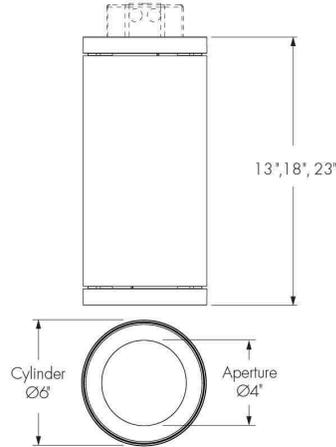


Project Name \_\_\_\_\_ Qty \_\_\_\_\_

Type \_\_\_\_\_ Catalog / Part Number \_\_\_\_\_



Front view

Bottom view

**Photometric Summary**

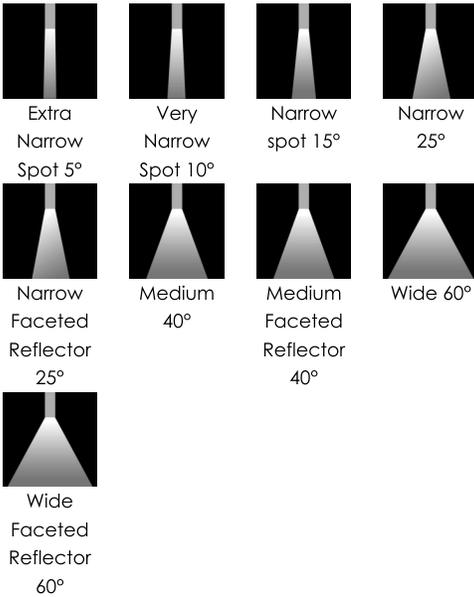
Based on Narrow Optic (nominal 25°), 4000K, CRI 90+

Nominal output [lm]	Delivered output [lm] <sup>[1]</sup>	Power (120V) [W] <sup>[2]</sup>	Efficacy [lm/W]	Power (277V) [W] <sup>[2]</sup>	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] Consult website for latest IES files.

[2] Add 3 watts per fixture when specifying Lumentalk™.

**Optics**



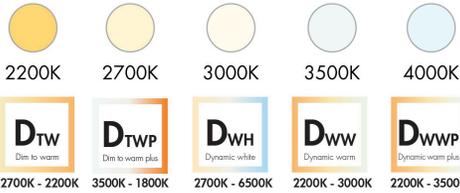
**Description**

The Lumencore Cylinder Medium Surface Mount is a high-performance LED luminaire that is ideal for commercial, residential or hospitality applications and delivers up to 4000 lumens from a 6 in diameter. The Lumencore Cylinder Medium Surface Mount 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**

<b>Mounting</b>	Surface Mount
<b>Light Direction</b>	Direct lighting
<b>Length</b>	13 in, 18 in, 23 in
<b>Direct Lighting Output (Nominal Lumens)</b>	700lm, 1000lm, 1300lm, 2000lm, 3000lm, 4000lm, 5000lm
<b>Direct Lighting Color Temperature</b>	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)
<b>Direct Lighting Optics (Nominal Distribution)</b>	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°
<b>Optical Accessories</b>	Snoot , Half Snoot, Honeycomb Louver, Clear Glass Lens, Softening Glass Lens, Prismatic Diffuser, Linear Spread Lens Narrow (1° x 40°), Linear Spread Lens Wide (1° x 60°)
<b>Warranty</b>	5-year limited warranty
<b>Performance</b>	
<b>Maximum Delivered Output</b>	Up to 5,019 lm (medium faceted reflector optic 40°, 4000K, CRI 90)
<b>Maximum Delivered Intensity</b>	Up to 63,952 cd (extra narrow spot optic 5°, 4000K, CRI 80)

### Colors and Color Temperatures



### Controls



### Finishes



### Certifications



<b>Efficacy</b>	Up to 129 lm/W (narrow spot optic 15°, 4000K, CRI 80)
<b>Color Consistency</b>	2 SDCM, 3 SDCM (XN optic only)
<b>Color Rendering</b>	CRI 80+, CRI 90+, CRI 95+
<b>Lumen Maintenance</b>	L95 55,000 hrs L70 225,000 hrs
<b>UGR</b>	< 19

### Physical

<b>Weight</b>	Up to 10.58 lbs
<b>Housing Material</b>	Aluminum
<b>TIR Optics Material</b>	Clear polycarbonate
<b>Reflector Material</b>	Aluminum

### Electrical and Control

<b>Voltage</b>	120 Volts, 277 Volts, 347 Volts
<b>Control</b>	On/Off Control, Phase Dimming, Phase Dimming 1%, Standard 0-10V Dimming 1% (Linear or Logarithmic Curve), Professional 0-10V Dimming 0.1% (Linear or Logarithmic Curve), Standard DALI Dimming 1% (Linear or Logarithmic Curve), Professional DALI Dimming 0.1% (Linear or Logarithmic Curve), DALI-2 T8 Enabled Dimming 1%, Lumentalk Enabled Dimming, Lutron® Hi-lume 1% EcoSystem® LDE1/PEQ1 Soft-on/Fade-to-Black, DMX/RDM Enabled Dimming 1%

