

FEATURES

- 3" architectural LED downlight and wall wash cylinder delivering 600–1000 lm
- 4 beam distributions from 0.4 to 1.1 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%



(Select Models)



(-BAA Option)



(-TAA Option)

CONTROL 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

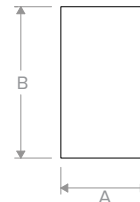
ELECTRICAL

- 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: L70 at >60,000 hrs (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 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)

LITEISTRY™



Typical Dimensions and Weights			
Lumen Package	"A" Diameter Inches (mm)	"B" Height Inches (mm)	Weight lbs (kg)
06–10L	4 (102)	7 (178)	7.5 (3.4)

See DIMENSIONS section for complete details

CERTIFICATIONS

- cCSAus certified to UL 1598
- Wall Mount (except CC): 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

KEY DATA	
Lumen Range	600–1000
Wattage Range	10–18
Efficacy Range (LPW)	52–59*
Reported Life (Hours)	L70 / >60,000
Input Current (mA)	83–150 (120V)

*Based on Specular, 30K, 90 CRI

LTC-3RDW SpectraSync

LITEISTRY 3" ROUND CYLINDER WITH COLOR TUNING

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ORDERING GUIDE

Example: LTC-3RD-CM15WHPCC-15L2230TD9WD-DMTW-SS-WH

CATALOG #	
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LTC-3RD					
Aperture/Shape/Function		Cylinder Mounting		Canopy Option	
LTC-3RD	3" Round Downlight Cylinder	S	Surface	Refer to chart on Page 3 for available canopy options based on driver/controls selection	
LTC-3RDS	3" Round Shallow Downlight Cylinder ⁹	W	Wall		
LTC-3RW	3" Round Wall Wash Cylinder	P	Pendant (Standard)		
LTC-3RWS	3" Round Shallow Wall Wash Cylinder ⁹	P_	Nominal 18" length from cylinder top to ceiling ⁷		
			Pendant (Custom)	Standard Canopy ^{3,6}	
			Specify length from cylinder top to ceiling in 1 inch increments from 15 to 60 ⁷	CC Conduit Canopy ^{3,6}	
				PC Power Canopy ^{3,6}	
				PCC Power Conduit Canopy ^{3,6}	
				RMD Recessed Mount Driver ^{3,6}	
		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		
				Lumen Output	
				CCT	
				06L 600 Lumens ³	2230TD 2200K-3000K SpectraSync™ Dim to Warm
				10L 1000 Lumens ³	2750T 2700K-5000K SpectraSync™ Tunable White
					2765T 2700K-6500K SpectraSync™ Tunable White

CRI		Distribution		Driver Options		Control Options		Voltage		Reflector Finish		Reflector Color	
9	90+ CRI	NR	Narrow (0.4 SC/29°)	DMTW	SpectraSync™ Dim to Warm, 0-10V Dimming to 5% ^{1,3}	AWN	Lutron Athena Enabled ^{3,12}	Standard 120-277V		Finish not applicable with painted reflectors (WC or BC)		Standard Clear	
		MD	Medium (0.7 SC/53°)	DMT	SpectraSync™ Tunable White, 0-10V Dimming to 5% ^{2,3}					S	Specular	CG	Champagne Gold
		WD	Wide (1.0 SC/59°)							SS	Semi-Specular	BL	Black
		XW	Extra Wide (1.1 SC/66°)	DM00T	Lutron Athena compatible driver option for SpectraSync™ Tunable White ^{3,10}					MFC	American Matte™	LW	Light Wheat
		WW	Wall Wash							VS	Softglow®	PW	Pewter
										VSS	SoftSheen™	WC	Painted White Cone and Flange
												BC	Painted Black Cone and Flange

Flange Color Options		Exterior Cylinder Color		Options	
Standard matches reflector color		BA	Brushed Aluminum ⁸	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:

- Must select 2230TD with DMTW or DM00T driver.
- Must select either 2750T or 2765T with DM00T driver.
- 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.
- See Dimensions section for canopy configuration details.
- Stem length varies by canopy configuration. See Dimensions section for details.
- Canopy color for Brushed Aluminum is Black.
- Available in Wall Mount only.
- DM00T must be selected with AWNR Lutron Athena controls option.

