LACYL

Project Name Qty _

__ Catalog / Part Number





Based on Narrow Optic (nominal 25°), 4000K, CRI 80+

Nominal output [lm]	Delivered output [lm] ^[1]	Power (120V) [W] [2]	Efficacy [lm/W]	Power (277V) [W][2]	Efficacy [lm/W]
700	698	6.5	107	8	87
1000	921	8	115	10	92
1300	1,256	11	114	13	97
2000	1,953	18	109	19	103

^[1] Preliminary, consult website for latest IES files.[2] Add 3 watts per fixture when specifying LumentalkTM.

Optics







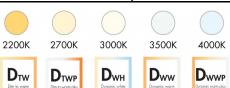




N/NFR - 25

2200K - 3000K 2200K - 3500K

Colors and Color Temperatures

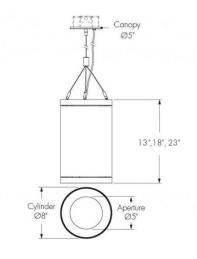


Controls

2700K - 2200K 3500K - 1800K

ON/OFF	PH	PRO PH	0 -10V	PRO 0 -10V	DALI	PRO DALI
DALIT8	٥LU	TRON	lume	n <mark>talk</mark>	₽ DM	xrdm

2700K - 6500K



Front view

Bottom view

Description

The Cylinder Large Pendant is a high-performance LED luminaire that is ideal for commercial, residential or hospitality applications and delivers up to 5000 lumens from an 8 in diameter. The Large Pendant comes in a number of finishes, or can be color-specified to fit your taste. Its accessories, beam angles, trims, and optics are easily and quickly changeable in the field.

Features

Mounting Options	Cable mounting (flat canopy or deep canopy), Stem mounting (flat canopy or deep canopy)
Suspension Length	Metal pipe (12 in, 24 in, 36 in or 48 in), Pendant cable (50 in, 100 in or 250 in, field adjustable, black or white)
Light Direction	Direct lighting
Length	13 in, 18 in, 23 in
Direct Lighting Output (nominal lumens)	700lm, 1000lm, 1300lm, 2000lm, 3000lm, 4000lm, 5000lm
Direct Lighting Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, Dim to warm (2700K to 2200K), Dim to warm plus (3500K to 1800K), Dynamic White (2700K to 6500K), Dynamic warm white (2200K to 3000K), Dynamic warm white plus (2200K to 3500K)
Direct Lighting Optics (nominal distribution)	Extra narrow spot 5°, Very narrow spot 10°, Narrow spot 15°, Narrow 25°, Narrow faceted reflector 25°, Medium 40°, Medium faceted reflector 40°, Wide 60°, Wide faceted reflector 60°
Optical Accessories	Snoot , Half snoot, Clear glass lens, Softening glass lens , Prismatic diffuser, Linear spread lens narrow (1° x 40°), Linear spread lens wide (1° x 60°), Honeycomb louver
Warranty	5-year limited warranty

Finishes



Certifications

(Please specify RAL color)







Performance

Maximum Delivered Output	Up to 4,798 lm (medium faceted reflector optic 40°, 4000K, CRI 80)
Maximum Delivered Intensity	Up to 63,952 cd (extra narrow spot optic 5°, 4000K, CRI 80)
Efficacy	Up to 129 lm/W (narrow spot optic 15°, 4000K, CRI 80)
Color Consistency	2 SDCM, 3 SDCM (XN optic only)
Color Rendering	CRI 80+, CRI 90+, CRI 95+
Lumen Maintenance	L95 55,000 hrs, L70 225,000 hrs
UGR	< 19
Physical	
Weight	Up to 14.75 lbs
Housing Material	Aluminum
TIR Optics Material	Clear polycarbonate
Reflector Material	Aluminum

Electrical and control

Voltage	120 volts, 277 volts, 347 volts
Control	On/Off control, Phase dimming, Pro Phase 1% dimming, Pro Phase Lutron® Hi-lume 1% 2-wire LTEA 120V (temporarily unavailable), Standard 0-10V dimming to 1% linear curve, Standard 0-10V (1% linear or logarithmic), Pro 0-10V (0.1% linear or logarithmic), Standard DALI (1% linear or logarithmic), DALI (0.1% linear or logarithmic), DALI-2 dimming Type 8 (multi channel capability), Lumentalk, Lutron® Hi-lume 1% EcoSystem® LDE1/PEQ1 Soft-on/Fade-to-Black, DMX/RDM enabled