### Environmental

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

### Accessories (Order Separately)

<b>Control Boxes</b>	DMX/RDM enabled (Daisy Chain or Star Configuration), Ethernet enabled (Daisy Chain or Star Configuration)
<b>Control Systems</b>	Pharos® Lighting Control Kit (PHAROS), Consult control systems section for details
<b>Diagnostic and Addressing Tools</b>	LumenID (LID)

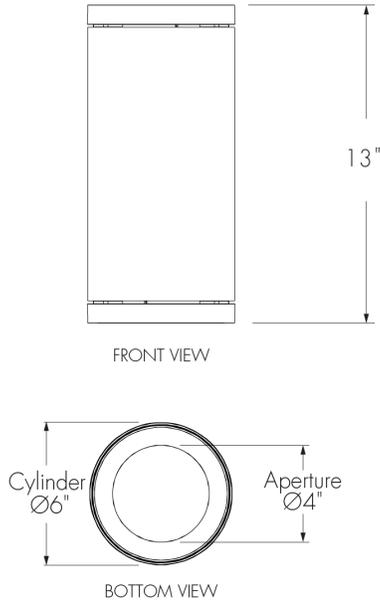
### Important

#### Virtual Patent Marking Notice

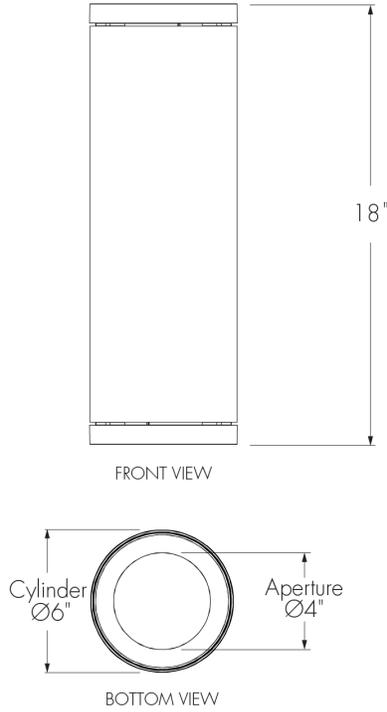
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Fixture Dimensions

