

LTC-4RDW SpectraSync

LITEISTRY 4" ROUND CYLINDER WITH COLOR TUNING

FEATURES

- 4" architectural LED downlight and wall wash cylinder delivering 600 up to 1500 lm
- · 4 beam distributions from 0.4 to 1.2 Spacing Criteria
- Quiet reflector appearance with 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 in Surface, Wall, Pendant, or Cord Mount configurations
- Versatile canopy options for recessed and surface-mounted J-box applications
- Standard with 0-10V dimming to 5%





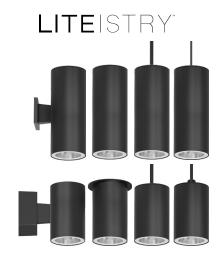




CONTROL TECHNOLOGY



DATE: LOCATION: TYPE: PROJECT: CATALOG #:



A	
В	
•	
	A

Typical Dimensions and Weights						
Lumen Package	"A" Diameter Inches (mm)	"B" Height Inches (mm)	Weight Ibs (kg)			
06L-15L	5.6 (140)	14 (356)	19.4 (8.8)			

See DIMENSIONS section for complete details

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
- · Standard or Conduit Canopy (CC) options
- For S, P, or CM mounting with CC canopy option, use 4" octagonal junction box (by others)
- All 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°
- 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

- 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
- Long LED life: L90 at 55,000 (TM-21)
- Universal voltage 120V–277V driver
- UL Class 2, inherent short circuit and overload protection
- Flicker free 0–10V dimming to 5%
- · Lutron Athena control option available

INSTALLATION

- Light Engine/Trim assembly is mechanically secured with torsion springs for ease of installation
- A quick connect is provided for easy maintenance or upgrade
- Conduit Canopy option (CC) allows field selectable conduit entry (up to 4@ 90°) (See Dimensions section)
- Conduit Canopies utilize 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 up to 10L (except CC): Suitable for wet locations
- Pendant Mount up to 10L (except CC):
 Suitable for wet locations under covered ceiling
- Surface, Cord Mount, all Wall Wash all CC and all 15L: 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

KEY DATA					
Lumen Range	600–1500				
Wattage Range	10-25				
Efficacy Range (LPW)	49-60*				
Reported Life (Hours)	L70 / >60,000				
Input Current (mA)	83–208 (120V)				

*Based on Specular, 30K, 90 CRI





DATE:	LOCATION:
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ORDERING GUIDE

Example: LTC-4RD-CM15WHCC-15L2230TD9WD-DMTW-SS-WH

CATALOG #

LTC-4RD		-							-	-						
Aperture/SI	hape/Function		Cylinder M	ounting		Canopy	Option			Lume	n Output		ССТ			CRI
TC-4RD	4" Round Downlight Cylinder 4" Round Shallow Downlight Cylinder		S W P	Surface Wall Pendant (Standals" length from	,	available on dri	to chart on Page e canopy options iver/controls sele Standard Canop	s base ction	d	06L 10L 15L	600 Lun 1000 Lui 1500 Lui	mens ³	2230TD	Spect	K–3000K :raSync™ o Warm	9 90+ CR
TC-4RW TC-4RWS	4" Round Wall Wash Cylinder		P_	to ceiling ¹⁰ Pendant (Custo Specify length f top to ceiling in	m) rom cylinder	!	Conduit Canopy						2750T	Spect	K–5000K traSync™ ble White	
		-	Cord 5 CM CMBL CMWH CM15 CM15BL CM15WH	increments from 6ft Clear Cord 6ft Black Cord 6ft White Cord 15ft Clear Cord 15ft White Cord	15 to 60 ¹⁰								2765T	Spect	K–6500K :raSync™ ole White	
		_[I		_		1						I
Distribution	ı		Driver Optic	ons	Control Op	tions	Voltage	F	Reflec	tor Finis	sh	Reflec	tor Color		Flange	Color Option
MD Med WD Wid XW Extra	row (0.4 SC/29°) dium (0.7 SC/44°) e (0.9 SC/61°) a Wide (1.2 SC/78°) I Wash	[DMT S T O tc DMOOT L c d S	spectraSync™ Dim to Warm, D-10V Dimming D 5% ^{1,3} SpectraSync™ Funable White, D-10V Dimming D 5% ^{2,3} SpectraSync™ Unable White Unable White Unable White SpectraSync™ Unable White ^{3,10} Unable White ^{3,10} Unable White ^{3,10}	1	ron iena abled ^{3,10}	Standard 120–277V	5 5 N	with p	(WC or E Specula Semi-S	eflectors 8C) ar pecular an Matte™ w®	CG BL LW PW WC	Champagne Black Light Wheat Pewter Painted Whi Cone and Fl Painted Blac Cone and Fl	e Gold te lange		ard matches ector color White Flange ⁴ Black Flange ⁴

