

SERIES C82L/C86L

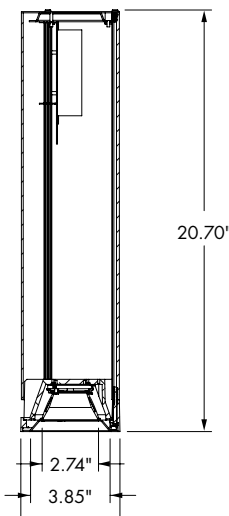
Decorative LED Cylinders
633-6183 Lumens



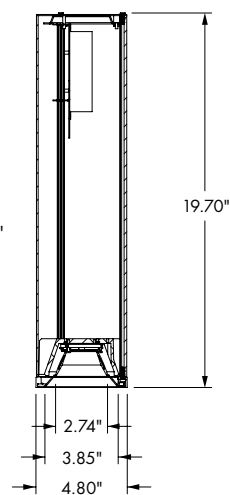
C82L
(633-6183 lumen)



C86L
(633-5263 lumen)



C82L
weight: 5.24



C86L
weight: 5.24

APPLICATION

A decorative cylinder lighting fixture is ideal for applications that require the long lamp life and energy saving benefits of LED technology.

FEATURES AND BENEFITS

- Architectural aluminum cylinder housing with powder coat finish.
- Model with exposed heat sink features enhanced cooling and higher lumen output
- Mounting options include: Pendant Stem, Surface, and Cord.
- Wall wash option available for wall grazing or forward-throw (Type 2) applications.
- Primary reflectors provide a variety of beam distributions and can be interchanged in the field if necessary.
- Emergency option (IEM) available using special ceiling canopy. Not available on wall mount or conduit canopy options.
- Custom colors available.
- Separate models available for our remote driver platforms of IRD and CentralDrive™ (see below).

TECHNICAL DATA

- Input: 120 to 277 VAC, 50-60Hz
- 0-10V 1% (linear) and forward/reverse phase (120V) dimming. Other options listed on page 3.
- CRI = 80. Available in 90 CRI.
- Available with Bridgelux Thrive™ high-fidelity human-centric lighting technology.
- Expected lamp life to be 50,000 hours with 70% lumen maintenance when ambient temperatures do not exceed 35°C. Lower ambient temperatures yield longer lamp life.

REMOTE DRIVER OPTIONS (PUBLISHED SEPARATELY)

IRD (In-ceiling Remote Driver) features a housing with driver that is recessed in the ceiling and operates a single lighting fixture. Benefits include small 0.25" thick ceiling canopies, emergency (EM) options, and longer driver life due to reduced exposure to the heat of the LED engine. Both new construction and remodel style housings are available. [Link to IRD Options](#)

CentralDrive™ system features a remote panel that operates multiple lighting fixtures. This remote panel can be installed in an easy-to-access area such as a utility closet. Benefits are the same as our IRD system as well as easy driver replacement. [Link to Central Drive Options](#)

Lighting fixtures for these remote driver systems are published separately and can be found on our website. Please contact our sales team for more information on these options.

[Link to Remote Driver Fixtures](#)



Intertek
Damp Location



HOW TO ORDER

Catalog #:

Example: C82LA1V1035ML5DASA

Fixture Series	Mounting	Driver	Delivered Lumens	Thrive™	Color Temp
C82L = Exposed Heat Sink C86L = Solid Body	A ¹ = Aviation Cable W = Wall Mount P = Pendant Mount S = Surface Mount Conduit Canopies CA ¹ = Aviation Cable CP ² = Pendant Stem CS = Surface	V = On Board Driver	10 = (633L - 1013L, 7.8W) 20 = (1146L - 2015L, 15.8W) 30 = (1671L - 2954L, 23.8W) 40 = (2171L - 3897L, 32.3W) 50 = (2894L - 5263L, 45.2W) 60 ³ = (3363L - 6183L, 53.8W) 9 = 90 CRI	T = Thrive High Fidelity Human Centric Technology 95 CRI. Use scaling factor of 0.54 to determine delivered lumens.	5 = 5000K 4 = 4000K 35 = 3500K 3 = 3000K 27 = 2700K

Beam Distribution	Lens	Dimming	Finish	Heat Sink Finish
N = 35° M = 50° W = 70° G1 = Wall Wash ⁴ G2 = Forward Throw (Type 2) ⁴	Blank = No Lens L5 = Frosted Glass Lens L7 = Solite Micro-Prismatic Glass Lens L9 = Clear Tempered Glass Lens (standard)	DA = Xitanium 1% 0-10V (linear) is standard. More options on next page.	MW = Matte White SA = Satin Aluminum MB = Matte Black BZ = Bronze COLORS (See Last Page)	Blank = Matte Black 1 = Matte White 2 = Satin Aluminum 3 = Bronze M = Match Cylinder Housing

Options
F = Fuse and Fuse Holder IEM = EM Battery Pack w/ Integral Test Special ceiling canopy required. Not available in wall mount or with conduit canopy options.

