

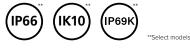
LTR-4RD SpectraSync

LITEISTRY 4" ROUND DOWNLIGHT WITH COLOR TUNING

FEATURES

- 4" architectural LED downlight delivering 600 2000 lm
- Four beam distributions from 0.4 to 1.2 Spacing Criteria
- Quiet reflector appearance with superior 50° optical cutoff
- SpectraSync[™] Color Tuning technology allows the flexibility to tailor CCT to aesthetic preferences
- Available in Dim to Warm (2200K-3000K) or Tunable White (2700K-5000K or 2700K-6500K), 90+ CRI
- Available for New Construction (non-IC), IC and Chicago Plenum applications
- Standard with 0-10V dimming to 5%
- NX Lighting Controls wired and wireless controls capability available





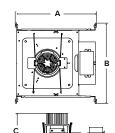
CONTROLS TECHNOLOGY



DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

LITEISTRY[®]





Typical Dimensions and Weights						
Lumen "A" Length "B" Width "C" Height Weight Package Inches (mm) Inches (mm) Inches (mm) Ibs (kg)						
06L - 15L	14.56 (370)	14.36 (365)	4.97 (126)	7.4 (3.3)		
20L	14.56 (370)	14.36 (365)	6.15 (156)	7.8 (3.6)		

See DIMENSIONS section for complete details

SPECIFICATIONS

CONSTRUCTION

- 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

- Visually pleasing 50° cutoff to source and source image
- The light distribution is free of distracting bright spots or pixelation and the perimeter has a smooth transition
- Optical grade silicone lens integral to light engine
- High purity spun aluminum reflector, selfflanged
- Flush Mount flange option with mud-in ring available
- Large selection of anodized finishes and colors
- Painted cones and flange options available

ELECTRICAL

- LED array with 3 SDCM color consistency
- Dim to Warm (2200K-3000K) or Tunable White (2700K-5000K or 2700K-6500K) options available
- 90+ CRI standard

ELECTRICAL (CONTINUED)

- Long LED life: L70 at >60,000 hours (TM-21)
- Universal voltage 120V-277V driver
- UL Class 2, inherent short circuit and overload protection
- Flicker free 0–10V dimming to 5%
- 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 an indicator light
- Integral and remote emergency controller and battery pack options available
- Refer to additional spec sheets for information on standard LITEISTRY solutions

INSTALLATION

- Accommodates ceiling thickness up to 2" (See DIMENSIONS section for details)
- 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 the ceiling

CERTIFICATIONS

currentlighting.com/prescolite

- cCSAus certified to UL 1598
- Suitable for wet locations, covered ceiling EM/EMR: Suitable for damp locations

CERTIFICATIONS (CONTINUED)

- EM/EMR: Certified under UL 924 standard for emergency lighting and power equipment
- EM/EMR: Emergency battery packs are California Energy Commission (CEC) Title 20 Compliant
- When used with CE Bezel Trim Accessories: IP66/IP69K rating; also meets IK10 per IEC 60068-2-75 impact testing
- 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) <u>See Buy America(n) Solutions</u>

WARRANTY

• 5 year warranty

KEY DATA				
Lumen Range	600-2000			
Wattage Range	10-36			
Efficacy Range (LPW)	49-60*			
Reported Life (Hours)	L70 / >60,000			
Input Current (mA)	83-300 (120V)			

