

SPEC #	WATTAGE	CATALOG #
PULSE START METAL HALIDE		
	200W PSMH	AC2620-(a)(b)
	250W PSMH	AC2625-(a)(b)
	320W PSMH	AC2632-(a)(b)
	350W PSMH	AC2635-(a)(b)
	400W PSMH	AC2640-(a)(b)
METAL HALIDE		
	175W MH	AC2417-(a)(b)
	250W MH	AC2425-(a)(b)
	400W MH	AC2440-(a)(b)
HIGH PRESSURE SODIUM		
	250W HPS	AC2525-(a)(b)
	400W HPS	AC2540-(a)(b)

(a) VOLTAGE SUFFIX KEY	
M	120/208/240/277V (Standard)
T	120/277/347V (Canada Only) (Standard)
1	120V
2	277V
27	277V Reactor (PSMH Only)
3	208V
4	240V
5	480V
6	347V (Canada Only)

(b) OPTIONS (factory-installed)	
-(a)F	Fusing
-(a)P	Button Photocell
-5P	External Photocell (for 480V)
Q	Quartz Standby (includes 100W quartz lamp) (N/A on 277V Reactor)

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

Specify (a) Single Voltage — See Voltage Suffix Key

Specify (a) Voltage & (b) Options.
 † Reduced envelope ED28 lamp.

GENERAL DESCRIPTION

60° forward throw sharp cutoff luminaire for HID lamp, totally enclosed. Housing is seamless, die-cast aluminum. Mounting consists of a 1.8" (44 mm) wide by 4.5" (114 mm) high by 6" (152 mm) long extruded aluminum arm. The arm is held in place with two 3/8" (9 mm) mounting rods fastened to a steel backing plate inside the pole, and by two nuts inside the fixture housing. Mounting rods are provided with sealing washers to prevent water leakage. Lens assembly consists of rigid aluminum frame and high-impact, clear-tempered glass.

ELECTRICAL

Fixture includes clear, mogul-base lamp; 320 – 400W PSMH and 400W MH utilize the ED28 reduced envelope lamp. Pulse-rated porcelain enclosed, 4kv-rated screw-shell-type lampholder with spring-loaded center contact and lamp grips. Lamp ignitor included where required. All ballast assemblies are high-power factor and use the following circuit type:

- Reactor (277V PSMH)
200 – 400W PSMH
- CWA — Constant Wattage Autotransformer
200 – 400W PSMH; 175 – 400W MH;
250 – 400W HPS

PATENTS

US 4,689,729

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.

LABELS

ANSI lamp wattage label supplied, visible during relamping. UL Listed in US and Canada for wet locations and enclosure classified IP65, per IEC 529 and IEC 598.

ACCESSORIES

- FWG-16 Wire Guard
- SBL-16 Backlight Shield

**AC2-16
SERIES**

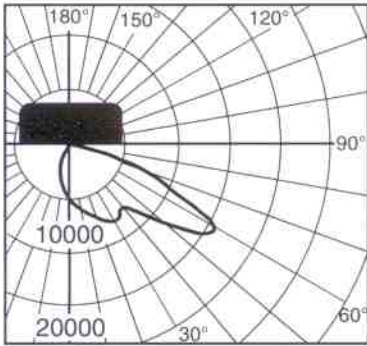
6" EXTENDED POLE MOUNT

16" (406 mm) AREA CUTOFF LIGHT

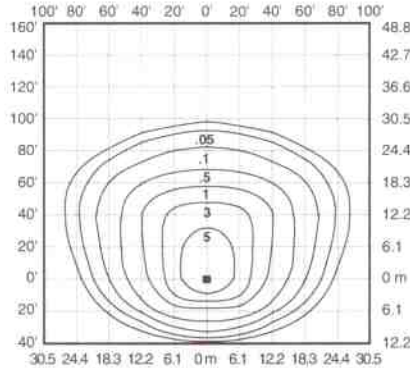
EPA RATING

EPA 0.95 for single fixture with 0° tilt (Consult factory for EPA rating on multiple units).

