

CYLINDER

Wall mounted • Damp location listed



Specifications:

Description:

The P5642 Series are ideal for a wide variety of interior and exterior applications including residential and commercial. The Cylinders feature a 120V alternating current source and eliminates the need for a traditional LED driver. This modular approach results in an encapsulated luminaire that unites performance, cost and safety benefits. Specify P8798-31 top cover lens for use in wet locations.

Construction:

Black (-31) (powdercoat)
 Die cast and extruded aluminum construction
 metal shade
 Flicker-free dimming to 10% brightness with most ELV type dimmers
 (See Dimming Notes)
 Back plate covers a standard 4" hexagonal recessed outlet box
 Mounting strap for outlet box included
 6" of wire supplied
 Wet location listed when used with P8798 lens cover (sold separately)

Performance:

Number of Modules	2
Input Power	29W
Input Voltage	120V
Input Frequency	60Hz
Lumens/LPW (Down)	1262/44 (LM-79) per module
Lumens/LPW (Up)	1300/44 (LM-79) per module
CCT	3000K
CRI	90
Life	60,000 (L70/TM-21)
EMI/RFI	FCC Title 47, Part 15, Class B
Min. Start Temp	-30° C
Max. Operating Temp	30° C
Warranty	5 year warranty
Labels	cCSAus Damp location listed

P5642-31/30K

Images:



Dimensions:

Width: 6"
 Height: 18"
 Depth: 8-7/8"
 H/CTR: 8"

Catalog number:

Base	Finish	Color Temp	CRI
P5642	31 - Black	30K - 3000K	Blank- 90 CRI

CYLINDER

Wall mounted • Damp location listed



P5642-31/30K

Dimming Notes:

P5642 is designed to be compatible with many Electronic Low Voltage (ELV-Reverse Phase) controls.

The following is a partial list of known compatible dimmer controls:

Electronic Low Voltage ELV Reverse Phase Controls

Lutron	Diva Series	(Part Number DVELV-300P)
Lutron	Nova T Series	(Part Number NTELV-300)
Lutron	Vierti Series	(Part Number VTELV-600)
Lutron		(Part Number MAELV-600)
Lutron		(Part Number SPELV-600)
Leviton		(Part Number AWRMG-EAW)
Leviton		(Part Number 6615-P)

Digital type dimmers are not recommended.

Dimming capabilities will vary depending on the dimmer control, load, and circuit installation.
Always refer to dimmer manufacturer instructions or a controls specialist for specific requirements.

Dimmer control brand names where identified above are trade names or registered trademarks of each respective company.

CYLINDER

wall mounted • Damp location listed

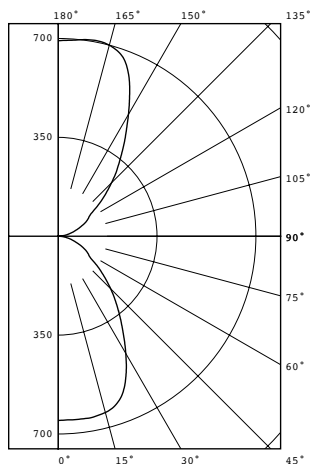


Photometrics:

P5642-31/30K

ELECTRICAL DATA	P5642-31/30K
Input Voltage	120V
Input Frequency	60Hz
Input Current	0.11A
Input Power	29W
Power Factor	>0.90
THD	<20%
EMI Filtering	FCC Title 47, Part 15, Class B
Operating Temperature	-30° C to 30° C
Dimming	Yes*
Over-voltage, over-current, short-circuit protected	
*See Dimming Notes for more information	

P5642-31/30K
LED Light Engine: 3000K 90 CRI
System Wattage: 58.0
Fixture delivered lumens: 2613
Fixture Efficacy: 44.2
Spacing Criteria: 1.1



CANDELA DISTRIBUTION	
DEG	CANDELA
0	652
5	652
15	646
25	564
35	396
45	263
55	149
65	100
75	52
85	16
90	1
95	14
105	52
115	99
125	147
135	267
145	410
155	598
165	700
175	697
180	692

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%LUMINAIRE
0-30	501	19.5%
0-40	750	29.2%
0-60	1091	42.5%
0-90	1262	49.2%
90-120	168	6.5%
90-130	306	11.9%
90-150	769	30.0%
90-180	1304	50.8%
0-180	2566	100.0%

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance															
	80%				70%				50%				30%			
	20% Effective Floor Cavity Reflectance															
	% Wall Reflectance															
	70	50	30	10	70	50	30	10	50	30	10	50				
1	98	94	91	87	90	81	74	69	61	58	50	49				
3	83	74	67	61	76	58	58	50	49	43	40	33				
5	70	59	51	46	65	43	47	38	40	33	27	22				
7	60	49	41	36	56	34	39	30	34	27	22	18				
9	52	41	33	29	48	27	33	24	29	22	18	15				

Test No. 16.00020

Tested at 25°C Ambient in accordance to IESNA LM-79-2008

P5642-31/30K

Test No. 16.00020