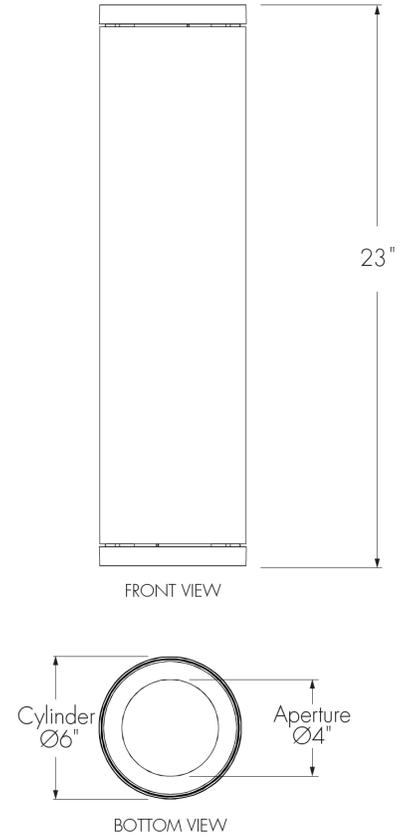
13 in



18 in

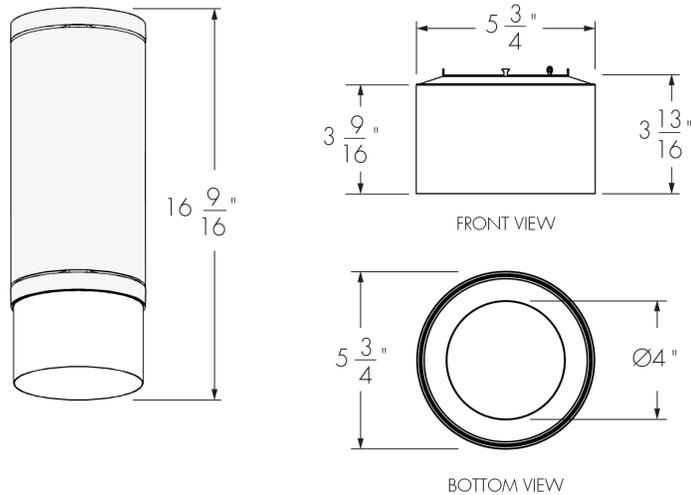


23 in

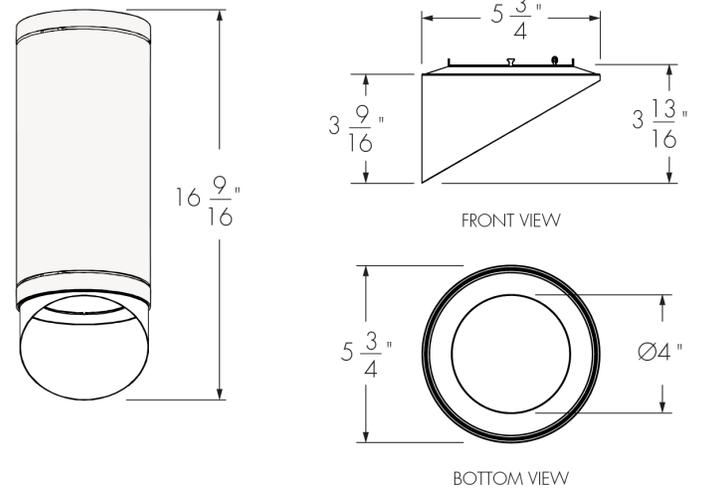


Optical Accessory Dimensions (13 in Fixture Shown)

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+	94	95	98	99	95	94	97	91	80	55	93	97	83	96	99	89
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  
M/W

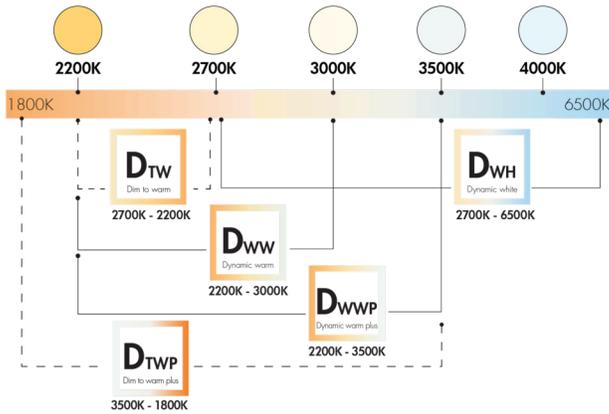


Faceted reflector  
NFR/MFR/WFR

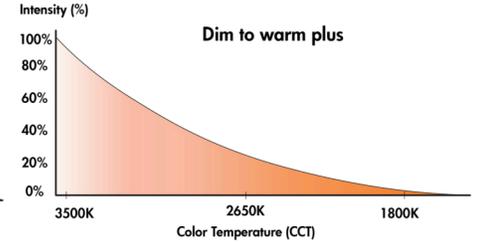
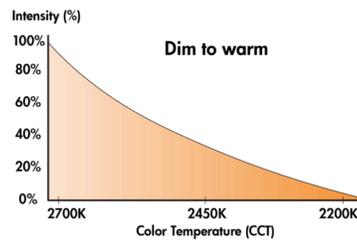


## Color and Color Temperature

### Color Temperature Ranges



- 1 channel (DTW, DTWP) Compatible with: DA1 SDALI DMXrdm lumen talk
  - 2 channels (DWH, DWW, DWWP) Compatible with: DALI8 DMXrdm lumen talk
  - 3 channels\* (DWH, DWW, DWWP) Compatible with: DALI8 DMXrdm lumen talk
- \* Can be field changeable via RDM & IT for individual CCT control.



## Control

### On/off control

NO - On/off control

### Phase dimming

PH - Phase dimming

PPH - Phase 1% dimming

### 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

DALI8 - DALI-2 dimming Type 8 (multi channel capability)

Refer to How to Order Pages and the website product configurator for exceptions.

### lumen talk dimming

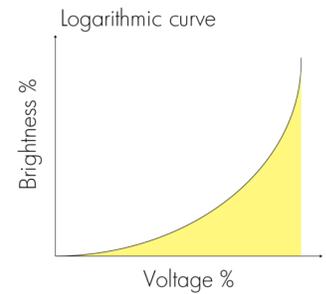
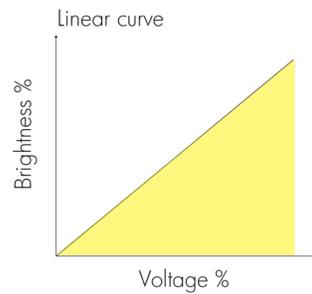
LT - lumentalk dimming, 1% minimum dimming value