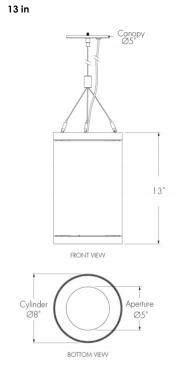
Environmental

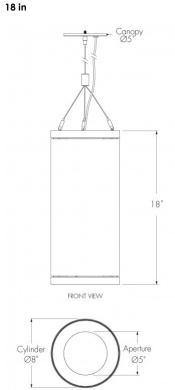
Environment	Damp location (interior applications only)
Operating Temperature	-4 °F to 86 °F
Ingress Protection Rating	IP20

Accessories (order separately)

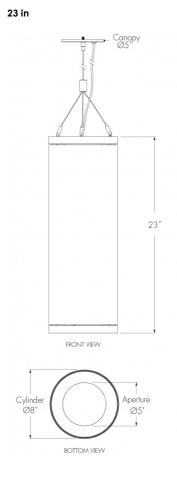
Control Boxes	DMX/RDM enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration)
Control Systems	Lumentone $^{\text{TM}}$ 2 (LTN2), Pharos $^{\text{\tiny B}}$ kit (PHAROS), Consult control systems section for details
Diagnostic and Addressing Tools	LumenID (LID), LumentalkID (LIDLT)

Fixture dimensions (shown with flat canopy & cable options)



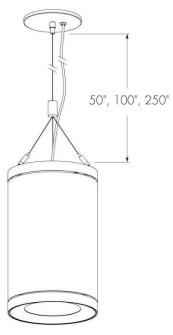


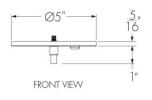
BOTTOM VIEW

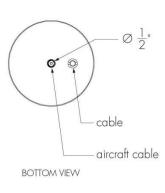


Mounting option dimensions (13 in fixture shown)

Flat canopy & cable option

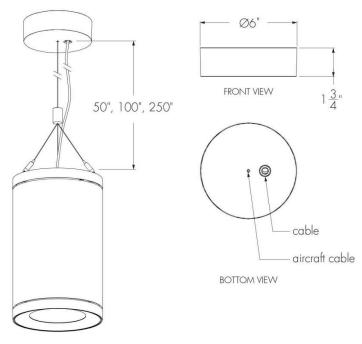




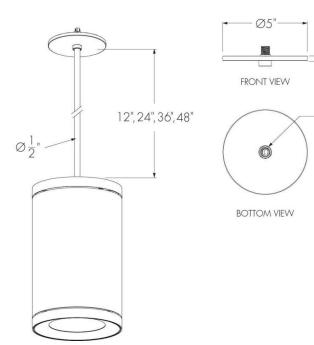


<u>5</u>"

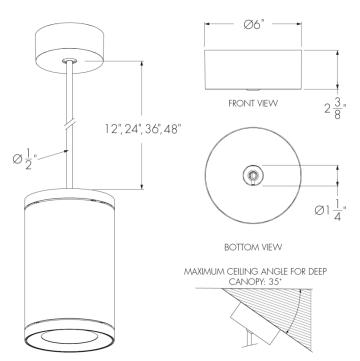
Deep canopy & cable option



Flat canopy & stem option

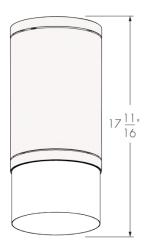


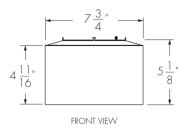
Deep canopy & stem option

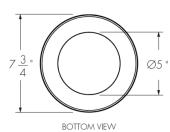


Optical accessory dimensions (13 in fixture shown)

