

FEATURES

- 3" architectural LED downlight and wall wash cylinder delivering 600 up to 2000 lm
- Five beam distributions from 0.3 to 1.1 Spacing Criteria
- Quiet reflector appearance with 50° optical cutoff
- 2700K–5000K, 80+ and 90+ CRI options
- Available in Surface, Wall, Pendant, or Cord Mount configurations
- Versatile canopy options for recessed and surface-mounted J-box applications
- Variety of dimming protocol options including 0–10V, DALI, DMX, and Lutron EcoSystem

LITEISTRY™



CONTROLS TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Seamless heavy gauge aluminum cylinder body with a clean appearance
- Available in Surface (S), Wall (W), Pendant (P), or Cord (CM) mounting types
- Canopy options include Conduit Canopy (CC), Power Canopy (PC), Power Conduit Canopy (PCC), or Recessed Mount Driver (RMD). (See Dimensions section for details)
- For S, P, or CM mounting with PCC canopy options, use 4" octagonal junction box (by others)
- Wall Mount: Die cast aluminum mounting arm allows direct mounting to standard 4" octagonal or square junction box
- Pendant Mount canopy options allow sloped ceiling up to 35° (5° for RMD)
- Select from 4 standard architectural painted finishes, Brushed Aluminum, or specified custom color

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, self-flanged
- Large selection of anodized finishes and colors
- Painted cones and flange options available

ELECTRICAL

- Chip-on-board LED with 2 SDCM
- Multiple CCTs, 80+ or 90+ CRI
- Long LED life: L90 at >55,000 (TM-21)

ELECTRICAL (CONTINUED)

- 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
- Lutron Athena control options also available

INSTALLATION

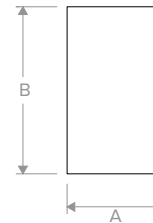
- Light Engine/Trim assembly is mechanically secured and includes a retention cable for ease of installation
- A quick connect is provided for easy maintenance or upgrade
- Recessed Mount Driver (RMD) is accessible from above or below ceiling; assembly mounts with 1/4-20 threaded rod (by others) and requires 6" plenum clearance
- Conduit Canopy options (CC or PCC) allow field selectable conduit entry (up to 4@ 90°) (See Dimensions section)
- Conduit Canopy utilizes a patent pending mounting yoke to secure cylinder to the ceiling surface
- Cord can be cut in the field to custom length
- Standard and Custom Pendant lengths available (specify when ordering)

CERTIFICATIONS

- cCSAus certified to UL 1598
- Wall Mount (except CC and PCC): Suitable for wet locations
- Pendant Mount (except PCC): Suitable for wet locations under covered ceiling
- Surface, Cord Mount, all CC and PCC, and all Wall Wash: Suitable for damp locations
- 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



Typical Dimensions and Weights			
Lumen Package	"A" Diameter Inches (mm)	"B" Height Inches (mm)	Weight lbs (kg)
06–20L	4 (102)	7 (178)	7.5 (3.4)

See DIMENSIONS section for complete details

KEY DATA	
Lumen Range	600–2000
Wattage Range	8–25
Efficacy Range (LPW)	80–86*
Reported Life (Hours)	L90 / >55,000
Input Current (mA)	67–208 (120V)

*Based on Specular, 35K, 80 CRI

ORDERING GUIDE

Example: LTC-3RD-CM15WHPCC-15L35K9WD-DM1-SS-WH

CATALOG #

LTC-3RD					
Aperture/Shape/Function	Cylinder Mounting	Canopy Option	Lumen Output	CCT	CRI
LTC-3RD 3" Round Downlight Cylinder	S Surface	Refer to chart on Page 3 for available canopy options based on driver/controls selection	06L 600 Lumens ³	27K 2700K	8 80+ CRI
LTC-3RDS 3" Round Shallow Downlight Cylinder ⁷	W Wall		10L 1000 Lumens ³	30K 3000K	9 90+ CRI
LTC-3RW 3" Round Wall Wash Cylinder	P Pendant (Standard) Nominal 18" length from cylinder top to ceiling ¹⁰	Standard Canopy ^{3,9}	15L 1500 Lumens ³	35K 3500K	
LTC-3RWS 3" Round Shallow Wall Wash Cylinder ⁷	P_ Pendant (Custom) Specify length from cylinder top to ceiling in 1 inch increments from 15 to 60 ¹⁰	CC Conduit Canopy ^{3,9}	20L 2000 Lumens ³	40K 4000K	
		PC Power Canopy ^{3,9}		50K 5000K ¹	
		PCC Power Conduit Canopy ^{3,9}			
		RMD Recessed Mount Driver ^{3,9}			
	Cord ⁵				
	CM 6ft Clear Cord				
	CMBL 6ft Black Cord				
	CMWH 6ft White Cord				
	CM15 15ft Clear Cord				
	CM15BL 15ft Black Cord				
	CM15WH 15ft White Cord				

Distribution	Driver Options	Control Options	Voltage	Reflector Finish	Reflector Color
VNR Very Narrow (0.3 SC/20°) ⁸	DM1 0-10V Dimming to 1% ³	NX Lighting Controls	Standard 120-277V	Finish not applicable with painted reflectors (WC or BC)	Standard Clear
NR Narrow (0.4 SC/29°)	DM01 0-10V Dimming to <1% ³	Networked Wireless	34 347V ^{3,6}		CG Champagne Gold
MD Medium (0.7 SC/53°)	DMX DMX with RDM dimming to <0.1% ³	NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{2,3}		S Specular	BL Black
WD Wide (1.0 SC/59°)	DALI DALI Dimming to 1% ³	Networked Wired		SS Semi-Specular	LW Light Wheat
XW Extra Wide (1.1 SC/66°)	EDM Lutron Hi-Lume EcoSystem Dimming to 1% ³	NXE NX Wired Dual RJ45 SmartPORTS, without Sensor ^{2,3}		MFC American Matte™	PW Pewter
WW Wall Wash	DM00 Lutron Athena compatible driver option ^{3,12}	Other Lighting Controls		VS Softglow®	WC Painted White Cone and Flange
		Networked Wireless		VSS SoftSheen™	BC Painted Black Cone and Flange
		AWNRLutron Athena Enabled ^{3,12}			

