

# 4" APERTURE

## INCANDESCENT PAR16 / PAR20 LAMPS RECESSED DOWNLIGHT

**OPTIONS:**

Lamp Options:  
**75PAR16** - 75 Watt PAR16 (Medium Base)  
 Maximum Wattage

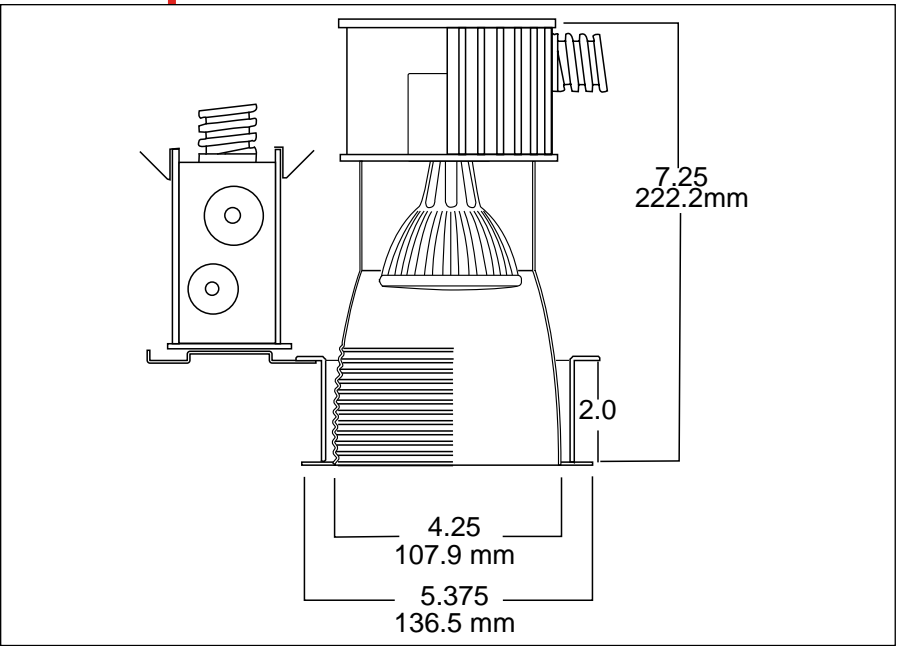
Reflector Options:  
**CL** - Clear Anodized (standard)  
**GA** - Gold Anodized  
**CA** - Champagne Anodized  
**WA** - Wheat Anodized  
**SA** - Straw Anodized  
**PA** - Pewter Anodized  
**GM** - Gun Metal Anodized  
**UA** - Umber Anodized  
**PW** - Painted White  
**PB** - Painted Black

Glass Options:  
**CGS** - Clear Glass Shield  
**C73** - Corning Pattern 73

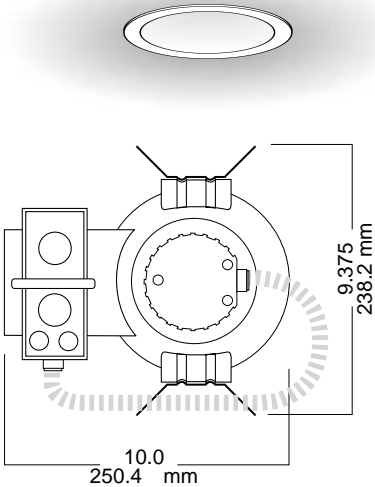
Baffle Option:  
**MB** - Black Micro Baffle  
**WB** - White Micro Baffle  
**BRB** - Bronze Micro Baffle

Installation Options:  
**C** - C Channel Hangers 27" (2)  
**BH** - T-Bar Ceiling Hanging Assemblies (2)  
**SSA** - Slope Ceiling Adapter (specify degree in 5° increments from 10 - 45°)

Electrical Options:  
**277** - 277 Volt Operation  
**GLR** - In Line Fusing



**PRODUCT SPECIFICATION DATA:**  
 Low iridescent specular Alzak® reflector.  
 Designed for 1 vertical PAR16 or PAR20 series lamp.  
 Lamps by others.  
 Heat sink extruded aluminum socket housing.  
 Pulse-rated porcelain socket.  
 Capable of mounting in 2" thick ceiling.  
 Positive trim retention.  
 Thermal protection.  
 14 Gauge galvanized junction box with snap-on covers.  
 Suitable for through wiring (4in/4out) #12 AWG.  
 Factory wired for ease in installation.  
 ETL/CSA Listed / Damp Location.  
 Chicago Plenum-CCEA - consult factory.