### Lutron® EcoSystem®

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

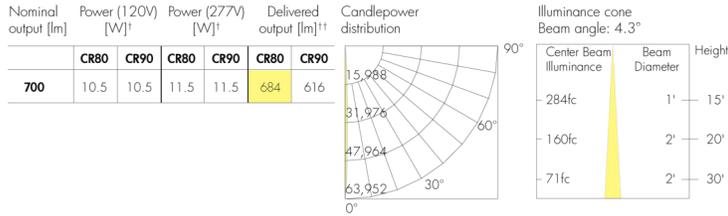
### DMXrdm

DMX/RDM - DMX/RDM enabled

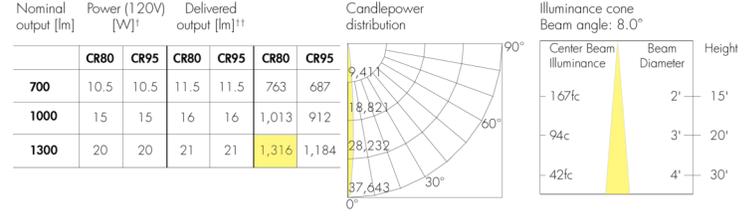


Photometric Information - Direct Lighting Optics

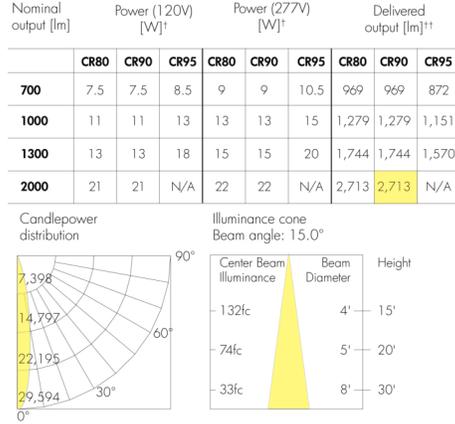
**XN - Extra Narrow Spot (Nominal 5°), 4000K**



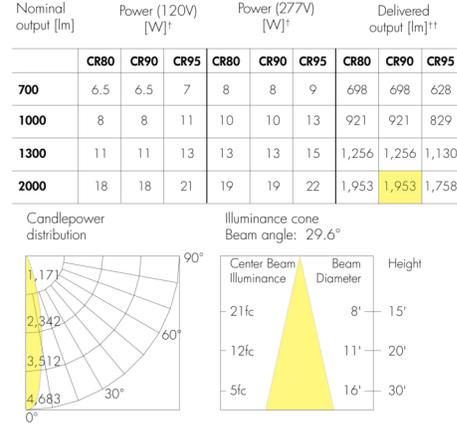
**VN - Very Narrow Spot (Nominal 10°), 4000K**



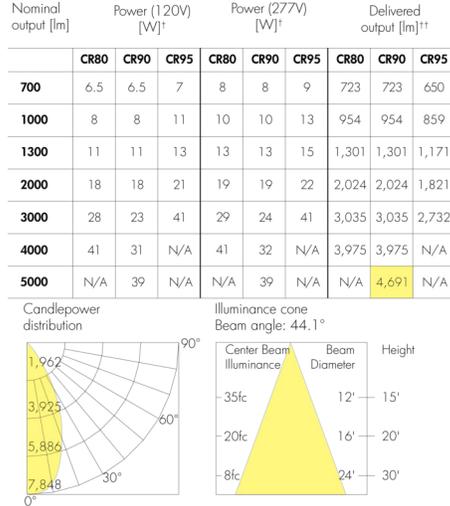
**NS - Narrow Spot (Nominal 15°), 4000K**



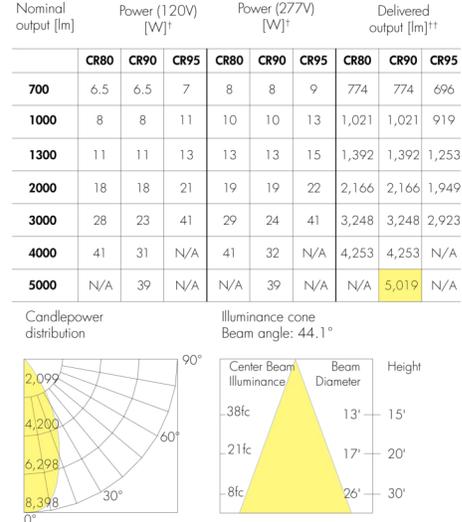
**N - Narrow (Nominal 25°), 4000K**



**M - Medium (Nominal 40°), 4000K**



**MFR - Medium Faceted Reflector (Nominal 40°), 4000K**



†Delivered wattage: +/- 10% tolerance. Add 3 watts per fixture when specifying Lumentalk™. Add 3 watts for 347V combined with NS, N, NFR, M, MFR, W or WFR optics and CR90.

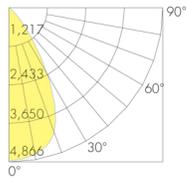
††Consult website for latest IES files. Delivered output: +/- 10% tolerance.

Photometric performance is measured in compliance with IESNA LM-79-24.

