



AISLE LIGHTER ALUMINUM HIGHBAY

The aisle lighter is ideal for warehouses with high racking where you require vertical illumination.

BALLAST HOUSING Two-piece, heavy die cast aluminum with heat fins and an integral splice box mounting flange. Ballast housing is painted white with a powder coat paint finish.

REFLECTOR Anodized, spun aluminum reflector with two panels placed opposite each other within the reflector to increase vertical illumination. Ventilated design carries contaminants out of the top of the reflector. Optical system is adjustable and accommodates the full range of light distributions.

BALLAST All ballasts are Tri-Tap 120,277,347 volts. For 208 and 240 CWI options please consult factory. Available wattages are 250HPS and 400HPS and 250MH and 400MH. Pulse start also available in 250MHP, 320MHP, 350MHP, 400MHP and 450MHP. Ballasts are factory wired to customers choice of voltage.

LAMP All units come complete with lamp.



SOCKET Mogul base 4KV pulse-rated socket with a nickel-plated screw shell and a spring-loaded centre contact. Also available is an open rated socket for 175MH, 250MH, 250MHP, 320MHP, 350MHP, 400MHP, and 450MHP lamps.

OPTIONS Quartz standby, wire guard, upper dust cover, single and double fusing. Standard unit comes with 4 feet of cable. For other lengths please consult factory.



www.rabdesign.ca

Catalog Code

AL

250HPS 400HPS 175MH*
250MH* 400MH 250MHP*
320MHP* 350MHP* 400MHP
450MHP

LAMP

120 277 347 208CWI**
240CWI**

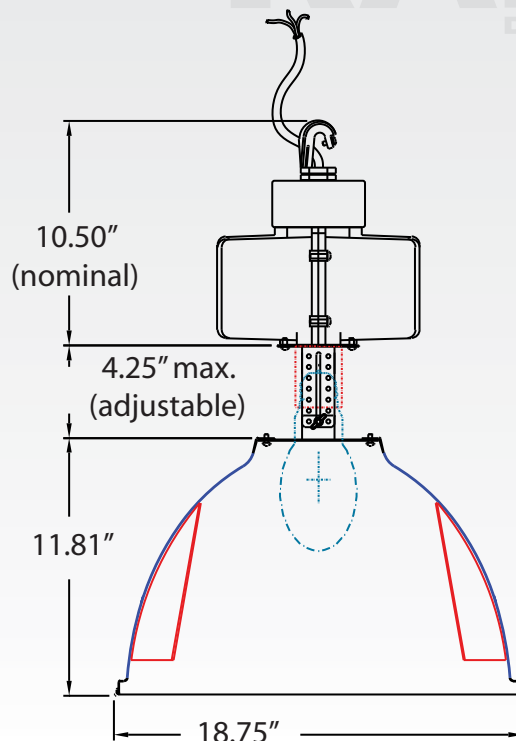
VOLTAGE

AS- QUARTZ RE-STRIKE
(LAMP INCLUDED)
SF - SINGLE FUSE
DF - DOUBLE FUSE
DC - DUST COVER
WG - WIRE GUARD

OPTIONS

* MUSR USE EITHER AN OPEN RATED LAMP OR A LENS
** NOT AVAILABLE ON ALL WATTAGES

Dimensions



CATALOG NUMBER:AL400MH-TRI-TAP

CAT. NO. : AL400-MH AISLE LIGHTER INDOOR HID FIXTURE
WITH DIFFUSE REFLECTOR (SET TO POSITION #3)
AND CURVED SPECULAR INSERTS
LAMP : ONE 400W CLEAR METAL HALIDE LAMP. LUMEN RATING = 34000 LMS.
DESIGN ELECTRICAL MANUFACTURING
MISSISSAUGA, ONTARIO