Flange Color Options	Exterior Cylinder Color	Options
Standard matches reflector color	BA Brushed Aluminum ¹¹	BAA Buy American Act (FAR 52.225-9) Compliant
WT White Flange ⁴	BZ Bronze	TAA Trade Agreements Act (FAR 52.225-11) Compliant
BT Black Flange ⁴	BL Matte Black	
	WH Matte White	
	SVR Silver	
	CC_ Custom Color (Specify RAL#, Example: CCRAL1073)	
	TCC_ True Custom Color (Specify description, Example: TCC BABY BLUE, Paint chip must be provided to match)	

Notes:

- 5000K available in 80+ CRI only.
- NX requires DM1 driver option.
- For lumen outputs/configurations available, see chart on page 3.
- WT not needed for WC, BT not needed for BC.
- Cord can be cut in the field to custom length.
- 347V requires DM1 driver; not available with Controls.
- Available in Wall Mount only.
- VNR available up to 15L.
- See Dimensions section for canopy configuration details.
- Stem length varies by canopy configuration. See Dimensions section for details.
- Canopy and metal accent color for Brushed Aluminum is Black.
- DM00 must be selected with AWNR Lutron Athena controls option.

DRIVER/CONTROL OPTION AVAILABILITY

Driver and Control options listed below are available in the configurations and lumen packages as shown.

For LTC-3RD and LTC-3RW:

Driver/Control Option		Cylinder Mounting ¹	Canopy Options ²	06L	10L	15L	20L
DM1	0–10V 1%	W	Standard/CC	●	●	●	●
		P/S/CM	PC/PCC/RMD ⁵	●	●	●	●
DM01	0–10V <1%	W	Standard/CC	●	●	●	●
		P/S/CM	PC/PCC/RMD	●	●	●	
DALI	DALI 1%	W	Standard/CC	●	●	●	●
		P/S/CM	PC/PCC/RMD	●	●	●	
DMX	DMX w/ RDM <0.1%	W	Standard/CC	●	●	●	●
		P/S/CM	PC/PCC/RMD ⁵	●	●	●	●
EDM	Lutron Hi-Lume EcoSystem 1%	W	Standard/CC		●	●	●
		P/S/CM	PC/PCC/RMD		●	●	●
347V ³	347 Volts (DM1 required)	W	Standard/CC	●	●	●	●
		P/S/CM	PC/PCC/RMD ⁵	●	●	●	●

NXE	NX Wired (DM1 required)	W	PC/PCC	●	●	●	●
		P/S/CM	PC/PCC/RMD	●	●	●	●
NXW	NX Wireless (DM1 required)	W	PC/PCC	●	●	●	●
		S	RMD	●	●	●	●
		P/CM	PC/PCC/RMD	●	●	●	●
DM00/AWNR	Lutron Athena 0–10V Dim to Off	W	PC/PCC	●	●	●	●
		S	RMD	●	●	●	●
		P/CM	PC/PCC/RMD	●	●	●	●



For LTC-3RDS and LTC-3RWS Shallow Cylinder Body:

Driver/Control Option		Cylinder Mounting	Canopy Options	06L	10L	15L	20L
DM1	0–10V 1%	W	PC/PCC	●	●	●	●
DM01	0–10V <1%	W	PC/PCC	●	●	●	●
DALI	DALI 1%	W	PC/PCC	●	●	●	●
DMX	DMX w/ RDM <0.1%	W	PC/PCC	●	●	●	●
EDM	Lutron Hi-Lume EcoSystem 1%	W	PC/PCC		●	●	●
347V ³	347 Volts (DM1 required)	W	PC/PCC	●	●	●	●
NXE	NX Wired (DM1 required)	W	PC/PCC	●	●	●	●
NXW	NX Wireless (DM1 required)	W	PC/PCC	●	●	●	●
DM00/AWNR	Lutron Athena 0–10V Dim to Off	W	PC/PCC	●	●	●	●

- 1 See Cylinder Mounting chart.
- 2 See Canopy Options chart and Dimensions section for details.
- 3 Not available with Controls.
- 4 RMD is Non-IC rated unless noted.
- 5 IC Rated.

Cylinder Mounting		Canopy Options	
S	Surface Mount	(Blank)	Standard Canopy
W	Wall Mount	CC	Conduit Canopy
P	Pendant Mount	PC	Power Canopy
CM	Cord Mount	PCC	Power Conduit Canopy
		RMD	Recessed Mount Driver ⁴

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

OTHER 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		
Other	AWNDR	The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system. ¹	✓	✓	-	-	-	✓	✓	-		A-WN-D01-RF-WH

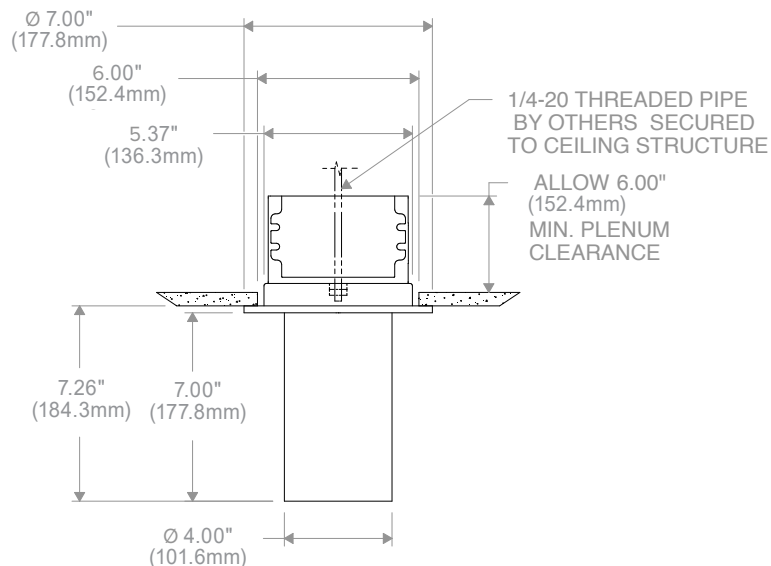
¹ Lutron Athena Hub required to enable Networking, Grouping and Scheduling.

