

DESCRIPTION

Recessed 6 inch aperture open downlight 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 adjust 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 provides for equal lamp and lamp image cutoff 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 is retained with two torsion springs and held tightly to the finished ceiling surface.

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.



**PD6V120
60V**

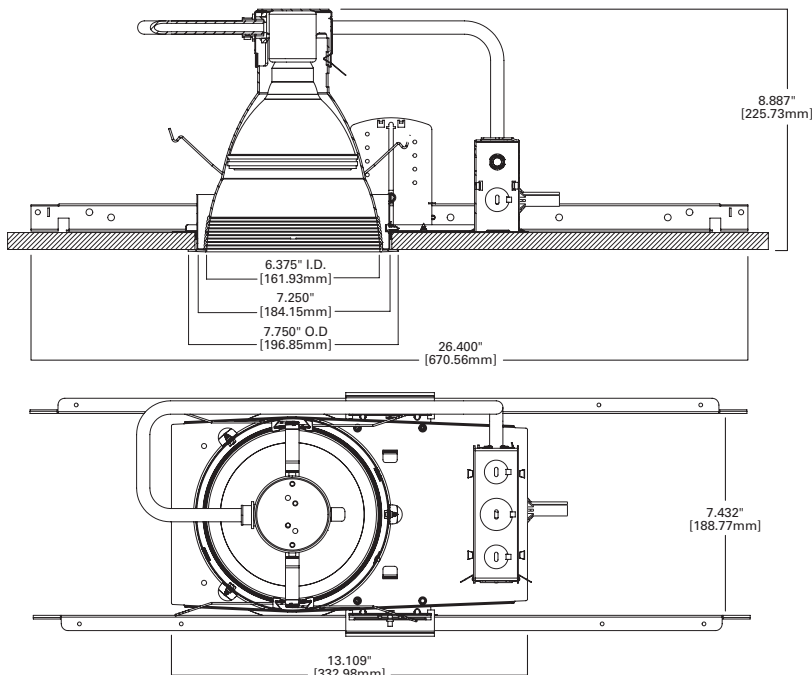
**Incandescent
Tungsten-Halogen (IR)**
**100W Max A19,
PAR20, PAR30L,
PAR38, BR40**

**LEDi Integrated
(Self-ballasted)**
**16W Max PAR38LED
11W Max PAR30LED
7W Max PAR20LED
7W Max A19LED**

**6-Inch Aperture
Open Downlight**

**New Construction or
Remodel
Non-IC**

DIMENSIONS



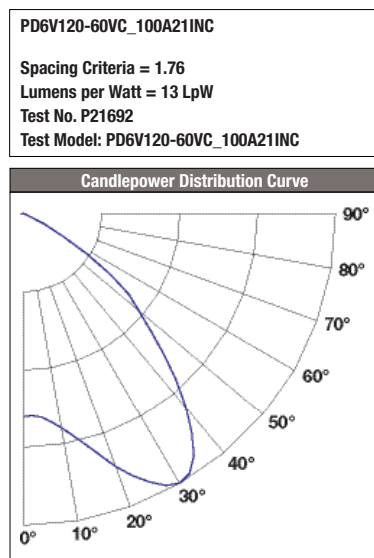
ORDERING INFORMATION

SAMPLE NUMBER: PD6V120 60VC

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

Housing PD6V120 = 6 Inch vertical, E26, 120V				
Reflector 60V = 6" vertical	Finish Option C =Specular Clear G =Specular Gold H =Semi Specular Clear W =White (White Flange) BB =Black Baffle (White Flange) WB =White Baffle (White Flange)	Flange Option Blank =Polished Flange (C, G, H) Blank =White flange (W, BB, WB) 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



Candela Distribution	
Degrees Vertical	Candela
0*	563
5	568
15	663
25	821
35	821
45	550
55	296
65	17
75	3
85	1
90	0

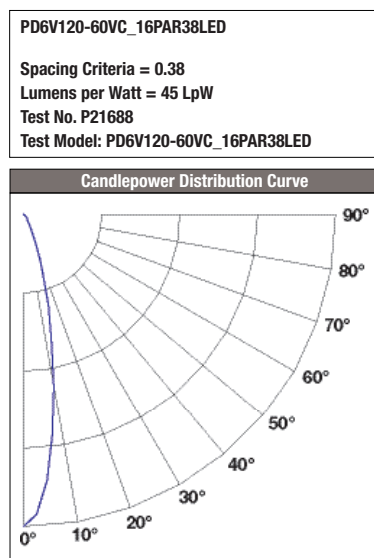
*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	31548
55	19307
65	1332
75	306
85	153

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	21	9.3	9.3
7'	13	11.8	11.8
8'	10	13.5	13.5
9'	8	15.2	15.2
10'	6	16.9	16.9
12'	4	20.3	20.3
14'	3	23.7	23.7

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.

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0-30	626.68	22.50	33.80
0-40	1130.82	40.70	61.10
0-60	1809.63	65.10	97.70
0-90	1851.45	66.60	100.00



Candela Distribution	
Degrees Vertical	Candela
0*	2980
5	2550
15	911
25	231
35	69
45	48
55	12
65	0
75	0
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	2753
55	783
65	0
75	0
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	21	9.3	9.3
7'	13	11.8	11.8
8'	10	13.5	13.5
9'	8	15.2	15.2
10'	6	16.9	16.9
12'	4	20.3	20.3
14'	3	23.7	23.7

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.

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0-30	585.65	N.A.	85.80
0-40	631.67	N.A.	92.50
0-60	682.50	N.A.	99.90
0-90	682.87	N.A.	100.00

Note: Specifications and Dimensions subject to change without notice.

Visit our web site at www.cooperlighting.com