

LED CYLINDER

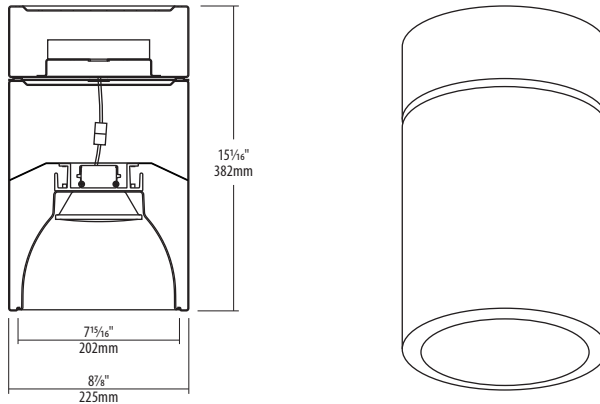
8" Cylinders, 1000-4000 Lumens, 13-46 Watt
LED Commercial Cylinders

Job Information	
Project Name	
Type	
Location	
Quantity	
Date	

Description

8" Surface and pendant cylinder light includes high efficiency LED with integral driver. The optical diffusion produces high lumen transmission and smooth, comfortable and even illumination. Designed for architectural interiors such as museums, lobbies and universities.

Technical Drawings



SPECIFICATION	
Aperture	8"
Approved Location	Indoor, Damp
Certification	cCSAus
CRI	85
Dimming	YES
Lumen per watt	Typical 85
Lumen Maintenance	70% @ 50,000 hrs
Power Factor	> 0.9
Power Supply Type	Constant Current
THD	< 20%



Ordering Guide

Mounting	Pendant Length ¹	Source Light Output ²	Color Temp.	Beam Spread	Housing Finish	Reflector Finish	Driver Options
CYL8							
C: Surface Mount	12: 12 inches	10: 1100 lm (13W)	27: 2700 K	N: Narrow	BK: Black	HC: Semi-Specular	Blank: Standard 120-277V Input (TRIAC/ELV) ⁵
P: Pendant ⁷	18: 18 inches	15: 1350 lm (16W)	30: 3000 K	W: Wide	WH: White	WH: White painted	0: Standard 120-277V Input (0-10V)
A: Aircraft Pendant ⁶	24: 24 inches	26: 1900 lm (22W)	35: 3500 K		CUS: Custom ³		3E: 347V Input, rated -40°C
	36: 36 inches	34: 2900 lm (34W)	40: 4000 K				30: 347V Input, rated -40°C, 0-10V dimming
	48: 48 inches	43: 3600 lm (46W)	65: 6500 K				B: Rated -40°C, 120-277V Input
	96: 96 inches	44: 4000 lm (46W)					B0: Rated -40°C, 120-277V Input, 0-10V dimming
	TE: 120 inches						L: Lutron EcoSystem, 120-277V Input
	TW: 144 inches						EM: Emergency Backup, 120-277V Input ⁴
	XL: 180 inches						E0: Emergency Backup, 120-277V Input, 0-10V ⁴
							Q: Casambi enabled driver, 120-277V Input
	Select from above	C2: 1000 lm (20W) C3: 1700 lm (30W)	CT: Araya5 Color Tunable	W: Wide	Select from above	Select from above	T1: Color Tuning Control, 120V Input
							T0: Dual 0-10V Control, 120V Input
							T2: Color Tuning Control, 277V Input
							TD: Dual 0-10V Control, 277V Input



Notes:
¹ For pendant mounts only. ² Delivered lumens provided are based on 3000 K with wide beam spread reflector. ³ Additional lead time required, contact factory for details. ⁴ Not available with Source Light Output options 43 and 44. ⁵ TRIAC/ELV dimming available only with 120V. ⁶ 347V cable in white only. ⁷ Pendant length only up to 48".
 For additional options please consult your A-Line representative. All trademarks are the property of their respective owners. Lutron and EcoSystem are trademarks of Lutron Electronics Co., Inc. Casambi is a trademark of Casambi Technologies.
 Due to our continued efforts to improve our products, product specifications are subject to change without notice.

Features

Housing

Round 0.06" (1.5mm) thick spun aluminum housing available in flat white or black finish with choice of reflector. Housings can be custom painted. Contact factory for pricing and availability and include RAL color value.

Mounting

Surface mount, rigid down rod, or aircraft cable options available. Clear jacket wire is used on aircraft cable option, white jacket with 347V

LED Optics

Integrated soft lens provides visual comfort.

