

# LTC-4RDWPH

LITEISTRY 4" ROUND CYLINDER WITH POWERHUBB™

## FEATURES

- 4" architectural LED downlight and wall wash cylinder delivering 600–2000 lm
- 4 beam distributions from 0.4 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



(Select Models)



See Certification Specifications

## 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
- Pendant Mount: Swivel canopy allows sloped ceiling mounting up to 45 degrees
- Wall Mount driver is integral in cylinder
- For S, CM, P: Remote mount driver assembly (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 spun aluminum reflector, self-flanged
- Large selection of anodized finishes and colors
- Painted cones and flange options available

### ELECTRICAL

- Chip-on-board (COB) 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, Cord Mount, and all Wall Wash: 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)	90-99*
Reported Life (Hours)	L90 / >55,000
Input Current (mA)	N/A

\*Based on Specular, 35K, 80 CRI



DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

**Example:** LTC-4RDPH-P-15L35K9WD-PMC-SS-WH

CATALOG #

LTC-4RDPH											
Aperture/Shape/Function		Cylinder Mounting		Lumen Output		CCT		CRI		Distribution	
LTC-4RDPH	4" Round Downlight Cylinder	S	Surface	06L	600 Lumens	27K	2700K	8	80+ CRI	NR	Narrow (0.4 SC/29°)
LTC-4RWPH	4" Round Wall Wash Cylinder	W	Wall	10L	1000 Lumens	30K	3000K	9	90+ CRI	MD	Medium (0.7 SC/44°)
		P	Pendant (18" Stem Standard)	15L	1500 Lumens	35K	3500K			WD	Wide (0.9 SC/61°)
		CM	Cable/Cord (6 ft. Cord Standard) <sup>3</sup>	20L	2000 Lumens	40K	4000K			XW	Extra Wide (1.2 SC/78°)
						50K	5000K <sup>1</sup>			WW	Wall Wash

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

Notes:

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

## MENSIONS

The technical drawings show the dimensions for two models of the light fixture: Surface (-S) and Pendant (-P).

**Surface (-S) Dimensions:**

- Overall width: 6.00" (152.4mm)
- Inner width: 5.51" (139.9mm)
- Minimum plenum clearance: ALLOW 6.00" (152.4mm)
- Height from mounting surface to bottom of fixture: 14.26" (362.1mm)
- Height from mounting surface to top of fixture: 14.00" (355.6mm)
- Mounting bracket width: 5.60" (142.1mm)

**Pendant (-P) Dimensions:**

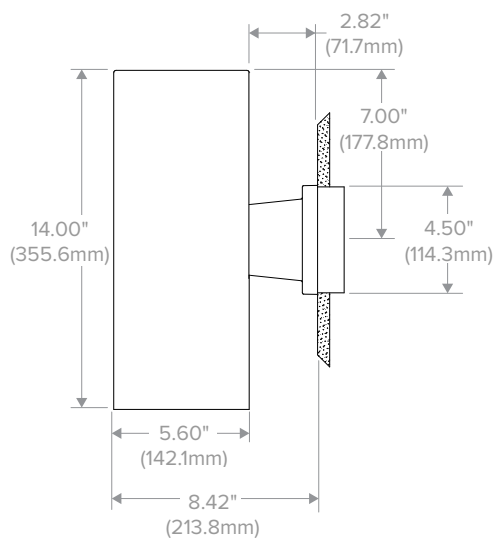
- Overall width: 6.00" (152.4mm)
- Inner width: 5.51" (139.9mm)
- Minimum plenum clearance: ALLOW 6.00" (152.4mm)
- Height from mounting surface to bottom of fixture: 17.72" (450.1mm)
- Height from mounting surface to top of fixture: 31.72" (805.7mm)
- Height from mounting surface to bottom of pendant body: 14.00" (355.6mm)
- Mounting bracket width: 5.60" (142.1mm)