Exterior Cylinder Color

BA Brushed Aluminum ⁹BZ Bronze

BL Matte BlackWH Matte WhiteSVR Silver

Custom Color (Specify RAL#, Example: CCRAL1073)

TCC_ True Custom Color

(Specify description, Example: TCC BABY BLUE, Paint chip must be provided to match)

Color

Options

TAA

BAA Buy American Act

(FAR 52.225-9) Compliant Trade Agreements

Act (FAR 52.225-11) Compliant

Notos

- Must select 2230TD with DMTW or DM00T driver.
- 2 Must select either 2750T or 2765T with DMT or DM00T driver.
- 3 For lumen outputs/configurations available, see chart on page 3.
- 4 WT not needed for WC, BT not needed for BC.
- 5 Cord can be cut in the field to custom length.
- 6 15L requires vented cylinder. Not available with WW.
- 7 See Dimensions section for canopy configuration details.
- 8 Stem length varies by canopy configuration. See Dimensions section for details.
- 9 Canopy and metal accent color for Brushed Aluminum is Black.
- 10 DM00T must be selected with AWNR Lutron Athena controls option.





DATE:	LOCATION:
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DRIVER/CONTROL OPTION AVAILABILITY

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

For LTC-4RD and LTC-4RW:

Driver/Con	trol Option	Cylinder Mounting ¹	Canopy Options ²	06L	10L	15L
DMT	0–10V 5%	W	Standard/CC	•	•	•
DIVIT	U-10V 5%	P/S/CM	Standard/CC	•	•	▼
DMTM	2 40 / 50 /	W	Standard/CC	•	•	▼
DMTW	0–10V 5%	P/S/CM	Standard/CC	•	•	▼
		W	PC/PCC	•	•	•
DM00T / AWNR	Lutron Athena 0–10V Dim to Off	S	RMD	•	•	•
7	0 10 1 2 1111 10 0 11	P/CM	PC/PCC	•	•	•

For LTC-4RDS and LTC-4RWS Shallow Cylinder Body:

Driver/Contr	rol Option	Cylinder Mounting Canopy Options		06L	10L
DMT	0. 10\/ F0/	W	PC/PCC	•	•
DMT	0–10V 5%	P/S/CM	PC/PCC	•	•
DMTW	0. 10\/ F0/	W	PC/PCC	•	•
DIVITIV	0–10V 5%	P/S/CM	PC/PCC	•	•
		W	PC/PCC	•	•
DM00T / AWNR	Lutron Athena 0–10V Dim to Off	S	RMD	•	•
	0-10 V Diiii to Oii	P/CM	PC/PCC	•	•

[▼] Vented cylinder required, see line art for more details.

Cylinder Mounting					
S Surface Mount					
w	Wall Mount				
Р	Pendant Mount				
СМ	Cord Mount				

Canopy Options					
(Blank) Standard Canopy					
СС	Conduit Canopy				

¹ See Cylinder Mounting chart.

² See Canopy Options chart and Dimensions section for details.



DATE:	LOCATION:
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CONTROLS

SpectraSync™ Color Tuning Technology:

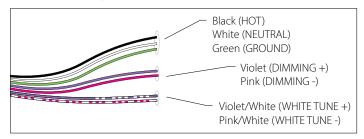
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASYNC COLOR TUNING TECHNOLOGY							
Mode	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	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space					
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.

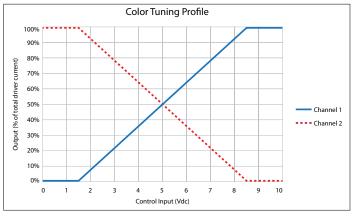


SpectraSync Tunable White luminaires are provided with two 0-10V circuits. The violet and pink circuit is for wiring to any qualified 0-10V controller for dimming. The violet/white and pink/white circuit is for wiring to any qualified 0-10V controller for Tunable White CCT control.