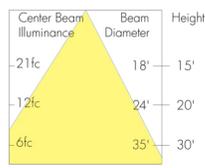
**W - Wide (Nominal 60°), 4000K**

Nominal output [lm]	Power (120V) [W]†			Power (277V) [W]†			Delivered output [lm]††		
	CR80	CR90	CR95	CR80	CR90	CR95	CR80	CR80	CR95
700	6.5	6.5	7	8	8	9	677	677	609
1000	8	8	11	10	10	13	893	893	804
1300	11	11	13	13	13	15	1,218	1,218	1,096
2000	18	18	21	19	19	22	1,894	1,894	1,705
3000	28	23	41	29	24	41	2,841	2,841	2,557
4000	41	31	N/A	41	32	N/A	3,721	3,721	N/A
5000	N/A	39	N/A	N/A	39	N/A	N/A	4,391	N/A

Candlepower distribution



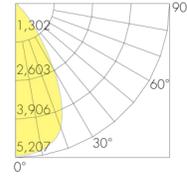
Illuminance cone Beam angle: 60.8°



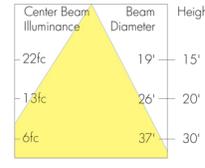
**WFR - Wide Faceted Reflector (Nominal 60°), 4000K**

Nominal output [lm]	Power (120V) [W]†			Power (277V) [W]†			Delivered output [lm]††		
	CR80	CR80	CR95	CR80	CR80	CR95	CR80	CR80	CR95
700	6.5	6.5	7	8	8	9	724	724	652
1000	8	8	11	10	10	13	956	956	860
1300	11	11	13	13	13	15	1,303	1,303	1,173
2000	18	18	21	19	19	22	2,027	2,027	1,824
3000	28	23	41	29	24	41	3,040	3,040	2,736
4000	41	31	N/A	41	32	N/A	3,982	3,982	N/A
5000	N/A	39	N/A	N/A	39	N/A	N/A	4,699	N/A

Candlepower distribution



Illuminance cone Beam angle: 60.8°



†Delivered wattage: +/- 10% tolerance. Add 3 watts per fixture when specifying Lumentalk™.

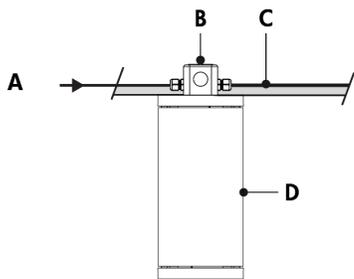
Add 3 watts for 347V combined with NS, N, NFR, M, MFR, W or WFR optics and CR90.

††Consult website for latest IES files. Delivered output: +/- 10% tolerance.

Photometric performance is measured in compliance with IESNA LM-79-24.

**Typical Wiring Diagrams (Refer to Installation Instructions for Additional Wiring Details)**

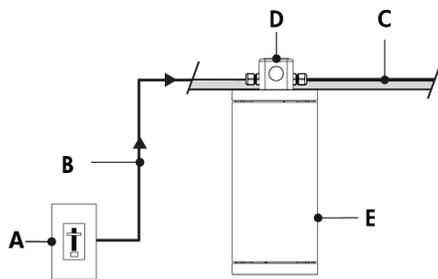
**On/Off Control (NO)**



- A - Power input (120-347V)
- B - 4 in octagonal/round junction box (by others)
- C - Power wiring (by others)
- D - Lumencore Cylinder Medium Surface Mount

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

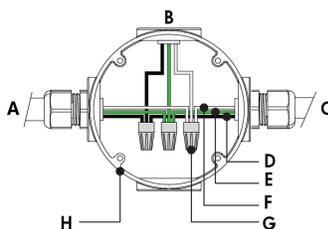
**Phase Dimming (PH, PPH, PPH2)**



- A - Phase dimmer (by others)
- B - Phase dimmed power circuit (120V)
- C - Power wiring (by others)
- D - 4 in octagonal/round junction box (by others)
- E - Lumencore Cylinder Medium Surface Mount

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

**On/Off Control (NO) - Wiring Detail**

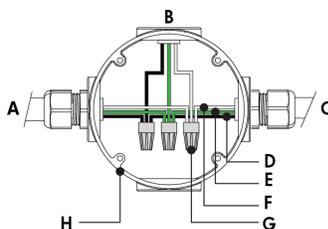


- A - Power input or from previous fixture
- B - To fixture
- C - To next fixture
- D - Line
- E - Ground
- F - Neutral
- G - Wire-nuts (by others)
- H - 4 in octagonal/round junction box (by others)

**Wiring Color Code**

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

**Phase Dimming (PH, PPH, PPH2) - Wiring Detail**

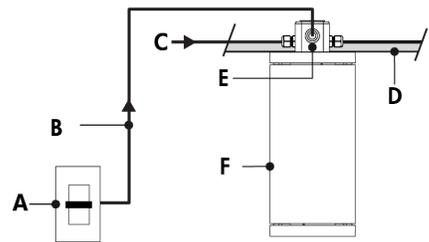


- A - Power input or from previous fixture
- B - To fixture
- C - To next fixture
- D - Line
- E - Ground
- F - Neutral
- G - Wire-nuts (by others)
- H - 4 in octagonal/round junction box (by others)

**Wiring Color Code**

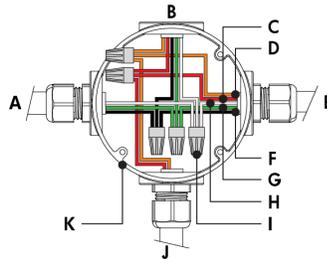
Color	USE
Green	Ground
Black	Line
White	Neutral
Red or purple	0-10V / Data +
Orange or grey	0-10V / Data -