*Based on Specular, 30K, 90 CRI

Current 🗐



DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ORDERING GUIDE

Example: LTR-4RD-H-SL10L-DMTW-LTR-4RD-T-SL2230TD9MD-S CATALOG # HOUSING LTR-4RD-H Aperture/Shape/Function **Control Options** Lumen Package **Driver Options** Voltage **Housing Options** Lumen Output Chicago Plenum 6, 7, 8 LTR-4RD-H 4" Round DMTW NX Lighting Controls SL Standard 06L 600 SpectraSync' Standard CP Dim to Warm 120-277V Downlight Lumen 10L 1000 Networked Wireless IC rated 6, 7, 8 IC 0-10V Dimming New NXW NX Networked ML Medium 15L 1500 Construction to 5% 1 EM 7W Emergency Battery Pack Wireless Radio Module Lumen 201 Housing 2000 SpectraSync™ DMT NXRM2 and Bluetooth (CEC Title 20 Compliant) Tunable White with integral test switch and Programming, without 0-10V Dimming Sensor indicator light 6,8 to 5%² Networked Wired EMR 7W Emergency Battery Pack (CEC Title 20 Compliant) NXE NX Wired Dual RJ45 with remote test switch and SmartPORTS, without indicator light ^{6,8} Sensor F Fuse 6 BAA Buy American Act (FAR 52.225-9) Compliant TAA Trade Agreements Act (FAR 52.225-11) Compliant TRIM LTR-4RD-T LTR-4RD-T 4" Round Downlight Light Standard Lumen 2230TD 2200K-3000K SpectraSync™ 90+CRI Narrow (0.4 SC/29°) SL 9 NR Engine/Trim Assembly Dim to Warm Medium Lumen МΙ Medium (0.7 SC/44°) MD 2700K-5000K SpectraSync ™ 2750T Wide (0.9 SC/61°) WD Tunable White XW Extra Wide (1.2 SC/78°) 2765T 2700K-6500K SpectraSync™ Tunable White TRIM CONTINUED Flange Color Options **Reflector Options** Finish not applicable with Standard Clear Standard matches reflector color EM Pre-punched reflector for AM Antimicrobial Coating ⁴ painted reflectors (WC or BC) EM integral test switch and CG Champagne Gold wт White Flange ³ BAA Buy American Act indicator (FAR 52.225-9) Compliant BL BT Black Flange ³ s Specular Black FM Flush Mount Mud-in Ring 5 SS LW Semi-Specular Light Wheat

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
FMR4-R	Flush Mount Mud-In Ring Accessory, 4" Round
LiteGear	LiteGear® Inverter, 125VA-250VA
LPS Series	LightPower Micro-Inverter, 20VA-55VA
MOR4-R-WH	Metal Oversized Ring, 4" Round, White (8.25" outside diameter)
MOR4-R-BL	Metal Oversized Ring, 4" Round, Black (8.25" outside diameter)
LTR-SCA4	Sloped Ceiling Adapter, 4", White ⁹

Pewter

Painted White Cone and Flange

Painted Black Cone and Flange

(See next page for Bezel Trim Accessories for Complex Environments) 10

PW

wc

вс

- Notes 1
 - Must select 2230TD with DMTW driver.
- 2 Must select either 2750T or 2765T with DMT driver.
- WT not needed for WC, BT not needed for BC. 3
- AM available with WC or Specular Clear (S or SWT). Consult factory for other colors 4
- 5 Flush Mount Flange (FM) requires FMR accessory (sold separately).
- 6 Housing options (except Fuse, BAA/TAA) not available in combination.
- 7 IC. CP available in 06L
- 8 Not available with Control options.
- 9 Specify slope angle 5°-35° in 5° increments. Not available with EM or FM options.
- 10 See next page for option restrictions when using with bezel trim accessories



MFC

vs

vss

American Matte™

Softalow[®] SoftSheen™

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ACCESSORIES CONTINUED

Bezel Trim Accessories 1, 2, 3, 4

For more demanding environments, LITEISTRY™ offers bezel trim accessories that can be field installed onto standard housing/trim assemblies and are available with antimicrobial trim finish and/or vandal resistant hardware options.

FEATURES:

LTR-4RD-CE-WT

LTR-4RD-CE-WTAM

LTR-4RD-CEVR-WT

LTR-4RD-CEVR-WTAM

- · Marine grade die cast aluminum bezel trim with low-copper alloy for durability
- Shatter resistant, 1/4" clear polycarbonate lens, completely flush for easy wipe down
- · Closed cell silicone gasket protects against dust and water ingress
- · Suitable for wet locations, covered ceiling
- IP66/IP69K rated (room side) when properly installed per installation instructions

Vandal Resistant (Includes stainless steel Torx® screws with tamper resistant center pin reject)

White Antimicrobial

Bezel Trim Accessory, IP66/IP69K, 4" Round, White

Bezel Trim Accessory, IP66/IP69K, 4" Round, White Antimicrobial

Bezel Trim Accessory, Vandal Resistant/IP66/IP69K, 4" Round, White

Bezel Trim Accessory, Vandal Resistant/IP66/IP69K, 4" Round,

• Meets IK10 per IEC 60068-2-75 impact testing

Complex Environment (Includes stainless steel Philips head screws)