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 sheet.

OTHER LIGHTING CONTROLS

				Control Option Functionality								
	Control Option Ordering Logic & Description		Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Control Option Components	
Other	AWNR	The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system.	✓	✓	-	-	-	√	✓	-		A-WN-D01-RF-WH

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







DATE:	LOCATION:
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PERFORMANCE DATA TABLE

Performance data provided below is for 3000K, 90 CRI with Specular Clear reflector finish/color

Lumen Package	Nominal Lumens	Distribution	Delivered Lumens	Watts	LPW
		Narrow	704	10.0	70
		Medium	647	10.0	65
06L	600	Wide	579	10.0	58
		Extra Wide	571	10.0	57
		Open Single Wall Wash	559	10.0	56
		Narrow	1126	18.0	63
		Medium	1035	18.0	57
10L	1000	Wide	926	18.0	51
		Extra Wide	913	18.0	51
		Open Single Wall Wash	894	18.0	50
		Narrow	1611	25.0	64
		Medium	1480	25.0	59
15L	1500	Wide	1324	25.0	53
		Extra Wide	1307	25.0	52
		Open Single Wall Wash	1279	25.0	51



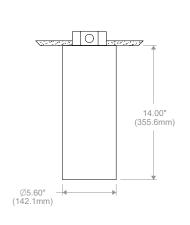


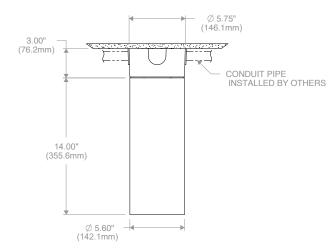
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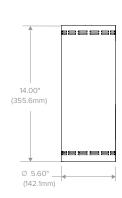
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DIMENSIONS

LTC-4RD (14" CYLINDER BODY) SURFACE (S)



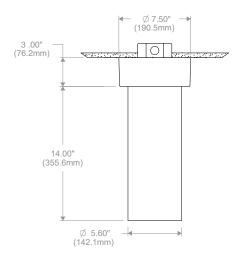




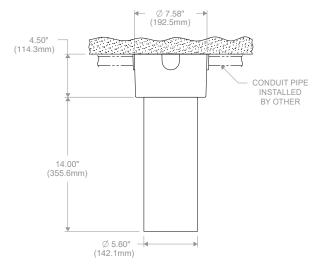
Surface Standard Canopy

Surface **Conduit Canopy** SCC

Vented Detail view All 15L (All Mountings)



Surface **Power Canopy**



Surface **Power Conduit Canopy** SPCC





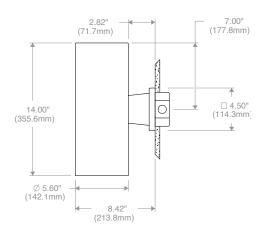
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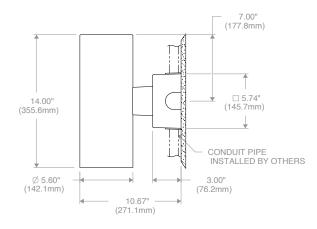
CATALOG #:

DIMENSIONS

LTC-4RD (14" CYLINDER BODY) WALL (W)



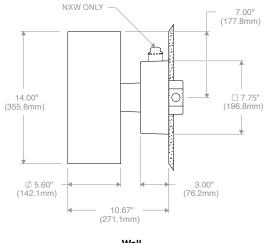
Wall (Standard Canopy) W



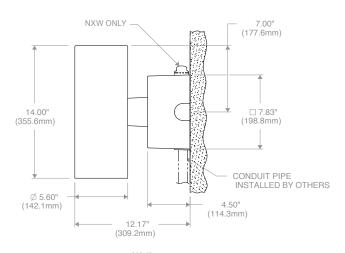
Wall Conduit Canopy WCC



Vented Detail view All 15L (All Mountings)



Wall Power Canopy WPC



Wall
Power Conduit Canopy
WPCC



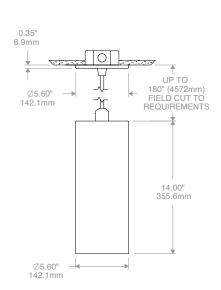


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TYPE:	PROJECT:

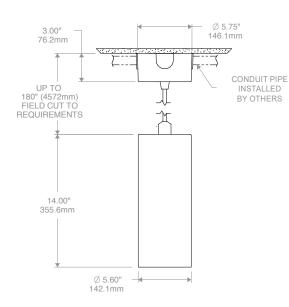
DIMENSIONS

LTC-4RD (14" CYLINDER BODY) CORD (CM)

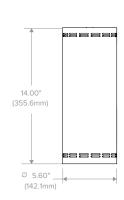
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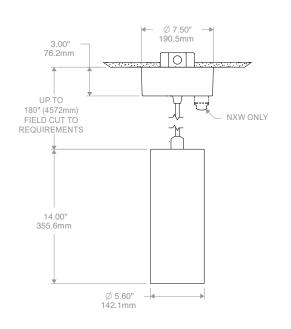
Cord (Standard Canopy) CM



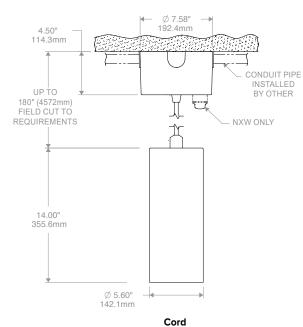
Cord Conduit Canopy CMCC



Vented Detail view All 15L (All Mountings)



Cord **Power Canopy CMPC**



Power Conduit Canopy CMPCC





DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

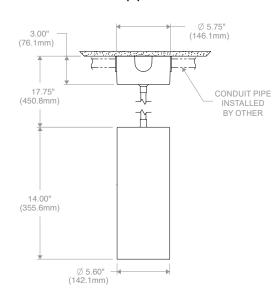
DIMENSIONS

Ø5.60" (142.1mm) 1.00" (25.4mm) 17.75" (450.8mm) 14.00" (355.6mm)

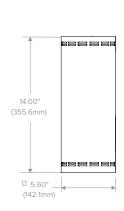
Pendant (Standard Canopy) P

Ø 5.60"

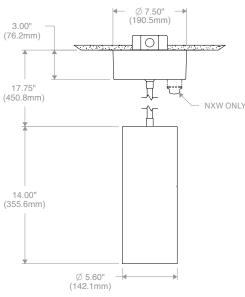
LTC-4RD (14" CYLINDER BODY) PENDANT (P)



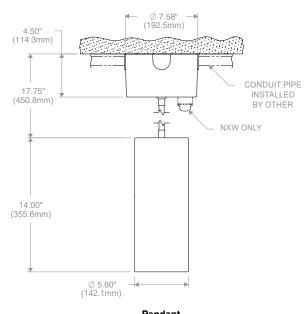
Pendant Conduit Canopy PCC



Vented Detail view All 15L (All Mountings)





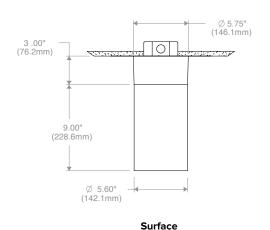


Pendant Power Conduit Canopy PPCC



LOCATION: DATE: TYPE: PROJECT: CATALOG #:

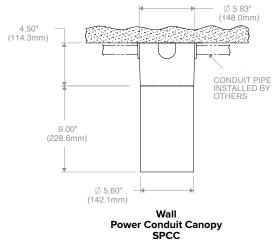
DIMENSIONS

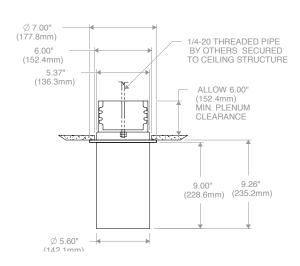


Power Canopy

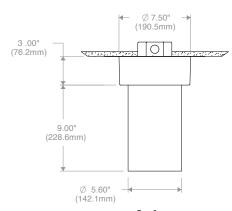
SPC

LTC-4RDS (9" CYLINDER BODY) SURFACE (S)

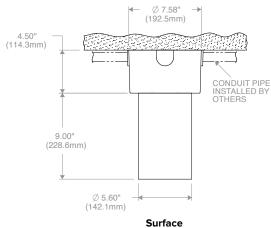




Surface **Recessed Mount Driver SRMD**



Surface **Power Canopy SPC**



Power Conduit Canopy SPCC





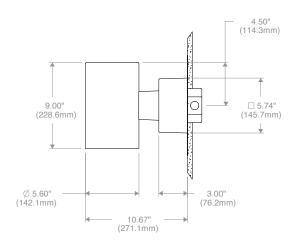
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TYPE: PROJECT:

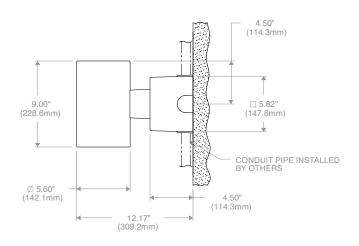
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DIMENSIONS

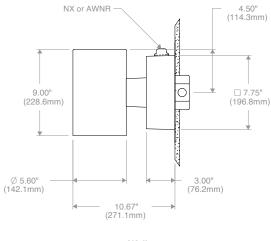
LTC-4RDS (9" CYLINDER BODY) WALL (W)



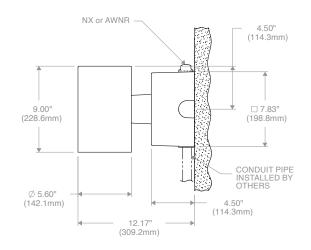
Wall Power Canopy WPC



Wall Power Conduit Canopy WPCC



Wall Power Canopy WPC



Wall Power Conduit Canopy WPCC





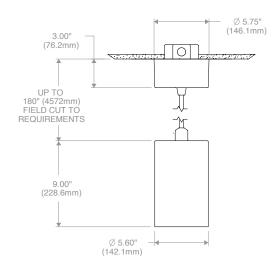
DATE: LOCATION:

TYPE: PROJECT:

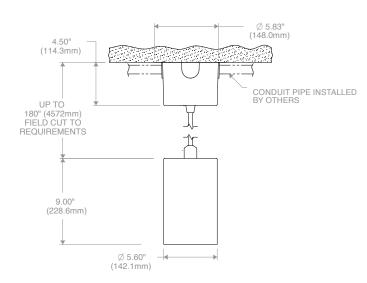
CATALOG #:

DIMENSIONS

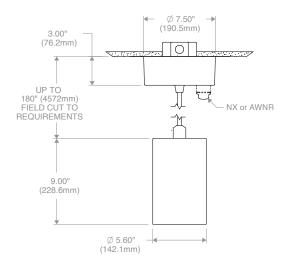
LTC-4RDS (9" CYLINDER BODY) CORD MOUNT (CM)



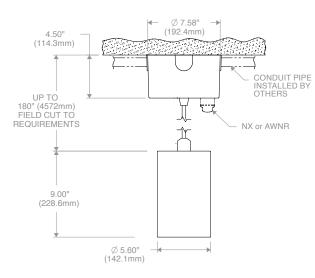
Cord Conduit Canopy CMCC



Cord Power Canopy CMPC



Cord Conduit Canopy CMCC



Cord Power Canopy CMPC

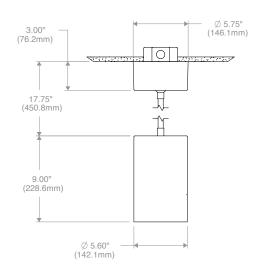




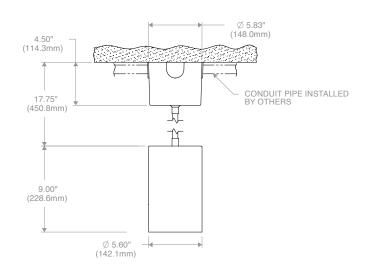
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DIMENSIONS

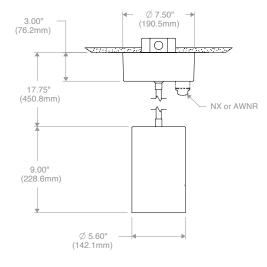
LTC-4RDS (9" CYLINDER BODY) PENDANT (P)