¹ Specify canopy and cord color using "A" followed by number, e.g. "A2"

1 = White canopy/ White cord 5 = Bronze canopy/ White cord 9 = White canopy/ Clear cord
2 = White canopy/ Black cord 6 = Bronze canopy/ Black cord 10 = Black canopy/ Clear cord
3 = Black canopy/ White cord 7 = Silver canopy/ White cord 11 = Silver canopy/ Clear cord
4 = Black canopy/ Black cord 8 = Silver canopy/ Black cord 12 = Bronze canopy/ Clear cord

² Specify canopy finish using "CP" followed by letter, e.g. "CPW": W = Matte White, B = Matte Black, A = Satin Aluminum, Z = Bronze. Stem length specified separately, see below "PKU".

³ Not available in C86L model

⁴ Wall wash option can be open or used with clear lens (L9). Consult delivered lumens table for reduced lumen output.

Stem Kit Specification:

Example: PRDR24SA

Pendant Stem	Stem Length	Finish
PRDR = Swivel Pendant Kit For "P" Mounting Style. Add .25" for canopy. PKU = Swivel Pendant Kit for Conduit Canopy, "CP" mounting style. Add 4" for canopy.	Stem Length in increments of 12 inches. Can be cut to length in field	SA = Satin Aluminum W = White B = Black Z = Bronze

See page 6 for more information on mounting styles.

Fixture:	Type:
Project:	

Manufactured and tested to UL#1598/8750 and CSA standards.
All Pathway® products meet or exceed requirements as established by the National Electrical Code. Specifications subject to change without notice.

DIMMING OPTIONS

Specify option by suffix (shown in bold-face type)

Our White Paper regarding Linear vs. Logarithmic Operating Characteristics is available in our 'Downloads' section of our website, or you may request one by emailing Sales@PathwayLighting.com

0-10V Dimming Options	Lutron Dimming Options	DALI Dimming Options	Tri-mode Dimming Options
<p>DA = Xitanium 1% 0-10V (linear) DB = Xitanium 1% 0-10V (logarithmic) DC = EldoLED 0-10V 0% (logarithmic) DD = EldoLED 0-10V 1% (logarithmic) DE = EldoLED 0-10V 0% (linear) DF = EldoLED 0-10V 1% (linear) DS = 0-10V 1% (linear) 347V only</p>	<p>Contact Sales Department</p>	<p>DK = EldoLED DALI 0% (logarithmic) DL = EldoLED DALI 1% (logarithmic)</p>	<p>Maximum Lumen Designation of 50 for C86L, 60 for C82L DQ = 2-wire forward/reverse phase (120V) and 0-10V (1% linear)</p>
DMX^ Dimming Options (interfaced through 0-10V driver)	DMX Dimming Options RDM Compliant		
<p>XA = DMX Xitanium 1% (linear)^ XB = DMX Xitanium 1% (logarithmic)^ XC = DMX EldoLED 0% (logarithmic)^ XD = DMX EldoLED 1% (logarithmic)^ XE = DMX EldoLED 0% (linear)^ XF = DMX EldoLED 1% (linear)^</p>	<p>Maximum Lumen Designation of 40 XG = EldoLED 0% (logarithmic) XH = EldoLED 0% (linear)</p>		

^ These options are not compatible with emergency battery options. Not compatible with surface conduit canopies.

DELIVERED LUMENS DATA

Data based on C82L fixture with 3500K Color Temperature

FIXTURE	WATTAGE	RATED LUMENS	DELIVERED LUMENS	BEAM DISTRIBUTION	LPW
C82LSV1035N	7.8	1000	986	35°	126
C82LSV1035M	7.8	1000	990	50°	127
C82LSV1035W	7.8	1000	1013	70°	130
C82LSV1035G	7.8	1000	633	100°	81
C82LSV2035N	15.8	2000	1962	35°	124
C82LSV2035M	15.8	2000	1969	50°	125
C82LSV2035W	15.8	2000	2015	70°	128
C82LSV2035G	15.8	2000	1146	100°	73
C82LSV3035N	23.8	3000	2876	35°	121
C82LSV3035M	23.8	3000	2886	50°	121
C82LSV3035W	23.8	3000	2954	70°	124
C82LSV3035G	23.8	3000	1671	100°	70
C82LSV4035N	32.3	4000	3795	35°	117
C82LSV4035M	32.3	4000	3807	50°	118
C82LSV4035W	32.3	4000	3897	70°	121
C82LSV4035G	32.3	4000	2171	100°	67
C82LSV5035N	45.2	5000	5125	35°	113
C82LSV5035M	45.2	5000	5142	50°	114
C82LSV5035W	45.2	5000	5263	70°	116
C82LSV5035G	45.2	5000	2894	100°	64
C82LSV6035N	53.8	6000	6020	35°	112
C82LSV6035M	53.8	6000	6041	50°	112
C82LSV6035W	53.8	6000	6183	70°	115
C82LSV6035G	53.8	6000	3363	100°	63