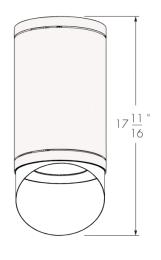
Snoot

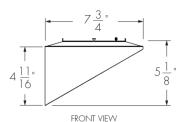


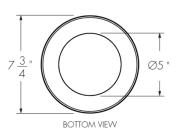




Half snoot







Photometric information - Color rendering options comparison, 3000K

Color sample	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
CRI 80+	84	82	90	97	83	82	88	86	63	15	77	83	68	84	98	75
CRI 90+	92	93	97	98	92	93	97	90	79	55	93	93	85	94	100	88
CRI 95+	97	96	97	99	96	96	95	96	97	97	96	95	86	96	98	97
Radiant CRI 80+	84	83	91	96	81	82	89	83	62	15	79	80	69	85	98	76
Radiant CRI 95+	95	95	94	95	98	94	90	94	96	96	89	95	80	94	98	96

Optics

TIR Optic XN/VN/NS/N



Semi-Specular reflector

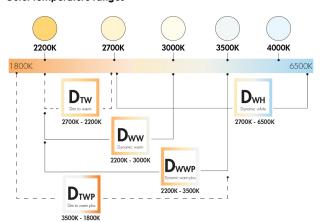


Faceted reflector

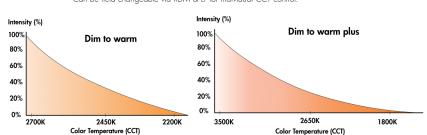


Color and color temperature

Color temperature ranges







Control

On/off control

NO - On/off control

Phase dimming

PH - Phase dimming
PPH - Pro Phase 1% dimming

PPH2 - Pro Phase Lutron® Hi-lume 1% 2-wire LTEA 120V*

Standard 0-10V dimming down to 1%

DAMC - Standard 0-10V dimming to 1% linear curve

DA1 - Standard 0-10V dimming, 1% linear

DA2 - Standard 0-10V dimming, 1% logarithmic

DA3 - Standard 0-10V dimming, 1% linear (347V)

Professional 0-10V dimming down to 0.1%

PDA1 - Pro 0-10V dimming, 0.1% linear

PDA2 - Pro 0-10V dimming, 0.1% logarithmic

Standard DALI dimming down to 1%

SDALI1 - Standard DALI dimming, 1% linear

SDALI2 - Standard DALI dimming, 1% logarithmic

Professional DALI dimming down to 0.1%

DALI1 - Pro DALI dimming, 0.1% linear

DALI2 - Pro DALI dimming, 0.1% logarithmic

DALI dimming Type 8

DALIT8 - DALI-2 dimming Type 8 (multi channel capability)

Iumen talk dimming

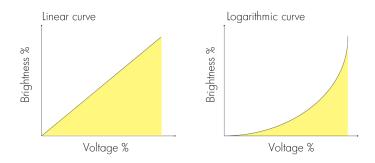
LT - Lumentalk dimming, 1% minimum dimming value

Lutron® EcoSystem®

ES - Lutron® Hi-lume 1% EcoSystem® LDE1/PEQ1 Soft-on/Fade-to-Black 1% minimum dimming value

₽DMX**rdm**

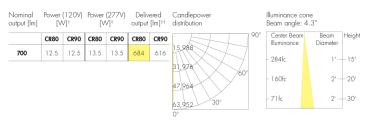
DMX/RDM - DMX/RDM enabled



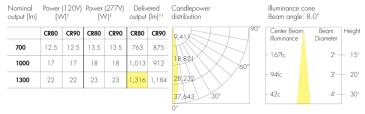
*Consult factory for Pro Phase dimming option

Photometric information - direct lighting optics

XN - Extra Narrow Spot (nominal 5°), 4000K



VN - Very Narrow Spot (nominal 10°), 4000K



NS - Narrow Spot (nominal 15°), 4000K

Nominal output [lm]		(120V) V]†		r (277V) W]†		vered t [lm]††	Candlepower distribution	Illuminance co Beam angle: 1	
	CR80	CR95	CR80	CR95	CR80	CR95	90°	Center Beam	Beam Height Diameter
700	7.5	8.5	9	10.5	969	872	-		4' 15'
1000	11	13	13	15	1,279*	1,151	14,806	- 132fc	4. — 15.
1300	13	18	15	20	1,744	1,570		- 74fc	5' — 20'
2000	21	N/A	22	N/A	2,713	N/A	29,610 30°	- 33fc	8' — 30'
							0°		

