

SQ LARGE OASIS CEILING MOUNT

The Large 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, onepiece 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 contaminents.

BALLAST All ballasts are Tri-Tap 120,277,347 volts. For 208 and 240 CWI options please consult factory. Available wattages are 100, 150, 250 and 400 High Pressure Sodium. 100, 150, 175, 250 and 400 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 nickle-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 SQR unit.



Catalog Code SO 100HPS 150HPS 250HPS 400HPS 100MH 150MH 175MH 250MH 400MH LAMP 120 277 347 208CWI* 240CWI* VOLTAGE **DL-DROP ACRYLIC DLPO-DROP POLYCARBONATE** FL-FLAT PRISMATIC GLASS LENS **BRZ - BRONZE BLK - BLACK** FINISH WH - WHITE CC - CUSTOM COLOUR **QRS - QUARTZ RESTRIKE** SF - SINGLE FUSE OPTIONS DF DOUBLE FUSE

* PLEASE CONSULT FACTORY FOR AVAILABILITY

CATALOG NUMBER: SQ400MH WITH DROP LENS

FILENAME: SQ400MHD.IES

TEST NO. 6109

DESIGN ELECTRICAL OUTDOOR LUMINAIRE CAT. NO. SQ400MH/DL120 WITH SEMI-DIFFUSE REFLECTOR, GLASS PLATE AND DROP LENS ONE 400W CLEAR METAL HALIDE LAMP. LUMEN RATING = 40000 LMS.

DESIGN ELECTRICAL MANUFACTURING ETOBICOKE, ONTARIO

SUMMARY DATA

 EFFICIENCY (Total):
 46.9 %

 EFFICIENCY (Downlight):
 46.0 %

 EFFICIENCY (Uplight):
 0.9 %

 CIE CLASSIFICATION:
 DIRECT

 SPACING CRITERION (90-Deg.):
 0.62

 LUMENS/LAMPS:
 40000

 NO. OF LAMPS:
 1

 LUMINOUS OPENING:
 RECTANGULAR

 Width:
 0.00 (Feet)

 Length:
 0.00

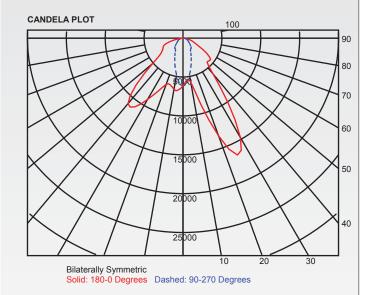
 Height:
 0.00

INPUT WATTS: 0
RP-1-93 VDT CONFORMANCE: YES-INTENSIVE USE

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	5293.4	13.2	28.2
0 - 40	9075.0	22.7	48.4
0 - 60	15150.3	37.9	80.8
60 - 90	3239.7	8.1	17.3
0 - 90	18390.0	46.0	98.1
90 - 180	352.9	0.9	1.9
0 - 180	18742.9	46.9	100.0

SQ WITH DROP LENS 21.50" 21.50" 21.50" SQ WITH FLAT LENS 21.50" 21.50" 21.50"



COEFFICIENT OF UTILIZATION TABLE

Effective Floor cavity Reflectance = 20%

Pcc		8	0			7	0			50			30			10		0
Pw RCR	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0		.56				.54				.52			.49			.47		.46
1	.51	.49	.47	.45	.50	.48	.46	.44	.46	.44	.43	.44	.42	.41	.42	.41	.40	.39
2	.47	.43	.40	.37	.45	.42	.39	.37	.40	.38	.36	.38	.36	.35	.37	.35	.34	.33
3	.43	.38	.34	.31	.41	.37	.34	.31	.35	.33	.30	.34	.32	.30	.33	.31	.29	.28
4	.39	.34	.30	.27	.38	.33	.29	.26	.32	.28	.26	.30	.28	.25	.29	.27	.25	.24
5	.36	.30	.26	.23	.35	.30	.26	.23	.28	.25	.22	.27	.24	.22	.26	.24	.22	.21
6	.33	.27	.23	.20	.32	.27	.23	.20	.26	.22	.20	.25	.22	.19	.24	.21	.19	.18
7	.31	.25	.21	.18	.30	.24	.20	.18	.23	.20	.17	.23	.20	.17	.22	.19	.17	.16
8	.29	.22	.18	.16	.28	.22	.18	.16	.21	.18	.16	.21	.18	.15	.20	.17	.15	.14
9	.27	.21	.17	.14	.26	.20	.17	.14	.20	.16	.14	.19	.16	.14	.19	.16	.14	.13
10	.25	.19	.15	.13	.24	.19	.15	.13	.18	.15	.13	.18	.15	.13	.17	.14	.12	.12