LTC-3RDW SpectraSync

LITEISTRY 3" ROUND CYLINDER WITH COLOR TUNING

DATE:	LOCATION:
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CATALOG #:	

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
DMT	0–10V 5%	W	Standard/CC	●	●
		P/S/CM	PC/PCC/RMD ⁴	●	●
DMTW	0–10V 5%	W	Standard/CC	●	●
		P/S/CM	PC/PCC/RMD	●	●
DM00T / AWNRR	Lutron Athena 0–10V Dim to Off	W	PC/PCC	●	●
		S	RMD	●	●
		P/CM	PC/PCC	●	●

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

Driver/Control Option		Cylinder Mounting	Canopy Options	06L	10L
DMT	0–10V 5%	W	PC/PCC	●	●
DMTW		W	PC/PCC	●	●
DM00T / AWNRR	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 RMD is Non-IC rated unless noted.
- 4 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 ³

LTC-3RDW SpectraSync

LITEISTRY 3" ROUND CYLINDER WITH COLOR TUNING

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CONTROLS

SpectraSync™ Color Tuning Technology:

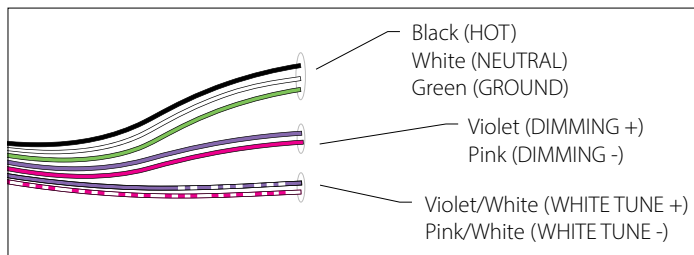
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASYNCH 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	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.

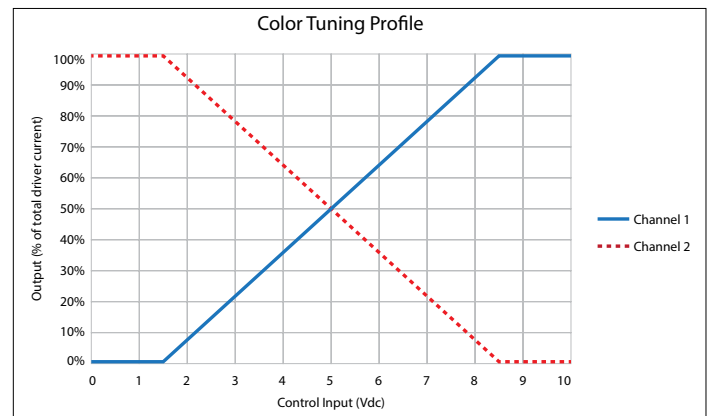


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and pink/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

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: DDTV, DVSTV, and NDTV 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 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.

LTC-3RDW SpectraSync

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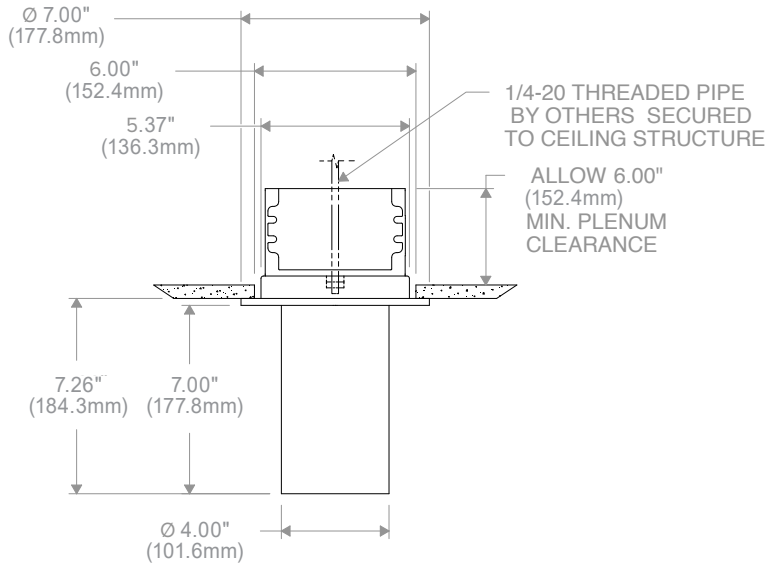
PERFORMANCE DATA TABLE

