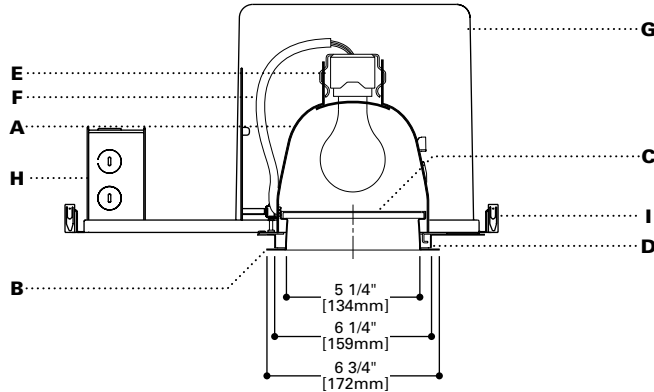


## DESCRIPTION

Specification grade wet listed A lamp fixture for use with narrow joist spacing. Insulation must be kept 3" from fixture sides and top of fixture. Regressed frosted lens provides a low brightness

aperture and a smooth illumination pattern. **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...Reflector**

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

**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. Gasket is a closed cell foam.

**C...Lens**

.125 thick frosted lens obscures lamp and is retained during relamping.

**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. Fixed socket height ensures consistent lamp position.

**F...Electrical**

Keyed quick connect provides easy lamp module installation.

**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...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.

**I...Bar Hangers**

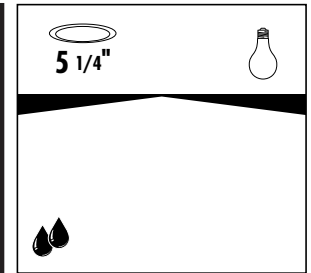
No Flex® bar hangers with positive locking, for use with joists spaced up to 24" O.C. ship with platform. For use in T-bar ceilings order accessory MBCLP. Nailless barb and locator lip provide consistent installation height.

**J...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.

**K...Labels**

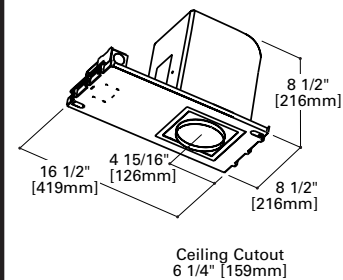
UL and cUL listed, standard wet label, IBEW union made.



**PN5  
M120  
E5SR**

**100W A19  
75W BT15  
MB19**

**5" REGRESSED LENS  
SHOWERLIGHT**



## ORDERING INFORMATION

Complete unit consists of a platform, module and element

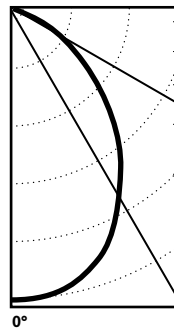
Platform	Lamp Module	Optical Element	Finish	Flange	Accessories
<b>PN5</b>	<b>M120</b>	<b>E5SR</b>			
PN5 = 5" Non-IC Housing	M120 = 120V Medium Base Socket	E5SR = 5" Regressed Lensed Showerlight	<b>Standard</b> C=Clear H=Haze G=Gold WMH=Warm Haze W=Gloss White MW= Matte White B= Black <b>Custom</b> K=Cognac KH=Cognac Haze CC=Chocolate	<b>Custom Cont.</b> 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 Die-cast RAW= Natural Die-cast SFWF= Self Flange Painted White MBCLP = 40 Push On T Bar Clips (for 10 Units) PLE5 = Plaster Lip Extension for Max 2" Thick Ceiling

**PHOTOMETRICS****PN5-M120-E5SRC**

Test No. H36116  
 Lamp: 75A19/IF  
 Lumens: 885  
 Cutoff: 75°  
 Spacing: 1.0  
 Efficiency: 32.8%  
 Unit LPW: 3.8

**Candelas**

Vertical Angle	CD
90	0
85	0
75	3
65	18
55	39
45	68
35	99
25	129
15	156
5	174
0	176

**Distribution****Luminance**

Degree	cd/m <sup>2</sup>
85°	0
75°	774
65°	3065
55°	4817
45°	6914

**Cone of Light**

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
4'6"	9	4'6"
5'6"	6	5'6"
6'6"	4	6'6"
8'0"	3	8'0"
10'0"	2	10'0"
12'0"	1	12'0"

Lamp Wattage Multiplier  
 100W x 1.47  
 60W x 0.74

**Zonal Lumen Summary**

Zone	Lumens	%Lamp	%Luminaire
0-30	120	13.5	41.2
0-40	182	20.5	62.5
0-60	269	30.4	92.7
0-90	290	32.8	100.0
90-180	0	0.0	0.0
0-180	290	32.8	100.0

**Coefficient of Utilization**

Ceiling Reflectance	80%				70%				50%				30%				0%
Wall Reflectance	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	0
Room Cavity Ratio	0	39	39	39	39	38	38	36	36	35	35	33	33	32	31	30	30
1	37	36	35	34	35	33	34	32	32	31	30	29	28	27	26	25	24
2	35	33	31	30	32	29	31	29	28	26	25	24	23	22	21	20	19
3	32	30	28	26	29	26	28	26	25	23	22	21	20	19	18	17	16
4	30	27	25	23	27	23	26	23	22	20	19	18	17	16	15	14	13
5	28	25	23	21	25	21	24	21	20	18	17	16	15	14	13	12	11
6	26	23	20	19	22	19	22	18	20	17	16	15	14	13	12	11	10
7	24	21	18	17	20	17	20	16	18	15	14	13	12	11	10	9	8
8	23	19	17	15	19	15	18	15	17	14	13	12	11	10	9	8	7
9	21	17	15	14	17	13	17	13	16	12	11	10	9	8	7	6	5
10	20	16	14	12	16	12	16	12	15	11	10	9	8	7	6	5	4

**Notes and Formulas:**

**Luminance:** To convert cd/m<sup>2</sup> 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 the Iris catalog.

**CU Notes/Formulas:**

- maintained illuminance =  $\frac{\text{lamp lumens} \times \text{CU} \times \text{light loss factors}}{\text{room area}}$
- 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](http://www.cooperlighting.com)