PERFORMANCE DATA TABLE

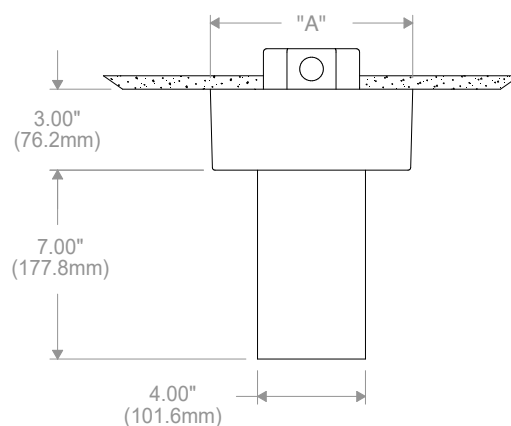
Performance data provided below is for 3500K, 80 CRI with Specular Clear reflector finish/color

Lumen Package	Nominal Lumens	Distribution	Delivered Lumens	Watts	LPW
06L	600	Very Narrow	689	8.0	87
		Narrow	744	7.8	95
		Medium	641	7.8	82
		Wide	663	7.8	85
		Extra Wide	636	7.8	82
		Open Single Wall Wash	560	7.8	72
10L	1000	Very Narrow	1099	12.6	87
		Narrow	1198	11.9	101
		Medium	1032	11.9	87
		Wide	1067	11.9	90
		Extra Wide	1024	11.9	86
		Open Single Wall Wash	901	11.9	76
15L	1500	Very Narrow	1502	18.6	81
		Narrow	1733	18.6	93
		Medium	1493	18.6	80
		Wide	1544	18.6	83
		Extra Wide	1482	18.6	80
		Open Single Wall Wash	1304	18.6	70
20L	2000	Narrow	2103	25.1	84
		Medium	1952	25.1	78
		Wide	1985	25.1	79
		Extra Wide	1945	25.1	77
		Open Single Wall Wash	1804	24.2	75

Driver/ Controls	"A"
Standard	Ø5.75" (146.1mm)
DMX/NXW/NXE/AWNR	Ø7.50" (190.5mm)

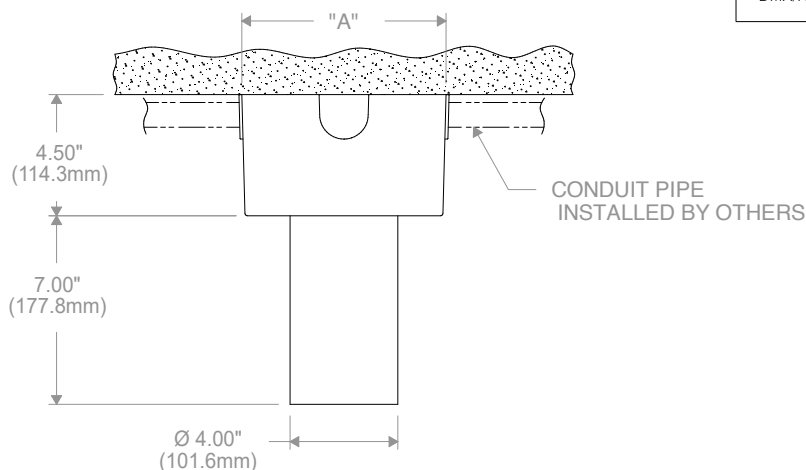


Surface Recessed Mount Driver SRMD



**Surface
Power Canopy
SPC**

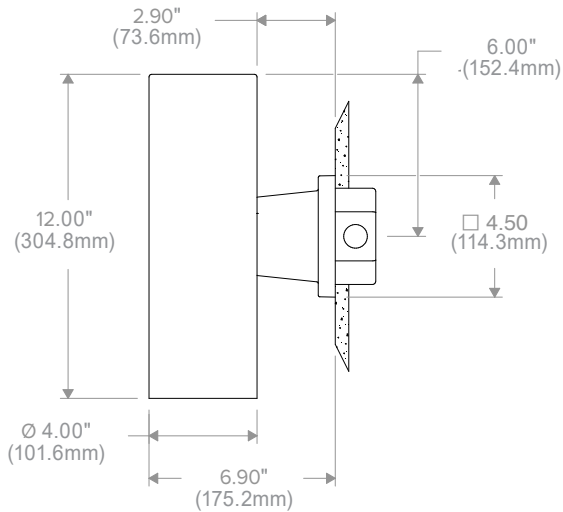
Driver/ Controls	"A"
Standard	Ø5.83" (148mm)
DMX/NXW/NXE/AWNR	Ø7.58" (192.5mm)



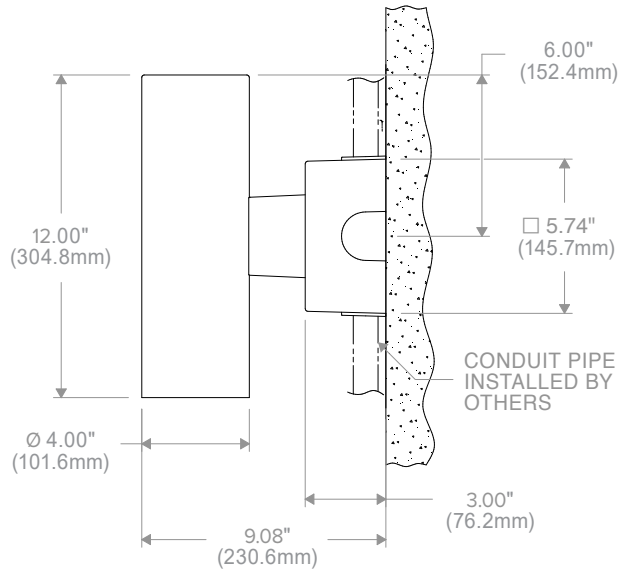
Surface Power Conduit Canopy SPCC

DIMENSIONS

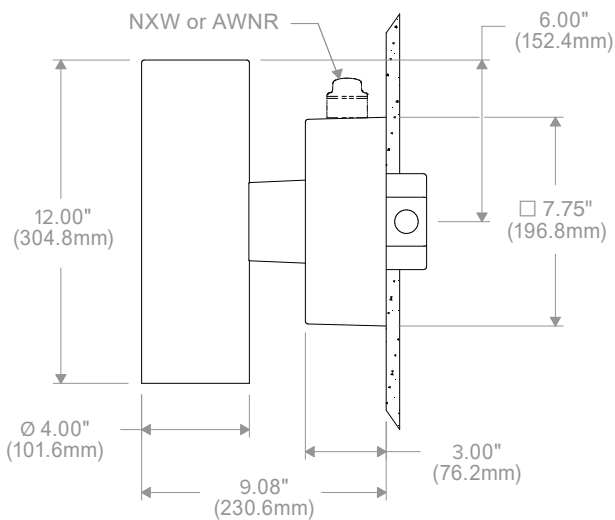
**LTC-3RD
(12" CYLINDER BODY)
WALL (W)**