SUMMARY DATA

EFFICIENCY (Total): 71.0 %
EFFICIENCY (Downlight): 71.0 %
EFFICIENCY (Uplight): 0.0 %
CIE CLASSIFICATION: DIRECT
SPACING CRITERION (0-Deg.): 0.78
SPACING CRITERION (90-Deg.): 0.71
LUMENS/LAMP: 34000
NO. OF LAMPS: 1
LUMINOUS OPENING: RECTANGULAR
Width: 1.21 (Feet)
Length: 1.54
Height: 0.00
INPUT WATTS: 440
RP-1-93 VDT CONFORMANCE: NON-CONFORMING

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	10345.6	30.4	42.9
0 - 40	14836.6	43.6	61.5
0 - 60	22076.4	64.9	91.5
60 - 90	2054.7	6.0	8.5
0 - 90	24131.1	71.0	100.0
90 - 180	0.0	0.0	0.0
0 - 180	24131.1	71.0	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

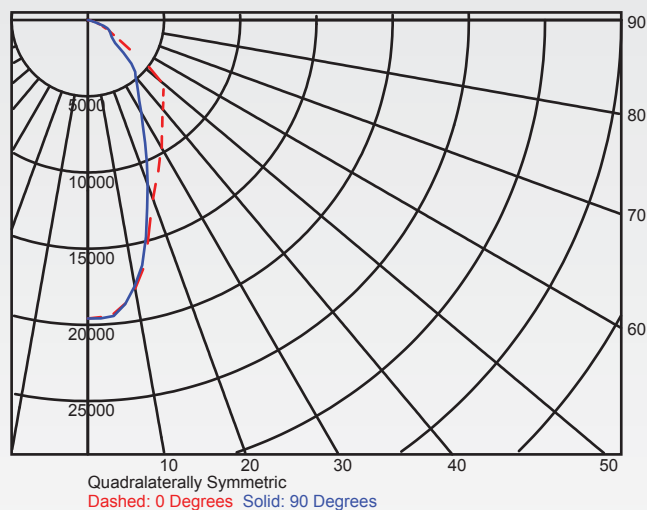
Angle	0	22.5	45	67.5	90
0	113133	113133	113133	113133	113133
45	57176	50649	46752	43313	32979
55	33818	31291	31029	25842	19336
65	17933	17222	25259	23154	20844
75	10222	9999	9999	8102	7209
85	729	265	0	0	0

COEFFICIENT OF UTILIZATION TABLE

Effective Floor cavity Reflectance = 20%

Pcc ...	80				70				50				30				10				0
Pw ...	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	.84	.84	.84	.84	.83	.83	.83	.83	.79	.79	.79	.76	.76	.76	.72	.72	.72	.71	.71	.71	.71
1	.79	.76	.74	.72	.77	.75	.73	.71	.72	.70	.69	.69	.68	.67	.67	.66	.65	.63	.63	.63	.63
2	.73	.69	.65	.62	.72	.67	.64	.61	.65	.62	.60	.63	.60	.58	.61	.59	.57	.56	.56	.56	.56
3	.68	.62	.57	.54	.67	.61	.57	.53	.59	.55	.52	.57	.54	.51	.55	.53	.50	.49	.49	.49	.49
4	.63	.56	.51	.47	.62	.55	.50	.47	.54	.49	.46	.52	.48	.46	.51	.48	.45	.44	.44	.44	.44
5	.59	.51	.46	.42	.58	.50	.45	.42	.49	.45	.41	.48	.44	.41	.47	.43	.40	.39	.39	.39	.39
6	.55	.47	.41	.38	.54	.46	.41	.37	.45	.41	.37	.44	.40	.37	.43	.39	.37	.35	.35	.35	.35
7	.52	.43	.38	.34	.50	.43	.38	.34	.42	.37	.34	.41	.37	.34	.40	.36	.33	.32	.32	.32	.32
8	.48	.40	.35	.31	.47	.40	.35	.31	.39	.34	.31	.38	.34	.31	.37	.33	.31	.29	.29	.29	.29
9	.46	.37	.32	.29	.45	.37	.32	.29	.36	.32	.28	.35	.31	.28	.35	.31	.28	.27	.27	.27	.27
10	.43	.35	.30	.26	.42	.34	.30	.26	.34	.29	.26	.33	.29	.26	.33	.29	.26	.25	.25	.25	.25

CANDELA PLOT



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