

LTC-4SQDPH

LITEISTRY 4" SQUARE CYLINDER WITH POWERHUBB™

FEATURES

- 4" architectural LED downlight cylinder delivering 600 - 2000 lm
- Four beam distributions from 0.6 to 1.2 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
- PowerHUBB™ enables low-voltage wired connectivity for Power over Ethernet (PoE) network system deployment



CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Seamless heavy gauge aluminum cylinder body with a clean appearance
- Select from 4 durable powder coat paint architectural finishes or Brushed Aluminum
- Available in Surface, Wall, Pendant, or Cable/Cord mounting options
- Wall Mount: One piece die cast aluminum mounting arm
- Wall Mount driver is integral in cylinder
- Pendant Mount: Swivel canopy allows sloped ceiling mounting up to 45 degrees
- Wall Mount driver is integral in cylinder
- For S, CM, P: Driver are remote mounted above ceiling (see line art)

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 four panel 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)
- PowerHUBB™ enables low-voltage wired connectivity for Power over Ethernet (PoE) network system deployment
- EMI Filtering (FCC 47 CFR Part 15) Class A

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
- Remote mount driver/jbox assembly requires 6" plenum clearance (Non-IC rated)
- Remote driver is accessible from above or below the ceiling

CERTIFICATIONS

- cCSAus certified to UL 2108
- Wall Mount: Suitable for wet locations
- Pendant Mount: Suitable for wet locations under covered ceiling
- Surface and Cord Mount: Suitable for damp locations
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction. Materials under Trade Agreements effective 6/6/2020. See [Buy American Solutions](#).

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information



RELATED PRODUCTS

Ø 3" LITEISTRY Family

Ø 4" LITEISTRY Family

Ø 6" LITEISTRY Family

KEY DATA	
Lumen Range	600-2000
Wattage Range	8-23
Efficacy Range (LPW)	89-99*
Reported Life (Hours)	L90 / >55,000
Input Current Range (mA)	N/A

*Based on Specular, 35K, 80 CRI



LTC-4SQDPH

LITEISTRY 4" SQUARE CYLINDER WITH POWERHUBB™

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ORDERING GUIDE

Example: LTC-4SQDPH-P-15L35K9WD-PMC-SS-WH

CATALOG #	
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LTC-4SQDPH					
Aperture/Shape/Function	Cylinder Mounting	Lumen Output	CCT	CRI	Distribution
LTC-4SQDPH 4" Square Cylinder Downlight	S Surface W Wall P Pendant (18" Stem Standard) CM Cable/Cord (6 ft. Cord Standard) ³	06L 600 Lumens 10L 1000 Lumens 15L 1500 Lumens 20L 2000 Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K ¹	8 80+ CRI 9 90+ CRI	NR Narrow (0.6 SC/37°) MD Medium (0.8 SC/46°) WD Wide (1.0 SC/60°) XW Extra Wide (1.2 SC/69°)

PowerHUBB Node	Reflector Finish	Reflector Color	Flange Color Options	Exterior Cylinder Color
PM PowerHUBB™, On/Off/1% Dim, Master	<i>Finish not applicable with painted reflectors (WC or BC)</i>	<i>Standard Clear</i>	<i>Standard matches reflector color</i>	BA Brushed Aluminum
PMC PowerHUBB™, On/Off/1% Dim, Control Inputs, Master	S Specular SS Semi-Specular VS Softglow® VSS SoftSheen™	CG Champagne Gold BL Black LW Light Wheat PW Pewter WC Painted White Cone and Flange BC Painted Black Cone and Flange	WT White Flange ² BT Black Flange ²	BZ Bronze BL Matte Black WH Matte White SVR Silver
PS PowerHUBB™, On/Off/1% Dim, Satellite				
PSC PowerHUBB™, On/Off/1% Dim, Control Inputs, Satellite				

Notes:

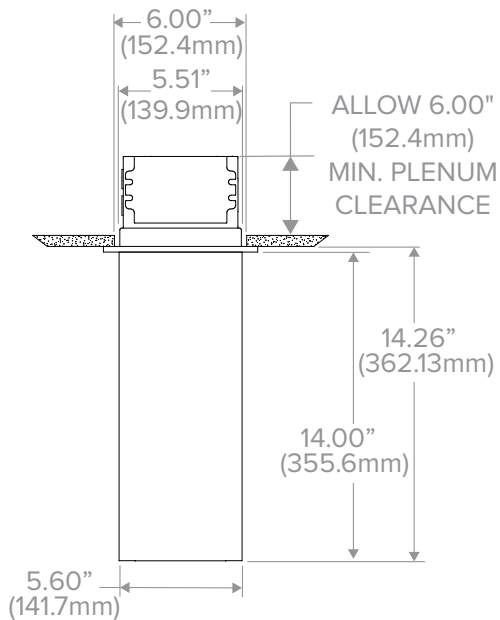
- ¹ 5000K is available in 80+CRI only
- ² WT not needed for WC; BT not needed for BC
- ³ CM standard cord color is Clear.

LTC-4SQDPH

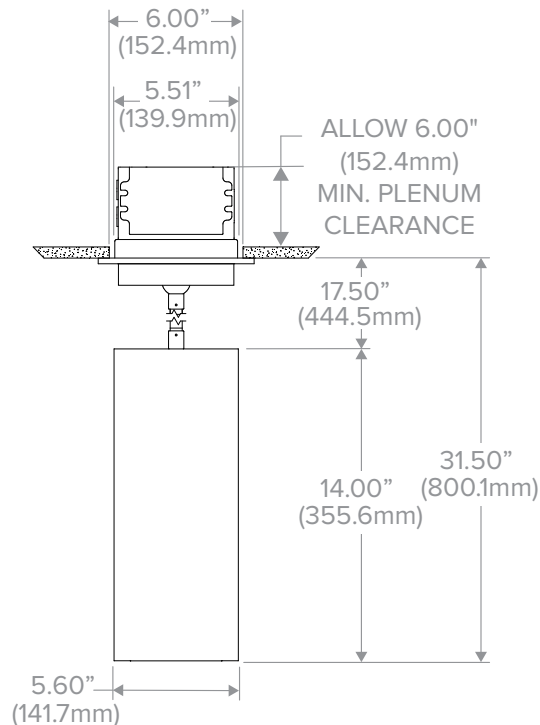
LITEISTRY 4" SQUARE CYLINDER WITH POWERHUBB™

DIMENSIONS

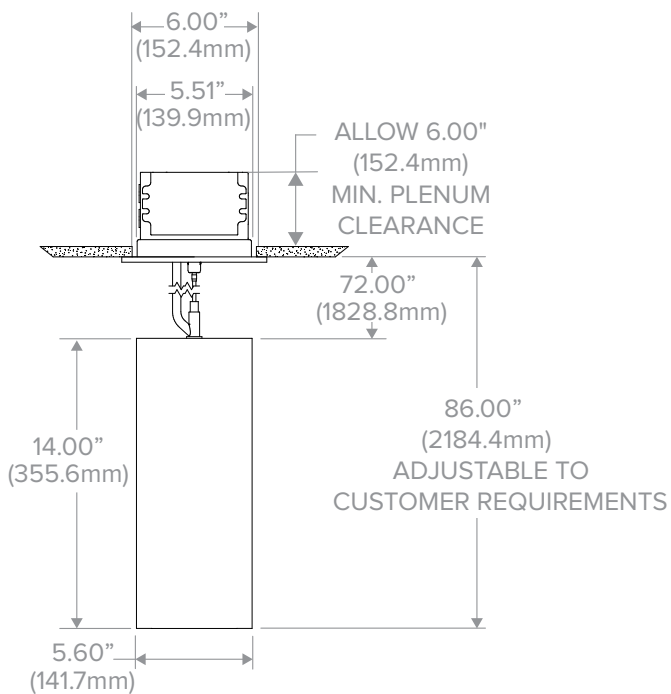
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TYPE:	PROJECT:
CATALOG #:	



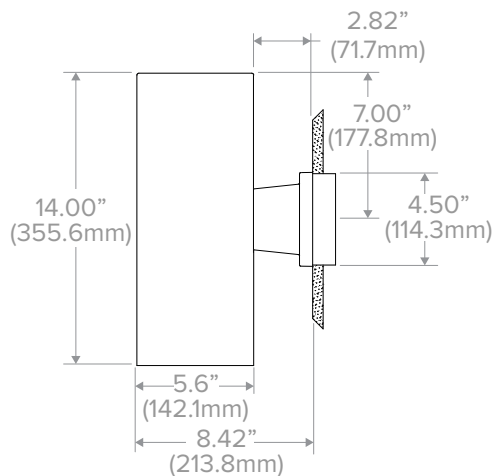
Surface (-S)