**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 - Lumencore Cylinder Medium Surface Mount

**0-10V Dimming (DAMC, DA1, DA2, DA3, PDA1, PDA2) - Wiring Detail**



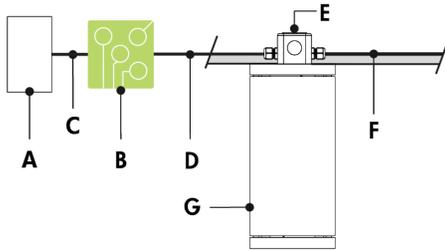
- A - Power input or from previous fixture
- B - To fixture
- C - 0-10V +
- D - 0-10V -
- E - To next fixture
- F - Line
- G - Ground
- H - Neutral
- I - Wire-nuts (by others)
- J - From dimmer (by others)
- K - 4 in octagonal/round junction box (by others)

**Wiring Color Code**

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

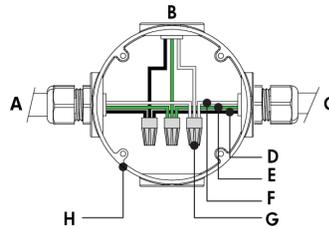
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Consult Photometric Information pages for wattage information.

**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 - Lumencore Cylinder Medium Surface Mount

**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**



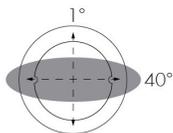
LACYM - SN

**CL - Clear Glass Lens**

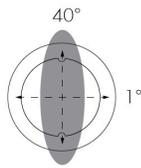


LACYM - CL

**LSN - Linear Spread Lens Narrow (1° x 40°)**



Horizontal Beam Distribution



Vertical Beam Distribution

LACYM - LSN

**HSN - Half Snoot**



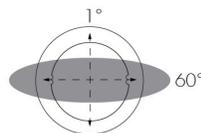
LACYM - HSN

**SL - Softening Glass Lens**

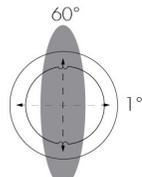


LACYM - SL

**LSW - Linear Spread Lens Wide (1° x 60°)**



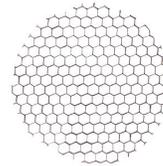
Horizontal Beam Distribution



Vertical Beam Distribution

LACYM - LSW

**HL - Honeycomb Louver**



LACYM - HL

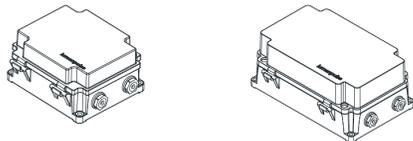
**PD - Prismatic Diffuser**



LACYM - PD

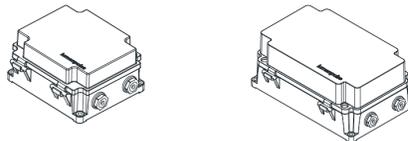
**Control Boxes (Order Separately)**

**CBX-DMX/RDM - DMX/RDM Enabled (Daisy Chain or Star Configuration)**



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. Lumeterminators 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)

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### PHAROS - Pharos® Designer Lighting Control Kit

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The Pharos Designer Lighting Control Kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations.

## Diagnostic And Addressing Tools (Order Separately)

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### LID - LumenID

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The updated LumenID (LID) is now your all-in-one diagnostic and addressing solution for both DMX/RDM and Lumentalk (LT) systems. Engineered for versatility, it streamlines commissioning and troubleshooting across protocols—no need for multiple tools. Consult the LID specification sheet for full details.

How to Order

Housing <sup>(1)</sup>	Certification	Mounting	Light Direction	Voltage	Length	Direct Lighting Output (Nominal Lumens)	Direct Lighting Color Temperature	Direct Lighting Color Rendering	Direct Lighting Optics (Nominal Distribution)
LACYM Lumencore Cylinder Medium - Ø6 in	A UL/cUL	SM Surface Mount	D Direct lighting	120 120 Volts	13 13 in	dL07 700lm	22K 2200K <sup>(3) (8)</sup>	CR80 CRI 80+ <sup>(12)</sup>	XN Extra Narrow Spot 5° <sup>(14)</sup>
				277 277 Volts	18 18 in	dL10 1000lm <sup>(4)</sup>	27K 2700K	CR90 CRI 90+	VN Very Narrow Spot 10° <sup>(15)</sup>
				347 347 Volts <sup>(2) (3)</sup>	23 23 in	dL13 1300lm <sup>(4)</sup>	30K 3000K	CR95 CRI 95+	NS Narrow Spot 15° <sup>(16)</sup>
						dL20 2000lm <sup>(5)</sup>	35K 3500K	RCR80 Radiant CRI 80+ <sup>(3) (13)</sup>	N Narrow 25° <sup>(16)</sup>
						dL30 3000lm <sup>(6)</sup>	40K 4000K	RCR95 Radiant CRI 95+ <sup>(3) (13)</sup>	NFR Narrow Faceted Reflector 25°
						dL40 4000lm <sup>(6)</sup>	DTW Dim to Warm (2700K to 2200K) <sup>(9) (10)</sup>	M Medium 40°	
						dL50 5000lm <sup>(6) (7)</sup>	DTWP Dim to Warm Plus (3500K to 1800K) <sup>(9) (10)</sup>	MFR Medium Faceted Reflector 40°	
			DWH Dynamic White (2700K to 6500K) <sup>(10) (11)</sup>	W Wide 60°					
			DWW Dynamic Warm White (2200K to 3000K) <sup>(10) (11)</sup>	WFR Wide Faceted Reflector 60°					
			DWWP Dynamic Warm White Plus (2200K to 3500K) <sup>(10) (11)</sup>						