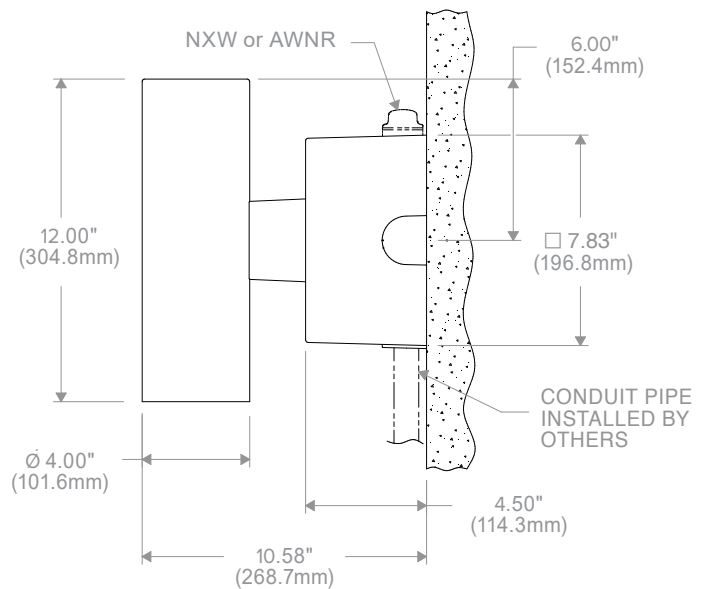
**Wall
Standard Canopy
W**



**Wall
Conduit Canopy
WCC**

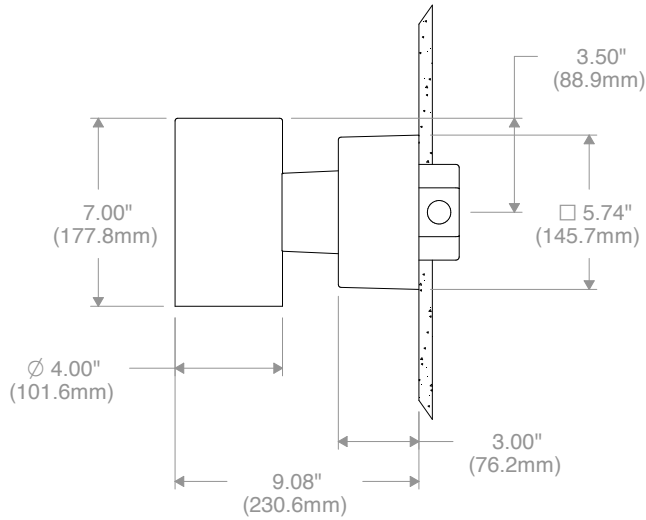


**Wall
Power Canopy
WPC**

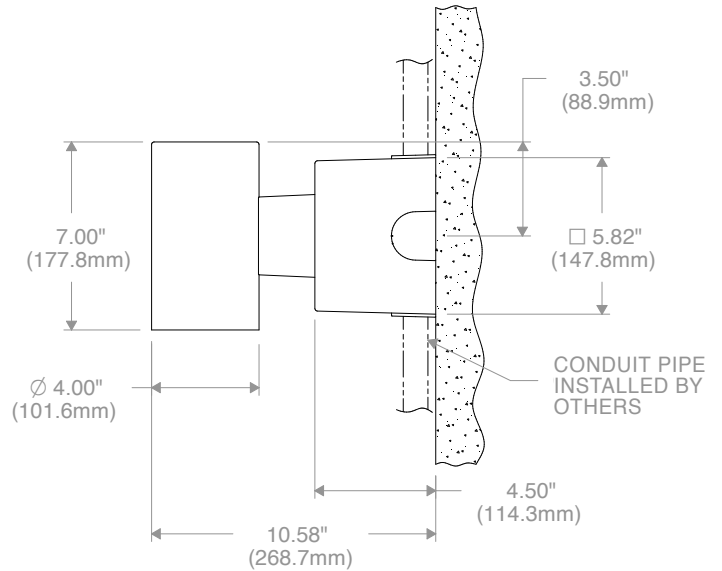


**Wall
Power Conduit Canopy
WPCC**

**LTC-3RDS
(7" CYLINDER BODY)
WALL (W)**

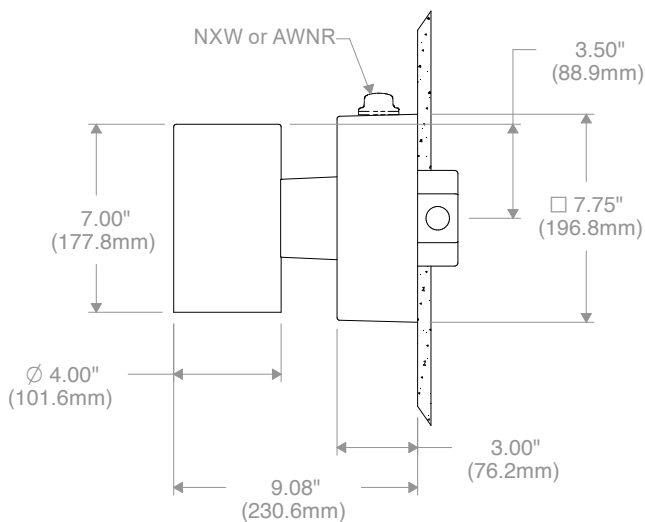


**Wall
Power Canopy
WPC**

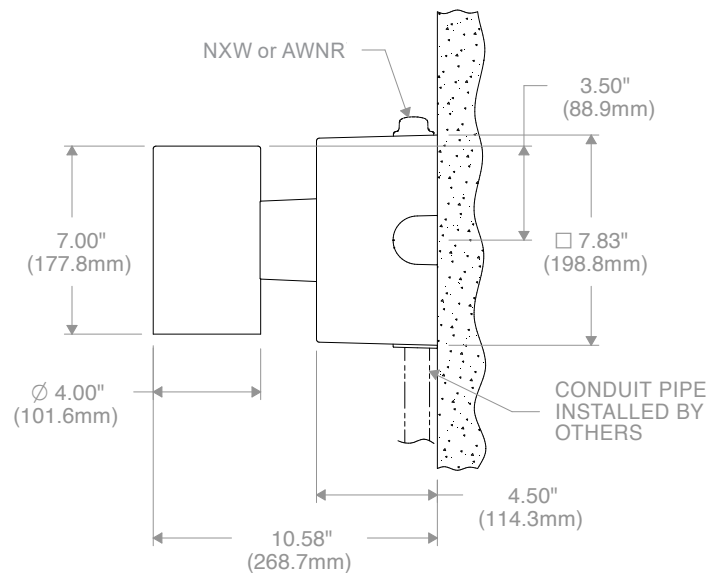


**Wall
Power Conduit Canopy
WPCC**

(FOR DMX OR CONTROLS OPTIONS ONLY)