N - Narrow (nominal 25°), 4000K

Nominal output [lm]	Power (120V) Power (277V) [W] [†] [W] [†]			vered t [lm] ^{††}	Candlepower distribution	Illuminance cone Beam angle: 29.6°				
	CR80	CR95	CR80	CR95	CR80	CR95	1,095	Center Beam	Beam Diameter	Height
700	6.5	7	8	9	698	628		- 20fc	01	- 15'
1000	8	11	10	13	921	829	2,190	2010	0 -	- 13
1300	11	13	13	15	1,256	1,130	3,285	- 11fc	11'-	- 20'
2000	18	21	19	22	1,953	1,758	4,381 30°	- 5fc	16'—	- 30'
							0°			

M - Medium (nominal 40°), 4000K

ominal utput [lm]		(120V) V]†		· (277V) //]†		vered t [lm]††	Candlepower distribution	Illuminance cone Beam angle: 40.7°	
	CR80	CR95	CR80	CR95	CR80	CR95			
700	6.5	7	8	9	736	662			
1000	8	11	10	13	971*	874	900		
1300	11	13	13	15	1,324	1,192	2,038	Center Beam Beam Diameter	Heigh
2000	18	21	19	22	2,060	1,854	4,075	- 36fc 11'-	15'
3000	28	41	29	41	3,090	2,781	60°	- 20fc 15'-	20'
4000	41	N/A	41	N/A	4,046	N/A	6,113		
5000	52	N/A	52	N/A	4,781	N/A	8,150 30°	- 9fc 22'-	30'

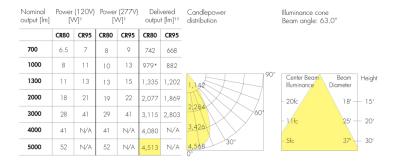
MFR - Medium faceted reflector (nominal 40°), 4000K

Nominal output [lm]		(120V) V]†		· (277V) //]†		vered t [lm]††	Candlepower distribution	Illuminance cone Beam angle: 40.7°
	CR80	CR95	CR80	CR95	CR80	CR95		
700	6.5	7	8	9	788	708		
1000	8	11	10	13	1039*	935	000	
1300	11	13	13	15	1,417	1,275	2,181	Center Beam Beam Height
2000	18	21	19	22	2,204	1,984	4,360	- 39fc 11' — 15'
3000	28	41	29	41	3,306		60°	- 22fc 15' — 20'
4000	41	N/A	41	N/A	4,329	N/A	6,541	- 10fc 22' — 30'
5000	52	N/A	52	N/A	4,789	N/A	8,721 30°	22 - 30

W - Wide (nominal 60°), 4000K

Nominal output [lm]		(120V) V]†		· (277V) V]†		vered t [lm]††	Candlepower distribution	Illuminance cone Beam angle: 63.0°
	CR80	CR95	CR80	CR95	CR80	CR95		
700	6.5	7	8	9	693	624		
1000	8	11	10	13	915*	824		
1300	11	13	13	15	1,248	1,123	1,067	Center Beam Beam Height
2000	18	21	19	22	1,941	1,747	2,134	- 19fc 18' — 15'
3000	28	41	29	41	2,911	2,620	60	- 11fc 25' — 20'
4000	41	N/A	41	N/A	3,813	N/A	3,202	
5000	52	N/A	52	N/A	4,506	N/A	4,269 30°	- 5fc 37' — 30'

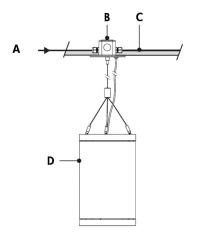
WFR - Wide faceted reflector (nominal 60°), 4000K



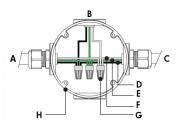
- † Delivered wattage: +/- 10% tolerance. Add 3 watts per fixture when specifying Lumentalk™.
- †† Consult website for latest IES files. Delivered output: +/- 10% tolerance.

Typical wiring diagrams (refer to installation instructions for additional wiring details)

On/Off Control (NO)



On/Off Control (NO) - wiring detail



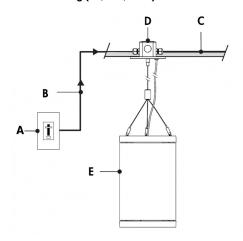
- A Power input or from previous fixture
- B To fixture
- C To next fixture
- D Line
- E Ground
- F Neutral
- G Wire-nuts (by others)
- H 4 in octagonal/round junction box (by others)

Wiring color code

Color	USE
Green Black	Ground line
White	Neutral
Red or purple	0-10V / Data +
Orange or grey	0-10V / Data -

- A Power input (120-347V)
- **B** 4 in octagonal/round junction box (by others)
- C Power wiring (by others)
- D Cylinder Large
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Consult Photometric Information pages for wattage information.

