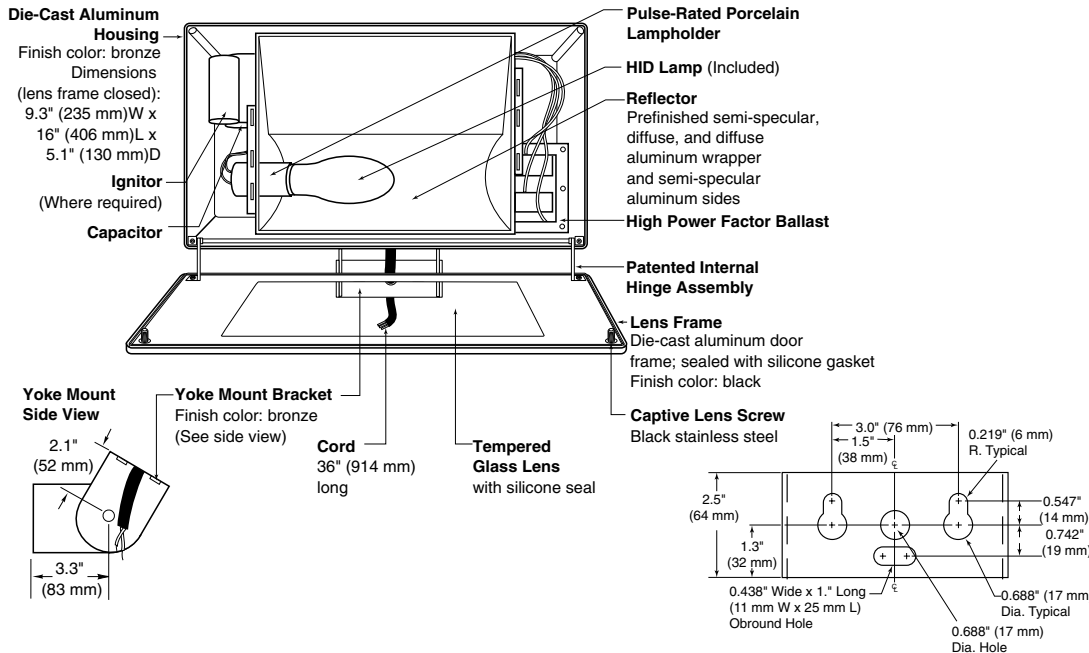


RECTANGULAR CUTOFF FLOOD



SPEC #	WATTAGE	CATALOG #
PULSE START METAL HALIDE		
	125W PSMH	LCF4612-(a)(b)
	150W PSMH	LCF4615-(a)(b)
METAL HALIDE		
	50W MH	LCF4405-(a)(b)
	70W MH	LCF4407-(a)(b)
	100W MH	LCF4410-(a)(b)
	175W MH	LCF4417-(a)(b)
HIGH PRESSURE SODIUM		
	35W HPS	LCF4503-(a)(b)
	50W HPS	LCF4505-(a)(b)
	70W HPS	LCF4507-(a)(b)
	100W HPS	LCF4510-(a)(b)
	150W HPS	LCF4515-(a)(b)

Specify (a) Voltage & (b) Options.

(a) VOLTAGE SUFFIX KEY	
D	120/277V (Standard: 125W PSMH; 50 – 100W MH; 50W HPS)
M	120/208/240/277V (Standard: 150W PSMH; 175W MH; 70 – 150W HPS)
T	120/277/347V (Canada Only) (Standard: 150W PSMH; 70 – 175W MH; 70 – 150W HPS)
1	120V (Standard: 35W HPS)
2	277V
27	277V Reactor (150W PSMH Only)
3	208V
4	240V
5	480V (175W MH; 70 – 150W HPS)
6	347V (Canada Only)

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

(b) OPTIONS (factory-installed)	
-(a)F	Fusing
J	Tamperproof Lens Fasteners
-(a)P	Button Photocell
-5P	External Photocell (for 480V)

Specify (a) Single Voltage — See Voltage Suffix Key

GENERAL DESCRIPTION

Sharp cutoff luminaire for HID lamp, totally enclosed. Housing is seamless, die-cast aluminum. Yoke mounting is hinged steel bracket measuring 5" (127 mm) wide by 2.5" (64 mm) high, which allows vertical tilt of fixture and double locks in 5° increments from 0° to 90° above horizontal. Bracket attaches to housing with two 5/16" stainless-steel bolts. Bracket bolts are supplied with sealing washer to prevent water leakage. A 36" (914 mm) flexible cord is provided for electrical connection. Lens assembly consists of rigid aluminum frame and high-impact, clear-tempered glass.

ELECTRICAL

Fixture includes clear, medium-base lamp. Pulse-rated porcelain enclosed, 4kv-rated screw-shell-type lampholder. Lamp ignitor included where required. All ballast assemblies are high-power factor and use the following circuit types:

Reactor (277V PSMH)
150W PSMH

Reactor
120V: 35 – 150W HPS

HX — High Reactance
50 – 100W MH; 50 – 150W HPS

CWA — Constant Wattage Autotransformer
125 & 150W PSMH; 175W MH

LABELS

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

FINISH

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

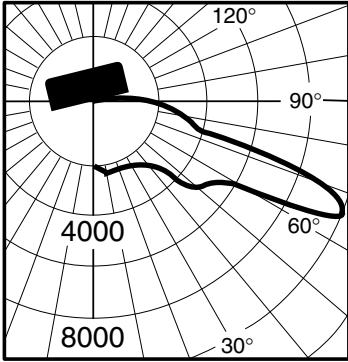
PATENTS

US 4,689,729; 4,709,312

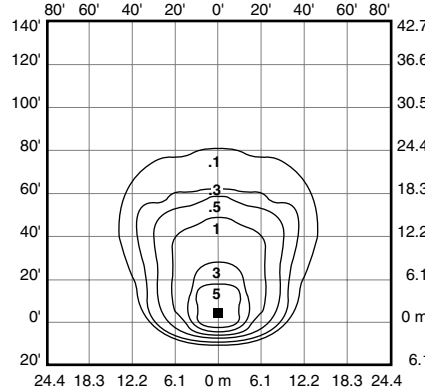
ACCESSORIES

LS-L	Polycarbonate Vandal Shield (not for use with fixtures in upright position)
PGM-1	Ground Mount Post
TPS-1	Tamperproof Screwdriver
WG-L	Wire Guard

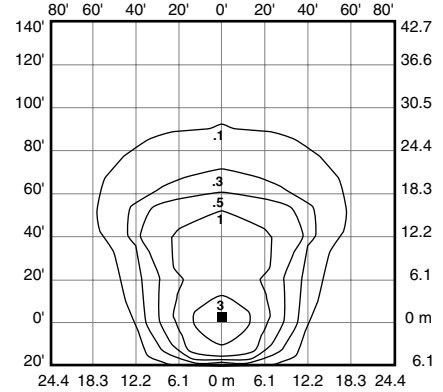
Isofootcandle plots show initial footcandles at grade. (Footcandles ÷ 0.0929 = Lux)



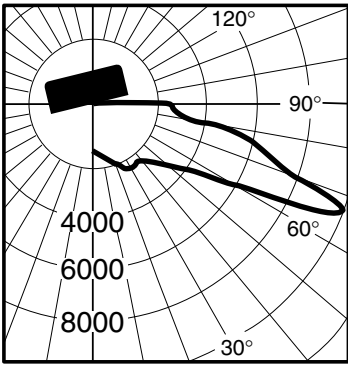
Lighting Sciences Inc.
Certified Test Report No. LSI 10697
Candlepower distribution curve of 175W MH
Rectangular Cutoff Floodlight at 20°
vertical tilt.



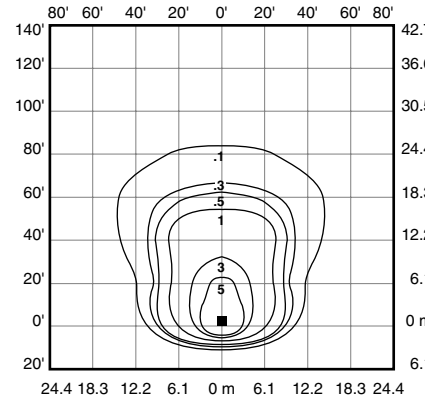
Isofootcandle plot of 175W MH Cutoff
Floodlight at 15' (4.6 m) mounting height
and 20° vertical tilt.
(Plan view)



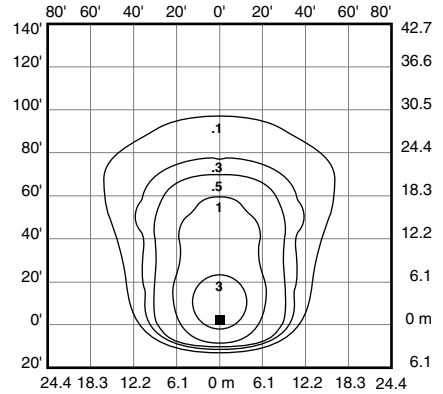
Isofootcandle plot of 175W MH Cutoff
Floodlight at 20' (6.1 m) mounting height
and 20° vertical tilt.
(Plan view)



Lighting Sciences Inc.
Certified Test Report No. LSI 9239
Candlepower distribution curve of 150W HPS
Rectangular Cutoff Floodlight at 20°
vertical tilt.

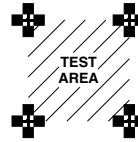


Isofootcandle plot of 150W HPS Cutoff
Floodlight at 15' (4.6 m) mounting height
and 20° vertical tilt.
(Plan view)



Isofootcandle plot of 150W HPS Cutoff
Floodlight at 20' (6.1 m) mounting height
and 20° vertical tilt.
(Plan view)

Pole-spacing Example Data



Test area is centered within a (16) pole layout.

**Average Initial Light Levels at Grade
4 Fixtures per pole**

(Footcandles ÷ 0.0929 = Lux)

Catalog #	Lamp Type	Lamp Lumens	Mounting Height	Max. Recommended Pole-spacing	Footcandles	Lux
LCF4410-D	100W MH	8,100	10' (3.0 m)	50' (15.2 m)	14.26	155
			15' (4.6 m)	75' (22.9 m)	5.24	57
LCF4417-M	175W MH	12,000	15' (4.6 m)	75' (22.9 m)	7.75	85
			20' (6.1 m)	100' (30.5 m)	4.56	49
LCF4510-M	100W HPS	9,500	10' (3.0 m)	50' (15.2 m)	12.37	133
			15' (4.6 m)	75' (22.9 m)	4.43	47
LCF4515-M	150W HPS	16,000	15' (4.6 m)	75' (22.9 m)	7.44	79
			20' (6.1 m)	100' (30.5 m)	4.51	49