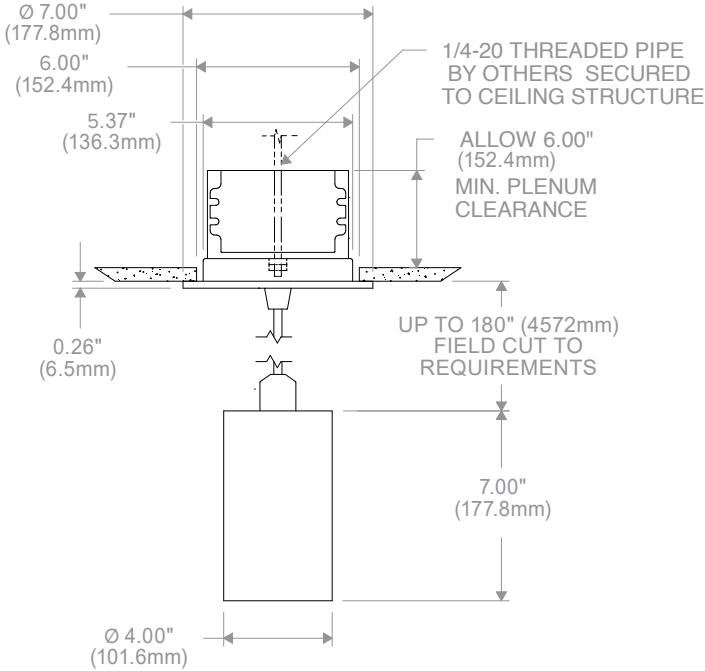
**Wall
Power Canopy
WPC**



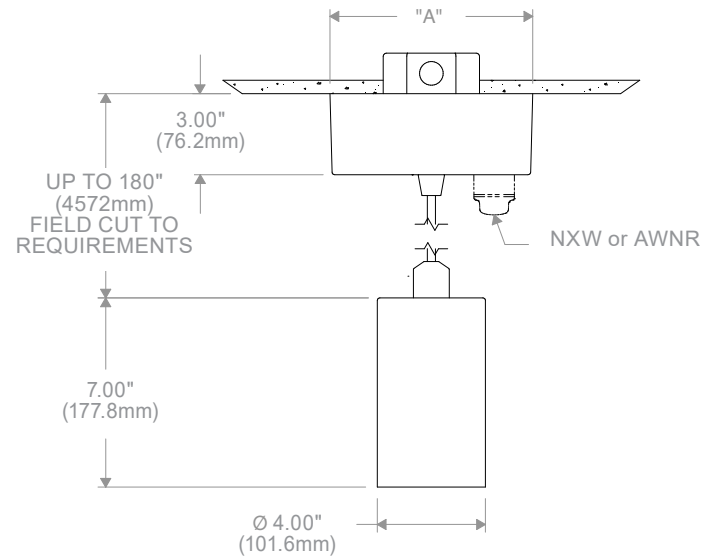
**Wall
Power Conduit Canopy
WPCC**

DIMENSIONS

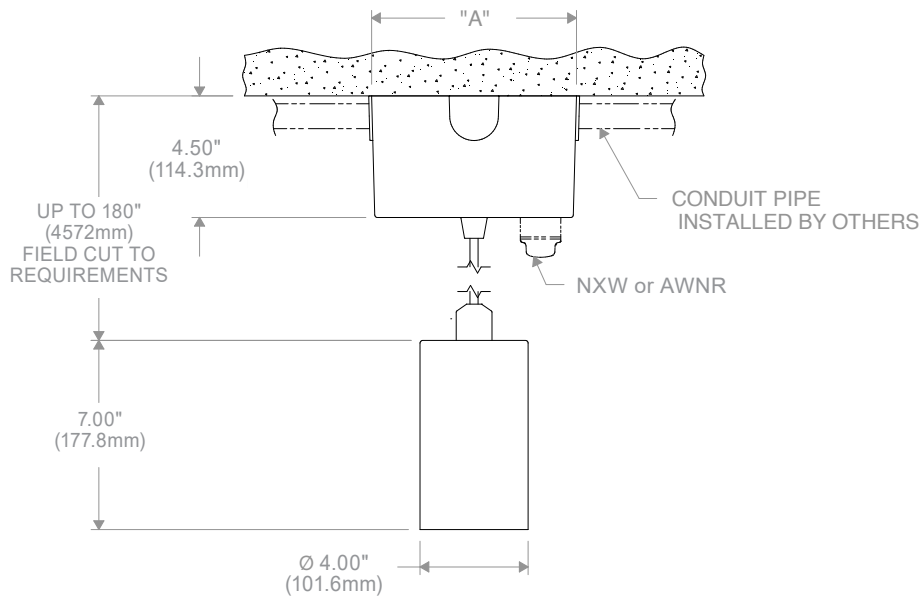
LTC-3RD (7" CYLINDER BODY) CORD (CM)



Driver/ Controls	"A"
Standard	Ø5.75" (146.1mm)
DMX/NXW/NXE/AWNR	Ø7.50" (190.5mm)