Above values reflect 3500K color temperatures

Scaling factors for other color temperatures: 2700K=0.92; 3000K=0.97; 4000K=1.01; 5000K=1.04

Scaling Factor for 90 CRI=0.83

Scaling Factor for Thrive = 0.54

DELIVERED LUMENS DATA

Data based on C86L fixture with 3500K Color Temperature

FIXTURE	WATTAGE	RATED LUMENS	DELIVERED LUMENS	BEAM DISTRIBUTION	LPW
C86LSV1035N	7.8	1000	986	35°	126
C86LSV1035M	7.8	1000	990	50°	127
C86LSV1035W	7.8	1000	1013	70°	130
C86LSV1035G	7.8	1000	633	100°	81
C86LSV2035N	15.8	2000	1962	35°	124
C86LSV2035M	15.8	2000	1969	50°	125
C86LSV2035W	15.8	2000	2015	70°	128
C86LSV2035G	15.8	2000	1146	100°	73
C86LSV3035N	23.8	3000	2876	35°	121
C86LSV3035M	23.8	3000	2886	50°	121
C86LSV3035W	23.8	3000	2954	70°	124
C86LSV3035G	23.8	3000	1671	100°	70
C86LSV4035N	32.3	4000	3795	35°	117
C86LSV4035M	32.3	4000	3807	50°	118
C86LSV4035W	32.3	4000	3897	70°	121
C86LSV4035G	32.3	4000	2171	100°	67
C86LSV5035N	45.2	5000	5125	35°	113
C86LSV5035M	45.2	5000	5142	50°	114
C86LSV5035W	45.2	5000	5263	70°	116
C86LSV5035G	45.2	5000	2894	100°	64

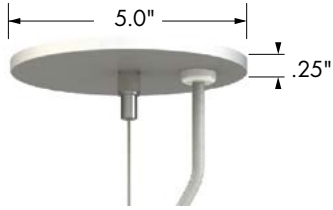


Above values reflect 3500K color temperatures

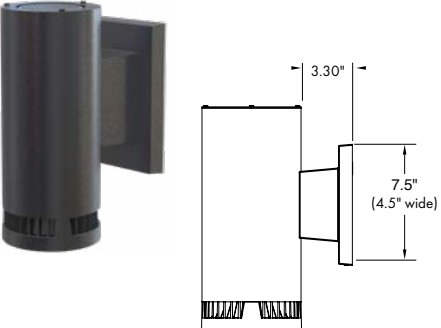

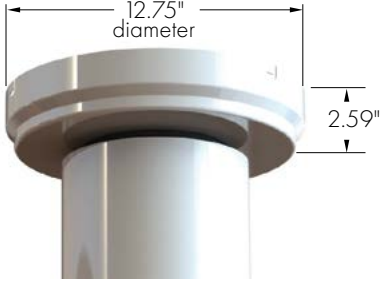
Scaling factors for other color temperatures: 2700K=0.92; 3000K=0.97; 4000K=1.01; 5000K=1.04

Scaling Factor for 90 CRI=0.83




Scaling Factor for Thrive = 0.54

MOUNTING CONFIGURATIONS

Aviation Cable (A)	Pendant Mount (P)	Surface (S)
 <p>Supplied with 10' field adjustable aviation cable and straight cord. Contact Sales Department for custom lengths.</p>	 <p>Swivel mount pendant stem product allows cylinder to hang plumb up to 45° sloped ceiling. All stems are 3/8" IPS and specified in increments of 12 inches. They can be easily cut to specific length in field. Standard finish white powder coat.</p>	 <p>Provided with mounting holes for securement to 4" octagon junction box. Canopy adds .25" to overall height</p>

Wall Mount (W)	Universal Ceiling Canopy	Emergency Ceiling Canopy
 <p>Standard bracket protrudes 3.21" from wall and measures 7.5" tall by 4.5" wide. Mounts to 4" octagon junction box.</p>	 <p>For DMX option. Available for surface, pendant stem and straight cord mounting styles.</p>	 <p>Available for surface, pendant stem and straight cord mounting styles and emergency options (IEM). Not available on wall mount models.</p>

Conduit Canopy Options (6.31" OD x 4" H)
All conduit covers require a 1.5" deep surface junction box

Aviation Cable (CA)	Pendant Mount (CP)	Surface (CS)
	 <p>Stem kit specified separately, e.g. PKU __ See Page 2 for how to order. Same Description as "P" mounting. See Above.</p>	

COLOR CHART

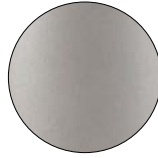
Standard Finishes (Powder Coat)



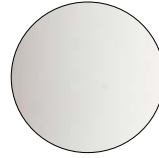
Matte Black (MB)



Bronze (BZ)



Satin Aluminum (SA)



Matte White (MW)

Special Finishes Available. Contact our sales department.

