

# CYLINDER

Wall mounted • Damp location listed



## Specifications:

### P5642-31/30K

#### 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

#### Images:



#### Dimensions:

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

#### Catalog number:

Base

**P5642**

Finish

**31 - Black**

Color Temp

**30K - 3000K**

CRI

**Blank- 90 CRI**

## P5642-31/30K

### Dimming Notes:

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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.

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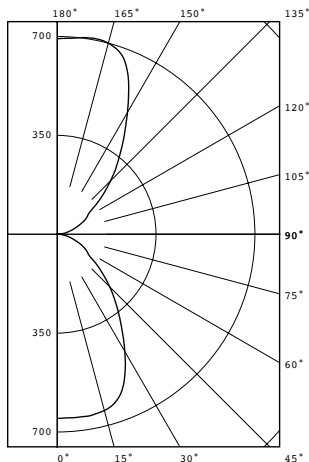
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## P5642-31/30K

### Photometrics:

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

Test No. 16.00020

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