



SQJ SMALL OASIS CEILING MOUNT

The Oasis is ideal for use in loading docks, service station canopies, mall entrances and soffit lighting for strip malls. The Oasis is available with a drop lens in acrylic or polycarbonate or a flat prismatic glass lens.

HOUSING Made of high strength, one-piece welded sheet metal, with a powder coat paint finish.

REFLECTOR Semi-diffuse reflector, hammertone finish. The lamp is in the horizontal position.

LENS Available with a drop lens made of acrylic or polycarbonate. Also available is a flat prismatic glass lens.

FRAME ASSEMBLY The lens frame is made of sheet metal and has a concealed hinge and a captive screw fastener for ease of lamp replacement. Frame has a continuous gasket of open-cell synthetic sponge rubber, which seals the fixture against contaminants.

BALLAST All ballasts are Tri-Tap 120,277,347 volts. For 208 and 240 CWI options please consult factory. Available wattages are 50,70, 100 and 150 High Pressure Sodium. 50, 70, 100, 150 and 175 Metal Halide.

LAMP All units come complete with lamp.



HARDWARE All exterior hardware is stainless steel to ensure corrosion-free protection against the elements.

SOCKET Mogul / medium base 4KV pulse-rated socket with a nickel-plated screw shell and a spring-loaded centre contact.

OPTIONS Quartz standby and single and double fusing.

FINISH Powder coat paint finish. Standard colours are bronze, black and white, for other colours please consult factory.

MOUNTING Surface mount, for recess please see SQJR unit.



www.rabdesign.ca

Catalog Code

SQJ

50HPS 70HPS 100HPS 150HPS
50MH 70MH 100MH 150MH
175MH

LAMP

120 277 347
208CWI* 240CWI*

VOLTAGE

DL-DROP ACRYLIC
DLPO-DROP POLYCARBONATE
FL-FLAT PRISMATIC GLASS

LENS

BRZ - BRONZE
BLK - BLACK
WH - WHITE
CC - CUSTOM COLOUR

FINISH

QRS - QUARTZ RESTRIKE
SF - SINGLE FUSE
DF DOUBLE FUSE

OPTIONS

*** PLEASE CONSULT FACTORY
FOR AVAILABILITY**

PHOTOMETRIC FILENAME : SQJ175MH WITH DROP LENS

TEST NO. 5693
DESIGN ELECTRICAL INDOOR LUMINAIRE CAT. NO. SQJ175MH/DL
WITH SEMI-SPECULAR REFLECTOR AND DROP PRISMATIC LENS
ONE 175W CLEAR METAL HALIDE LAMP. LUMEN RATING = 14000 LMS.

DESIGN ELECTRICAL MANUFACTURING
TORONTO, ONTARIO

CHARACTERISTICS

| | |
|-----------------------------|---------------------|
| Total Rated Lamp Lumens | 14000 |
| Total Luminaire Efficiency | 44.7 % |
| CIE Type | Direct |
| Spacing Criteria (0-180) | 1.14 |
| Spacing Criteria (90-270) | 2.35 |
| Spacing Criteria (Diagonal) | 1.82 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 0.96 ft |
| Luminous Width (90-270) | 0.96 ft |
| Luminous Height | 0.19 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 10290 | 22911 | 35996 |
| 55 | 8692 | 22571 | 34291 |
| 65 | 4807 | 12371 | 14809 |
| 75 | 3838 | 6042 | 8402 |
| 85 | 2914 | 4145 | 4638 |

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 152.79 |
| 10-20 | 443.54 |
| 20-30 | 659.63 |
| 30-40 | 932.96 |
| 40-50 | 1320.21 |
| 50-60 | 1341.84 |
| 60-70 | 616.36 |
| 70-80 | 287.7 |
| 80-90 | 128.43 |
| 90-100 | 85.24 |
| 100-110 | 80.02 |
| 110-120 | 96.52 |
| 120-130 | 65.59 |
| 130-140 | 29.77 |
| 140-150 | 14.47 |
| 150-160 | 5.2 |
| 160-170 | 1.99 |
| 170-180 | .82 |

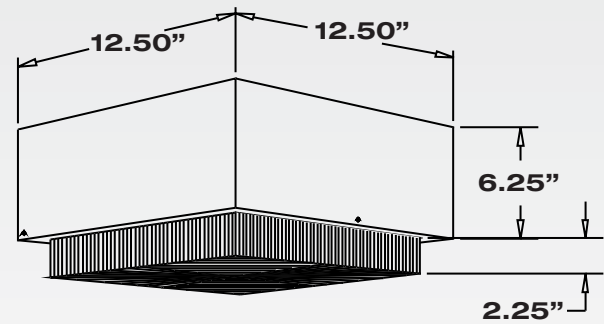
ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|--------|---------|-------|-------|
| 0-30 | 1255.96 | 9 | 20.1 |
| 0-40 | 2188.92 | 15.6 | 34.9 |
| 0-60 | 4850.97 | 34.6 | 77.5 |
| 0-90 | 5883.45 | 42 | 93.9 |
| 90-120 | 261.78 | 1.9 | 4.2 |
| 90-130 | 327.37 | 2.3 | 5.2 |
| 90-150 | 371.61 | 2.7 | 5.2 |
| 90-180 | 379.61 | 2.7 | 6.1 |
| 0-180 | 6263.06 | 44.7 | 100 |