# LTC-4RDWPH

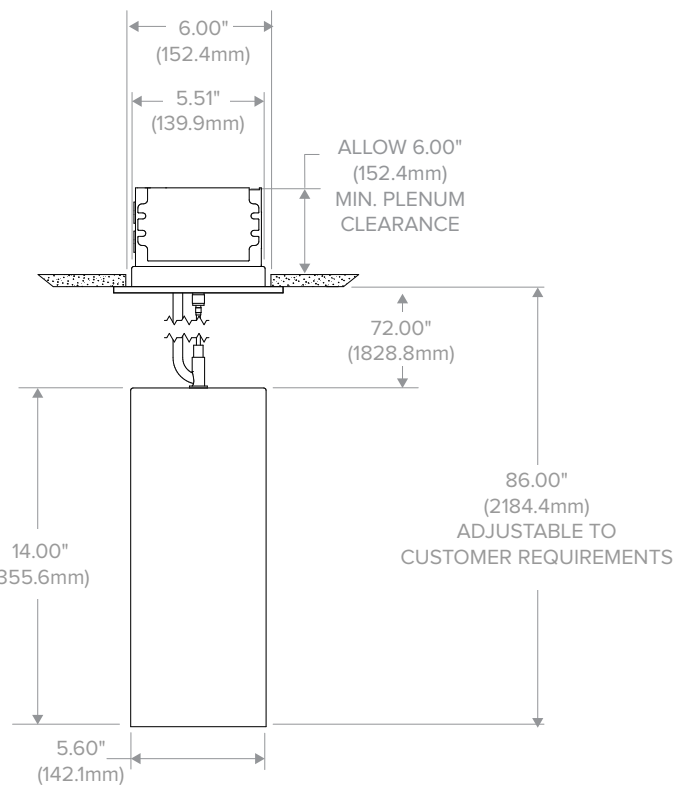
LITEISTRY 4" ROUND CYLINDER WITH POWERHUBB™

## DIMENSIONS CONTINUED

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	



Wall (-W)



Cord (-CM)



# LTC-4RDWPH

LITEISTRY 4" ROUND CYLINDER WITH POWERHUB™

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

## PHOTOMETRY

### LTC-4RDPH-P-20L35K8NR-PMC-S-BL

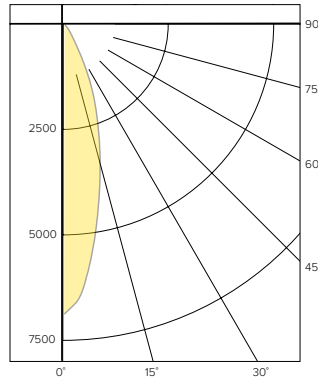
#### LUMINAIRE DATA

Test No.	R19.00532-02
Description	2000 lm, Narrow, 3500K, 80 CRI
Delivered Lumens	2238
Watts	22.5W
Efficacy	99.3
Mounting	Pendant
Spacing Criterion	0.4
Beam Angle (FWHM)	29

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2208	98.6
0-60	2237	99.9
0-90	2238	100.0
0-180	2238	100.0

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Degree	Candela
0	6877
5	6035
15	3284
25	1313
35	260
45	26
55	3
65	1
75	0
85	0
90	0

#### LUMINANCE DATA\*

Vertical Angle	Average
45°	4535
55°	645
65°	292
75°	0
85°	0

\*Candela/Square Meter

### LTC-4RDPH-P-20L35K8MD-PMC-S-BL

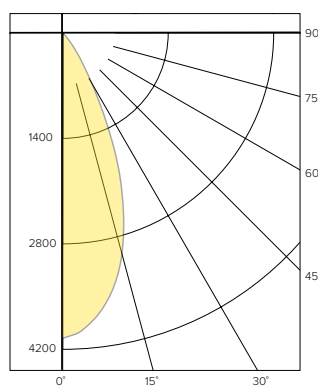
#### LUMINAIRE DATA

Test No.	R19.00533-02
Description	2000 lm, Medium, 3500K, 80 CRI
Delivered Lumens	2152
Watts	22.5W
Efficacy	95.6
Mounting	Pendant
Spacing Criterion	0.7
Beam Angle (FWHM)	44

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2113	98.2
0-60	2151	99.9
0-90	2152	100.0
0-180	2152	100.0

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Degree	Candela
0	4053
5	3893
15	3037
25	1493
35	366
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

### LTC-4RDPH-P-20L35K8WD-PMC-S-BL

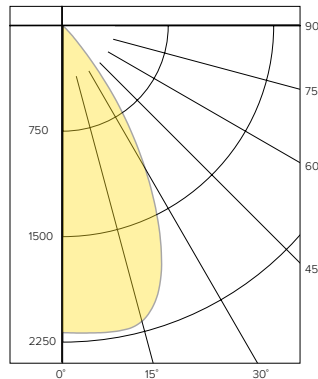
#### LUMINAIRE DATA

Test No.	R19.00534-02
Description	2000 lm, Wide, 3500K, 80 CRI
Delivered Lumens	2059
Watts	22.5W
Efficacy	91.6
Mounting	Pendant
Spacing Criterion	0.9
Beam Angle (FWHM)	61