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

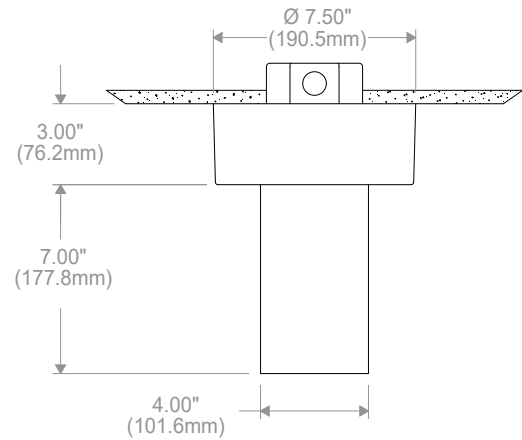
Lumen Package	Nominal Lumens	Distribution	Delivered Lumens	Watts	LPW
06L	600	Narrow	666	10.0	67
		Medium	611	10.0	61
		Wide	594	10.0	59
		Extra Wide	590	10.0	59
		Open Single Wall Wash	550	10.0	55
10L	1000	Narrow	1072	18.0	60
		Medium	984	18.0	55
		Wide	956	18.0	53
		Extra Wide	949	18.0	53
		Open Single Wall Wash	886	18.0	49

DIMENSIONS

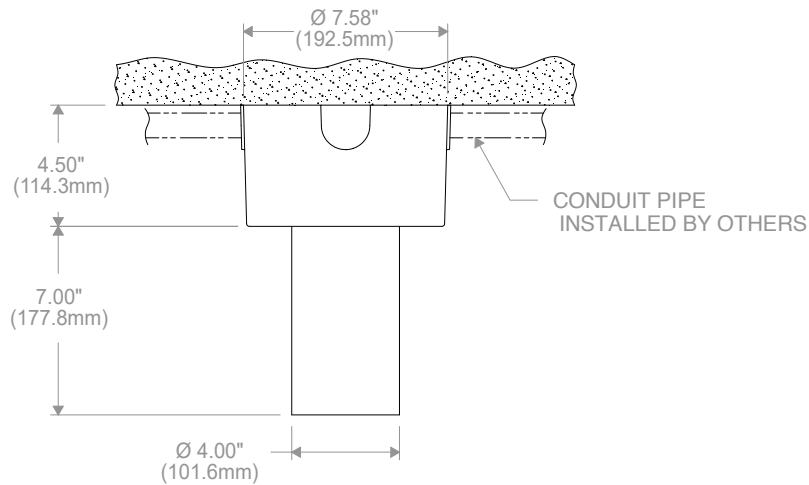
LTC-3RD (7" CYLINDER BODY) SURFACE (S)