Cord Recessed Mount Driver CMRMD

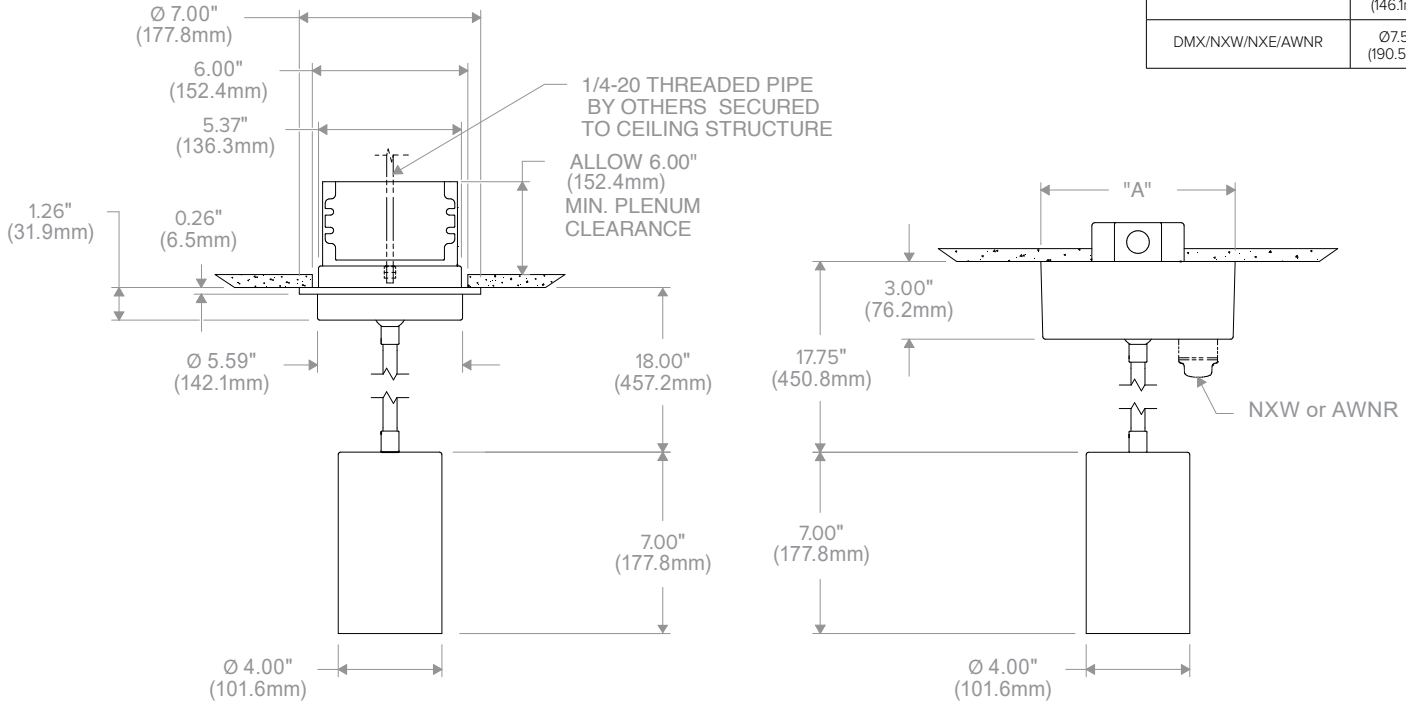


Driver/ Controls	"A"
Standard	Ø5.83" (148mm)
DMX/NXW/NXE/AWNR	Ø7.58" (192.5mm)

Cord Power Conduit Canopy CMPCC

DIMENSIONS

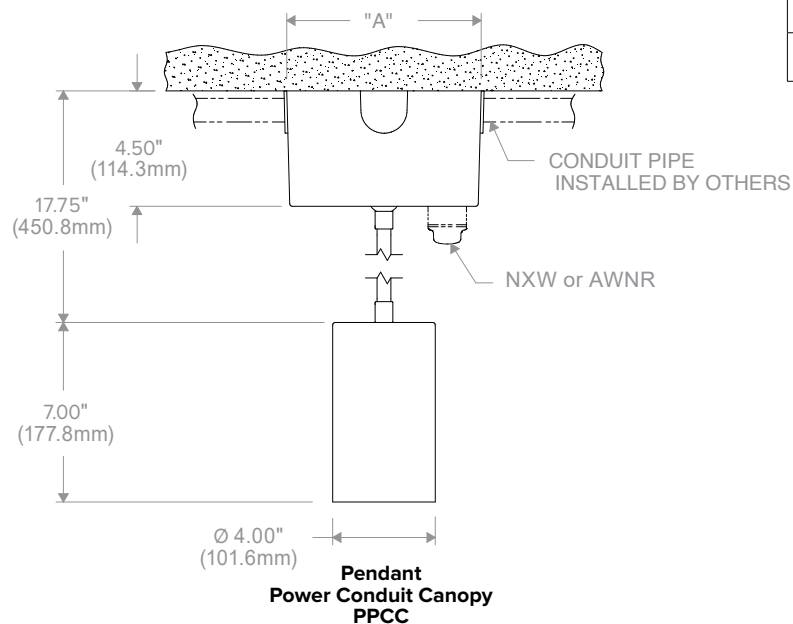
**LTC-3RD
(7" CYLINDER BODY)
PENDANT (P)**



Driver/ Controls	"A"
Standard	Ø5.75" (146.1mm)
DMX/NXW/NXE/Awnr	Ø7.50" (190.5mm)

