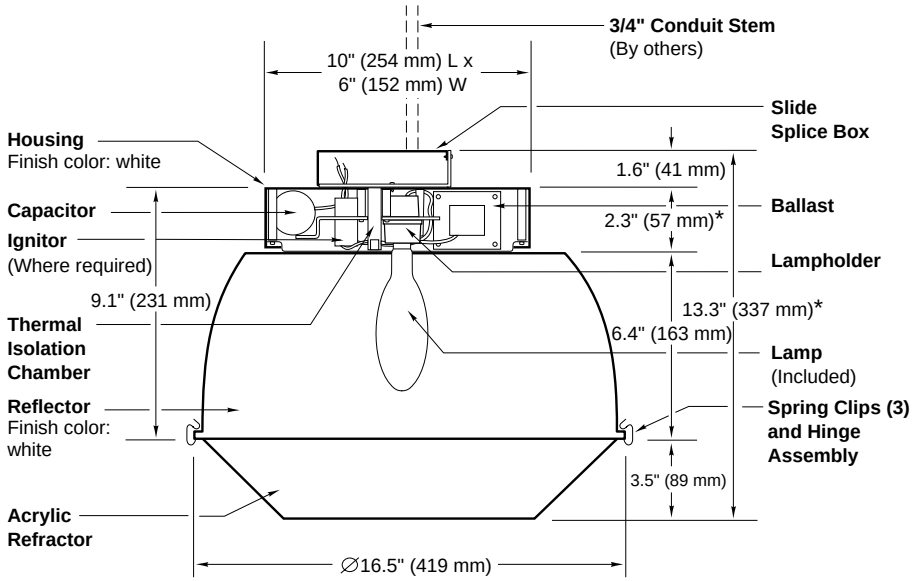
SLIDE SPLICE BOX MOUNT

MINI LOW BAY

FC1 SERIES



* PSMH with -M, all MH, 100W and 150W HPS w/208V or 240V, all 347V: dimension increases by 0.75" (19 mm)

Notes

SPEC #	WATTAGE	CATALOG #
	PULSE START METAL HALIDE	
SPEC #	125W PSMH	FC1612-(a)(b)
SPEC #	150W PSMH	FC1615-(a)(b)
	METAL HALIDE	
SPEC #	70W MH	FC1407-(a)(b)
SPEC #	100W MH	FC1410-(a)(b)
SPEC #	175W MH	FC1417-(a)(b)
	HIGH PRESSURE SODIUM	
SPEC #	70W HPS	FC1507-(a)(b)
SPEC #	100W HPS	FC1510-(a)(b)
SPEC #	150W HPS	FC1515-(a)(b)

Specify (a) Voltage & (b) Options.

(a) VOLTAGE SUFFIX KEY

D	120/277V (Standard: 125W PSMH; 70 – 100W MH)
M	120/208/240/277V (Standard: 150W PSMH; 175W MH)
T	120/277/347V (Canada Only) (Standard: 150W PSMH; 70 – 100W MH)
1	120V
2	277V
27	277V Reactor (150W PSMH Only)
3	208V
4	240V
6	347V (Canada Only) (175W MH; 70 – 150 HPS)

For voltage availability outside the US and Canada, see Bulletin TD-9 or contact your Ruud Lighting authorized International Distributor.

(b) OPTIONS (factory-installed)

V	Polycarbonate Drop Prismatic Lens

GENERAL DESCRIPTION

Fixture is constructed of an aluminum die-cast housing with a thermal air isolation chamber separating the ballast from capacitor and ignitor. Spun aluminum reflector is finished with a white ultra-durable powder paint, and attaches directly to ballast housing with screws. Optical chamber is fully enclosed with injection-molded acrylic lens. Gasketing is provided between lens frame and reflector. Mounting configuration of Slide Splice Box provides a removable steel electrical box which can be installed prior to mounting the fixture utilizing 3/4" conduit for pendant mounting and three knockouts for 1/2" conduit for surface wiring. The fixture is attached to the Slide Splice Box by a slide arrangement and is held in place by an attachment screw.

ELECTRICAL

Fixture includes clear, medium-base lamp. Pulse-rated porcelain enclosed, 4kv-rated screw-shell-type lampholder with spring-loaded center contact. Lamp ignitor included where required. 150W PSMH fixtures are protected thermally. Ballast assemblies are high-power factor and consist of the following circuit types:

Reactor (277V PSMH)
150W PSMH

Reactor
120V: 70 – 150W HPS

Reactor/Transformer Combination
208, 240, 277V: 70W HPS;
277V: 100 – 150W HPS

HX — High Reactance
150W PSMH; 347V: 70 – 175W MH; 70W HPS;
208, 240, 347V: 100 – 150W HPS

CWA — Constant Wattage Autotransformer
125W PSMH; 175W MH

LABELS

ANSI lamp wattage label supplied, visible during relamping. UL Listed in US and Canada for damp locations.

FINISH

Exclusive DeltaGuard® finish features an E-coat primer with white ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. The finish is covered by our seven-year limited warranty.