Surface
Recessed Mount Driver
SRMD



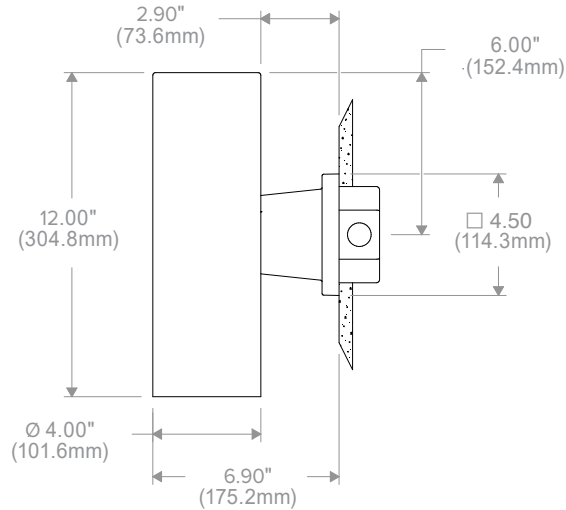
Surface
Power Canopy
SPC



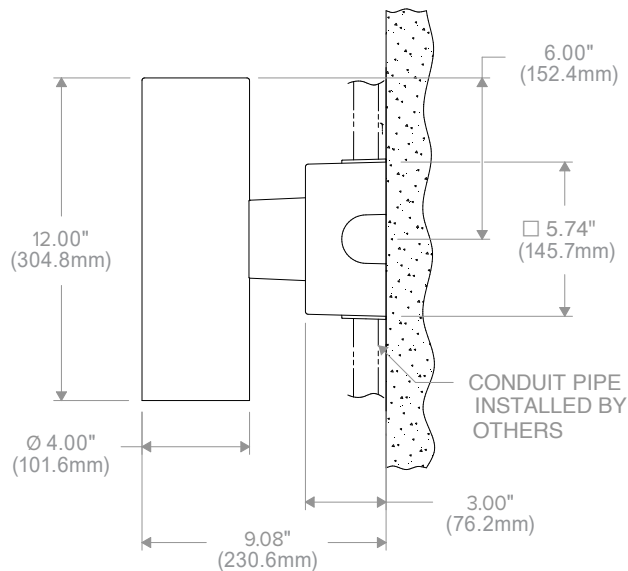
Surface
Power Conduit Canopy
SPCC

DIMENSIONS

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



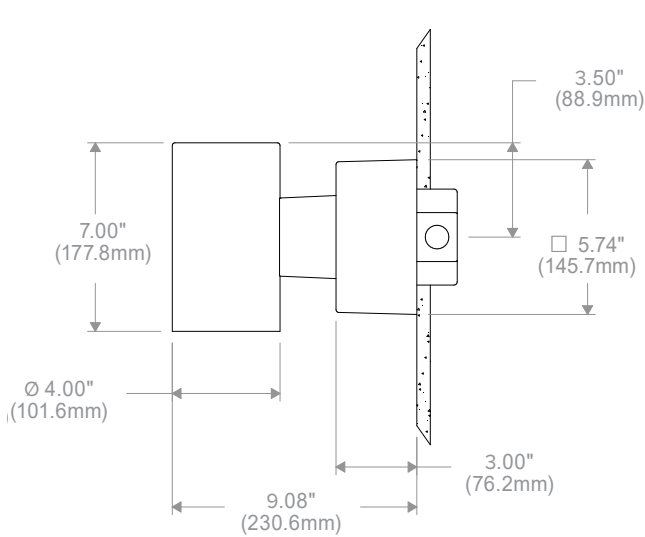
**Wall
Standard Canopy
W**



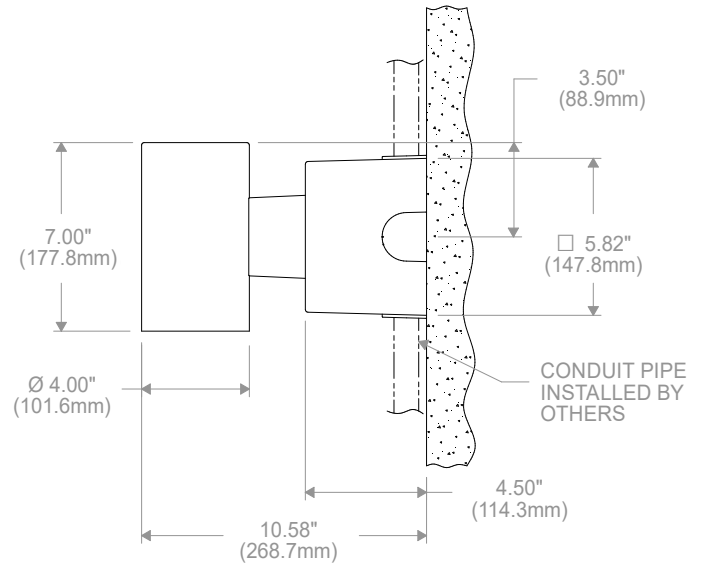
**Wall
Conduit Canopy
WCC**

DIMENSIONS

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

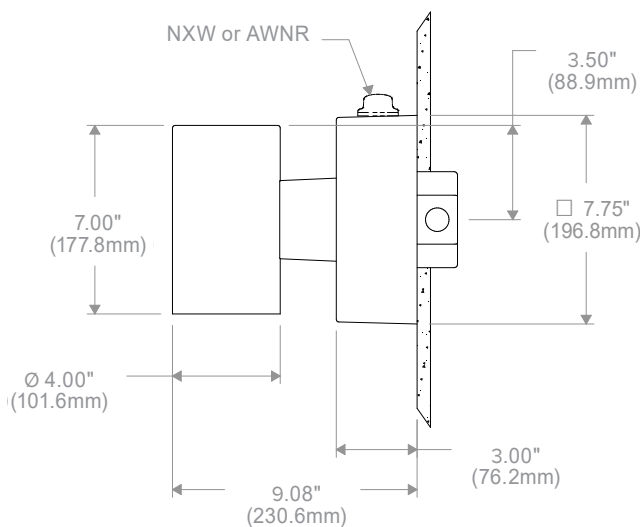


**Wall
Power Canopy
WPC**

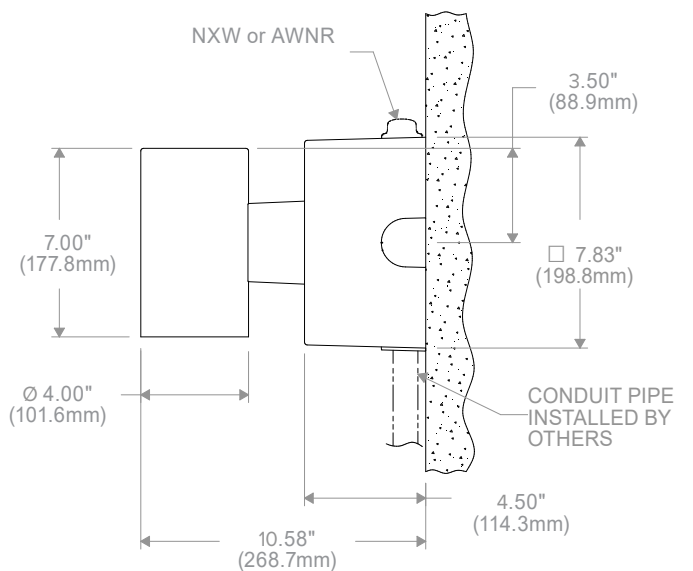


**Wall
Power Conduit Canopy
WPCC**

(FOR DMX OR CONTROLS OPTIONS ONLY)