Reflector

Constructed of spun aluminum, the

reflector provides precision distribution of light with low glare.

LED Characteristics

Fixed CCT high power CREE® LED chips maintain uniform intensity with a typical 85 CRI.

Color Tuning LED Characteristics

Color tuning available with Araya5 color tuning module. Full spectrum tuning, 90+ CRI, 1650-8000 K tunable range and DTW function available from 3000-1800 K. Full spectrum control through "Araya" mobile app available from the App Store (iOS only). Without app, tunable white and dimming control is available over two separate 0-10V signals.

Dimming

Multiple dimming options are available. 100-10% dimming with TRIAC/ELV and down to 1% with 0-10V compatible devices. Consult factory for compatible dimmers. Surface and rigid down rod mounting provide block connectors for 0-10V wiring. Aircraft cable includes 0-10V wiring.

Thermal Performance

Extruded aluminum heat sink ensures optimal heat dissipation and LED life.

LED Driver

Mounted in the top section of the cylinder, the LED driver features a power factor larger than 0.9, and THD of less than 20%. See LED Driver Options for more specific details.

Environment

For indoor use only. Suitable for use in damp locations.

Warranty

7-year warranty

LED Driver Options

Standard : TRIAC/ELV dimming for 120V only. Dimming to 1% over 0-10V.

(3E) 347V : 347V driver.

(30) 347V : Dimming to 1% over 10%.

(B) Rated -40 : Low temperature driver operation.

(B0) Rated -40 : Low temperature driver operation. Dimming to 1% over 0-10V.

(L) Lutron EcoSystem : Suitable for integration into a planned or existing EcoSystem® lighting control solution. Dimming down to 1% with compatible controls. 40W max.

(EM) Emergency Backup : Integrated emergency battery with switchable output of 5W for 180 minutes, or 10W for 90 minutes of operation during an outage. 40W max.

(EO) Emergency Backup : Integrated emergency battery with 0-10V dimming and switchable output of 5W for 180 minutes, or 10W for 90 minutes of operation during an outage. 40W max.

(Q) Casambi Enabled : Casambi wireless module included. Wireless dimming to 1% provided over 0-10V signal from module.

(CUST) Custom : Custom options may be available upon factory request.

(T1/T2) Colour Tuning Control : App controlled colour tuning. Dimming to 1% through app.

(T0/TD) Dual 0-10V Control : Required for separate 0-10V control of tunable white and dimming. Dimming to 1% over 0-10V.

Photometry

CCT Correction Factors :

Baseline lumens = 3000 K

Multiply 3000 K lumen values by:

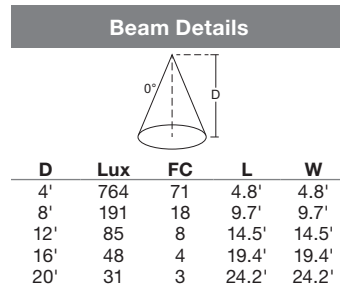
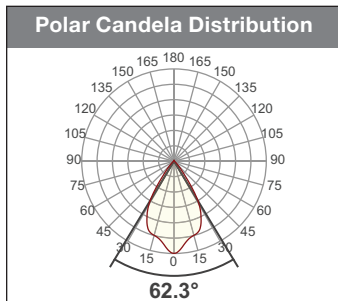
0.95 for 2700 K

1.10 for 3500 K

1.15 for 4000 K

1.20 for 6500 K

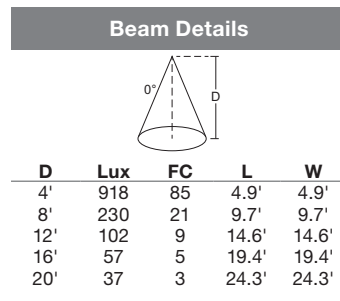
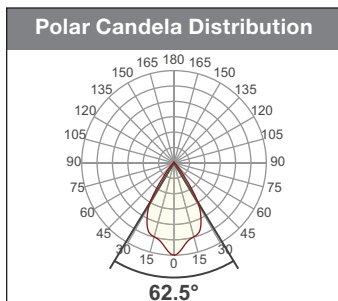
CYL8-1030W : 8" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 13W



