PL4-NR Prismatic Lens for 4" and 6" (NR only) ¹²
- ☐ SOL4 Solite Lens for 4" and 6" (MD, WD, XW) ¹²
- ☐ SOL4-NR Solite Lens for 4" and 6" (NR only) ¹²
- ☐ HL4 Hexcell Louver Black for 4" and 6" (MD, WD, XW) ¹²
- ☐ HL4-NR Hexcell Louver Black for 4" and 6" (NR only) ¹²

Notes:

- Housing options (except Fuse, BAA/TAA) not available in combination.
- 5000K available in 80+ CRI only.
- EDM available in 10L-35L.
- 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 available for 06L-30L; requires DM1 driver; not available with Controls, EMR, DTS, GTD or F.
- CP available up to 15L; not available with DMX, Controls, or EMR options.
- IC available up to 15L; not available with Controls options.
- Pinhole and Slot available only in WC or BC painted colors.
- Lens holder supplied with fixture accommodates up to 2 media (0.25" max. total thickness).
- DM01, DALI available up to 20L.
- Narrow (NR) available up to 20L.
- DTS available with DM1, DM01, or DALI. Not available with NXE.
- Not available with NXE.

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.

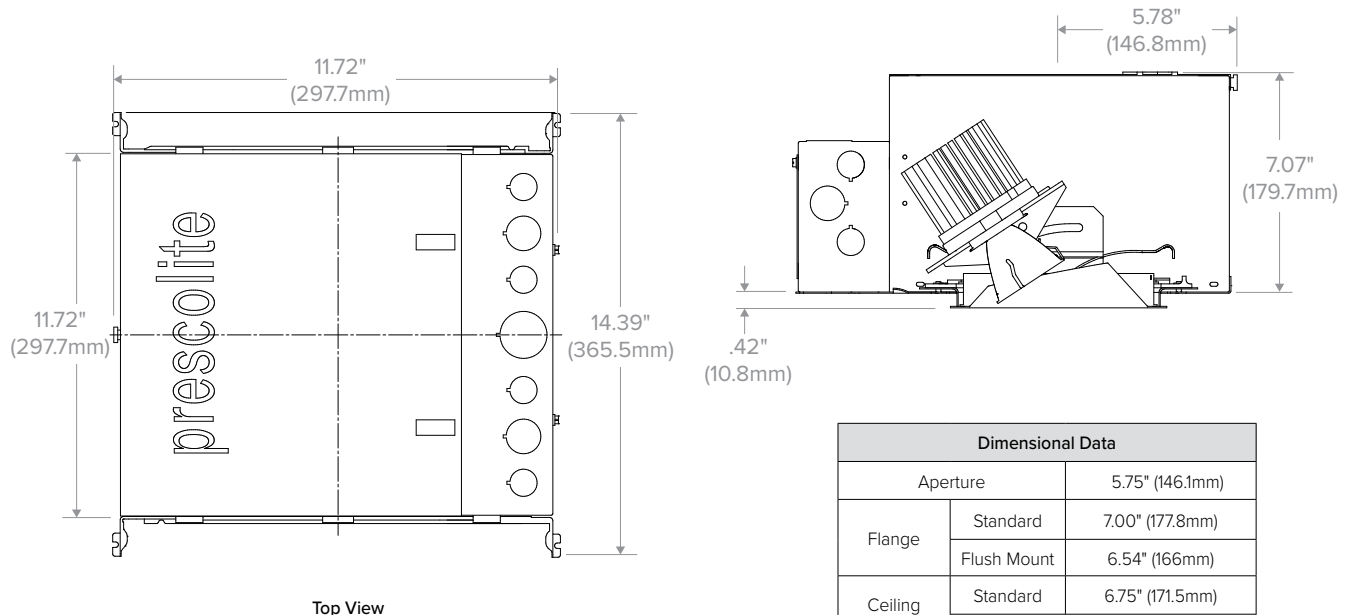


Android



Apple iOS

DIMENSIONS



Dimensional Data		
Aperture		5.75" (146.1mm)
Flange	Standard	7.00" (177.8mm)
	Flush Mount	6.54" (166mm)
Ceiling Cutout	Standard	6.75" (171.5mm)
	Flush Mount	6.75" (171.5mm)
Ceiling Thickness		0.5" to 1.25" (12.7mm to 31.8mm)

LTR-6RA

LITEISTRY 6" ROUND ADJUSTABLE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

PHOTOMETRY

LTR-6RA-H-20L35K8NR-DM1 / LTR-6RA-T-S

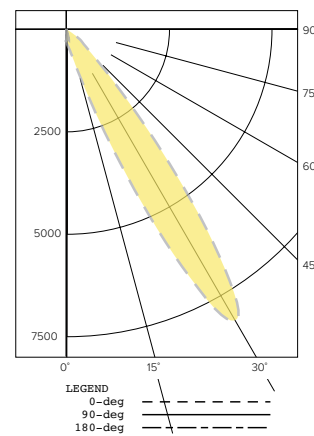
LUMINAIRE DATA

Test No.	19.01220
Description	2000 lm, Narrow, 3500K, 80 CRI
Delivered Lumens	1786
Watts	23.2W
Efficacy	76.9
Mounting	Recessed
Beam Angle (FWHM)	15