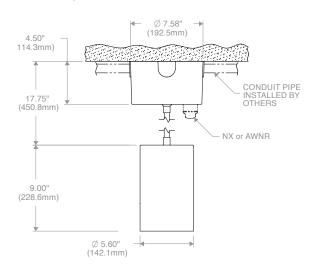
Pendant Conduit Canopy PCC



Pedant Power Canopy PPC



Pendant Conduit Canopy PCC



Pedant **Power Canopy** PPC

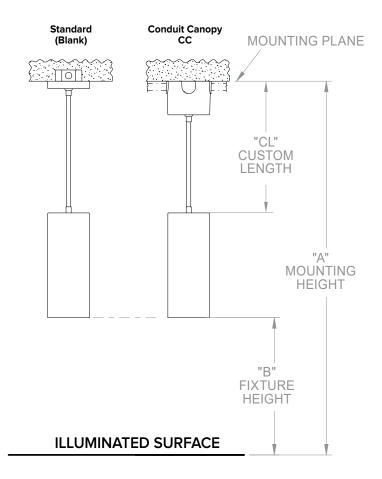




DATE:	LOCATION:
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DIMENSIONS

PENDANT CUSTOM LENGTH



Custom Length (CL) = Mounting Height (A) - Fixture Height (B) - Cylinder Body Length

Ordering Examples:

A (120") - B (72") - 14" = 34" Custom Length LTC-4RD-P34

A (120") - B (72") - 9" = 39" Custom Length LTC-4RDS-P39





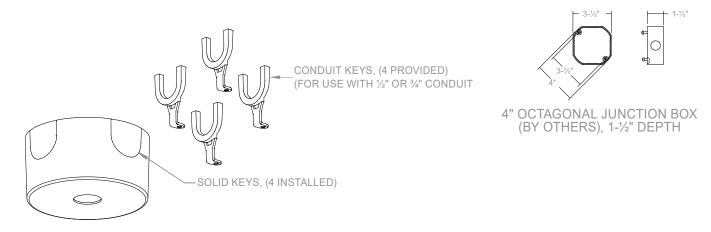
DATE:	LOCATION:
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DIMENSIONS

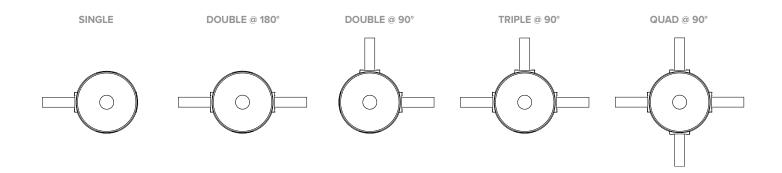
CONDUIT CANOPY DETAILS

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





LOCATION: DATE: TYPE: PROJECT:

CATALOG #:

PHOTOMETRY

LTC-4RD-P-15L2765T9NR-DMT-S-BL

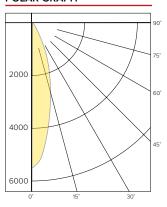
LUMINAIRE DATA

Test No.	R19.01948-01
Description	1500 lm, Narrow, 3000K, 90 CRI
Delivered Lumens	1608
Watts	25.0W
Efficacy	64.0
Mounting	Pendant
Spacing Criterion	0.5
Beam Angle (FWHM)	29

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2208	98.6
0-60	2237	99.9
0-90	1608	100.0
0-180	1608	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	5179
5	4571
15	2396
25	920
35	163
45	16
55	1
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	2823
55°	316
65°	215
75°	0
85°	0

*Candela/Square Meter

LTC-4RD-P-15L2765T9MD-DMT-S-BL

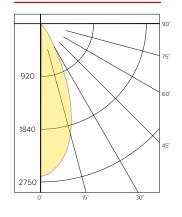
LUMINAIRE DATA

Test No.	R19.01974-01
Description	1500 lm, Medium, 3000K, 90 CRI
Delivered Lumens	1477
Watts	25.0W
Efficacy	59.0
Mounting	Pendant
Spacing Criterion	0.7
Beam Angle (FWHM)	44

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1449	98.1
0-60	1476	99.9
0-90	1477	100.0
0-180	1477	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	2654
5	2561
15	2081
25	1035
35	258
45	25
55	2
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	4363
55°	475
65°	215
75°	0
85°	0

*Candela/Square Meter

LTC-4RD-P-15L2765T9WD-DMT-S-BL

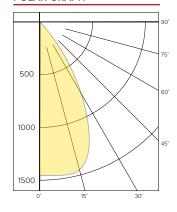
LUMINAIRE DATA

Test No.	R19.01946-01
Description	1500 lm, Wide, 3000K, 90 CRI
Delivered Lumens	1321
Watts	25.0W
Efficacy	53.0
Mounting	Pendant
Spacing Criterion	1.0
Beam Angle (FWHM)	61

