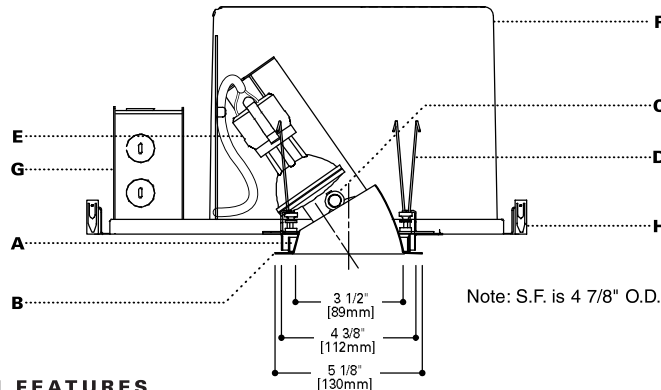


DESCRIPTION

Specification grade 50 watt PAR20 adjustable for use with narrow joist spacing. Insulation must be kept 3" from fixture sides and top of fixture. Adjustment mechanism features hot aiming capability, aiming marks and toolless locking. Optics

provide glare free 50° cutoff to lamp and lamp image. Accommodates PAR20, PAR16 and R20 lamps. **Optical element can be changed after installation to provide a variety of distributions. e.g. into a Wall Wash**



SPECIFICATION FEATURES

A...Reflector

.040 thick aluminum spun parabolic reflector in Clear, Gold, Haze, Warm Haze, Black Alzak® finish, painted gloss white or matte white. Special cone colors listed below. E3AA20 recommended for ceilings over 7/8" thick.

B...Flange

Self flange reflector or 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...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. 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

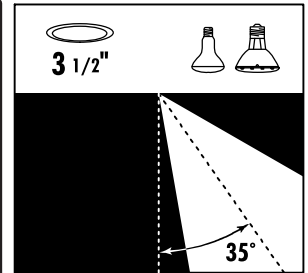
No Flex® bar hangers with positive locking, for use with wood, engineered wood and steel frame joists spaced up to 24" O.C. ship with platform. For use in T-bar ceilings order accessory MBCLP clips. Nailless barb and locator lip provide consistent installation height.

I...Codes

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

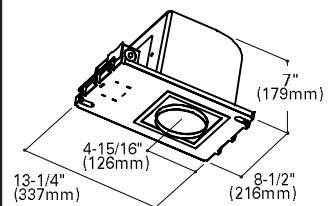
UL and cUL listed, standard damp label, IBEW union made.



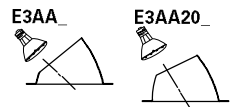
PN3120 E3AA

50 W PAR 20
75 W PAR 16
50 W R 20

3" ADJUSTABLE ACCENT



Ceiling Cutout 4 3/8" (111mm)

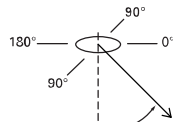


ORDERING INFORMATION

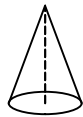
Complete unit consists of a platform, module and element

Platform	Optical Element	Finish	Flange	Accessories
PN3120				
PN3120 = 3" Airtight Non-IC Rated Housing	E3AA = PAR/R Adjustable Accent 0° - 35° E3AA20 = PAR/R Adjustable Accent 0° - 20°	Standard C=Clear H=Haze G=Gold WMH=Warm Haze W=Gloss White B=Black MW= Matte White 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= White die-cast with Black Oculus RAW= Natural Die-Cast SF= Self Flange SFWF= Self Flange Painted White MBCLP = 40 Push On T Bar Clips (for 10 Units) PLE3 = Plaster Lip Extension for Max 2" Thick Ceiling FMC3 = Flush Mount Collar

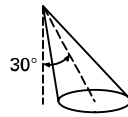
PHOTOMETRICS



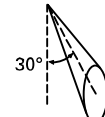
Luminance
cd/m² @ Maximum Tilt



0° Aiming Angle
Horizontal Footcandles



30° Aiming Angle
Horizontal Footcandles



30° Aiming Angle
Vertical Footcandles

50 PAR20/H/SP10 Lumens: 570 Beam Spread: 10" CBCP: 6,000	Degree	@ 180°	@ 90°	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB
	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	12'5"	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 # H21284				Test # H21285					Test # H21285				
Test # H21285																	
60 PAR16/HAL/NSP10 Lumens: 580 Beam Spread: 10" CBCP: 5700	Degree	@ 180°	@ 90°	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB
	85°	1848	1848	6'	145	1.1	1.1	6'	70	2.2	1.5	0	2'	136	1.6	0.8	0
	75°	0	0	8'	82	1.5	1.5	8'	39	3.0	2.0	0	3'	60	2.3	1.3	0
	65°	0	0	10'	52	1.8	1.8	10'	25	3.7	2.5	0	4'	34	3.1	1.7	0
	55°	0	281	12'5"	34	2.3	2.3	12'5"	16	4.7	3.1	0	5'	22	3.9	2.1	0
	45°	0	228	Test # H21286				Test # H21287					Test # H21287				
Test # H21287																	
60 PAR16/HAL/NFL27 Lumens: 580 Beam Spread: 27" CBCP: 2000	Degree	@ 180°	@ 90°	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB
	85°	0	0	6'	60	2.2	2.2	6'	37	2.9	2.7	0	2'	108	1.7	1.2	0
	75°	0	622	8'	34	3.0	3.0	8'	21	3.9	3.6	0	3'	48	2.5	1.9	0
	65°	0	381	10'	22	3.7	3.7	10'	13	4.9	4.5	0	4'	27	3.4	2.5	0
	55°	0	281	12'5"	14	4.7	4.7	12'5"	8	6.1	5.6	0	5'	17	4.2	3.1	0
	45°	228	228	Test # H21288				Test # H21289					Test # H21289				
Test # H21289																	

Notes and Definitions:

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

- Beam spread is to 50% center beam candlepower (CBCP)

D=Distance to floor or wall.

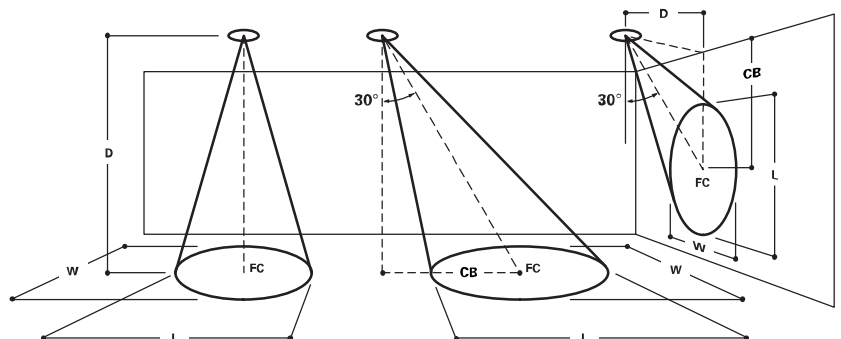
FC=Footcandles on floor or wall at center beam aiming location.

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.



Note: Specifications and Dimensions subject to change without notice.

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