**Wall
Power Canopy
WPC**



**Wall
Power Conduit Canopy
WPCC**

LITEISTRY 3" ROUND CYLINDER WITH COLOR TUNING

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



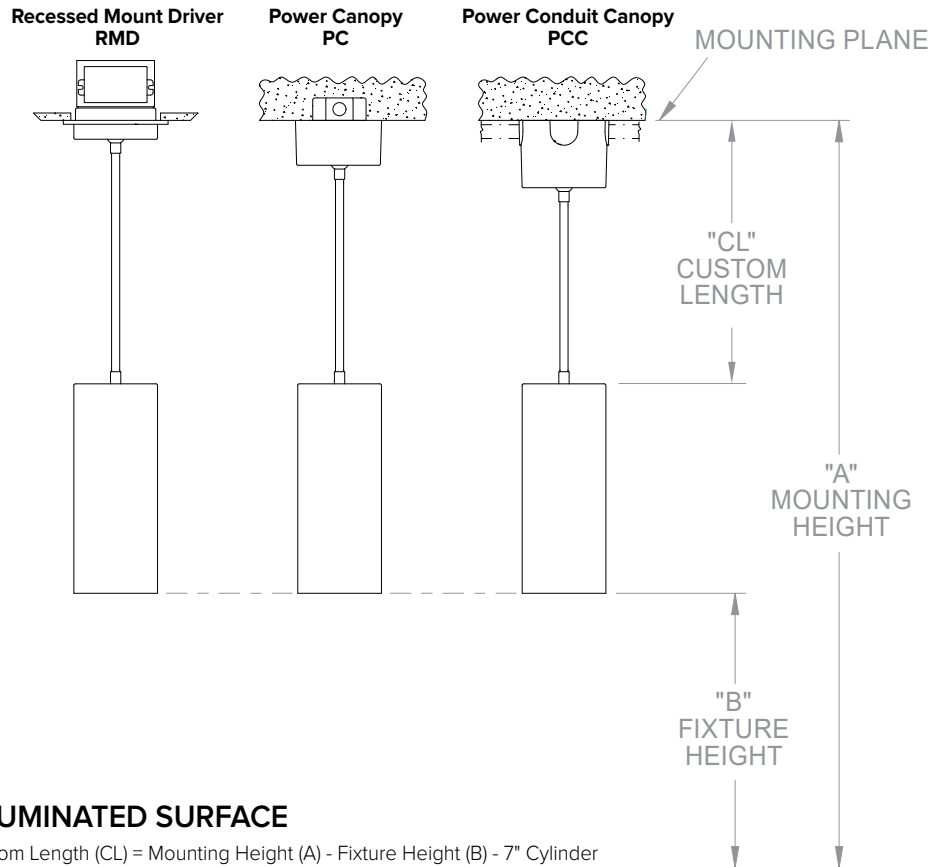
LITEISTRY 3" ROUND CYLINDER WITH COLOR TUNING

