

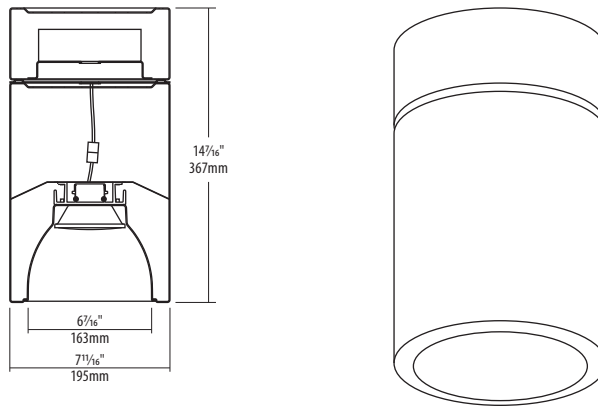
LED CYLINDER

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

Description

6" 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	6"
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
CYL6								
	C : Surface Mount P : Pendant ⁷ A : Aircraft Pendant ⁶	12 : 12 inches 18 : 18 inches 24 : 24 inches 36 : 36 inches 48 : 48 inches 96 : 96 inches TE : 120 inches TW : 144 inches XL : 180 inches	10 : 1100 lm (13W) 15 : 1350 lm (16W) 26 : 1900 lm (22W) 34 : 2900 lm (34W) 43 : 3600 lm (46W) 44 : 4000 lm (46W)	27 : 2700 K 30 : 3000 K 35 : 3500 K 40 : 4000 K 65 : 6500 K	N : Narrow W : Wide	BK : Black WH : White CUS : Custom ³	HC : Semi-Specular WH : White painted	Blank : Standard 120-277V Input (TRIAC/ELV) ⁵ 0 : Standard 120-277V Input (0-10V) 3E : 347V Input, rated -40°C 30 : 347V Input, rated -40°C, 0-10V dimming B : Rated -40°C, 120-277V Input B0 : Rated -40°C, 120-277V Input, 0-10V dimming L : Lutron EcoSystem, 120-277V Input EM : Emergency Backup, 120-277V Input ⁴ 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:

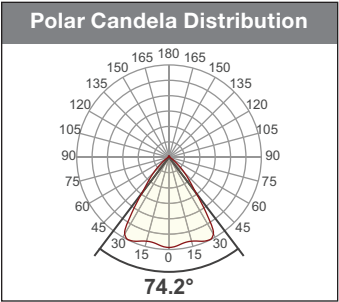
0.95 for 2700 K

1.10 for 3500 K

1.15 for 4000 K

1.20 for 6500 K

CYL6-1030W : 6" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 13W



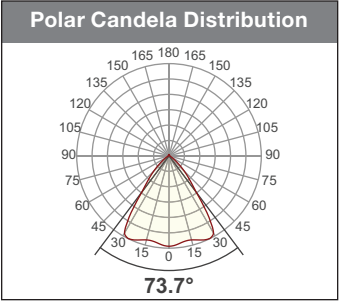
Beam Details

D	Lux	FC	L	W
4'	468	43	6'	6'
8'	117	11	12.1'	12.1'
12'	52	5	18.1'	18.1'
16'	29	3	24.2'	24.2'
20'	19	2	30.2'	30.2'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	580.6	51.9%
0-40	865.0	77.3%
0-60	1,045.7	93.5%
60-90	32.8	2.9%
70-100	19.0	1.7%
90-120	14.6	1.3%
0-90	1,078.5	96.4%
90-180	39.8	3.6%
0-180	1,118.3	100%

CYL6-1530W : 6" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 16W



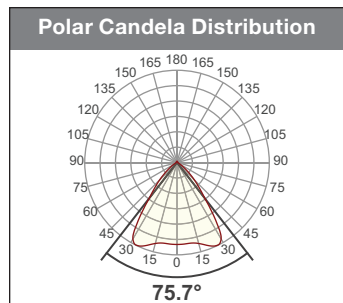
Beam Details

D	Lux	FC	L	W
4'	559	52	6'	6'
8'	140	13	12'	12'
12'	62	6	18'	18'
16'	35	3	24'	24'
20'	22	2	30'	30'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	693.6	52.1%
0-40	1,033.0	77.5%
0-60	1,248.5	93.7%
60-90	37.7	2.8%
70-100	21.3	1.6%
90-120	16.9	1.3%
0-90	1,286.2	96.5%
90-180	46.1	3.5%
0-180	1,332.3	100%

