

DESCRIPTION

Recessed 8 inch aperture open wall wash for vertical 100W maximum A19, PAR20, PAR30L, PAR38 or BR40 lamp. Fixture is suitable for commercial construction. Insulation must be kept 3" from top and sides of housing. Specify housing and trim separately to complete luminaire.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

MECHANICAL

Frame

Boat shaped galvanized steel frame with 1/2" plaster lip accommodates ceilings up to 2" thick. May be used for new construction or remodeling installations. Provided with (2) remodel clips to secure frame when installed from below the ceiling.

Mounting Brackets

Bar hanger receivers adjusts 2" vertically from above the ceiling or thru the aperture. Use with No Fuss™ bar hangers or with 1/2" EMT. Removable to facilitate installation from below the ceiling.

No Fuss™ Bar Hangers

Pre-installed and centered bar hanger locks to tee grid with a screwdriver or pliers. Centering marks on the bar hanger mechanism allows consistent positioning of fixtures.

OPTICAL

Reflector

Highly efficient one piece aluminum reflector combined with spun aluminum gradient kicker reflector provides for vertical illumination with a downlight component. Equal cutoff on room side and uniform illumination of the wall plane for a visually comfortable optic. Self flanged standard.

- **Specular Reflectors** - Polished flange standard with white painted flange option.
- **Baffles and White Reflector** - White painted flange standard.

Trim Retention

Reflector assembly is retained with two torsion springs and held tightly to the finished ceiling surface. Orientation markings on housing and trim facilitate proper alignment.

ELECTRICAL

Junction Box

(6) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Listed for (12) #12 AWG (six in, six out) 90°C conductors and feed thru branch wiring.

Lamp Socket

E26 medium base porcelain socket with nickel plated brass screw shell.

Socket Cap

One piece metal cap attached securely to reflector with turn and lock mechanism.

Insulation Detector

Self heating insulation detector opens circuit if insulation is improperly installed.

Code Compliance

- Thermally protected and cULus listed for damp locations.
- IP20 rated for open trims.



**PD8V120
80VWW**

**Incandescent
Tungsten-Halogen (IR)**

**100W Max A19,
PAR20, PAR30L,
PAR38, BR40**

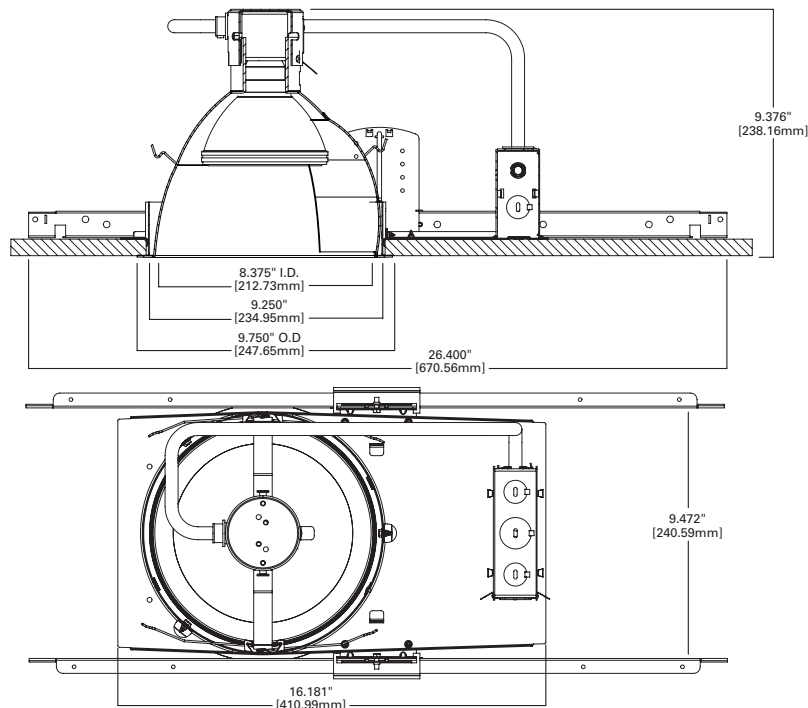
**LEDi Integrated
(Self-ballasted)**

**16W Max PAR38LED
11W Max PAR30LED
7W Max PAR20LED
7W Max A19LED**

**8-Inch Aperture
Open Wall Wash**

**New Construction or
Remodel
Non-IC**

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: PD8V120 80VWWC

Order housing, reflector and lamp separately for a complete luminaire.

Housing
PD8V120 = 8 Inch vertical, E26, 120V
PD8CPV120 = 8 Inch vertical, E26, 120V
CCEA listed (Chicago Plenum)

Reflector
80VWW = 8" vertical open wall wash

Finish Option
C=Specular Clear
G=Specular Gold
H=Semi Specular Clear
W=White (White Flange)

Flange Option
Blank=Polished Flange
(C, G, H)
Blank=White flange
(W)
WF=White Flange
(C, G, H)

Accessories
HB128APK = L channel hanger bar, 26", 'No-Fuss', pair (replacement)
RMB22 = 22" long wood joist mounting bars
H277 = 277V step down transformer, 300VA
H347 = 347V step down transformer, 75VA
H347200 = 347V step down transformer, 200VA