**Pendant
Recessed Mount Driver
PRMD**

**Pendant
Power Canopy
PPC**

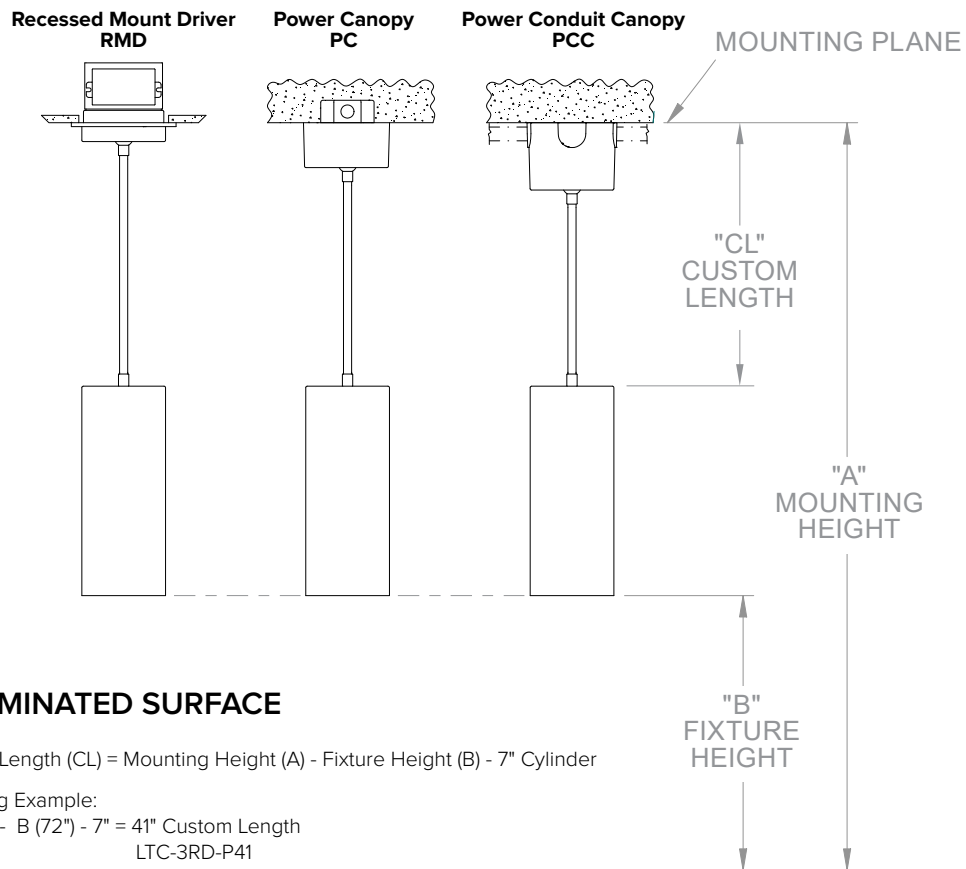


Driver/ Controls	"A"
Standard	Ø5.83" (148mm)
DMX/NXW/NXE/Awnr	Ø7.58" (192.5mm)

**Pendant
Power Conduit Canopy
PPCC**

DIMENSIONS

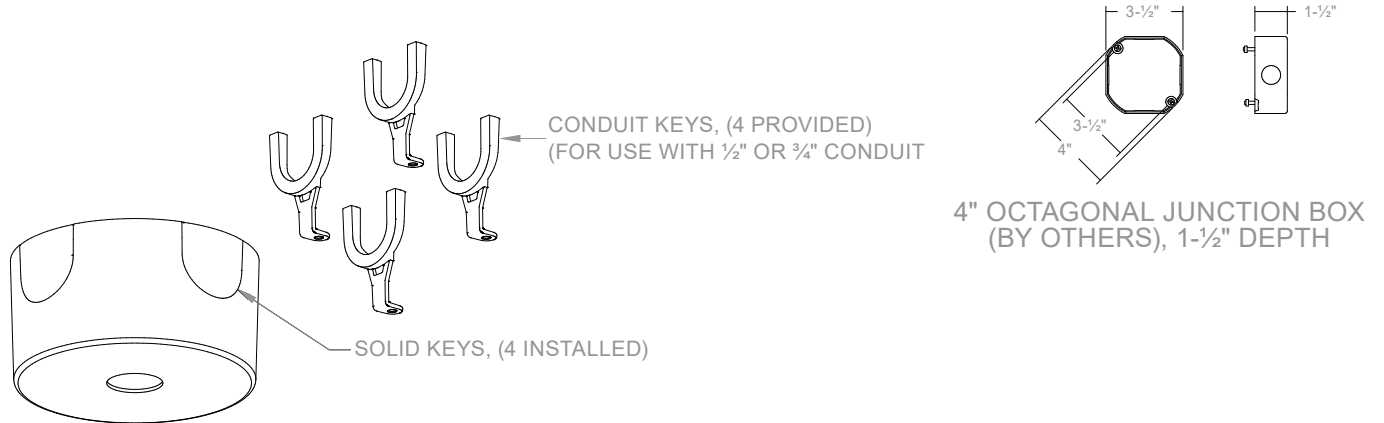
PENDANT CUSTOM LENGTH



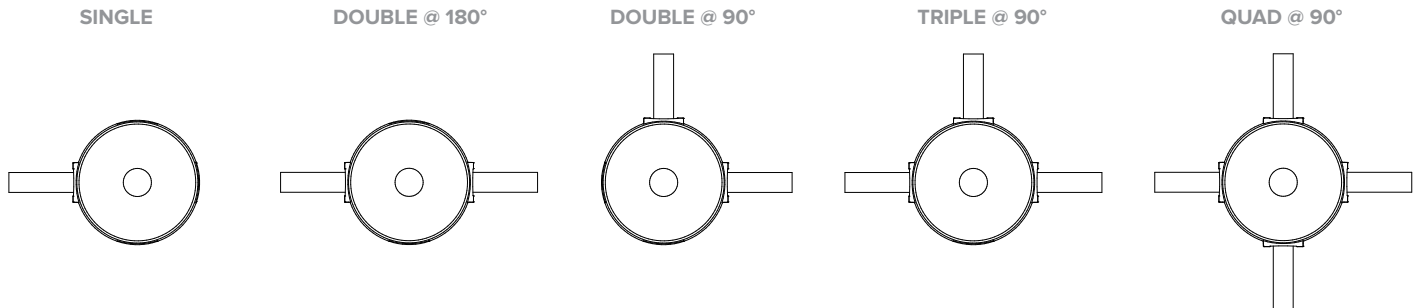
DIMENSIONS

CONDUIT CANOPY DETAILS

CC and PCC Conduit Canopy options come standard with (4) Solid Keys installed and (4) Conduit Keys provided.
Accommodates a 4" octagonal junction box with 1-1/2" depth (by others).



CONDUIT MOUNTING EXAMPLES - FIELD INTERCHANGEABLE



PHOTOMETRY

LTC-3RD-P-15L35K8VNR-DM1-S-BL

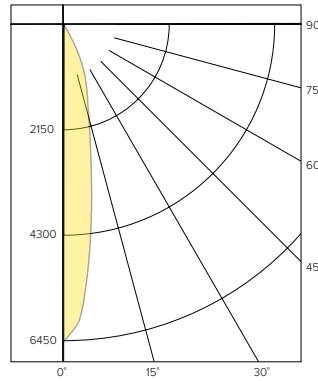
LUMINAIRE DATA

Test No.	R20.01326-C01
Description	1500 lm, Very Narrow, 3500K, 80 CRI
Delivered Lumens	1502
Watts	18.6W
Efficacy	81
Mounting	Pendant
Spacing Criterion	0.3
Beam Angle	20

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1482	98.7
0-60	1501	99.9
0-90	1502	100.0
0-180	1502	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	6446
5	5271
15	1980
25	879
35	119
45	18
55	2
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	6078
55°	833
65°	565
75°	0
85°	0