Pendant (-P)



Cord (-CM)



Wall (-W)

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DATE:	LOCATION:
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PHOTOMETRY

LTC-4SQDPH-P-20L35K8NR-PMC-S-BL

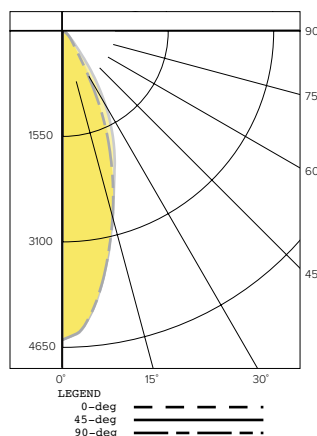
LUMINAIRE DATA

Test No.	R19.00949-02
Description	2000 lm, Narrow, 3500K, 80 CRI
Delivered Lumens	2237
Watts	22.7W
Efficacy	98.7
Mounting	Pendant
Spacing Criterion	0.6
Beam Angle (FWHM)	37

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2103	94.0
0-60	2227	99.6
0-90	2237	100.0
0-180	2237	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela - 0	Candela - 45	Candela - 90
0	4527	4527	4527
5	4233	4235	4231
15	2801	2791	2788
25	1321	1711	1318
35	282	655	283
45	110	133	110
55	23	30	24
65	5	6	5
75	2	2	2
85	1	1	1
90	0	0	0

LTC-4SQDPH-P-20L35K8MD-PMC-S-BL

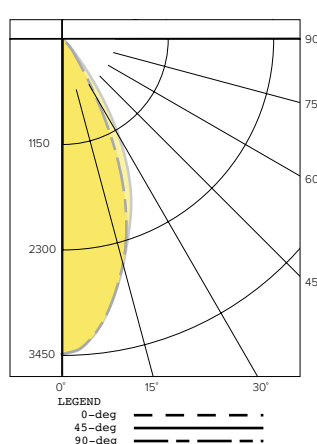
LUMINAIRE DATA

Test No.	R19.00950-02
Description	2000 lm, Medium, 3500K, 80 CRI
Delivered Lumens	2209
Watts	22.7W
Efficacy	97.4
Mounting	Pendant
Spacing Criterion	0.8
Beam Angle (FWHM)	46

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2056	93.1
0-60	2199	99.6
0-90	2209	100.0
0-180	2209	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela - 0	Candela - 45	Candela - 90
0	3435	3435	3435
5	3305	3309	3307
15	2550	2565	2556
25	1414	1761	1424
35	365	739	371
45	123	155	124
55	26	34	26
65	6	6	5
75	2	3	2
85	1	1	1
90	0	0	0

LTC-4SQDPH-P-20L35K8WD-PMC-S-BL

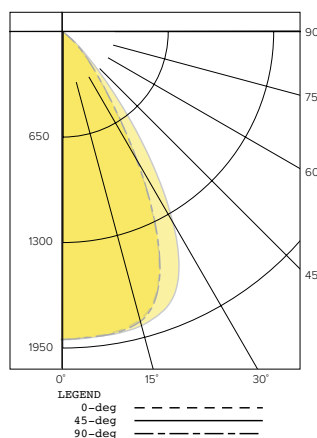
LUMINAIRE DATA

Test No.	R19.01045-02
Description	2000 lm, Wide, 3500K, 80 CRI
Delivered Lumens	2081
Watts	22.7W
Efficacy	91.8
Mounting	Pendant
Spacing Criterion	1.0
Beam Angle (FWHM)	60

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1846	96.3
0-60	2068	99.8
0-90	2081	100.0
0-180	2081	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela - 0	Candela - 45	Candela - 90
0	1906	1906	1906
5	1897	1902	1900
15	1850	1887	1861
25	1392	1702	1403
35	549	939	558
45	190	257	192
55	38	52	39
65	7	8	7
75	3	3	3
85	1	1	1
90	0	0	0

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PHOTOMETRY (CONTINUED)