Phase dimming (PH, PPH, PPH2)

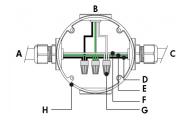


- **B** Phase dimmed power circuit (120V)
- C Power wiring (by others)

A - Phase dimmer (by others)

- **D** 4 in octagonal/round junction box (by others)
- E Cylinder Large

Phase dimming (PH, PPH, PPH2) - wiring detail



- A Power input or from previous fixture
- **B** To fixture
- C To next fixture
- **D** Line
- E Ground
- F Neutral
- G Wire-nuts (by others)
- **H -** 4 in octagonal/round junction box (by others)

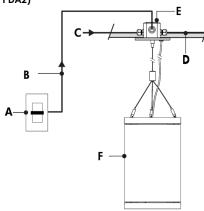
Wiring color code

Color	USE
Green Black White Red or purple Orange or grey	Ground Line Neutral 0-10V / Data + 0-10V / Data -

Consult factory for specific applications and maximum fixture count/cable length recommendations.
 Consult Photometric Information pages for wattage information.

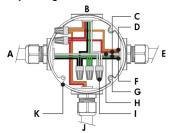
LACYL

0-10V dimming (DAMC, DA1, DA2, DA3, PDA1, PDA2)



- A Dimmer (by others)
- **B** Data wiring (by others)
- C Power input (120-347V)
- **D** Power and data wiring (by others)
- E 4 in octagonal/round junction box (by others)
- F Cylinder Large

0-10V dimming (DAMC, DA1, DA2, DA3, PDA1, PDA2) - wiring detail



- A Power input or from previous fixture
- **B** To fixture
- **C** 0-10V +
- **D -** 0-10V -
- E To next fixture
- F Line
- **G** Ground
- **H** Neutral

• Consult factory for specific applications and maximum fixture count/cable length recommendations.

- I Wire-nuts (by others)
- J From dimmer (by others)
- K 4 in octagonal/round junction box (by others)

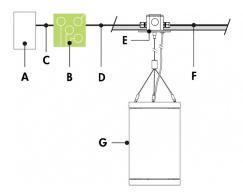
Wiring color code

Color	USE
Green	Ground
Black	Line
White	Neutral
Red or purple	0-10V / Data +
Orange or grey	0-10V / Data -

- Consult Photometric Information pages for wattage information.

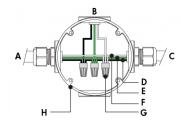
LACYL

Lumentalk (LT)



- A Dimmer/controller (by others)
- **B -** Lumentranslator 2 (LTL2-DIM, -DMX, -TRIAC, -DALI)
- C Data wiring (by others)
- D Power line (120-277V AC)
- E 4 in octagonal/round junction box (by others)
- F Power wiring (by others)
- G Cylinder Large

Lumentalk (LT) - wiring detail



- **A** Power input (control over power line via Lumentalk system) or from previous fixture
- **B** To fixture
- C To next fixture
- D Line
- E Ground
- F Neutral
- G Wire-nuts (by others)
- H 4 in octagonal/round junction box (by others)

Wiring color code

Color	USE
Green	Ground
Black	Line
White	Neutral
Red or purple	0-10V / Data +
Orange or grey	0-10V / Data -

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator 2 or Lumenlink) per system. No third party fixtures allowed on the same circuit.
- For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). Consult factory for DALI Lumentalk applications. Consult factory for applications that require additional capabilities.
- Consult Photometric Information pages for wattage information.

Optical Accessories

SN - Snoot



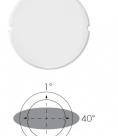
LACYL - SN

CL - Clear glass lens



LACYL - CL

LSN - Linear spread lens narrow (1° x 40°)



Horizontal Beam Distribution

LACYL - LSN

HSN - Half Snoot



LACYL - HSN

SL - Softening glass lens



LACYL - SL

LSW - Linear spread lens wide (1° x 60°)



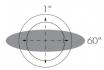
HL - Honeycomb louver

PD - Prismatic diffuser



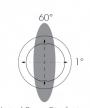
LACYL - PD





Horizontal Beam Distribution

LACYL - LSW



Vertical Beam Distribution

Control boxes (order separately)

CBX-DMX/RDM - DMX/RDM enabled (daisy chain or star configuration)

Vertical Beam Distribution





DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for daisy chain configuration, 6x for star configuration), consult factory to order spares.

