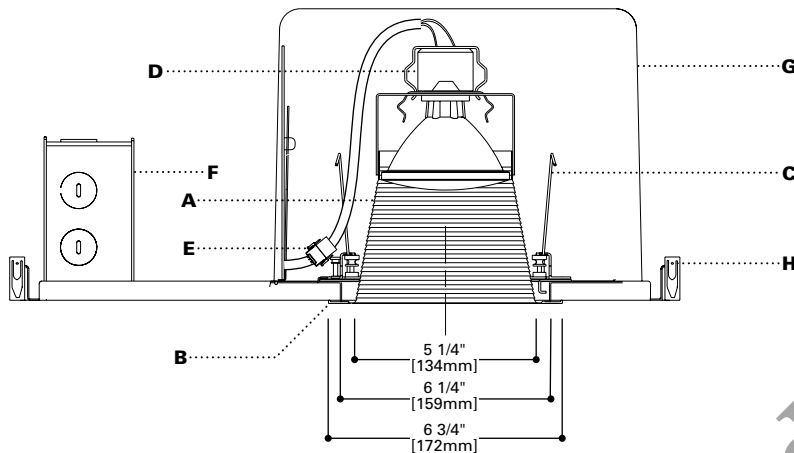


DESCRIPTION

Specification grade PAR30 fixture for use with narrow joist spacing. Insulation must be kept 3" from fixture sides and top of fixture. The 50° cutoff to lamp and lamp image provides a glare-free,

smooth, medium beam distribution. **Lamp module and optical element can be changed after installation to provide a variety of lamp sources and distributions. e.g. into a PAR36 Adjustable.**



SPECIFICATION FEATURES

A...Baffle

.040 thick aluminum spun sawtooth baffle in matte black or white powdercoat finish. Baffle extends up beyond lamp for clean appearance.

B...Flange

Die-cast flange with either matte white or clear coat finish. Die-cast flanges are easily removed for field painting. Elements are keyed for proper insertion.

C...Attachment

Positive torsion springs pull flange tight to ceiling. Mechanical light trap eliminates spill light at edge of flange or baffle.

D...Socket

Nickel plated porcelain socket. Two position socket ensures consistent lamp position.

E...Electrical

Keyed quick connect provides easy lamp module installation.

F...Junction Box

18 cubic inches, listed for 4#12 AWG or 6#14 AWG 90° C additional feed through conductors, has five 1/2 inch pryouts.

G...Frame/Housing

Hot dipped galvanized 20 gauge steel frame with built in 1/2 inch plaster lip. Gunsights allow for consistent alignment. One piece 20 gauge steel housing for seamless construction is painted matte black for a visually dark interior.

H...Bar Hangers

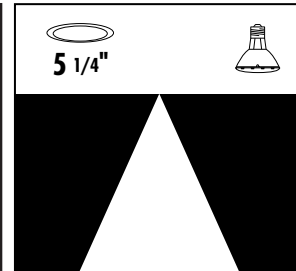
No Flex® bar hangers with positive locking, for use with wood, engineered wood and steel frame joists spaced up to 24" O.C. ship with platform. For use in T-bar ceilings order accessory MBCLP. Nailless barb and locator lip provide consistent installation height.

Codes

Thermally protected, IP labeled, Unit is airtight and exchanges less than 2.0 CFM with the plenum at a pressure of 75 pascals. Insulation must be kept three inches away from fixture sides and none on top as to entrap heat.

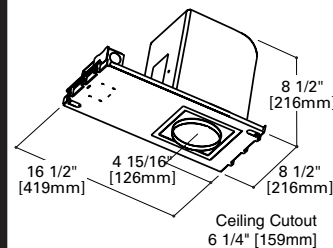
Labels

UL and cUL listed, standard damp label, IBEW union made.



**PN5
M120
E5P30BB**

**75W PAR30
75W PAR30L
85 BR30
100R30**
**5" DOWNLIGHT
BAFFLE**



ORDERING INFORMATION

Complete unit consists of a platform, module and element

Platform	Lamp Module	Element	Finish	Flange	Accessories
PN5	M120				
PN5=5" Airtight non IC Housing	M120=Medium Base Incandescent Socket	E5P30=5" PAR 30 Downlight Baffle	BB=Black Baffle WB=White Baffle	Blank=White Die-cast RAW=Natural Die-cast	MBCLP=40 Push On T Bar Clips (for 10 Units) PLE5=Plaster Lip Extension for Max 2" Thick Ceiling FMC5=Flush Mount Collar