### ORDERING INFORMATION

INP - 4- 75PAR20NFL - CL- 120-

LIGHT SOURCE	APERTURE	LAMP	BAFFLE	REFLECTOR	VOLTAGE	PTIONS
INCANDESCENT PAR LAMPS		50PAR20NFL 50PAR20NSP 75PAR16SP 75PAR16FL	MB WB BR B	CL GA CA WA SA PA GM UA PW PB	120 277	GLR C BH SSA



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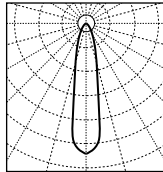
# 4" APERTURE

INCANDESCENT PAR16 / PAR20 LAMPS  
RECESSED DOWNLIGHT

## PHOTOMETRICS

**CANDELLA**  
VERT° AT 0°

90	0
85	0
80	0
75	0
70	0
65	0
60	0
55	0
50	1
45	19
40	24
35	19
30	29
25	103
20	233
15	591
10	1152
5	2686
0	4990



**FOOTLAMBERTS**

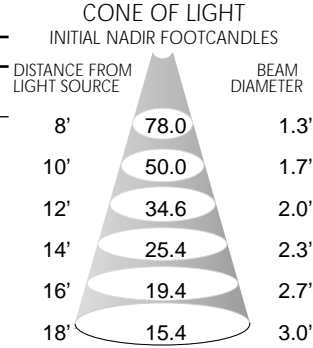
90°-85°	0
80°-75°	0
70°-65°	0
60°-55°	0
50°-45°	868

**Efficiency:**  
**94.0%**  
**S/MH Ratio: .193**

**Model No. INP-4-50PAR20NSP-CL-120**

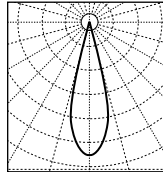
Coefficients of Utilization-Zonal Cavity

	80%			70%			50%		
	R	C	U	R	C	U	R	C	U
1	1.09	1.07	1.06	1.07	1.05	1.04	1.01	1.00	.99
2	1.06	1.02	1.00	1.04	1.01	.99	.98	.96	.95
3	1.03	.99	.96	1.01	.98	.95	.95	.93	.91
4	1.00	.96	.92	.99	.95	.92	.93	.90	.88
5	.97	.92	.89	.96	.92	.89	.90	.88	.85
6	.95	.90	.87	.94	.90	.86	.88	.86	.84
7	.93	.88	.84	.92	.87	.84	.86	.84	.82
8	.91	.86	.82	.90	.85	.82	.84	.82	.79
9	.89	.83	.80	.88	.83	.80	.82	.79	.77
10	.87	.81	.78	.86	.81	.78	.80	.77	.75



**CANDELLA**  
VERT° AT 0°

90	0
85	0
80	0
75	0
70	0
65	0
60	0
55	0
50	1
45	35
40	22
35	20
30	37
25	152
20	455
15	1008
10	1557
5	2049
0	2271



**FOOTLAMBERTS**

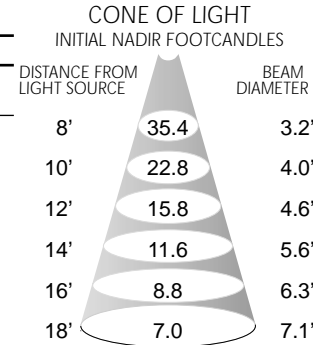
90°-85°	0
80°-75°	0
70°-65°	0
60°-55°	0
50°-45°	1562

**Efficiency:**  
**90.9%**  
**S/MH Ratio: .463**

**Model No. INP-4-50PAR20NFL-CL-120**

Coefficients of Utilization-Zonal Cavity

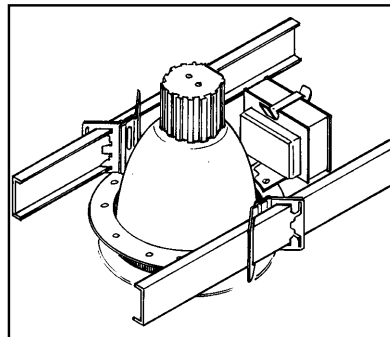
	80%			70%			50%		
	R	C	U	R	C	U	R	C	U
1	1.05	1.03	1.02	1.03	1.01	1.00	.98	.97	.96
2	1.01	.98	.95	.99	.96	.94	.94	.92	.90
3	.98	.94	.91	.97	.93	.90	.91	.88	.86
4	.95	.90	.86	.94	.89	.86	.87	.85	.82
5	.92	.86	.83	.91	.86	.82	.84	.81	.79
6	.89	.84	.80	.88	.83	.80	.82	.79	.77
7	.87	.81	.77	.86	.80	.77	.79	.76	.74
8	.84	.78	.75	.83	.78	.74	.77	.74	.72
9	.82	.76	.72	.81	.75	.72	.74	.71	.69
10	.79	.73	.69	.78	.72	.69	.72	.68	.66



**Reflector Conversion Factors:**

Straw .97	Pewter .86
Champagne .96	Umber .83
Gold .93	Gun Metal .75
Wheat .88	Micro Baffle .60

## INSTALLATION



Universal mounting brackets are installed on all fixtures. C-Channels (shown) are the preferred system for mounting in Plaster-type ceilings. For T-Bar ceilings and other mounting use BH Hangers or scrap EMT.

Ocean State Lighting has designed this system for sloped ceilings specifically to make installation as easy and rapid as possible. For details consult the factory.



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