CBX-ENET - Ethernet enabled (daisy chain or star configuration)





Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

Control systems (order separately)

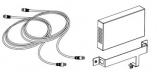
LTN2 - Lumentone™ 2



Lumentone 2 is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

PHAROS - Pharos® kit







The Pharos kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations. 2 DMX universes kit shown.

Diagnostic and addressing tools (order separately)

LID - LumenID



LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Consult LID specification sheet for details.

LID-LT - LumentalkID



LumentalkID is a diagnostic and addressing tool. It must be specified for all Lumentalk (LT) applications. Consult LID-LT specification sheet for details.

Housing ⁽¹⁾	Certification	Mounting	Mounting Option Finish	Mounting Length	Light Direction	Voltage	Length	Direct Lighting Output (nominal lumens)	Direct Lighting Color Temperatu
LACYL Cylinder Large - Ø8 in	A UL/cUL	PMF Pendant mount flat canopy (aircraft cable) PMD Pendant mount deep canopy (aircraft cable) PSF Pendant stem mount flat canopy (2) PSD Pendant stem mount deep canopy (2)	MWH Matte white MBK Matte black MSI Matte silver CC Custom color (3) (4)	M1 Metal pipe (12 in) (5) M2 Metal pipe (24 in) (5) M3 Metal pipe (36 in) (5) M4 Metal pipe (48 in) (5) ACC50BK Aircraft cable black (50 in, field adjustable) (6) ACC100BK Aircraft cable black (250 in, field adjustable) (6) ACC250BK Aircraft cable black (250 in, field adjustable) (6) ACC250BK Aircraft cable black (250 in, field adjustable) (6) ACC100BH Aircraft cable white (50 in, field adjustable) (6) ACC100WH Aircraft cable white (100 in, field adjustable) (6) ACC250WH Aircraft cable white (100 in, field adjustable) (6) ACC250WH Aircraft cable white (250 in, field adjustable) (6)	D Direct lighting	120 120 volts 277 277 volts 347 347 volts (7) (8)	13 13 in 18 18 in 23 23 in	dL07 700lm dL10 1000lm (9) dL13 1300lm (9) dL20 2000lm (10) dL30 3000lm (11) dL40 4000lm (11)	22K 2200K (8) (12) 27K 2700K 30K 30OK 30OK 35SK 35OOK 40K 4000K DTW Dim to warm (2700K to 2200K) (13) (14) DTWP Dim to warm plu (3500K to 1800K) (13) (14) DWH Dynamic White (2700K to 6500K) (14) (13) DWW Dynamic warm white (2200K to 3000K) (14) (15) DWWP Dynamic warm white (2200K to 3500K) (14) (15)

Notes:

- Refer to website product configurator for all exceptions.
 Stem finish matches fixture housing color.

- 3. Refer to Finish section for additional color codes (ex. MGR).
 4. Longer lead times can be expected for custom RAL color finishes.
- Metal pipe available for PSF and PSD mounting options only.
 Available for PMF and PMD mounting options only.
- 7. Not available for 700 and 5000 lumens. 8. Not available for XN and VN optics.

- 9. Available for VN, NS, N, NFR, M, MFR, W and WFR optics only.
- 10. Available for NS, N, NFR, M, MFR, W and WFR optics only.
- 11. Available for NFR, M, MFR, W and WFR optics only.
 12. Available for CR80 only.
- 13. Available for 1000, 1300, 2000 and 3000 lumens when combined with CR90 and NFR, M, MFR, W or WFR optics only.
 14. NFR, MFR and WFR faceted reflector optics are recommended for optimal performance.
- 15. Available for 1300 lumens when combined with CR80 and NFR, M, MFR, W or WFR optics only.

