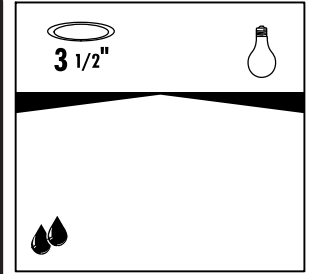
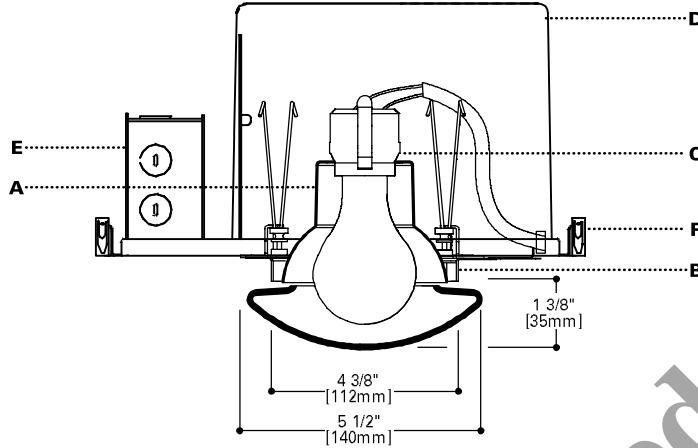


DESCRIPTION

Specification grade A lamp fixture for use with narrow joist spacing, in wet locations and in closets where light is needed on upper shelves. Insulation must be kept 3" from fixture sides and top of fixture. Veined Italian dropped glass diffuser

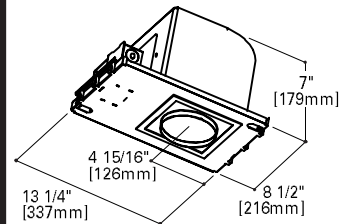
provides a soft smooth illumination pattern. **Optical element may be changed after installation to provide a variety of lamp sources and distributions. e.g. into an Adjustable**



**PN3120
E3A19LUNA**

- 100W A19
- 100W MB19
- 100W BT15
- 90W TB19

**3" DROPPED LENS
SHOWERLIGHT**



Ceiling Cutout
4 3/8" [112mm]

SPECIFICATION FEATURES

A...Reflector/Lens

.040 thick aluminum spun upper reflector with specular clear finish. Etched satin glass obscures lamp image.

B...Attachment

Positive torsion springs pull glass tight to ceiling. Gasket is a closed cell foam.

C...Socket

Nickel plated porcelain socket. Fixed socket height ensures consistent lamp position.

D...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.

E...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 and two built in romex strain reliefs.

F...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.

G...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.

H...Labels

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

ORDERING INFORMATION

Complete unit consists of a platform and element

Platform

PN3120

PN3120 =
3" Non-IC
Housing

Optical Element

E3A19LUNA

E3A19LUNA = 3"
Dropped Lens
Showerlight

Accessories

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

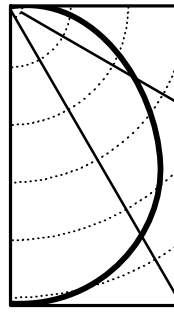
PHOTOMETRICS

PN3120-E3A19LUNA

Test No. H21089
 Lamp: 60A19/IF
 Lumens: 860
 Spacing: 1.3
 Efficiency: 51.4%
 Unit LPW: 7.4

Candelas		
Vertical Angle	CD	
90	19	
85	25	
75	38	
65	55	
55	75	
45	93	
35	109	
25	120	
15	127	
5	130	
0	130	

Distribution



Cone of Light

Distance to Illum. Plane	Initial Nadir Footcandles	Beam Diameter
4'6"	6	6'0"
5'6"	4	7'0"
6'6"	3	8'6"
8'0"	2	10'6"
10'0"	1	13'0"
12'0"	1	15'6"

Single Fixture 2'0" Distance from Wall

DD	1'	2'	3'	4'
1	11	8	4	2
2	9	7	4	2
3	5	4	3	2
4	3	3	2	1
5	2	2	2	1
6	1	1	1	1
7	1	1	1	1
8	1	1	1	1
9	1	1	1	1
10	1	1	1	1

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	104	12.1	23.4
0-40	172	20.0	38.9
0-60	311	36.1	70.3
0-90	433	50.4	97.9
90-180	9	1.1	2.1
0-180	442	51.4	100.0

Coefficient of Utilization

Ceiling Reflectance	80%				70%		50%		30%		0%
	70	50	30	10	50	10	50	10	50	10	0
Wall Reflectance											
Room Cavity Ratio											
0	61	61	61	61	59	59	56	56	54	54	50
1	55	52	50	47	51	47	48	45	46	43	41
2	50	45	42	39	44	38	42	37	40	36	34
3	45	40	36	32	39	32	37	31	36	30	28
4	42	36	31	27	35	27	33	27	32	26	25
5	38	32	27	23	31	23	30	23	29	23	21
6	35	28	24	20	28	20	27	20	26	20	18
7	32	25	21	17	25	17	24	17	23	17	16
8	30	23	18	15	22	15	22	15	21	15	14
9	28	21	16	13	20	13	20	13	19	13	12
10	26	19	15	12	19	12	18	12	17	12	11

Notes and Formulas:

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.

Wall Illumination:

- Illuminance values are cosine corrected initial values with no contribution from inter reflections from other room surfaces. Total illumination may increase from contributions from other surfaces.
- DD=Distance Down from Ceiling.

Note: Specifications and Dimensions subject to change without notice.

Visit our web site at www.cooperlighting.com