CYL6-2630W : 6" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 22W



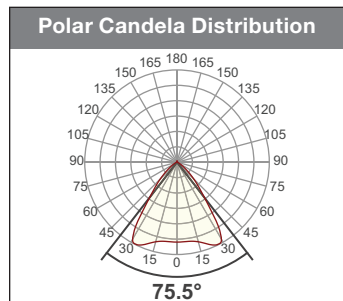
Beam Details

D	Lux	FC	L	W
4'	706	66	6.2'	6.2'
8'	176	16	12.4'	12.4'
12'	78	7	18.7'	18.7'
16'	44	4	24.9'	24.9'
20'	28	3	31.1'	31.1'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	942.9	49.7%
0-40	1,438.3	75.8%
0-60	1,779.4	93.8%
60-90	56.7	3%
70-100	28.9	1.5%
90-120	20.7	1.1%
0-90	1,836.1	96.8%
90-180	60.4	3.2%
0-180	1,896.6	100%

CYL6-3430W : 6" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 34W



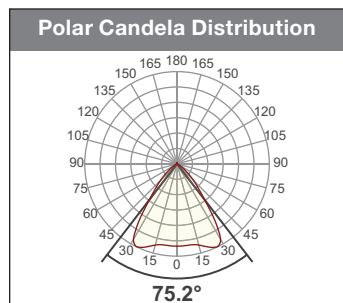
Beam Details

D	Lux	FC	L	W
4'	1047	97	6.2'	6.2'
8'	262	24	12.4'	12.4'
12'	116	11	18.6'	18.6'
16'	65	6	24.8'	24.8'
20'	42	4	31'	31'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,419.6	50.3%
0-40	2,162.8	76.6%
0-60	2,660.2	94.2%
60-90	80.0	2.8%
70-100	39.4	1.4%
90-120	27.2	1%
0-90	2,740.2	97%
90-180	84.0	3%
0-180	2,824.2	100%

CYL6-4330W : 6" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 46W



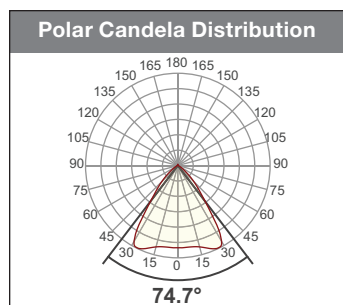
Beam Details

D	Lux	FC	L	W
4'	1393	129	6.2'	6.2'
8'	348	32	12.3'	12.3'
12'	155	14	18.5'	18.5'
16'	87	8	24.6'	24.6'
20'	56	5	30.8'	30.8'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,852.2	50.9%
0-40	2,796.6	76.9%
0-60	3,432.3	94.3%
60-90	101.3	2.8%
70-100	48.4	1.3%
90-120	32.8	0.9%
0-90	3,533.6	97.1%
90-180	104.6	2.9%
0-180	3,638.1	100%

CYL6-4430W : 6" LED CYLINDER, WIDE BEAM SPREAD, 3000 K, 46W



Beam Details

D	Lux	FC	L	W
4'	1559	145	6.1'	6.1'
8'	390	36	12.2'	12.2'
12'	173	16	18.3'	18.3'
16'	97	9	24.4'	24.4'
20'	62	6	30.5'	30.5'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,076.2	51.6%
0-40	3,115.2	77.5%
0-60	3,800.1	94.5%
60-90	107.3	2.7%
70-100	51.5	1.3%
90-120	34.7	0.9%
0-90	3,907.4	97.2%
90-180	112.7	2.8%
0-180	4,020.1	100%