

# 4" SQUARE APERTURE

INCANDESCENT PAR16 / PAR20 LAMPS  
ADJUSTABLE RECESSED DOWNLIGHT  
355 DEGREE ROTATION 45 DEGREE TILT

RECESSED INCANDESCENT

## OPTIONS:

### Lamp Options:

**75PAR20** - 75 Watt PAR20 Lamp  
Maximum Wattage (medium base)

### 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  
**HZ** - Haze

### Baffle Options:

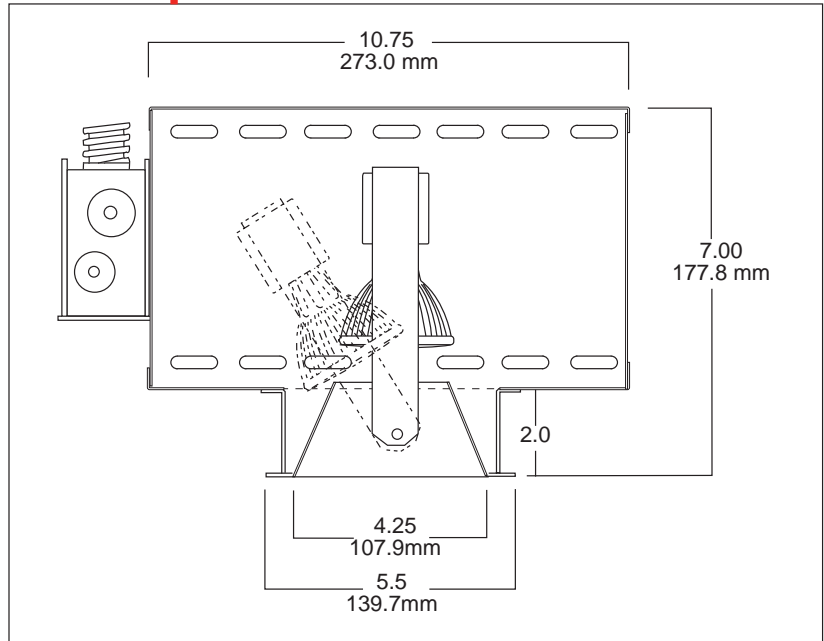
**MB** - Black Micro Baffle  
**WB** - White Micro Baffle  
**BRB** - Bronze Micro Baffle

### Electrical Options:

**120** - 120 Volt Operation  
**277** - 277 Volt Operation  
**GLR** - In Line Fusing

### Glass Options:

**CGS** - Clear  
**LL** - Linear Lens



ROUGH CEILING OPENING 4-1/4" SQ.

## PRODUCT SPECIFICATION DATA:

Steel (matte black) Housing  
Low iridescent specular Alzak® reflector.  
Designed for 1 vertical PAR16 or PAR20 series lamp.  
Lamps by others.  
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.  
Bar Hangers Standard

## ORDERING INFORMATION

INP-SQ-ADJ- 4- 75PAR20 - CL - 120-

| LIGHT SOURCE               | APERTURE | LAMP                                     | REFLECTOR OR BAFFLE  | ELECTRICAL        | GLASS     |
|----------------------------|----------|--|--|-------------------|-----------|
| INCANDESCENT<br>ADJUSTABLE |          | 35PAR16<br>50PAR16<br>50PAR20<br>75PAR20 | CL<br>GA<br>CA<br>WA<br>SA<br>PA<br>GM<br>UA<br>PW<br>PB<br>HZ | 120<br>277<br>GLR | CGS<br>LL |



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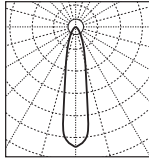
# 4" APERTURE

INCANDESCENT PAR16 / PAR20 LAMPS  
RECESSED DOWNLIGHT

## PHOTOMETRICS

**CANDEL-LA**

|             |      |
|-------------|------|
| 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 |

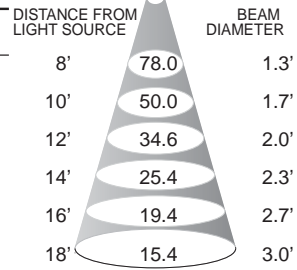
**Efficiency:**  
**94.0%**  
**S/MH Ratio: .133**

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

Coefficients of Utilization-Zonal Cavity

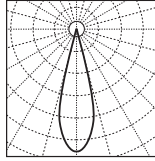
|    | 80%  |      |      | 70%  |      |      | 50%  |      |     |
|----|------|------|------|------|------|------|------|------|-----|
|    | R    | C    | U    | R    | C    | U    | R    | C    | U   |
| 1  | 1.09 | 1.07 | 1.06 | 1.07 | 1.05 | 1.04 | 1.01 | 1.00 | .99 |
| 2  | 1.06 | 1.02 | 1.00 | 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 |

**CONE OF LIGHT**  
INITIAL NADIR FOOTCANDLES



**CANDEL-LA**

|             |      |
|-------------|------|
| 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 |

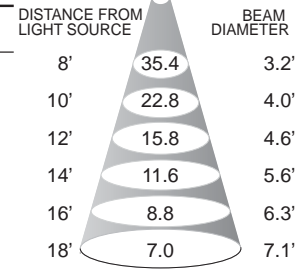
**Efficiency:**  
**90.9%**  
**S/MH Ratio: .463**

**Model No. INP-4-SQ-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 |

**CONE OF LIGHT**  
INITIAL NADIR FOOTCANDLES



**Reflector Conversion Factors:**

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



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