Notes:

1. Refer to website product configurator for all exceptions.
2. Not available for 700 lumens.
3. Not available for XN and VN optics.
4. Available for VN, NS, N, NFR, M, MFR, W and WFR optics only.
5. Available for NS, N, NFR, M, MFR, W and WFR optics only.
6. Available for NFR, M, MFR, W and WFR optics only.
7. Available for CR90 only.
8. Available for CR80 only.
9. Available for 1000, 1300 and 2000 lumens when combined with NFR, M, MFR, W and WFR optics only.
10. NFR, MFR and WFR faceted reflector optics are recommended for optimal performance.
11. Available for 1300 lumens when combined with CR80 and NFR, M, MFR, W or WFR optics only.
12. Available for 2200K, 2700K, 3000K, 3500K, 4000K and DWH, DWW or DWWP color options only.
13. Radiant CRI options available for 3000K only.
14. Available for 700 lumens when combined with CR80 or CR90 color rendering options only.
15. Available for 700, 1000 and 1300 lumens when combined with CR80 or CR90 color rendering options only.
16. Available up to 2000 lumens.

How to Order

Direct Lighting Control (17)	Direct Lighting Accessories (40) (41)	Finish	Bezel	Bezel Finish
<b>NO</b> On/Off Control (18) (19) (20)	<b>NA</b> No Accessory	<b>MWH</b> Matte White	<b>b</b> Bezel	<b>MWH</b> Matte White
<b>PH</b> Phase Dimming (20) (21) (22) (23)	<b>SN</b> Snoot (42)	<b>MBK</b> Matte Black		<b>MBK</b> Matte Black
<b>PPH</b> Phase Dimming 1% (3) (20) (23) (24) (25)	<b>HSN</b> Half Snoot (42)	<b>MBR</b> Matte Brown		<b>MBR</b> Matte Brown
<b>DAMC</b> Standard 0-10V Dimming 1% Linear Curve (20) (24) (26) (27) (28)	<b>HL</b> Honeycomb Louver (43)	<b>MOR</b> Matte Orange		<b>MOR</b> Matte Orange
<b>DA1</b> Standard 0-10V Dimming 1% Linear Curve (19) (29) (30)	<b>CL</b> Clear Glass Lens	<b>MGR</b> Matte Green		<b>MGR</b> Matte Green
<b>DA2</b> Standard 1-10V Dimming 1% Logarithmic Curve (19) (29) (30)	<b>SL</b> Softening Glass Lens	<b>MBL</b> Matte Blue		<b>MBL</b> Matte Blue
<b>DA3</b> Standard 0-10V Dimming 1% Linear Curve (347V) (19) (30)	<b>PD</b> Prismatic Diffuser (44)	<b>MSI</b> Matte Silver		<b>MSI</b> Matte Silver
<b>PDA1</b> Professional 0-10V Dimming 0.1% Linear Curve (19) (20) (29)	<b>LSN</b> Linear Spread Lens Narrow (1° x 40°) (45) (46)	<b>GWH</b> Glossy White		<b>GWH</b> Glossy White
<b>PDA2</b> Professional 0-10V Dimming 0.1% Logarithmic Curve (19) (20) (29)	<b>LSW</b> Linear Spread Lens Wide (1° x 60°) (46) (47)	<b>GBK</b> Glossy Black		<b>GBK</b> Glossy Black
<b>SDALI1</b> Standard DALI Dimming 1% Linear Curve (28) (31)		<b>GYL</b> Glossy Yellow		<b>GYL</b> Glossy Yellow
<b>SDALI2</b> Standard DALI Dimming 1% Logarithmic Curve (28) (31)		<b>GLR</b> Glossy Red		<b>GLR</b> Glossy Red
<b>DALI1</b> Professional DALI Dimming 0.1% Linear Curve (19) (20) (32)		<b>GVI</b> Glossy Violet		<b>GVI</b> Glossy Violet
<b>DALI2</b> Professional DALI Dimming 0.1% Logarithmic Curve (19) (20) (32)		<b>GGR</b> Glossy Green		<b>GGR</b> Glossy Green
<b>DALI2</b> Professional DALI Dimming 0.1% Logarithmic Curve (19) (20) (32)		<b>GIY</b> Glossy Ivory		<b>GIY</b> Glossy Ivory
<b>DALI2</b> Professional DALI Dimming 0.1% Logarithmic Curve (19) (20) (32)		<b>CGY</b> Concrete Grey		<b>CGY</b> Concrete Grey
<b>DALI2</b> Professional DALI Dimming 0.1% Logarithmic Curve (19) (20) (32)		<b>MLG</b> Metalized Grey		<b>MLG</b> Metalized Grey
<b>DALI2</b> Professional DALI Dimming 0.1% Logarithmic Curve (19) (20) (32)		<b>IBR</b> Italian Brick Red		<b>IBR</b> Italian Brick Red
<b>DALI2</b> Professional DALI Dimming 0.1% Logarithmic Curve (19) (20) (32)		<b>PWH</b> Parget White		<b>PWH</b> Parget White
<b>DALI2</b> Professional DALI Dimming 0.1% Logarithmic Curve (19) (20) (32)		<b>CC</b> Custom Color & Finish (48)		<b>CC</b> Custom Color & Finish (48)
<b>ES</b> Lutron® Hi-lume 1% EcoSystem® LDE1/PEQ1 Soft-on/Fade-to-Black (3) (20) (35)				
<b>LT</b> Lumentalk Enabled Dimming (34) (37)				
<b>DMX/RDM</b> DMX/RDM Enabled Dimming 1% (37) (38) (39)				

