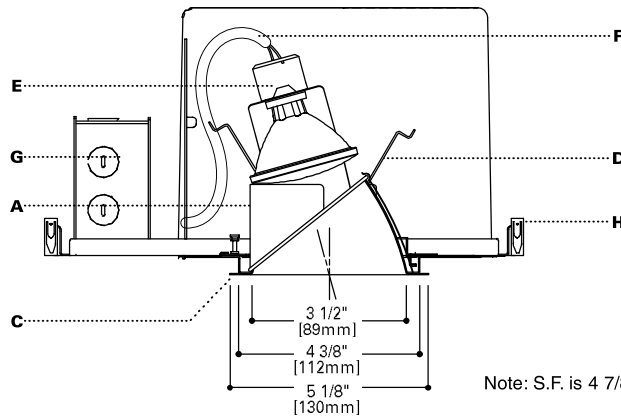


DESCRIPTION

Specification grade fixture for use with narrow joist spacing. The specular clear kicker reflector and frosted spread lens maximize light towards the wall for smooth wall illumination. Cutoff to lens and lens image is 50°. Insulation must be kept 3" from fixture sides and top of fixture. Accommodates PAR 20, and PAR16 lamps. Halogen lamps provide excellent color and long life. **Optical element can be changed after installation to provide a variety of distributions. e.g. into an Adjustable.**



Note: S.F. is 4 7/8" O.D.

SPECIFICATION FEATURES

A...Reflector

.040 thick aluminum spun parabolic reflector in Clear, Gold, Haze, Black Alzak® finish, painted gloss white or matte white. Special cone colors listed below.

B ...Lens

Frosted spread lens is retained during relamping.

C... Flange

Self flange reflector or die-cast flange with either matte white or clear coat finish. Elements are keyed for proper insertion.

D... Attachment

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

E... Socket

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

F...Frame/Housing

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

G... 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.

H... Bar Hangers

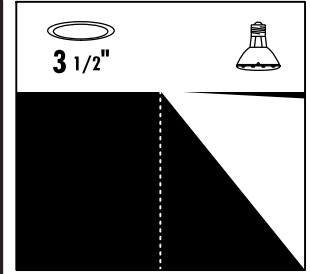
No Flex® bar hangers with positive locking, for use with wood, engineered wood and steel frame joists spaced up to 24" O.C. ship with platform. For use in T-bar ceilings order accessory MBCLP. Nailless barb and locator lip provide consistent installation height.

I...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.

J...Labels

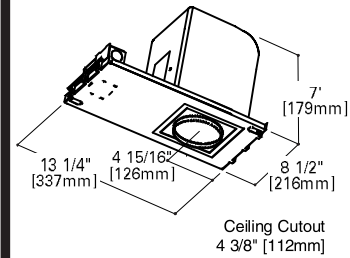
UL and cUL listed, IBEW union made.



**PN3120
E3LWW**

**50W PAR20
75W PAR16**

**3" LENSED
WALL WASH**



ORDERING INFORMATION

Complete unit consists of a platform, and element

Platform	Optical Element	Finish	Flange	Accessories
PN3120				
PN3120 = 3" Non-IC Housing	E3LWW = 3" Lensed Wall Wash	Standard C=Clear H=Haze G=Gold B=Black WMH=Warm Haze W=Gloss White MW= Matte White B= Black Custom K=Cognac KH=Cognac Haze CC=Chocolate	Custom Cont. CCH=Chocolate Haze BU=Blush BUH=Blush Haze GP=Graphite GPH=Graphite Haze PN=Pine PNH=Pine Haze SK=Sky SKH=Sky Haze	Blank= Matte White Die-cast SF= Self Flange RAW= Natural Die-cast SFWF= Self Flange Painted White MBCLP = 40 Push On T Bar Clips (for 10 Units) PLE3 = Plaster Lip Extension for Max 2" Thick Ceiling

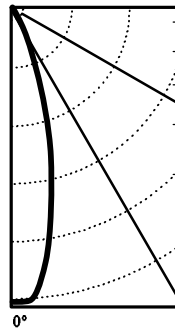
PHOTOMETRICS

PN3120-E3LWWC

Test No. H21032
 Lamp: 50PAR20NFL
 Lumens: 560
 Cutoff: 50°
 Efficiency: 94.9%
 Unit LPW: 10.64

Candelas	
Vertical Angle	CD
90	0
85	0
75	0
65	0
55	0
45	12
35	33
25	70
15	115
5	160
0	190

Distribution



Luminance	
Degree	cd/m ²
85°	0
75°	0
65°	0
55°	0
45°	2857

**Single Fixture
3' Distance from Wall**

DD	3' Distance from Wall				
	1'	2'	3'	4'	5'
1	2	1	0	0	0
2	8	4	1	0	0
3	7	5	2	0	0
4	5	4	2	1	0
5	3	3	1	1	0
6	2	2	1	1	0
7	1	1	1	1	0
8	1	1	1	0	0
9	1	1	0	0	0
10	0	0	0	0	0

1'6" Distance from Wall

DD	18" OC				24" OC		
	1'	2'	3'	4'	5'	6'	7'
1	7	7	7	7	5	7	
2	17	17	17	15	13	15	
3	13	14	13	11	11	11	
4	7	8	7	7	7	7	
5	5	5	5	4	5	4	
6	3	3	3	3	3	3	
7	2	2	2	2	2	2	
8	2	1	2	1	1	1	
9	1	1	1	1	1	1	
10	1	1	1	1	1	1	

2'6" Distance from Wall

DD	24" O.C.			32" O.C.		
	1'	2'	3'	4'	5'	6'
1	1	1	1	1	1	1
2	4	4	4	4	3	4
3	7	7	7	6	6	6
4	6	7	6	6	6	6
5	5	5	5	4	5	4
6	4	4	4	3	4	3
7	3	3	3	2	3	2
8	2	2	2	2	2	2
9	1	2	1	1	1	1
10	1	1	1	1	1	1

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.

For optimal wall washing, space fixtures equal to the distance from the wall.

CU Notes/Formulas:

- $\text{maintained illuminance} = \frac{\text{lamp lumens} \times \text{CU} \times \text{light loss factors}}{\text{room area}}$
- $\text{total number of luminaires} = \frac{\text{total room area} \times \text{maintained illuminance}}{\text{lamp lumens} \times \text{CU} \times \text{light loss factors}}$
- CU data based on 20% effective floor cavity reflectance.

Note: Specifications and Dimensions subject to change without notice.

Visit our web site at www.cooperlighting.com