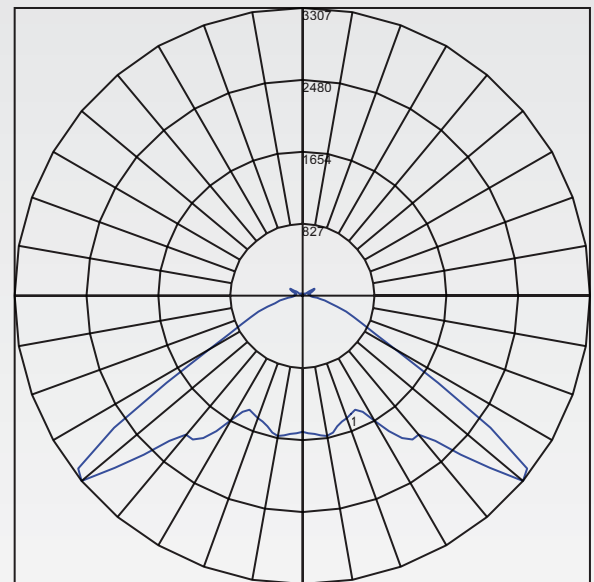
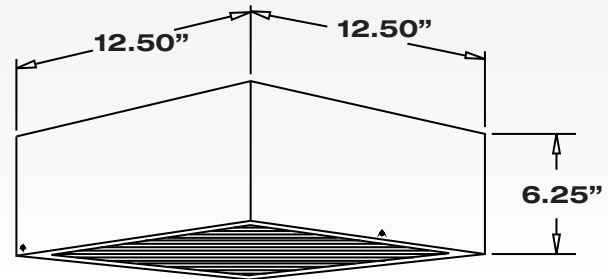
Total Luminaire Efficiency = 44.7%

Dimensions

SQJ WITH DROP LENS



SQJ WITH FLAT LENS



Maximum Candela = 3307 Located At Horizontal Angle = 67.5, Vertical Angle = 50
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | |
| 0 | 53 | 53 | 53 | 53 | 51 | 51 | 51 | 51 | 48 | 48 | 48 | 46 | 46 | 46 | 43 | 43 | 43 | 42 | | | |
| 1 | 48 | 46 | 44 | 42 | 47 | 45 | 43 | 41 | 42 | 41 | 40 | 40 | 39 | 38 | 37 | 36 | 35 | 35 | | | |
| 2 | 44 | 40 | 37 | 34 | 42 | 39 | 36 | 34 | 37 | 34 | 32 | 35 | 33 | 31 | 33 | 32 | 30 | 29 | | | |
| 3 | 40 | 35 | 31 | 28 | 38 | 34 | 30 | 28 | 32 | 29 | 27 | 31 | 28 | 26 | 29 | 27 | 25 | 24 | | | |
| 4 | 36 | 31 | 27 | 23 | 35 | 30 | 26 | 23 | 28 | 25 | 23 | 27 | 24 | 22 | 26 | 23 | 21 | 20 | | | |
| 5 | 33 | 27 | 23 | 20 | 32 | 26 | 22 | 20 | 25 | 22 | 19 | 24 | 21 | 19 | 23 | 20 | 18 | 17 | | | |
| 6 | 30 | 24 | 20 | 17 | 29 | 23 | 20 | 17 | 22 | 19 | 16 | 21 | 18 | 16 | 20 | 18 | 16 | 15 | | | |
| 7 | 28 | 22 | 18 | 15 | 27 | 21 | 17 | 15 | 20 | 17 | 14 | 19 | 16 | 14 | 18 | 16 | 14 | 13 | | | |
| 8 | 26 | 20 | 16 | 13 | 25 | 19 | 15 | 13 | 18 | 15 | 13 | 18 | 15 | 12 | 17 | 14 | 12 | 11 | | | |
| 9 | 24 | 18 | 14 | 11 | 23 | 17 | 14 | 11 | 17 | 13 | 11 | 16 | 13 | 11 | 15 | 13 | 11 | 10 | | | |
| 10 | 22 | 16 | 13 | 10 | 22 | 16 | 12 | 10 | 15 | 12 | 10 | 15 | 12 | 10 | 14 | 12 | 10 | 9 | | | |