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



DIMENSIONS

PENDANT CUSTOM LENGTH



ILLUMINATED SURFACE

Custom Length (CL) = Mounting Height (A) - Fixture Height (B) - 7" Cylinder

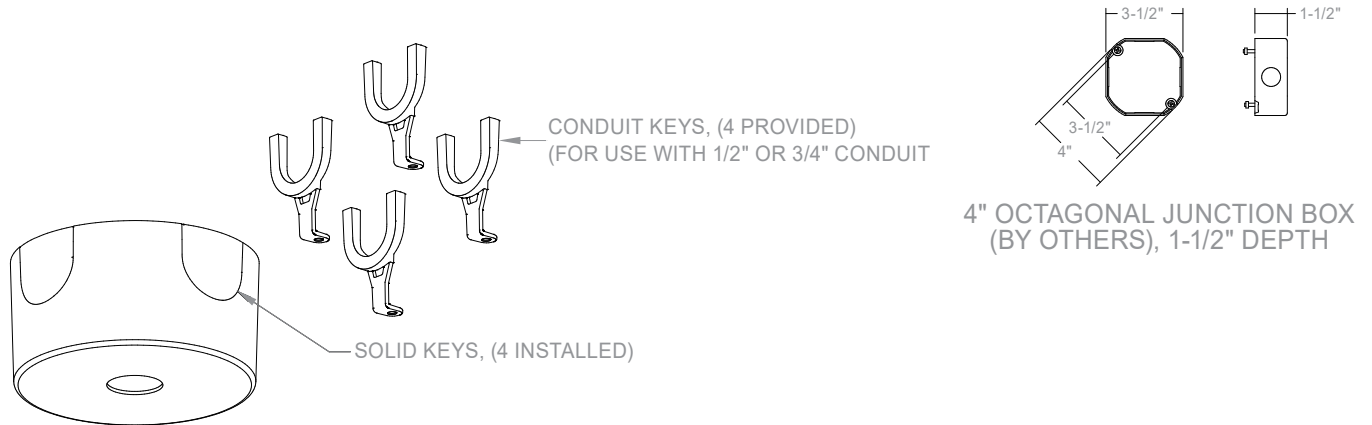
Ordering Example:

A (120") - B (72") - 7" = 41" Custom Length
LTC-3RD-P41

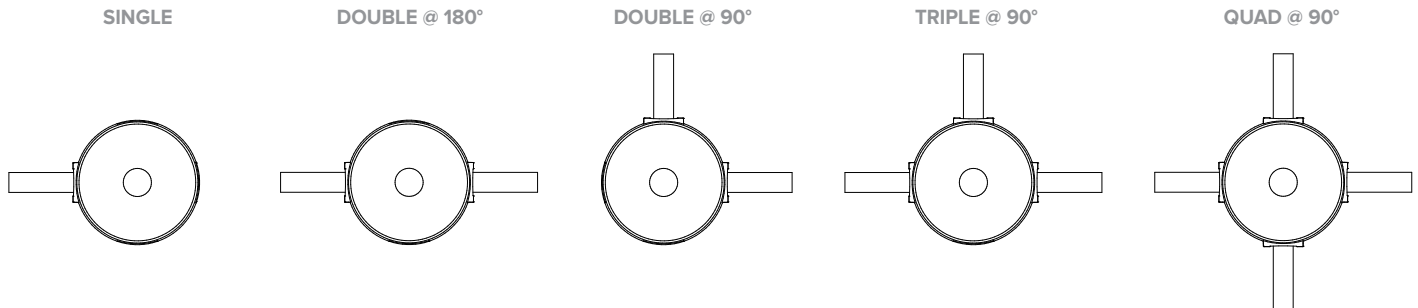
DIMENSIONS

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



LTC-3RDW SpectraSync

LITEISTRY 3" ROUND CYLINDER WITH COLOR TUNING

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

PHOTOMETRY

LTC-3RD-P-10L2765T9NR-DMT-S-BL

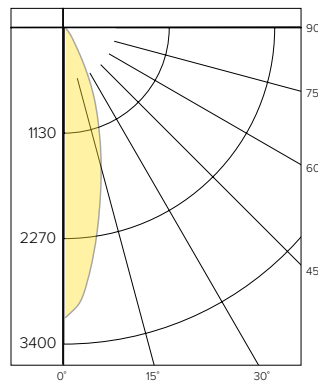
LUMINAIRE DATA

Test No.	R19.01976-01
Description	1000 lm, Narrow, 3000K, 90 CRI
Delivered Lumens	1088
Watts	18.0W
Efficacy	60.0
Mounting	Pendant
Spacing Criterion	0.5
Beam Angle FWHM	29

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1070	98.4
0-60	1087	99.9
0-90	1088	100.0
0-180	1088	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	3023
5	2749
15	1567
25	680
35	118
45	16
55	2
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	5277
55°	651
65°	442
75°	0
85°	0

*Candela/Square Meter

LTC-3RD-P-10L2765T9MD-DMT-S-BL

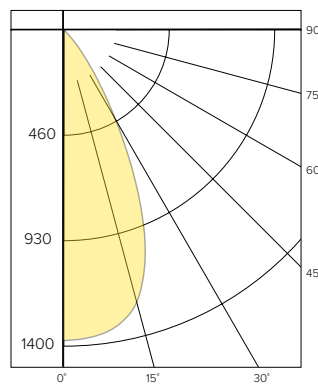
LUMINAIRE DATA

Test No.	R19.01975-01
Description	1000 lm, Medium, 3000K, 90 CRI
Delivered Lumens	998
Watts	18.0W
Efficacy	55.0
Mounting	Pendant
Spacing Criterion	0.8
Beam Angle FWHM	53

