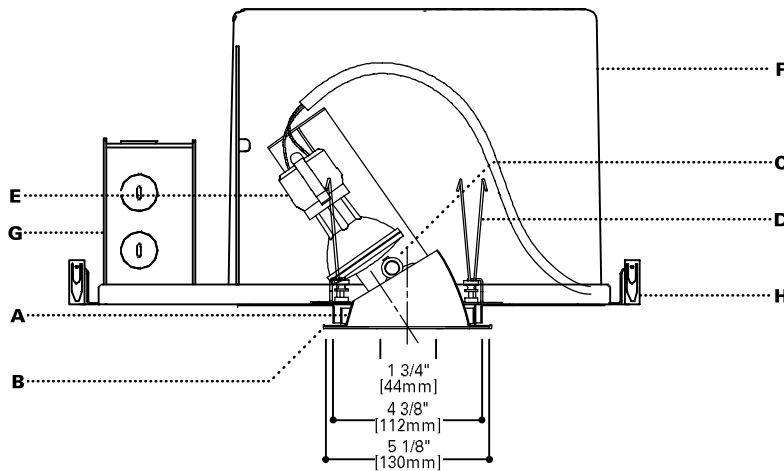


## DESCRIPTION

Specification grade 75 watt PAR16 adjustable Pinhole fixture rated for direct contact with insulation. Adjustment mechanism features hot aiming capability, aiming marks and toolless locking. Pinhole minimizes aperture appearance, and reflects

tor provides 50° cutoff to lamp and lamp image. Accommodates PAR20 lamps. **Optical element can be changed after installation to provide a variety of distributions. e.g. into a Downlight.**



## SPECIFICATION FEATURES

### A...Reflector

.040 thick aluminum spun parabolic interior reflector in Black Alzak® finish.

### B...Flange

Die-cast flange with matte white finish and 2" pinhole. Die-cast flanges are easily removed for field painting. Elements are keyed for proper insertion.

### C...Adjustability

Lamp locks in 361° rotation, 35° tilt. Unit is relamped without unlocking adjustments. Translating centerbeam optics maximize light output.

### 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.

### 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

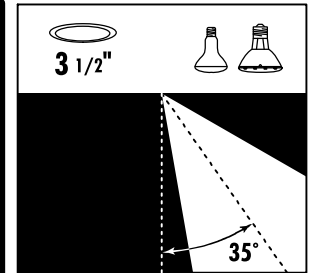
No Flex® bar hangers with positive locking, for use with joists spaced up to 24" O.C. ship with platform. For use in T-bar ceilings order accessory MBCLP. Nailless barb and locator lip provide consistent installation height.

### 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.

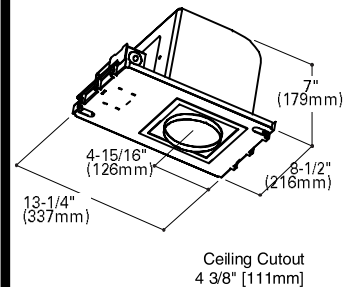
### J...Labels

UL listed, CSA certified, standard damp label, IBEW union made.

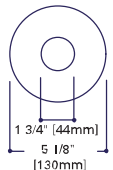


**PN3120  
E3PINLARGE  
E3PINRD**

**75 W PAR16  
3" ADJUSTABLE  
PINHOLE**



**E3PINLARGE  
E3PINLARGE RAW  
E3PINRD**



## ORDERING INFORMATION

Complete unit consists of a platform and element

### Platform

**PN3120**

PN3120 =  
3" Airtight  
IC Rated  
Housing

### Optical Element

E3PINLARGE = PAR20 2" 35°  
Adjustable Pinhole  
E3PINRD = PAR20 2" 35°  
Adjustable Pinhole with  
radius edges

### Accessories

MBCLP = 40 Push On T  
Bar Clips (for 10 Units)  
PLE3 = Plaster Lip  
Extension for Max 2"  
Thick Ceiling  
FMC3= Flush Mount  
Collar

**PHOTOMETRICS**

Lamp	Luminance cd/m <sup>2</sup> @ Maximum Tilt			0° Aiming Angle Horizontal Footcandles					30° Aiming Angle Horizontal Footcandles					30° Aiming Angle Vertical Footcandles				
	Degree	@ 180°	@ 90°	D	FC	L	W		D	FC	L	W	CB	D	FC	L	W	CB
<b>GE 50PAR20/H/SP10</b> Lumens: 570 10° x 10° CBCP: 6000	85°	0	0	6'	157	0.9	0.9		6'	95	1.4	1.0	3.5	2'	195	1.1	0.6	3.5
	75°	0	0	8'	88	1.2	1.2		8'	54	1.9	1.3	4.6	3'	86	1.6	0.9	5.2
	65°	0	0	10'	57	1.5	1.5		10'	34	2.3	1.6	5.8	4'	49	2.2	1.2	6.9
	55°	0	281	12'6"	36	1.9	1.9		12'6"	22	2.9	2.0	7.2	5'	31	2.7	1.5	8.7
	45°	228	228															
	Test # H21285			Test # H21284					Test # H21285					Test # H21285				

**Note:** Photometrics are from P3120-E3AAC, actual performance using E3PINLARGE element will be less.

**Notes and Definitions:**

**Luminance:** To convert cd/m<sup>2</sup> to footlamberts, multiply by 0.2919

- Data is based upon bare lamps photometrics.
- Beam spread is to 50% center beam candlepower (CBCP)

D=Distance to floor or wall.

FC=Footcandles on floor or wall at center beam aiming location.

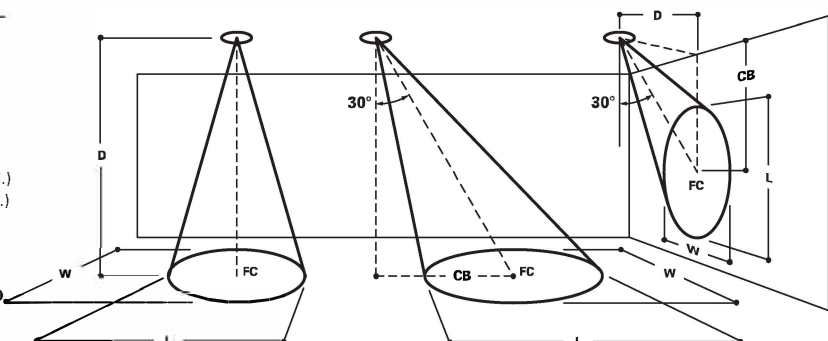
L=Effective Visual Beam length in feet (50% of maximum footcandle level.)

W=Effective Visual Beam width in feet (50% of maximum footcandle level.)

CB=Distance across or down to center beam location.

IRiS believes that bare lamp data photometrics vastly overstate the performance of adjustable accent fixtures. The "real world photometrics" shown here are from off the shelf lamps in fixtures and operated at 120.0 volts. Please see page 64 & 65 of the IRiS catalog for further discussion and appropriate correction multipliers.

The photometrics shown here are using the P3120 with a clear adjustable element.



Note: Specifications and Dimensions subject to change without notice.

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