

P8223 Series

6" Pro-Optic® LED
 New Construction Wall Wash Downlight



SPECIFICATIONS:

General

- 6" commercial grade LED downlight utilizing remote phosphor technology to obtain color consistency, energy savings, and low maintenance costs
- 50,000 hours minimum life up to 35°C (95° F) in open plenum applications

Housing

- One-piece 22 gauge non-corrosive steel platform
- Pre-wired J-box with snap-on cover for easy access
- Snap-in connection from driver compartment allows easy installation of light engine/trim assembly without tools above or below the ceiling and can be upgraded to accommodate technology improvements
- Approved for 8 (4 in/4 out) No. 12 AWG conductors rated for 90°C through wiring

Reflector

- High purity aluminum Alzak, iridescence suppressed, semi-diffuse reflector
- Self-flanged trim standard
- White painted self-flanged trim (-28) option available

LED Light Engine

- The P8223 uses the Philips Fortimo DLM Gen 4 LED Module with remote phosphor technology. This technology provides controlled color consistency from fixture to fixture
- The system is designed for optimal life and lumen maintenance (>50,000 hours at 70% lumen maintenance)
- Both reflector and light engine assembly are mechanically retained to housing. The light engine comes standard with 80 CRI for all CCT's

LED Driver

- Driver is designed to match the 50,000 hour minimum life expectancy of the system
- Meets UL Class 2, inherent short circuit protection, self limited, overload protected
- Integrated thermal feedback loop will gradually reduce current to protect system life
- Universal driver 120V-277V

Dimming

- Flicker-free 0 – 10V dimming to 10%

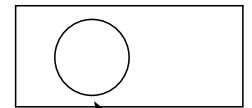
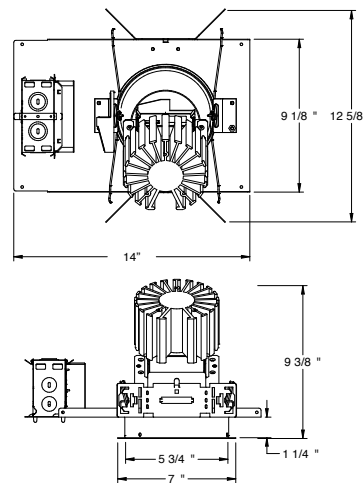
Labeling

- cCSAus certified to US and Canadian standards
- Suitable for wet locations
- 5 year warranty

Images:



Ceiling Cutout: See Guide



Dimensions shown are for the diameter of the frame flange at it's narrowest point.

- Notes:
 To order proper housing:
 1. Measure existing plaster frame aperture
 2. Use Compatibility Guide for selecting hsg

Maximum Ceiling Thickness: 1-1/2"

CATALOG NUMBER: _____

SAMPLE: P8223-EB120VG4

Housing	Description	Voltage	Version
P8223- EB	6" LED NEW CONSTRUCTION WALL WASH	120V- 120 VOLT 277V- 277 VOLT	G4- 4TH GENERATION

SAMPLE: P8123-28/40KG4

Base	ReflectorFinish	Color Temp	Version
P8123 -3000 Lumens	21A - Clear Alzak 22A - Gold ALzak 28 - White	30K - 3000K 35K - 3500K 40K - 4000K	G4- 4TH GENERATION

Performance:

Input Voltage	120/277V
Input Frequency	50/60Hz
Input Current	0.325A (120v) 0.141A (277v)
Input Power	39W
Constant Current Output	.3-1.0A
Power Factor	≥0.90
THD	<20%
EMI Filtering	FCC 47CFR PART 15, CLASS A
Operating Temperature	-20° C to 35° C
Dimming	0-10V

Over-voltage, over-current, short-circuit protected

Power consumption and photometric output may vary with HDM or 2DM driver option

Dimming Notes:

Dimming 0-10V 100% to 10%

Pro-Optic LED driver is compatible with 0-10V type dimming controls. Recommended dimming controls are listed below.

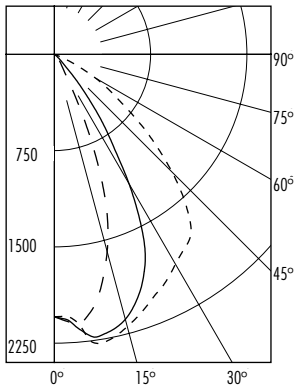
Control Manufacturer	Wallbox Dimmer	Power Booster Available
Douglas Lighting controls	WPC 5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V) Tap Glide Heatsink TGH1500FAM120 (120V) Oasis OA2000FAMU (120/277V)	
Honeywell, Inc.	EL 7315A1019 and EL7315A1009	EL7305A1010
HUNT Dimming	Preset Slide: PS-010-IV-120V and PS-010-WH-120V Preset Slide: PS-010-3W-IV-120V and PS-010-3W-WH-120V Preset Slide: PS-010-IV-277V and PS-010-WH-277V Preset Slide: PS-010-3W-IV-277V and PS-010-3W-WH-277V Preset Slide, controls FD-010: PS-IFC-010-IV- and PS-IFC-010-WH-120/277V Preset Slide, controls FD-010: PS-IFC-010-3W-IV- and PS-IFC-010-3W-WH-120/277V Remoted mounted unit: FD-010-120V and FD-010-277V	
Lehigh Electric Products Co.	Solitaire	PBX
Leviton Lighting Controls Div.	Leviton Centura Fluorescent Control System IllumaTech™ IP7 Series	CN100 PE300
Lutron Electronics Co., Inc.	Visit www.lutron.com/advance for the latest control information and selection	
PDM Electrical products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALI net router
The Watt Stopper, Inc.	LS4 used with LCD-101 and LCD-103	

Photometrics:

P8123-28/30KG4

P8223-EB120VG4 with P8123-28/30KG4

LED Light Engine: 3000K, 80 CRI
 System Wattage: 38.5W
 Fixture Delivered Lumens: 2442
 Fixture Efficacy: 63.4



CANDELA DISTRIBUTION

DEG	0	90	180
0	2044	2044	2044
5	2099	2143	2106
15	2196	2137	1591
25	1995	1670	516
35	1805	669	89
45	1298	83	35
55	603	13	2
65	148	1	0
75	0	0	0
85	0	0	0
90	0	0	0

Test No. 8836

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

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	0 DEG	90 DEG	180 DEG
45°	109532	7004	2953
55°	62730	1352	208
65°	20896	141	0
75°	0	0	0
85°	0	0	0

				MULTIPLE UNITS	
1'	2'	3'	4'	UNITS ON 3' CENTER	UNITS ON 4' CENTER

2.5' DISTANCE FIXTURE MOUNTED OUT FROM WALLS FOOTCANDLE DISTRIBUTION ON WALL SURFACE (Direct Only)

DISTANCE FROM CEILING IN FEET	1'				2'			3'			4'		
	7	2	0	0	7	1	7	7	0	7	0	7	
1	64	42	9	1	66	48	66	64	19	64			
2	69	54	26	6	80	80	80	70	52	70			
3	44	40	27	12	69	71	69	50	54	50			
4	28	26	22	13	56	55	56	40	44	40			
5	19	18	15	12	44	43	44	33	33	33			
6	13	12	11	9	35	34	35	26	26	26			
7	9	9	8	7	28	28	28	21	21	21			
8	7	7	6	6	23	23	23	17	17	17			
9													

P8223-EB120VG4 P8123-28/30KG4

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