· Optional anti-microbial (AM) trim finish





Dimensional Data			
Aperture Opening Ø 4.00" (101.6 mm)			
Overall Flange Ø 7.67" (194.8 mm)			
Trim Height	0.42" (10.7 mm)		
Ceiling Cutout	Ø 6.50" (165.1 mm)		
Ceiling Thickness	0.50" to 2.00" (12.7 mm to 50.8 mm)		

Notes:

- Available up to 4000 Max Lumens. 1
- 2 Not available in combination with EM or FM options.
- Not available in combination with FMR. LTR-MOR or LTR-SCA accessories. 3
- Refer to all Installation Instructions for complete details. 4

NX LIGHTING CONTROLS

Control Option Ordering Logic & Description		Control Option Functionality										
		Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Control Option Components		
NX Wireless	ess NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor		\checkmark	\checkmark	\checkmark	Ι	-	\checkmark	\checkmark	\checkmark	6	NXRM2-H
NX Wired	NXE	NX Wired Dual RJ45 SmartPORTS, without Sensor	\checkmark	\checkmark	\checkmark	-	-	\checkmark	\checkmark	$\sqrt{1}$	-	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

Current

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SPECTRASYNC[™] COLOR TUNING TECHNOLOGY

Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync[™] Color Tuning Technologies.

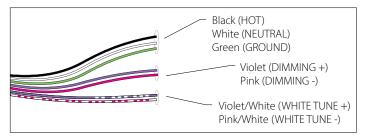
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CATALOG #:	

SpectraSync

SPECTRASYNC COLOR TUNING TECHNOLOGY				
Mode Kelvin Range Description				
Dim to Warm	2200K-3000K	Mimics the familiar warming effect that occurs with traditional incandescent sources as they are dimmed		
Tunable White	2700K-5000K 2700K-6500K			
Scheduled White	2700K-5000K 2700K-6500K	Mimics the rhythm of natural light or follows an alternative user-defined schedule throughout the day, enhancing an occupant's mood and well-being		

SpectraSync Tunable White

Available in two options: 2750T (2700K-5000K) or 2765T (2700K-6500K). Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

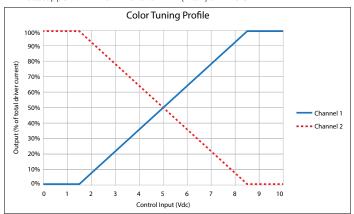


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and pink/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

Controller Manufacturer Data

SpectraSync Tunable White was designed to be used with sinking style dimmers (provided by others) and is compatible with:

- Current: NX Lighting Controls Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DVTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers

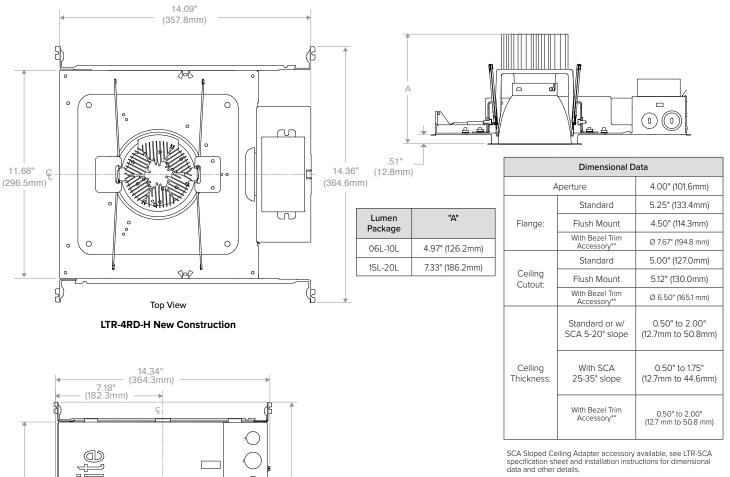


To enable scheduling and for use with NX wall control preset stations please refer to SpectraSync technical shee

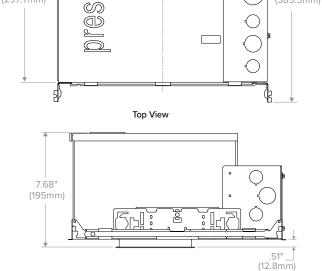


LOCATION: DATE: PROJECT: TYPE: CATALOG

DIMENSIONS



* For complete details on Bezel Trim Accessories, see Accessory section on Page 3 and Bezel Trim Installation Instructions on currentlighting.com/prescolite.