LTC-4SQDPH-P-20L35K8XW-PMC-S-BL

LUMINAIRE DATA

Test No.	R19.00952-02
Description	2000 lm, Extra Wide, 3500K, 80 CRI
Delivered Lumens	2026
Watts	22.7W
Efficacy	89.2
Mounting	Pendant
Spacing Criterion	1.2
Beam Angle (FWHM)	69

ZONAL LUMEN SUMMARY

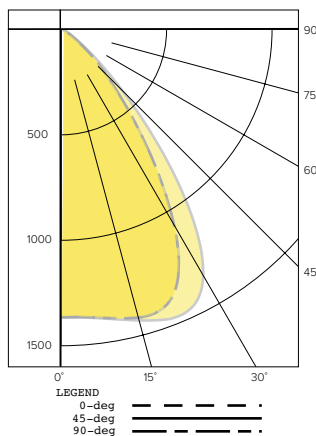
Zone	Lumens	% Luminaire
0-40	1699	83.9
0-60	2012	99.3
0-90	2026	100.0
0-180	2026	100.0

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.

POLAR GRAPH

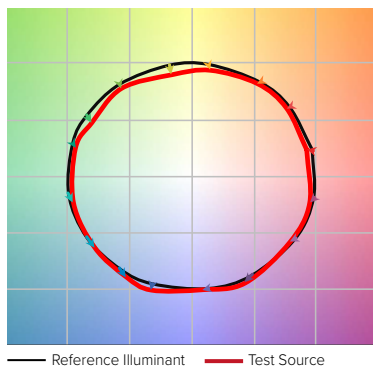


CANDELA DISTRIBUTION

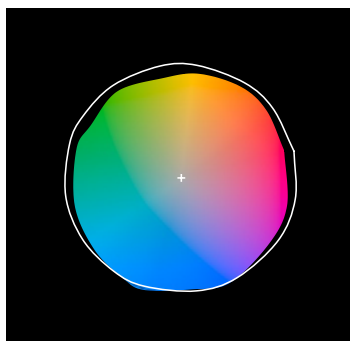
Degree	Candela - 0	Candela - 45	Candela - 90
0	1368	1368	1368
5	1373	1375	1373
15	1418	1432	1417
25	1304	1458	1301
35	741	1064	738
45	271	376	271
55	48	73	49
65	8	9	8
75	3	3	3
85	1	1	1
90	0	0	0

TM-30 DATA

COLOR VECTOR GRAPHIC 3500K, 90 CRI

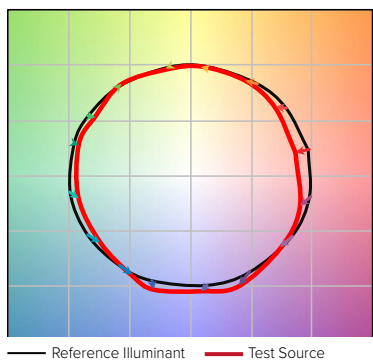


COLOR DISTORTION GRAPHIC 3500K, 90 CRI

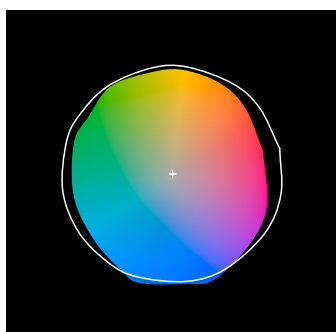


TEST RESULTS - 3500K		
Value	80+ CRI	90+ CRI
R _t	84	88
R _g	95	95
CCT (K)	3411	3419
D _{uv}	0.0015	0.0042
x	0.4120	0.4147
y	0.3974	0.4052
CIE R _a	84	93
CIE R _g	11	62

COLOR VECTOR GRAPHIC 3500K, 80 CRI



COLOR DISTORTION GRAPHIC 3500K, 80 CRI





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ELECTRICAL DATA

WATTAGE DATA		
Lumen Output	Nominal Lumens	WATTAGE
06L	600	8
10L	1000	12
15L	1500	19
20L	2000	23

* Wattage may vary based on configuration and options selected

ADDITIONAL INFORMATION



Hubbell Control Solutions' PowerHUBB™ is an enterprise-level Power over Ethernet (PoE) lighting and control platform that seamlessly integrates luminaires, sensors, user interfaces and software for a scalable intelligent building control solution.

See separate [PowerHUBB™ In-Fixture Solutions Guide](#) and [Hubbell Control Solutions PowerHUBB Brochure](#) for more details.