*Candela/Square Meter

LTC-3RD-P-20L35K8NR-DM1-S-BL

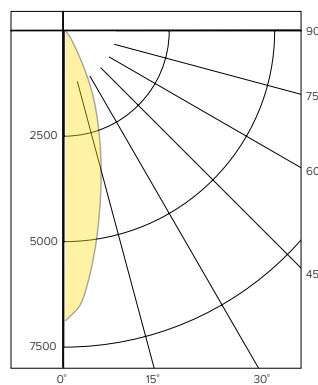
LUMINAIRE DATA

Test No.	19.00506
Description	2000 lm, Narrow, 3500K, 80 CRI
Delivered Lumens	2078
Watts	24.1W
Efficacy	86.4
Mounting	Pendant
Spacing Criterion	0.4
Beam Angle FWHM	29

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2047	98.5
0-60	2077	99.9
0-90	2078	100.0
0-180	2078	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	6859
5	5934
15	2961
25	1243
35	201
45	28
55	2
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	9292
55°	818
65°	555
75°	0
85°	0

*Candela/Square Meter

LTC-3RD-P-20L35K8MD-DM1-S-BL

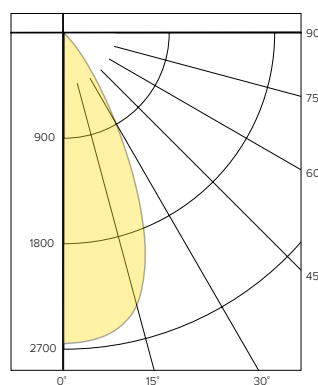
LUMINAIRE DATA

Test No.	19.00507
Description	2000 lm, Medium, 3500K, 80 CRI
Delivered Lumens	1924
Watts	24.4W
Efficacy	78.8
Mounting	Pendant
Spacing Criterion	0.8
Beam Angle FWHM	53

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1869	97.1
0-60	1922	99.9
0-90	1924	100.0
0-180	1924	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	2652
5	2634
15	2406
25	1467
35	453
45	48
55	3
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	15930
55°	1227
65°	555
75°	907
85°	0

*Candela/Square Meter

PHOTOMETRY CONTINUED

LTC-3RD-P-20L35K8WD-DM1-S-BL

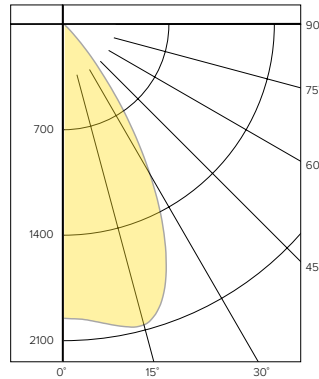
LUMINAIRE DATA

Test No.	19.00509
Description	2000 lm, Wide, 3500K, 80 CRI
Delivered Lumens	1963
Watts	24.4W
Efficacy	80.5
Mounting	Pendant
Spacing Criterion	1.0
Beam Angle FWHM	59

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1887	94.8
0-60	1961	99.9
0-90	1963	100.0
0-180	1963	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	1950
5	1972
15	2062
25	1581
35	658
45	66
55	4
65	2
75	1
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	21903
55°	1636
65°	1111
75°	907
85°	0

*Candela/Square Meter

LTC-3RD-P-20L35K8XW-DM1-S-BL

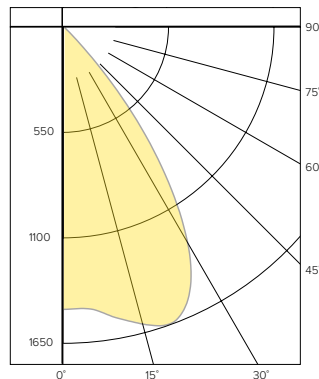
LUMINAIRE DATA

Test No.	19.00508
Description	2000 lm, Extra Wide, 3500K, 80 CRI
Delivered Lumens	1942
Watts	24.4W
Efficacy	79.6
Mounting	Pendant
Spacing Criterion	1.1
Beam Angle FWHM	66

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1836	94.6
0-60	1940	99.9
0-90	1942	100.0
0-180	1942	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	1473
5	1475
15	1605
25	1545
35	890
45	76
55	4
65	2
75	1
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	21571
55°	1636
65°	1111
75°	907
85°	0

*Candela/Square Meter

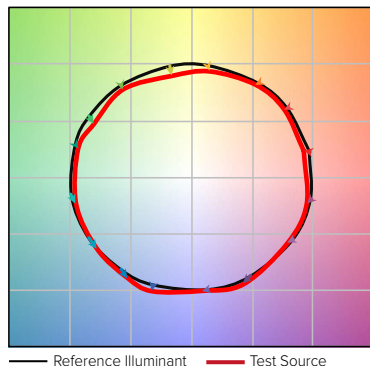
LUMEN MULTIPLIER

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

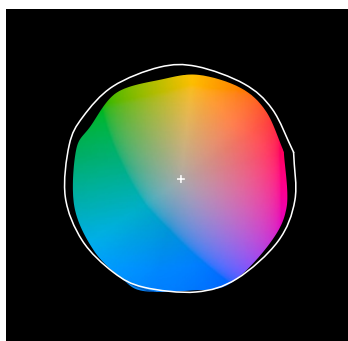
Photometrics are published below at a nominal 3500 Kelvin, 80+ CRI. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

TM-30 DATA

COLOR VECTOR GRAPHIC
3500K, 90 CRI

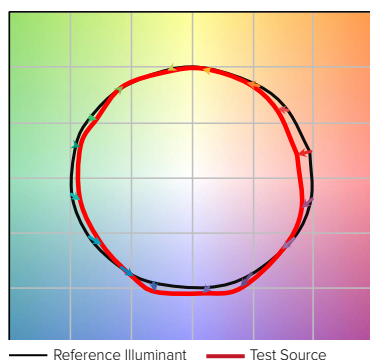


COLOR DISTORTION GRAPHIC
3500K, 90 CRI

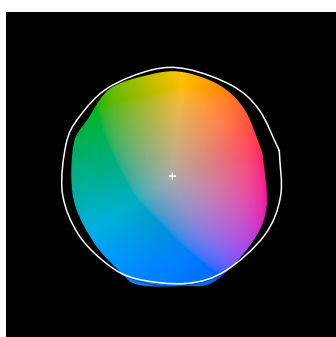


TEST RESULTS - 3500K		
Value	80+ CRI	90+ CRI
R_f	84	88
R_g	95	95
CCT (K)	3411	3419
D_{uv}	0.0015	0.0042
x	0.4120	0.4147
y	0.3974	0.4052
CIE R_a	84	93
CIE R_g	11	62

COLOR VECTOR GRAPHIC
3500K, 80 CRI



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.



LTC-3RDW

LITEISTRY 3" ROUND CYLINDER

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

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.