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1467	82.1
0-60	1782	99.7
0-90	1786	100.0
0-180	1786	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	518
5	706
15	1696
25	10130
35	10600
45	1807
55	495
65	15
75	2
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	152539
55°	51513
65°	2119
75°	461
85°	0

*Candela/Square Meter

LTR-6RA-H-20L35K8MD-DM1 / LTR-6RA-T-S

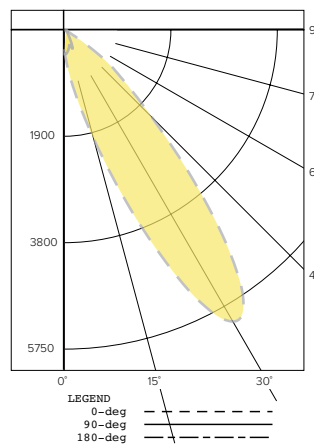
LUMINAIRE DATA

Test No.	19.01338
Description	2000 lm, Medium, 3500K, 80 CRI
Delivered Lumens	1956
Watts	22.1W
Efficacy	88.4
Mounting	Recessed
Beam Angle (FWHM)	24

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1480	75.7
0-60	1947	99.5
0-90	1956	100.0
0-180	1956	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	479
5	894
15	2583
25	6424
35	6983
45	2813
55	733
65	30
75	3
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	237461
55°	76282
65°	4237
75°	692
85°	0

*Candela/Square Meter

LTR-6RA-H-20L35K8WD-DM1 / LTR-6RA-T-S

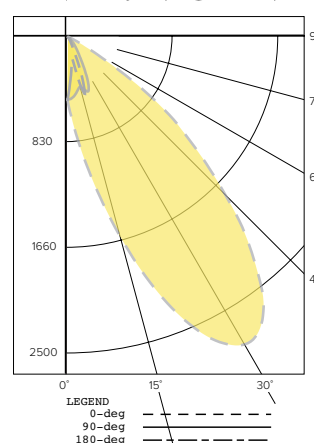
LUMINAIRE DATA

Test No.	19.01339
Description	2000 lm, Wide, 3500K, 80 CRI
Delivered Lumens	1932
Watts	22.1W
Efficacy	87.3
Mounting	Recessed
Beam Angle (FWHM)	36

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1365	70.7
0-60	1911	98.9
0-90	1932	100.0
0-180	1932	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	698
5	1080
15	2324
25	3664
35	3776
45	2468
55	1012
65	75
75	4
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	208337
55°	105316
65°	10593
75°	923
85°	0

*Candela/Square Meter

PHOTOMETRY CONTINUED

LTR-6RA-H-20L35K8XW-DM1 / LTR-6RA-T-S

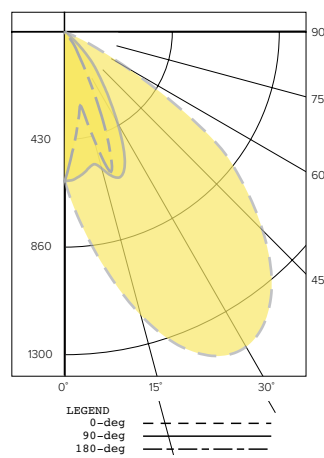
LUMINAIRE DATA

Test No.	19.01186
Description	2000 lm, Extra Wide, 3500K, 80 CRI
Delivered Lumens	1944
Watts	22.5W
Efficacy	86.5
Mounting	Recessed
Beam Angle (FWHM)	52

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1319	67.8
0-60	1898	97.6
0-90	1944	100.0
0-180	1944	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	882
5	1146
15	1731
25	2118
35	2086
45	1673
55	1020
65	173
75	8
85	0
90	0

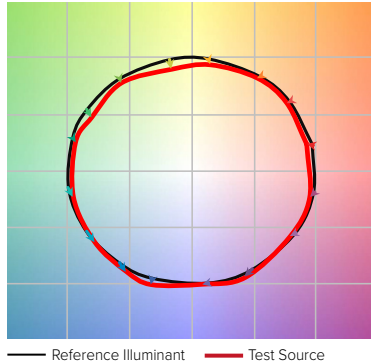
LUMINANCE DATA*

Vertical Angle	Average
45°	141227
55°	106149
65°	24435
75°	1845
85°	0

*Candela/Square Meter

TM-30 DATA

COLOR VECTOR GRAPHIC 3500K, 90 CRI

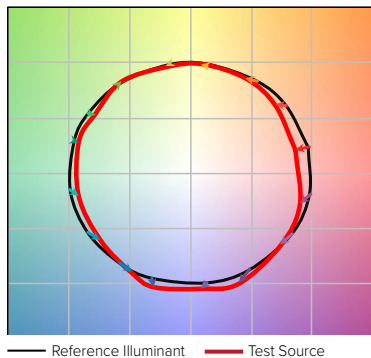


COLOR DISTORTION GRAPHIC 3500K, 90 CRI



TEST RESULTS - 3500K		
Value	80+ CRI	90+ CRI
R _t	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



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.