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1983	96.3
0-60	2056	99.8
0-90	2059	100.0
0-180	2059	100.0

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Degree	Candela
0	2201
5	2210
15	2051
25	1504
35	692
45	169
55	10
65	3
75	1
85	0
90	0

#### LUMINANCE DATA\*

Vertical Angle	Average
45°	11338
55°	1075
65°	584
75°	477
85°	0

\*Candela/Square Meter

## PHOTOMETRY CONTINUED

### LTC-4RDPH-P-20L35K8XW-PMC-S-BL

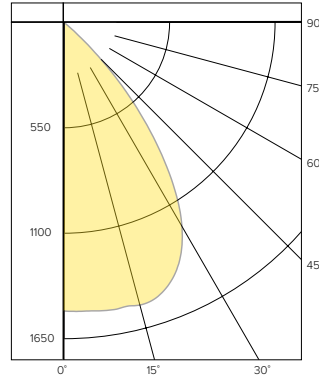
#### LUMINAIRE DATA

Test No.	R19.00535-02
Description	2000 lm, Extra Wide, 3500K, 80 CRI
Delivered Lumens	2028
Watts	22.5W
Efficacy	90.2
Mounting	Pendant
Spacing Criterion	1.2
Beam Angle (FWHM)	78

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1794	88.5
0-60	2025	99.8
0-90	2028	100.0
0-180	2028	100.0

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Degree	Candela
0	1235
5	1252
15	1392
25	1454
35	1010
45	256
55	6
65	2
75	1
85	0
90	0

#### LUMINANCE DATA\*

Vertical Angle	Average
45°	44656
55°	1290
65°	584
75°	231
85°	477

\*Candela/Square Meter

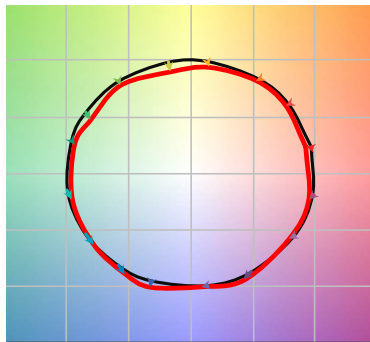
#### LUMEN MULTIPLIER

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.

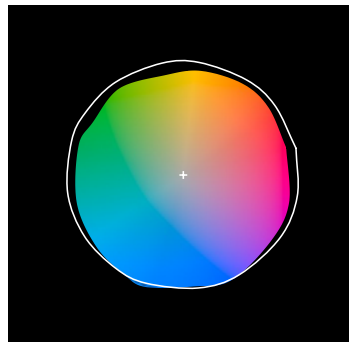
## TM-30 DATA

#### COLOR VECTOR GRAPHIC 3500K, 90 CRI



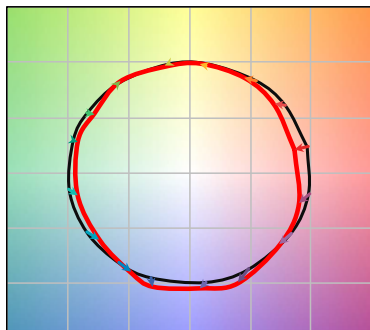
— Reference Illuminant — Test Source

#### COLOR DISTORTION GRAPHIC 3500K, 90 CRI



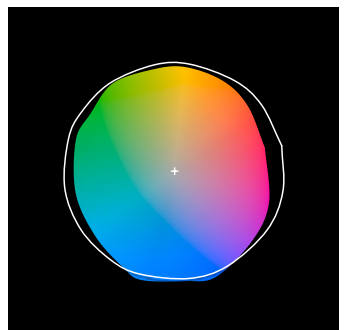
TEST RESULTS - 3500K		
Value	80+ CRI	90+ CRI
R <sub>f</sub>	84	88
R <sub>g</sub>	95	95
CCT (K)	3411	3419
D <sub>uv</sub>	0.0015	0.0042
x	0.4120	0.4147
y	0.3974	0.4052
CIE R <sub>a</sub>	84	93
CIE R <sub>g</sub>	11	62

#### COLOR VECTOR GRAPHIC 3500K, 80 CRI



— Reference Illuminant — Test Source

#### COLOR DISTORTION GRAPHIC 3500K, 80 CRI





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DATE:	LOCATION:
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CATALOG #:	

## 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.