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	971	97.3
0-60	997	99.9
0-90	998	100.0
0-180	998	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	1377
5	1368
15	1252
25	765
35	232
45	24
55	2
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	7916
55°	651
65°	442
75°	0
85°	0

*Candela/Square Meter

LTC-3RD-P-10L2765T9WD-DMT-S-BL

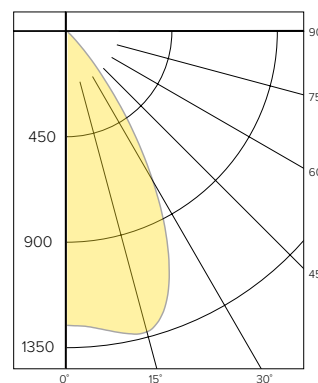
LUMINAIRE DATA

Test No.	R19.01974-01
Description	1000 lm, Wide, 3000K, 90 CRI
Delivered Lumens	970
Watts	18.0W
Efficacy	54.0
Mounting	Pendant
Spacing Criterion	0.9
Beam Angle FWHM	59

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	933	96.3
0-60	969	99.9
0-90	970	100.0
0-180	970	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	996
5	1005
15	1024
25	782
35	319
45	31
55	2
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	10291
55°	976
65°	442
75°	0
85°	0

*Candela/Square Meter

LTC-3RDW SpectraSync

LITEISTRY 3" ROUND CYLINDER WITH COLOR TUNING

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

PHOTOMETRY CONTINUED

LTC-3RD-P-10L2765T9XW-DMT-S-BL

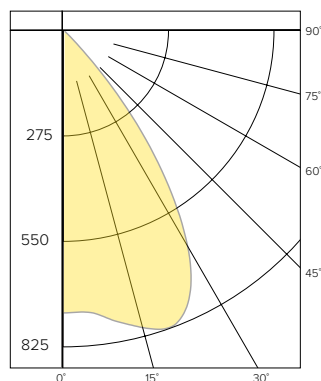
LUMINAIRE DATA

Test No.	R19.01973-01
Description	1000 lm, Extra Wide, 3000K, 90 CRI
Delivered Lumens	963
Watts	18.0W
Efficacy	53.0
Mounting	Pendant
Spacing Criterion	1.2
Beam Angle FWHM	66

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	914	94.9
0-60	962	99.9
0-90	963	100.0
0-180	963	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	766
5	768
15	813
25	768
35	433
45	34
55	2
65	1
75	0
85	0
90	0

LUMINANCE DATA*

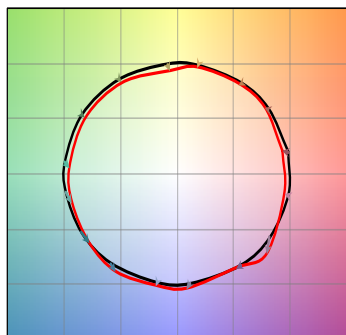
Vertical Angle	Average
45°	11346
55°	976
65°	442
75°	0
85°	0

*Candela/Square Meter

TM-30 DATA

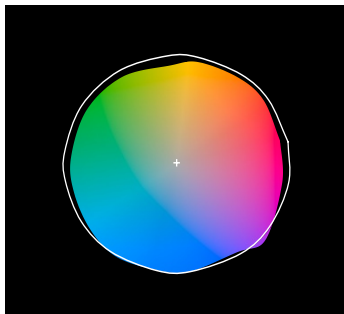
SPECTRASYNCTM TUNABLE WHITE (2765T)

COLOR VECTOR GRAPHIC
2700K, 90+ CRI



— Reference Illuminant — Test Source

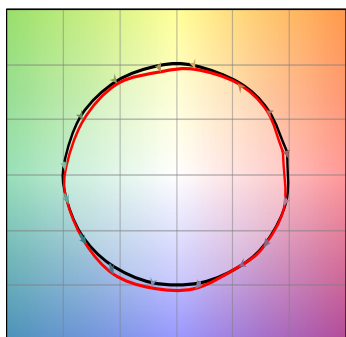
COLOR DISTORTION GRAPHIC
2700K, 90+ CRI



TEST RESULTS - TUNABLE WHITE @ 1000 LUMENS (NOMINAL)