PHOTOMETRY

PD8V120-80VWWC_150A21INC

Spacing Criteria = 1.08
Lumens per Watt = 12 LpW
Test No. P21684_R2
Test Model: PD8V120-80VWWC_150A21INC

Candlepower Distribution Curve

Candela Distribution	
Degrees Vertical	Candela
0*	994
5	934
15	824
25	755
35	636
45	477
55	280
65	134
75	23
85	3
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	15604
55	10601
65	6245
75	1451
85	308

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0-30	770.54	27.70	36.90
0-40	1406.95	50.60	67.30
0-60	2029.77	73.00	97.10
0-90	2090.83	75.20	100.00

Single Unit Footcandles

2.5' from wall
(distance from fixture along wall)

1	10.5	6.1	2	0.5	0.1	0	0
2	25.4	19.4	10.3	3.9	1	0.2	0.1
3	24.2	20.3	13.1	6.5	2.7	0.8	0.2
4	15.9	14.1	11.7	7.9	3.9	1.6	0.6
5	10.6	9.5	8.5	6.9	4.8	2.5	1
6	7	6.6	6	5.2	4.3	3	1.7
7	4.8	4.6	4.4	3.9	3.5	2.9	2
8	3.4	3.3	3.2	3	2.7	2.4	1.9
9	2.5	2.4	2.4	2.3	2.1	2	1.7
10	1.9	1.9	1.8	1.7	1.7	1.6	1.5

Multiple Unit Footcandles

2.5' from wall
(spacing between fixtures)

3

1	11	7.3	11
2	29.3	29.2	29.3
3	30.7	33.9	30.7
4	23.8	26	23.8
5	17.4	18	17.4
6	12.3	12.7	12.3
7	8.7	9.1	8.7
8	6.4	6.5	6.4
9	4.8	4.8	4.8
10	3.6	3.7	3.6

Multiple Unit Footcandles

2.5' from wall
(spacing between fixtures)

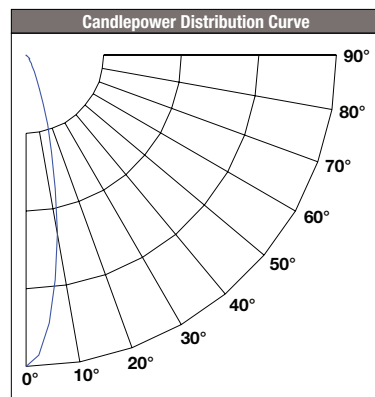
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1	10.6	3.9	10.6
2	26.4	20.7	26.4
3	26.9	26.3	26.9
4	19.8	23.4	19.8
5	15.3	16.9	15.3
6	11.4	12.1	11.4
7	8.3	8.7	8.3
8	6.1	6.4	6.1
9	4.6	4.7	4.6
10	3.6	3.6	3.6

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

PHOTOMETRY (continued)

PD8V120-80VWWC_16PAR38LED
Spacing Criteria = 0.40
Lumens per Watt = 46 LpW
Test No. P21678
Test Model: PD8V120-80VWWC_16PAR38LED



Candela Distribution	
Degrees Vertical	Candela
0*	2858
5	2471
15	922
25	236
35	68
45	46
55	13
65	5
75	2
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	1590
55	519
65	245
75	132
85	0

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0-30	584.84	N.A.	85.10
0-40	630.40	N.A.	91.70
0-60	679.74	N.A.	98.90
0-90	687.36	N.A.	100.00

Single Unit Footcandles							
2.5' from wall (distance from fixture along wall)							
	0.7	0.5	0.2	0.1	0	0	0
1	0.7	0.5	0.2	0.1	0	0	0
2	2.3	1.3	0.3	0.1	0.1	0.1	0
3	2.1	1.8	1.3	0.5	0.1	0	0
4	2.2	1.7	1	0.7	0.4	0.1	0
5	2.8	2.1	1	0.5	0.4	0.3	0.1
6	3	2.4	1.2	0.6	0.3	0.2	0.2
7	3.1	2.5	1.4	0.7	0.3	0.2	0.1
8	2.9	2.4	1.5	0.7	0.4	0.2	0.1
9	2.7	2.3	1.5	0.8	0.4	0.2	0.1
10	2.4	2.1	1.4	0.8	0.4	0.2	0.1

Multiple Unit Footcandles			
2.5' from wall (spacing between fixtures)			
	0.8	0.7	0.8
1	0.8	0.7	0.8
2	2.4	1.3	2.4
3	2.6	3.2	2.6
4	2.9	2.6	2.9
5	3.3	3	3.3
6	3.6	3.5	3.6
7	3.7	3.8	3.7
8	3.6	3.8	3.6
9	3.5	3.7	3.5
10	3.2	3.5	3.2

Multiple Unit Footcandles			
2.5' from wall (spacing between fixtures)			
	0.8	0.4	0.8
1	0.8	0.4	0.8
2	2.4	0.6	2.4
3	2.2	2.7	2.2
4	2.7	1.9	2.7
5	3.1	2.1	3.1
6	3.3	2.5	3.3
7	3.4	2.8	3.4
8	3.2	2.9	3.2
9	3.1	2.9	3.1
10	2.8	2.8	2.8

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

Note: Specifications and Dimensions subject to change without notice.

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