How to order

Direct Lighting Color Rendering Optics (nomin- distribution)		Direct Lighting Accessories (49)	Finish	Bezel	Bezel Finish
CR80 CRI 80+ (14) CR90 CRI 90+ (17) CR95 CRI 95+ RCR80 Radiant CRI 80+ (18) (18) RCP5+ (18) (18) RCP5- (18) (18) Narrow spot 15° (21) Narrow 25° (21) Narrow faceted reflector 25° Medium 40° MFR Medium 40° MFR Medium 40° Wide 60° WFR Wide 60° WFR Wide faceted reflector 60°	NO On/off control (23) (24) (25) PH Phase dimming (25) (24) (27) (28) PPH Pro Phase 1% dimming (8) (25) (28) (29) (30) PPH2 Pro Phase Lutron® Hi-lume 1% 2-wire LIEA 120V (temporarily unavailable) (8) (25) (28) (31) (32) (33) DAMC Standard 0-10V dimming to 1% linear curve (25) (29) (34) (35) (36) DA1 Standard 0-10V dimming 1% linear (24) (37) (38) DA2 Standard 0-10V dimming 1% linear (24) (37) (38) PDA3 Standard 0-10V dimming 1% linear (347V) (38) (39) PDA1 Pro 0-10V dimming 0.1% linear (24) (25) (37) PDA2 Pro 0-10V dimming 0.1% linear (24) (25) (37) SDALI1 Standard DALI dimming 1% linear (36) (40) DALI1 Pro DALI dimming 0.1% logarithmic (36) (40) DALI2 Standard DALI dimming 1% linear (25) (41) DALI2 Pro DALI dimming 0.1% logarithmic (24) (25) (41) DALI2 Pro DALI dimming 0.1% logarithmic (24) (25) (41) DALI2 Pro DALI dimming 0.1% logarithmic (24) (25) (41) DALI2 Pro DALI dimming 0.1% logarithmic (24) (25) (41) DALI2 Pro DALI dimming 0.1% logarithmic (24) (25) (41) DALI2 Pro DALI dimming 0.1% logarithmic (24) (25) (41) DALI2 Pro DALI dimming 0.1% logarithmic (24) (25) (41) DALI3 DALI4 S DALI5 Soft-on/Fade-to-Black (8) (25) (44) (45) LT Lumentalk dimming (46) (47)	NA No accessory SN Snoot (51) HSN Half snoot (51) HL Honeycomb louver (52) CL Clear glass lens SL Softening glass lens PD Prismatic diffuser (53) LSN Linear spread lens narrow (1° x 40°) (54) (55) LSW Linear spread lens wide (1° x 60°) (55) (56)	MWH Matte white MBK Matte black MBR Matte black MBR Matte brown MOR Matte orange MGR Matte green MBL Matte blue MSI Matte silver GWH Glossy white GBK Glossy black GYL Glossy yellow GLR Glossy violet GGR Glossy violet GGR Glossy green GIY Concrete grey MLG Metalized grey IBR Italian brick red PWH Parget white CC Custom color & finish (4)	b Bezel	MWH Matte white MBK Matte black MBR Matte black MBR Matte brown MOR Matte orange MGR Matte green MBL Matte blue MSI Matte silver GWH Glossy white GBK Glossy black GYL Glossy yellow GLR Glossy violet GGR Glossy violet GGR Glossy green GIY Concrete grey MLG Metalized grey IBR Metalized grey IBR Parget white CC Custom color & finish (4)

Notes:

- 4. Longer lead times can be expected for custom RAL color finishes.
- 8. Not available for XN and VN optics.
- 16. Available for 2200K, 2700K, 3000K, 3500K, 4000K and DWH, DWW or DWWP color options only.
- 17. Available for 2700K, 3000K, 3500K and 4000K color options when combined with XN or VN optics only. Available for DTW and DTWP color options when combined with NFR, M, MFR, W or WFR optics only.
- 18. Radiant CRI options available for 3000K only.
- 19. Available for 700 lumens when combined with CR80 or CR90 color rendering options only
- 20. Available for 700, 1000 and 1300 lumens when combined with CR80 or CR90 color rendering options only. 21. Available up to 2000 lumens.
- 22. Control options vary according to color temperature, color rendering and optics combination. Refer to website product configurator for details.
- 23. Manufacturer's choice driver. Order code may change to NO1.
 24. Available up to 1300 lumens (CR80, RCR80, CR95 or RCR95) and 2000 lumens (CR80 or RCR80) for NS and N optics. Available up to 3000 lumens (CR80, RCR80, CR95 or RCR95), 4000 lumens (CR80 or RCR80) and 5000 lumens (CR80 or RCR80) for NFR, M, MFR, W and WFR optics
- 25. Not available for DTW, DTWP, DWH, DWW or DWWP color options.