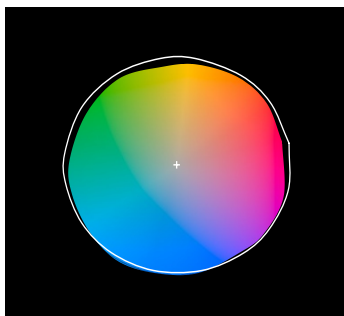
Value	2700K	4600K	6500K
Luminous Flux (lm)	846	941	982
Wattage (W)	17.0	16.8	16.9
Efficacy (lm/W)	50	56	58
R _f	88	89	88
R _g	97	98	97
CCT (K)	2809	4597	6326
D _{uv}	-0.0018	-0.0052	0.0017
x	0.4481	0.3558	0.3163
y	0.4035	0.3502	0.33
CIE R _a	91	95	94
CIE R _g	48	83	73

COLOR VECTOR GRAPHIC
4600K, 90+ CRI

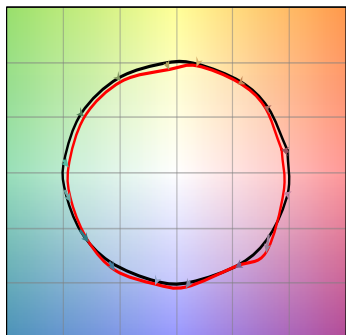


— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
4600K, 90+ CRI

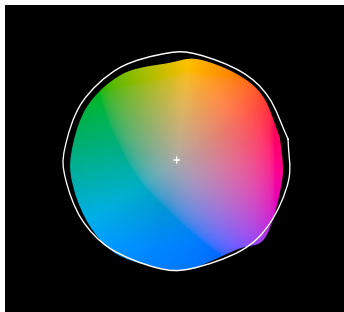


COLOR VECTOR GRAPHIC
6500K, 90+ CRI



— Reference Illuminant — Test Source

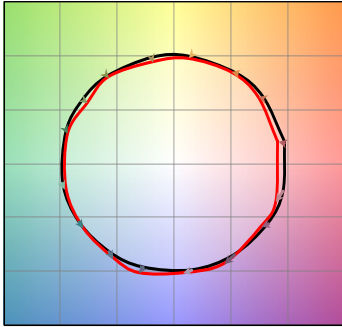
COLOR DISTORTION GRAPHIC
6500K, 90+ CRI



TM-30 DATA CONTINUED

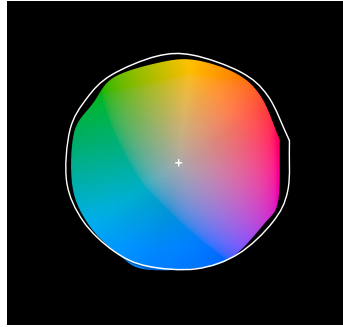
SPECTRASYNCTM DIM TO WARM (2230TD)

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

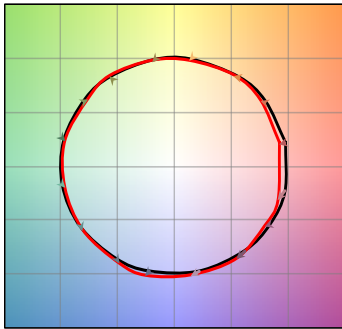


— Reference Illuminant — Test Source

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



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

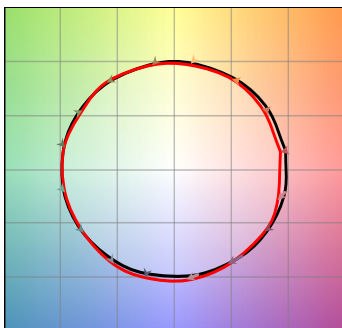


— Reference Illuminant — Test Source

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

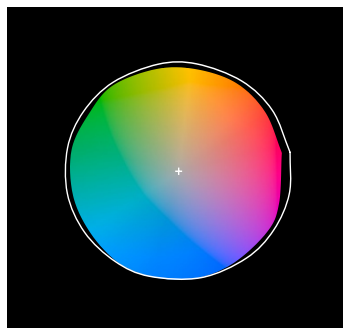


COLOR VECTOR GRAPHIC
2200K, 90 CRI @ 5% DIM



— Reference Illuminant — Test Source

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



TEST RESULTS - DIM TO WARM @ 3 DIMMING LEVELS

Value	100%	50% Dim	5% Dim
Luminous Flux (lm)	945	507	34
Wattage (W)	16.94	9.69	2.43
Efficacy (lm/W)	56	52	14
R _f	90	92	92
R _g	97	99	98
CCT (K)	3136	2650	2204
D _{uv}	-0.0016	-0.0016	-0.0005
x	0.4254	0.461	0.5063
y	0.3965	0.4069	0.4168
CIE R _a	92	93	92
CIE R _g	52	60	57

LTC-3RDW SpectraSync

LITEISTRY 3" ROUND CYLINDER WITH COLOR TUNING

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.