Dimensional Data					
Δ	perture	4.00" (101.6mm)			
Flange	Standard	5.25" (133.4mm)			
Flange:	Flush Mount	4.50" (114.3mm)			
Ceiling	Standard	5.00" (127.0mm)			
Cutout:	Flush Mount	5.12" (130.0mm)			
Ceiling	Standard or w/ SCA 5-20° slope	0.50" to 2.00" (12.7mm to 50.8mm)			
Thickness:	With SCA 25-35° slope	0.50" to 1.75" (12.7mm to 44.6mm)			

SCA Sloped Ceiling Adapter accessory available, see LTR-SCA specification sheet and installation instructions for dimensional data and other details.

Current

11.72'

(297.7mm)^C

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14.39"

(365.5mm)



DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

PHOTOMETRY

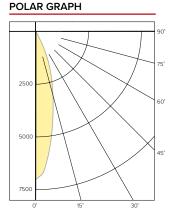
LTR-4RD-H-ML20L-DMTW / LTR-4RD-T-ML2230TD9NRS

LUMINAIRE DATA

Test No.	19.01948
Description	2000 lm, Narrow, 3000K, 90 CRI
Delivered Lumens	2184
Watts	36.4W
Efficacy	60.0
Mounting	Recessed
Spacing Criterion	0.4
Beam Angle (FWHM)	29

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2158	98.8
0-60	2183	99.9
0-90	2184	100.0
0-180	2184	100.0



CANDELA DISTRIBUTION

Dograa	Candela
Degree	Calificeia
0	7034
5	6209
15	3254
25	1250
35	221
45	22
55	2
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	3838
55°	430
65°	292
75°	0
85°	0

*Candela/Square Meter

LTR-4RD-H-ML20L-DMTW / LTR-4RD-T-ML2230TD9MDS

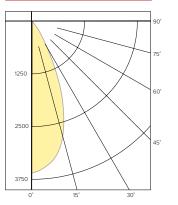
LUMINAIRE DATA

Test No.	19.01947
Description	2000 lm, Medium, 3000K, 90 CRI
Delivered Lumens	2006
Watts	36.4W
Efficacy	55.1
Mounting	Recessed
Spacing Criterion	0.7
Beam Angle (FWHM)	44

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1967	98.1
0-60	2005	99.9
0-90	2006	100.0
0-180	2006	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	3604
5	3478
15	2826
25	1406
35	351
45	34
55	3
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	5931
55°	645
65°	292
75°	0
85°	0

*Candela/Square Meter

LTR-4RD-H-ML20L-DMTW / LTR-4RD-T-ML2230TD9WDS

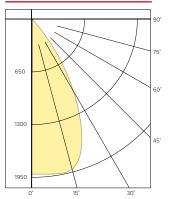
LUMINAIRE DATA

Test No.	19.01946
Description	2000 lm, Wide, 3000K, 90 CRI
Delivered Lumens	1795
Watts	36.4W
Efficacy	49.3
Mounting	Recessed
Spacing Criterion	0.9
Beam Angle (FWHM)	61

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1733	96.5
0-60	1793	99.9
0-90	1795	100.0
0-180	1795	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

ANDELA DISTRIBUTION	
Degree	Candela
0	1909
5	1918
15	1915
25	1429
35	604
45	54
55	4
65	2
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	9420
55°	860
65°	584
75°	0
85°	0

*Candela/Square Meter

Current

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DATE: LOCATION: TYPE: PROJECT: CATALOG #:

PHOTOMETRY CONTINUED

LTR-4RD-H-ML20L-DMTW / LTR-4RD-T-ML2230TD9XWS

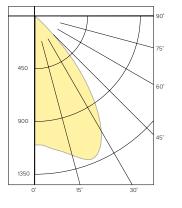
LUMINAIRE DATA

Test No.	19.01945
Description	2000 lm, Extra Wide, 3000K, 90 CRI
Delivered Lumens	1771
Watts	36.4W
Efficacy	48.6
Mounting	Recessed
Spacing Criterion	1.2
Beam Angle (FWHM)	78

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1577	89.0
0-60	1769	99.9
0-90	1771	100.0
0-180	1771	100.0