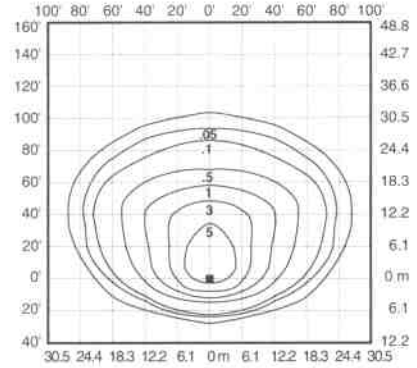
Isofootcandle plots show initial footcandles at grade. (Footcandles ÷ 0.0929 = Lux)



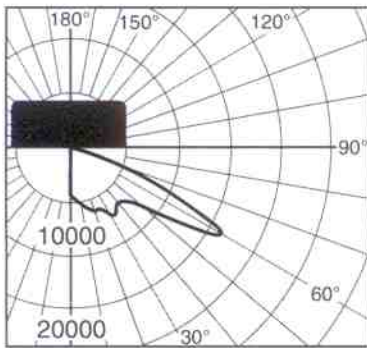
Lighting Sciences Inc.
Certified Test Report No. LSI 10553
Candlepower distribution curve of 400W MH Area Cutoff Light without backlight shield.



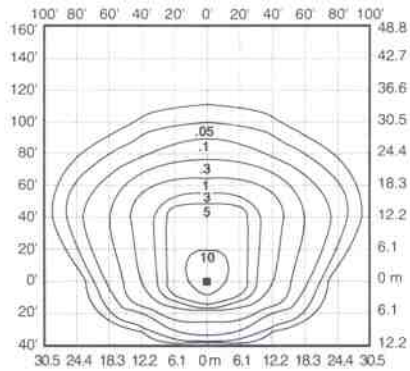
Isofootcandle plot of 400W MH Area Cutoff Light at 25' (7.6 m) mounting height, 0° vertical tilt, with backlight shield removed. (Plan view)



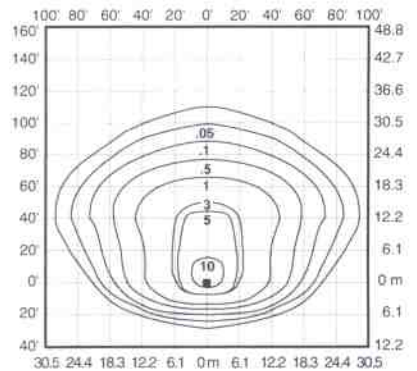
→ Isofootcandle plot of 400W MH Area Cutoff Light at 25' (7.6 m) mounting height, 0° vertical tilt, with backlight shield located for backlight cutoff. (Plan view)



Lighting Sciences Inc.
Certified Test Report No. LSI 10246
Candlepower distribution curve of 250W HPS Area Cutoff Light without backlight shield.

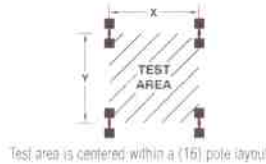


Isofootcandle plot of 400W HPS Area Cutoff Light at 25' (7.6 m) mounting height, 0° vertical tilt, with backlight shield removed. (Plan view)



Isofootcandle plot of 400W HPS Area Cutoff Light at 25' (7.6 m) mounting height, 0° vertical tilt, with backlight shield located for backlight cutoff. (Plan view)

Pole-spacing Example Data



Average Initial Light Levels at Grade
2 Fixtures per pole @ 180°
(Footcandles ÷ 0.0929 = Lux)

Catalog #	Lamp Type	Lamp Lumens	Mounting Height	Max. Recommended Pole-spacing		Footcandles	Lux
				X	Y		
AC2417-M	175W MH	12,000	15' (4.6 m)	60' (18.3 m)	85' (25.9 m)	3.56	38
			20' (6.1 m)	75' (22.9 m)	110' (33.5 m)	2.11	23
AC2425-M	250W MH	20,000	20' (6.1 m)	75' (22.9 m)	110' (33.5 m)	3.51	38
			25' (7.6 m)	95' (29.0 m)	140' (42.7 m)	2.10	23
AC2440-M	400W MH	32,000	25' (7.6 m)	95' (29.0 m)	140' (42.7 m)	3.36	36
			30' (9.1 m)	115' (35.1 m)	165' (50.3 m)	2.29	25
AC2525-M	250W HPS	28,500	20' (6.1 m)	75' (22.9 m)	110' (33.5 m)	4.83	52
			25' (7.6 m)	95' (29.0 m)	140' (42.7 m)	2.89	31
AC2540-M	400W HPS	50,000	25' (7.6 m)	95' (29.0 m)	140' (42.7 m)	5.08	55
			30' (9.1 m)	115' (35.1 m)	165' (50.3 m)	3.37	36



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11/16/05