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	727.6	66.1%
0-40	946.7	86%
0-60	1,032.1	93.8%
60-90	25.4	2.3%
70-100	17.9	1.6%
90-120	15.7	1.4%
0-90	1,057.6	96.1%
90-180	43.2	3.9%
0-180	1,100.7	100%

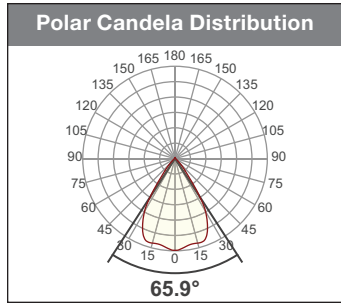
CYL8-1530W : 8" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 16W



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	871.6	66.6%
0-40	1,132.8	86.5%
0-60	1,233.6	94.2%
60-90	28.5	2.2%
70-100	19.4	1.5%
90-120	16.4	1.3%
0-90	1,262.1	96.4%
90-180	47.3	3.6%
0-180	1,309.4	100%

CYL8-2630W : 8" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 22W



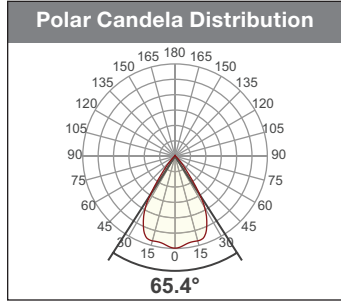
Beam Details

D	Lux	FC	L	W
4'	1106	103	5.2'	5.2'
8'	276	26	10.4'	10.4'
12'	123	11	15.5'	15.5'
16'	69	6	20.7'	20.7'
20'	44	4	25.9'	25.9'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,216.2	65.6%
0-40	1,603.1	86.5%
0-60	1,756.0	94.7%
60-90	37.6	2%
70-100	23.6	1.3%
90-120	19.2	1%
0-90	1,793.6	96.8%
90-180	60.1	3.2%
0-180	1,853.7	100%

CYL8-3430W : 8" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 34W



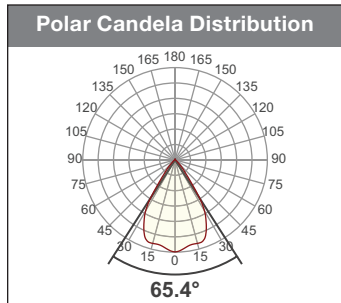
Beam Details

D	Lux	FC	L	W
4'	1684	156	5.1'	5.1'
8'	421	39	10.3'	10.3'
12'	187	17	15.4'	15.4'
16'	105	10	20.5'	20.5'
20'	67	6	25.7'	25.7'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,830.9	66.3%
0-40	2,408.8	87.3%
0-60	2,632.9	95.4%
60-90	49.2	1.8%
70-100	28.4	1%
90-120	22.8	0.8%
0-90	2,682.2	97.2%
90-180	77.4	2.8%
0-180	2,759.6	100%

CYL8-4330W : 8" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 46W



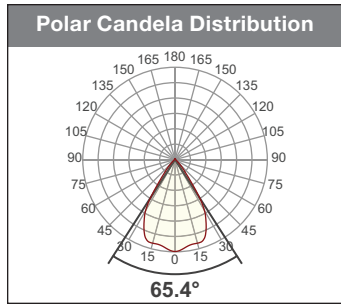
Beam Details

D	Lux	FC	L	W
4'	2221	206	5.1'	5.1'
8'	555	52	10.3'	10.3'
12'	247	23	15.4'	15.4'
16'	139	13	20.5'	20.5'
20'	89	8	25.7'	25.7'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,387.8	67.2%
0-40	3,114.8	87.7%
0-60	3,390.9	95.4%
60-90	63.0	1.8%
70-100	35.3	1%
90-120	27.8	0.8%
0-90	3,453.8	97.2%
90-180	99.1	2.8%
0-180	3,553.0	100%

CYL8-4430W : 8" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 46W



Beam Details

D	Lux	FC	L	W
4'	2468	229	5.1'	5.1'
8'	617	57	10.3'	10.3'
12'	274	25	15.4'	15.4'
16'	154	14	20.5'	20.5'
20'	99	9	25.7'	25.7'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,650.8	66.9%
0-40	3,467.9	87.5%
0-60	3,780.0	95.4%
60-90	70.9	1.8%
70-100	40.2	1%
90-120	31.3	0.8%
0-90	3,850.9	97.2%
90-180	111.8	2.8%
0-180	3,962.7	100%