CANDELA DISTRIBUTION

Degree	Candela	
0	1100	
5	1117	
15	1230	
25	1282	
35	879	
45	210	
55	5	
65	2	
75	1	
85	0	
90	0	

LUMINANCE DATA*

Vertical Angle	Average
45°	36632
55°	1075
65°	584
75°	477
85°	0

*Candela/Square Meter

Current

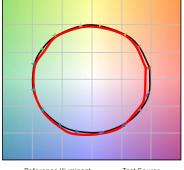


LOCATION: DATE: TYPE: PROJECT: CATALOG #:

TM-30 DATA

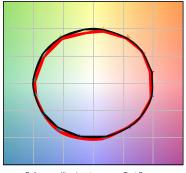
SPECTRASYNC[™] TUNABLE WHITE (2765T)

COLOR VECTOR GRAPHIC 2700K, 90+ CRI



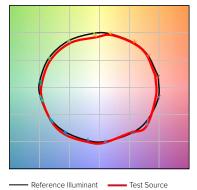
Reference Illuminant
 Test Source

COLOR VECTOR GRAPHIC 4600K, 90+ CRI



 Reference Illuminant Test Source

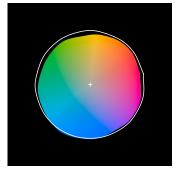
COLOR VECTOR GRAPHIC 6500K, 90+ CRI



COLOR DISTORTION GRAPHIC 2700K, 90+ CRI



COLOR DISTORTION GRAPHIC 4600K, 90+ CRI



COLOR DISTORTION GRAPHIC 6500K, 90+ CRI



TEST RESULTS - TUNABLE WHITE @ 1500 LUMENS (NOMINAL)			
Value	2700K	4600K	6500K
Luminous Flux (Im)	1407	1604	1660
Wattage (W)	23.9	24.3	24.6
Efficacy (Im/W)	59	66	68
R _f	90	89	87
R _g	97	98	96
CCT (K)	2817	4588	6518
D _{uv}	-0.0013	-0.0040	0.0018
X	0.4482	0.3565	0.3131
У	0.4047	0.3531	0.3273
CIE R _a	91	95	94
CIE R ₉	47	81	76

Current

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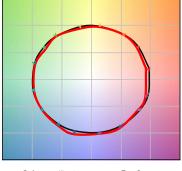


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TYPE:	PROJECT:
CATALOG #:	

TM-30 DATA CONTINUED

SPECTRASYNC[™] DIM TO WARM (2230TD)

COLOR VECTOR GRAPHIC 3000K, 90+ CRI @ 100%

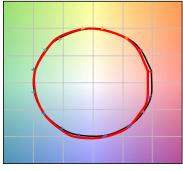


COLOR DISTORTION GRAPHIC 3000K, 90+ CRI @ 100%



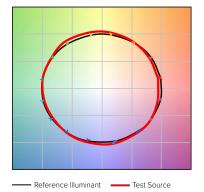
– Reference Illuminant 🛛 – Test Source

COLOR VECTOR GRAPHIC 2600K, 90 CRI @ 50% DIM



 Reference Illuminant Test Source

COLOR VECTOR GRAPHIC 2200K, 90 CRI @ 5% DIM



COLOR DISTORTION GRAPHIC 2600K, 90 CRI @ 50% DIM



COLOR DISTORTION GRAPHIC 2200K, 90 CRI @ 5% DIM



TEST RESULTS - DIM TO WARM @ 3 DIMMING LEVELS			
Value	100%	50% Dim	5% Dim
Luminous Flux (Im)	1501	772	53
Wattage (W)	24.3	14	3.4
Efficacy (Im/W)	62	55	16
R _f	90	92	91
R _g	97	99	102
CCT (K)	3123	2590	2282
D _{uv}	-0.0017	-0.0015	-0.0029
х	0.4261	0.4662	0.4907
У	0.3965	0.4082	0.4068
CIE R _a	92	93	93
CIE R ₉	53	60	64



DATE:	LOCATION:
TYPE:	PROJECT:
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ELECTRICAL DATA

DRIVER DATA		
Input Voltage	120-277 V	
Input Frequency	50/60 Hz	
Power Factor	≥0.90	
THD	<20%	
EMI Filtering (FCC 47 CFR Part 15)	Class A	

ADDITIONAL 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.

Bezel Trim Accessories for Complex Environments

See installation instructions on currentlighting.com/prescolite for complete details.

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.