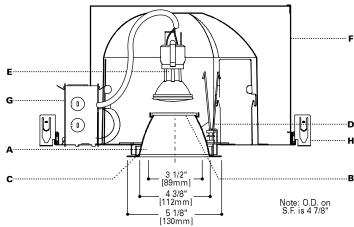
Specification grade 50 watt PAR20 downlight shower fixture rated for direct contact with insulation. Optics provide glare free 50° cutoff to lamp and lamp image. Accommodates PAR20 and

PAR16 lamps. Optical element can be changed after installation to provide a variety of distributions. e.g. into an Adjustable



#### 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.

#### **B**···Lens

.125 thick tempered glass protects lamps from direct spray of water and is retained during relamping.

#### C...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.

## 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. Aluminum .032 thick housing allows for heat dissipation and reduces weight. Matte black housing interior.

#### G...Junction Box

18 cubic inches, listed for 4#12 AWG or 6#14 AWG 90° C additional feed through conductors, has six 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. Nailess barb and locator lip provide consistent installation height.

#### I...Codes

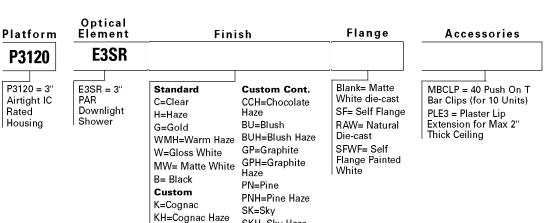
Thermally protected, IP labeled, for use in direct contact with insulation. Meets Washington State Air tight requirements, 1995 CABO Model Energy Code.

#### J...Labels

UL and cUL listed, standard wet label, IBEW union

### ORDERING INFORMATION

Complete unit consists of a platform and element



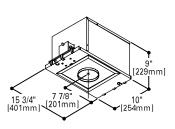
SKH=Sky Haze

CC=Chocolate

P3120 E3SR

**50W PAR20** 50W R20

3" DOWNLIGHT SHOWER



Ceiling Cutout 4 3/8" [112mm]

Unit Number: P3120-E3SR

### **PHOTOMETRICS**

### P3120-E3SRC

Unit LPW:

Test No. H21293

Lamp:50PAR20/H/SP10

Lumens: 560

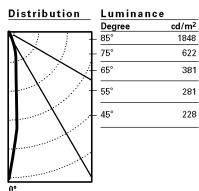
Cutoff: 50°

Spacing: 0.1

Efficiency: 59.4%

10.64

Candelas					
Vertical Angle	CD				
90	0				
85	1				
75	1				
65	1				
55	1				
45	1				
35	5				
25	71				
15	428				
5	1995				
0	5229				



Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
	$\overline{}$	
4'6"	83 \	2'0'
5'6"	<b>56</b>	2'6'
6'6"	/ 40 \	3'0'
8'0"	/ 26	4'0'
10'0"	17	5'0'
12'0"	12	6'0'

### Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire		
0-30	331	58.0	97.7		
0-40	334	58.6	98.6		
0-60	336	58.9	99.1		
0-90	339	59.4	100.0		
90-180	0	0.0	0.0		
0-180	339	59.4	100.0		

### Coefficient of Utilization

Ceiling Reflectance Wall Reflectance	80%		70%		50	50%		30%			
	70	50	30	10	50	10	50	10	50	10	0
Room Cavity Ratio											
0	71	71	71	71	69	69	66	66	63	63	59
1	68	67	66	65	66	64	64	62	61	60	58
2	66	64	63	61	63	61	62	59	60	58	56
3	65	62	60	59	61	58	60	57	59	56	55
4	63	60	58	56	60	56	58	56	57	55	54
5	62	58	56	55	58	54	57	54	56	54	53
6	60	57	55	53	57	53	56	53	55	52	52
7	59	56	53	52	55	52	55	52	54	51	51
8	58	54	52	51	54	51	53	50	53	50	50
9	56	53	51	50	53	50	52	49	52	49	49
10	55	52	50	49	52	49	51	49	51	48	48

### 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.

# CU Notes/Formulas:

- maintained illuminance=|amp lumens x CU x light loss factors room area
- total number of luminaires=total room area x maintained illuminance lamp lumens x CU x light loss factors
- CU data based on 20% effective floor cavity reflectance.