- 27. Available up to 1300 lumens (CR80, RCR80, CR95 or RCR95) and 2000 lumens (CR80 or RCR80) for NS optic. Available up to 2000 lumens (CR80, RCR80, CR95 or RCR95) for N optic and up to 3000 lumens (CR80 or RCR80) for NFR, M, MFR, W and WFR
- 28. Available for 120V voltage option only.
- 29. Available up to 3000 lumens when combined with CR80 color rendering option. Available up to 2000 lumens when combined with CR90 or CR95 color rendering options.
- 30. Manufacturer's choice driver. Order code is subject to change.
- 31. Consult factory for PPH2 control option.
- 32. Available for 1300, 2000 and 3000 lumens only.
- 33. Not available for CR90.
- 34. Manufacturer's choice driver. Order code may change to DAMC1 or DAMC2.
- 35. Not available for XN and VN optics.36. Not available with 347V.
- 37. Driver cuts off power to the fixture when the control signal drops below 0.5V.
- 38. Not available for DWH, DWW or DWWP color options.
- 39. Available up to 1300 Jumens (CR80, RCR80, CR95 or RCR95) and 2000 Jumens (CR80 or RCR80) for NS optic. Available up to



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26. Manufacturer's choice ariver. Order code may change to PHT of PHZ.

- 40. Available for DTW and DTWP color options only, when combined with 1000, 1300, 2000 or 3000 lumens.
- 41. Consult factory for other DALI control options for static color temperatures.
- 42. Available for DWH, DWW and DWWP color options only. DALI-2 Type 8 controller required.
- 43. Consult factory for DALIT8 control option.
- 44. One EcoSystem® address per fixture. 1% minimum dimming value. Lutron® EcoSystem® Enabled dimming not available for 700 lumens or 1000 lumens.
- 45. Available for 1300 lumens (CR80, RCR80, CR95 or RCR95) and 2000 lumens (CR80 or RCR80) for NS optic. Available up to W and WFR optics.
- 46. Available up to 1300 lumens (CR80, RCR80, CR95 or RCR95) and 2000 lumens (CR80 or RCR80) for NS optic. Available up to 2000 lumens (CR80, RCR80, CR95 or RCR95) for N, NFR, M, MFR, W and WFR optics.
- $\textbf{47.} \ A \ Lumentranslator\ 2 \ (LTL2) \ and \ LumentralkID \ (LIDLT) \ must be specified for \ Lumentalk \ applications. \ Consult \ Lumentranslator\ 2 \ (LTL2) \ and \ 2 \ ($ and Lumentalk pages and specification sheets for details.

- 2000 iumens (Ck80, KCk80, Ck95 or KCk95) for in optic and up to 4000 iumens (Ck80 or KCk80) for infk, im, Mfk, iw and wifk
- 48. A Control Box (CBX-DS or CBX-ST) and lumenID (LID) must be specified.
- 49. Accessories specified in the fixture code are factory installed but can also be changed in the field. Refer to installation instructions for details. To order accessories separately, refer to the Optical Accessories section of the specification sheet. 50. Maximum of two lenses can be installed per fixture. The Snoot (SN) or Half Snoot (HSN) can be combined with any
- accessory. The Clear Glass Lens (GL) and Softening Glass Lens (SL) cannot be combined together. The Linear Spread Lenses (LSN and LSW) are compatible with the Snoot and Half Snoot accessories only.
- 51. Matte black interior surface, exterior finish matches housing color. 52. When combined with another accessory, the HL will be factory-installed in second position (furthest from the LED source).
 53. Can be combined with HL accessory for 2200K, 2700K, 3000K, 3500K and 4000K color options only.
- 54, Nominal 10° x 40° distribution when used with the NS optic.

 55. Available for XN, VN, NS, N and NFR optics when combined with 2200K, 2700K, 3000K, 3500K, 4000K color options only. Available for NFR optic only when combined with DTW, DTWP, DWH, DWW or DWWP color options only.
- 56. Nominal 10° x 60° distribution when used with the NS optic.