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1275	96.5
0-60	1320	99.9
0-90	1321	100.0
0-180	1321	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	1405
5	1412
15	1409
25	1052
35	445
45	40
55	3
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	6926
55°	633
65°	429
75°	0
85°	0

*Candela/Square Meter





LOCATION: DATE: TYPE: PROJECT:

CATALOG #:

PHOTOMETRY CONTINUED

LTC-4RD-P-15L2765T9XW-DMT-S-BL

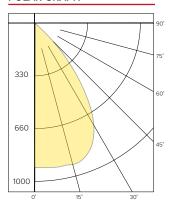
LUMINAIRE DATA

Test No.	R19.01945-01
Description	1500 lm, Extra Wide, 3000K, 90 CRI
Delivered Lumens	1303
Watts	25.0W
Efficacy	52.0
Mounting	Pendant
Spacing Criterion	1.2
Beam Angle (FWHM)	78

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1160	89.0
0-60	1301	99.9
0-90	1303	100.0
0-180	1303	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	809
5	822
15	905
25	943
35	647
45	155
55	4
65	1
75	1
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	26926
55°	790
65°	429
75°	350
85°	0

*Candela/Square Meter

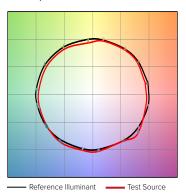


LOCATION: DATE: TYPE: PROJECT:

TM-30 DATA

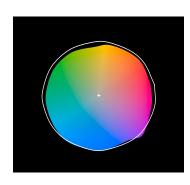
SPECTRASYNC™ TUNABLE WHITE (2765T)

COLOR VECTOR GRAPHIC 2700K, 90+ CRI



COLOR DISTORTION GRAPHIC 2700K, 90+ CRI

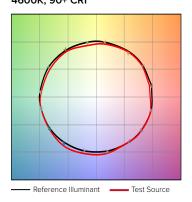
CATALOG #:



2700K 4600K 6500K Value Luminous Flux (Im) 846 941 982 Wattage (W) 17.0 16.8 16.9 Efficacy (Im/W) 50 56 58 88 89 88 97 98 97 R_{q} CCT (K) 2809 4597 6326 $\mathsf{D}_{\underline{\mathsf{u}}\underline{\mathsf{v}}}$ -0.0018 0.0017 -0.0052 0.4481 0.3558 0.3163 0.4035 0.3502 0.33 У 91 95 94 CIE R CIE R 48 83 73

TEST RESULTS - TUNABLE WHITE @ 1000 LUMENS (NOMINAL)

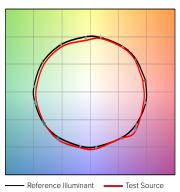
COLOR VECTOR GRAPHIC 4600K, 90+ CRI



COLOR DISTORTION GRAPHIC 4600K, 90+ CRI



COLOR VECTOR GRAPHIC 6500K, 90+ CRI



COLOR DISTORTION GRAPHIC 6500K, 90+ CRI



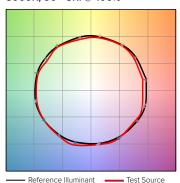


LOCATION: DATE: PROJECT: TYPE:

TM-30 DATA CONTINUED

SPECTRASYNC™ DIM TO WARM (2230TD)

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

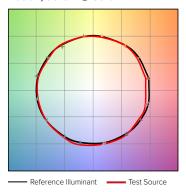


COLOR DISTORTION GRAPHIC 3000K, 90+ CRI @ 100%

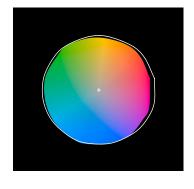
CATALOG #:



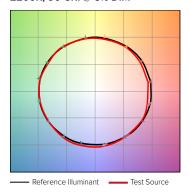
COLOR VECTOR GRAPHIC 2600K, 90 CRI @ 50% DIM



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

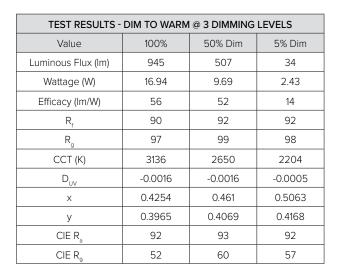


COLOR VECTOR GRAPHIC 2200K, 90 CRI @ 5% DIM



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







DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

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.