PATENTS

US 6,693,507

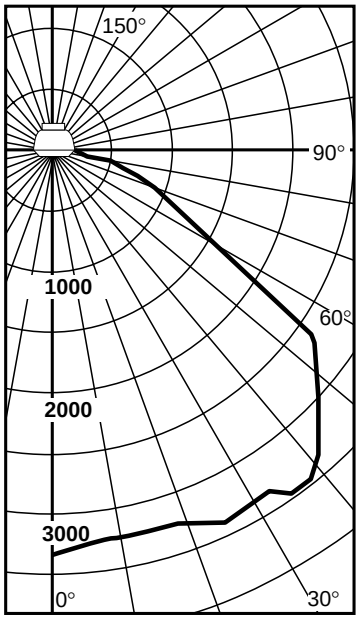
9201 Washington Avenue Racine, Wisconsin 53406-3772 USA PHONE (262) 886-1900 FAX (262) 884-3309

FC1 SERIES

SLIDE SPLICE BOX MOUNT

MINI LOW BAY

Metal Halide
Lamp: 175 Watt (Clear) – 14,000 lumens
Lens: Drop Prismatic Acrylic
Certified Test Report: Lighting Sciences Inc. No. LSI 18261



Efficiency = 83.8%; SC = 1.6; S/MH = 1.6

Candlepower Summary

Angle	Mean CP	Lumens
0	3319	
5	3236	313
15	3219	911
25	3342	1529
35	3456	2125
45	3074	2389
55	2580	2149
65	1123	1132
75	690	720
85	240	278
95	81	93
105	62	64
115	27	27
125	1	3
135	0	0
145	0	0
155	0	0
165	0	0
175	0	0
180	0	

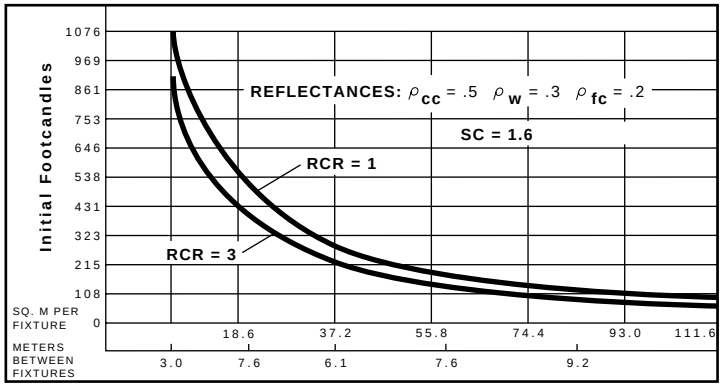
Zonal Lumens and Percentages

Zone	Lumens	% Lamp	% Fixture
0-30	2753	19.67	23.47
0-40	4879	34.85	41.58
0-60	9417	67.27	80.25
0-90	11548	82.49	98.40
40-90	6669	47.64	56.83
60-90	2130	15.22	18.16
90-180	187	1.34	1.60
0-180	11735	83.83	100.00

Coefficients of Utilization

Effective Floor Cavity Reflectance = 0.20

CC	80				70				50			30			10		
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84
1	0.91	0.88	0.84	0.81	0.89	0.86	0.82	0.80	0.82	0.79	0.77	0.78	0.76	0.74	0.75	0.73	0.72
2	0.84	0.77	0.72	0.67	0.82	0.76	0.71	0.67	0.72	0.68	0.65	0.70	0.66	0.63	0.67	0.64	0.62
3	0.77	0.68	0.62	0.57	0.74	0.67	0.61	0.56	0.64	0.59	0.55	0.62	0.58	0.54	0.60	0.56	0.53
4	0.71	0.61	0.54	0.49	0.69	0.60	0.53	0.48	0.58	0.52	0.47	0.55	0.51	0.47	0.54	0.49	0.46
5	0.65	0.54	0.47	0.42	0.63	0.53	0.46	0.41	0.51	0.45	0.41	0.50	0.44	0.40	0.48	0.43	0.40
6	0.59	0.48	0.41	0.36	0.58	0.47	0.40	0.35	0.46	0.40	0.35	0.44	0.39	0.35	0.43	0.38	0.34
7	0.54	0.43	0.35	0.31	0.53	0.42	0.35	0.30	0.41	0.34	0.30	0.39	0.34	0.29	0.38	0.33	0.29
8	0.50	0.38	0.31	0.26	0.49	0.38	0.31	0.26	0.36	0.30	0.26	0.35	0.30	0.26	0.34	0.29	0.25
9	0.46	0.35	0.28	0.23	0.45	0.34	0.27	0.23	0.33	0.27	0.22	0.32	0.26	0.22	0.31	0.26	0.22
10	0.42	0.31	0.24	0.20	0.41	0.31	0.24	0.20	0.30	0.24	0.20	0.29	0.23	0.19	0.28	0.23	0.19



QUICK CALCULATOR: Use this chart to determine the number and spacing of Mini Low Bay lights with 14,000 lumen, clear 175W MH lamp. Determine number and spacing for other wattages by using these multipliers:

70W MH 0.40 100W MH 0.64

RUUD LIGHTING®
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