Notes:

- 3. Not available for XN and VN optics.
- 17. Control options vary according to color temperature, color rendering and optics combination. Refer to website product configurator for details.
- 18. Manufacturer's choice driver. Order code may change to NO1.
- 19. Available up to 1300 lumens (CR80, RCR80, CR90, CR95 or RCR95) and 2000 lumens (CR80, RCR80 or CR90) for NS optic. Available up to 2000 lumens (CR80, RCR80, CR90, CR95 or RCR95) for N optic. Available up to 4000 lumens (CR80, RCR80 or CR90) for NFR, M, MFR, W and WFR optics, and up to 5000 lumens (CR90) for NFR, M, MFR, W and WFR optics.
- 20. Not available for DTW, DTWP, DWH, DWW or DWWP color options.
- 21. Manufacturer's choice driver. Order code may change to PH1 or PH2.
- 22. Available up to 1300 lumens (CR80, RCR80, CR90, CR95 or RCR95) and 2000 lumens (CR80, RCR80 or CR90) for NS and N optics. Available up to 3000 lumens (CR80, RCR80 or CR90) for NFR, M, MFR, W and WFR optics.
- 23. Available for 120V voltage option only.
- 24. Available up to 3000 lumens when combined with CR80 or CR90 color rendering option. Available up to 2000 lumens when combined with CR80, CR90 or CR95 color rendering options.
- 25. Manufacturer's choice driver. Order code is subject to change.
- 26. Manufacturer's choice driver. Order code may change to DAMC1 or DAMC2.
- 27. Not available for XN and VN optics.
- 28. Not available with 347V.
- 29. Driver cuts off power to the fixture when the control signal drops below 0.5V.
- 30. Not available for DWH, DWW or DWWP color options.
- 31. Available for DTW and DTWP color options only, when combined with 1000, 1300 or 2000 lumens.
- 32. Consult factory for other DALI control options for static color temperatures.
- 33. Available for DWH, DWW and DWWP color options only. DALI-2 Type 8 controller required.
- 34. Consult factory for DALI2 control option.
- 35. One EcoSystem® address per fixture. 1% minimum dimming value. Lutron® EcoSystem® Enabled dimming not available for 700 lumens, 1000 or 5000 lumens.
- 36. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
- 37. Available up to 1300 lumens (CR80, RCR80, CR90, CR95 or RCR95) and 2000 lumens (CR80, RCR80 or CR90) for NS optic. Available up to 2000 lumens (CR80, RCR80, CR90, CR95 or RCR95) for N, NFR, M, MFR, W and WFR optics.
- 38. A Control Box (CBX-DS or CBX-ST) and lumenID (LID) must be specified.
- 39. Configurable to 1, 2, or 3 channel control via RDM in the field.
- 40. 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.
- 41. 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.
- 42. Matte black interior surface, exterior finish matches housing color.
- 43. When combined with another accessory, the HL will be factory-installed in second position (furthest from the LED source).
- 44. Can be combined with HL accessory for 2200K, 2700K, 3000K, 3500K and 4000K color options only.

45. Nominal 10° x 40° distribution when used with the NS optic.

46. 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.

47. Nominal 10° x 60° distribution when used with the NS optic.

48. Longer lead times can be expected for custom RAL color finishes.