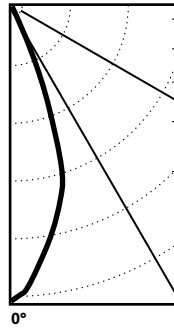
PHOTOMETRICS

PN5-M120-E5P30BB

Test No. H36110
 Lamp: 75PAR30FL/H
 Lumens: 1100
 Cutoff: 50°
 Spacing: 0.5
 Efficiency: 69.0%
 Unit LPW: 10.1

Vertical Angle	CD
90	0
85	0
75	0
65	1
55	2
45	4
35	27
25	269
15	1502
5	2096
0	2303

Distribution



Luminance

Degree	cd/m ²
85°	0
75°	0
65°	169
55°	250
45°	405

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
4'6"	113	2'6"
5'6"	76	3'0"
6'6"	54	4'0"
8'0"	36	4'6"
10'0"	23	6'0"
12'0"	16	7'0"

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	735	66.8	96.8
0-40	754	68.6	99.3
0-60	759	69.0	99.9
0-90	760	69.0	100.0
90-180	0	0.0	0.0
0-180	760	69.0	100.0

Coefficient of Utilization

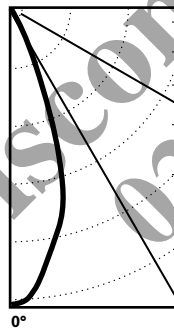
Ceiling Reflectance	80%				70%		50%		30%		0%
	70	50	30	10	50	10	50	10	50	10	0
Room Cavity Ratio	70	50	30	10	50	10	50	10	50	10	0
0	82	82	82	82	80	80	77	77	73	73	69
1	80	79	77	76	77	75	74	73	72	71	68
2	78	76	74	72	74	72	72	70	70	69	66
3	76	763	71	70	72	69	71	68	69	67	65
4	74	71	69	67	70	67	69	66	68	65	64
5	72	69	67	65	68	65	67	64	66	64	62
6	71	67	65	63	67	63	66	63	65	62	61
7	69	66	63	62	65	62	65	61	64	61	60
8	68	64	62	60	64	60	63	60	63	60	59
9	66	63	60	59	62	59	62	58	61	58	58
10	65	61	59	57	61	57	61	57	60	57	56

PN5-M120-E5P30WB

Test No. H36111
 Lamp: 75PAR30FL/H
 Lumens: 1100
 Cutoff: 50°
 Spacing: 0.6
 Efficiency: 79.5%
 Unit LPW: 11.6

Vertical Angle	CD
90	0
85	2
75	8
65	15
55	23
45	33
35	60
25	321
15	1522
5	2139
0	2268

Distribution



Luminance

Degree	cd/m ²
85°	1642
75°	2212
65°	2540
55°	2870
45°	3340

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
4'6"	112	2'6"
5'6"	75	3'6"
6'6"	54	4'0"
8'0"	35	5'0"
10'0"	23	6'0"
12'0"	16	7'6"

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	763	69.3	87.2
0-40	802	72.9	91.7
0-60	848	77.1	97.0
0-90	875	79.5	100.0
90-180	0	0.0	0.0
0-180	875	79.5	100.0

Coefficient of Utilization

Ceiling Reflectance	80%				70%		50%		30%		0%
	70	50	30	10	50	10	50	10	50	10	0
Room Cavity Ratio	70	50	30	10	50	10	50	10	50	10	0
0	95	95	95	95	93	93	88	88	85	85	80
1	91	90	88	87	88	85	85	83	82	80	76
2	88	85	83	81	84	80	81	78	79	76	74
3	86	82	79	77	81	76	79	75	77	74	72
4	83	79	76	73	78	73	76	72	75	71	69
5	80	76	72	70	75	70	74	69	73	69	67
6	78	73	70	68	73	68	72	67	71	67	65
7	76	71	68	65	71	65	70	65	69	65	63
8	74	69	66	63	68	63	68	63	67	63	62
9	72	67	64	61	67	61	66	61	65	61	60
10	70	65	62	60	65	60	64	60	64	59	59

Notes and Formulas:

Luminance: To convert cd/m² to footlamberts, multiply by 0.2919

Cone of Light:

- 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. See page 64-65 of catalog.

CU Notes/Formulas:

- maintained illuminance = lamp lumens x CU x light loss factors / room area
- total number of luminaires = total room area x maintained illuminance / lamp lumens x CU x light loss factors
- CU data based on 20% effective floor cavity reflectance.

Note: Specifications and Dimensions subject to change without notice.

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