

DESCRIPTION

The Fail-Safe VR 2000 9" Square Series combines strength-gaining architecture with energy-saving technology. Architecturally angled facets with radius corners actually increase the ability of the lens to deflect blows and absorb impact. Extra thick injection molded polycarbonate lens incorporates optical design that obscures the lamp image and spreads light evenly. U.L. listed and C.S.A. certified for wet locations. Mount on non-combustible surface.

The durable, versatile 9" Square EC/EW is perfect for use in corridors, dormitories, public rest rooms, rapid transit stations, loading docks and minimum security institutions.

SPECIFICATION FEATURES

A ... Lens

One piece injection molded UV stabilized polycarbonate, min. 0.130" thick. All light control prisms & blondels are on the inside surface of the lens, reducing dirt build-up and making cleaning easier.

B ... Fasteners

Four stainless steel TORX® screws with center reject pin. Screw heads are recessed into lens to maximize tamper-resistance. Fasteners are captive in the lens and sealed by means of a neoprene O-ring.

C ... Reflector

16 ga. CRS with white high reflectance polyester powder coat finish.

D ... Housing

Die-cast aluminum with reinforcing ribs on exposed sidewalls. Thickened areas occur at lens junction and at mounting/fastening holes. Four 1/4" dia. fasteners are required for maximum vandal resistance. Four 1/2" NPT entries for surface conduit.

E ... Socket

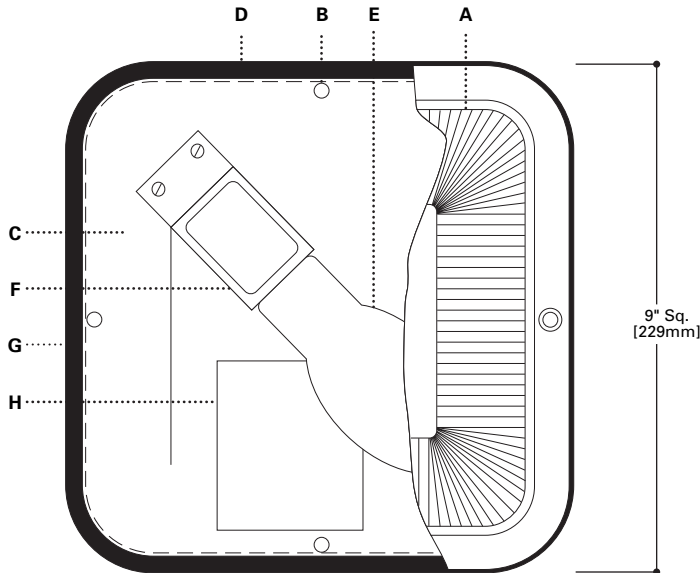
Porcelain medium base socket with nickel-plated brass screw shell. Shock absorbing socket bracket protects lamp from impact.

F ... Gasket

One piece die-cut closed cell silicone mounting gasket seals entire lens and housing.

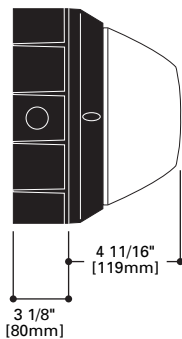
G ... Ballast

Copper-wound NPF or HPF ballast available. Consult ordering information.

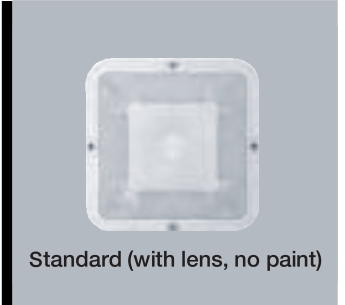


SIDE DIMENSIONS

Deep



Catalog #		Type
Project		
Comments		Date
Prepared by		



**EC
EW
9" SQUARE**

**35W - 100W
High Pressure Sodium
Metal Halide**

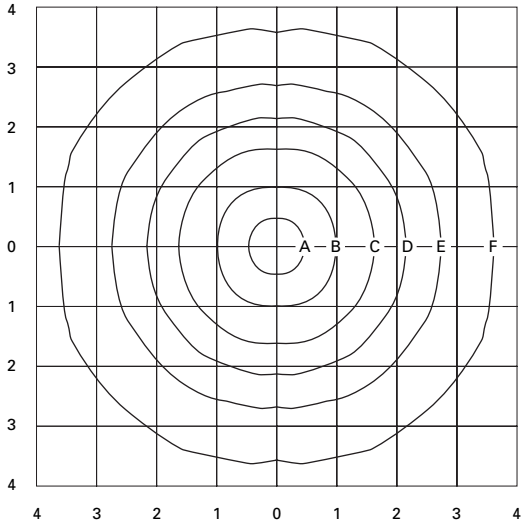
**POLYCARBONATE
9" SQUARE LUMINAIRE
Clear Prismatic or White
Vandal Resistant
Luminaire**

ENERGY DATA

For Energy Management related technical data to support the performance of this fixture series, refer to the ordering information for input wattage.

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Candlepower Distribution



Footcandle Table

Select mounting height and read across for footcandle values of each isofootcandle line.

Mounting Height EC-2	Footcandle Values for Isofootcandle Lines					
	A	B	C	D	E	F
6'	22.50	11.25	4.50	2.25	1.13	0.45
9'	10.00	5.00	2.00	1.00	0.50	0.20
12'	5.63	2.81	1.13	0.56	0.28	0.11

Test No. 766670
HPEC-100N-120V
 Lamp=100W HPS
 Lumens=9500

ORDERING INFORMATION

SAMPLE NUMBER: HPEC-35N-120V

Lamp Type	Product Family	Paint Configuration	Wattage	Ballast	Voltage	Options	Color	Accessories (order separately)
HP =High Pressure Sodium MH =Metal Halide	9" Square Luminaires EC =Clear Prismatic Polycarbonate Lens EW =White Polycarbonate Lens ⁽¹⁾	PP =Perimeter Paint HE =Horizontal Eyelid Paint is optional; Black is standard	35 =35W 50 =50W 70 =70W 100 =100W	N =Normal Power Factor H =High Power Factor	120V 208V 240V 277V 347V 480V MT =Multi-Tap (120, 208, 240, 277V)	F1 =Single Fused F2 =Double Fused LL =Lamp Included Q =Quartz Restrike (Lamp by Others) QS =Quartz Socket Only (Lamp by Others)	Blank =Black (Standard) WHT =White DBZ =Bronze AP =Gray	PB-120V =Photocell Kit PB-277V =Photocell Kit VRSD =V-R Screwdriver for all Lens Screws VRSB =V-R Screwdriver Bit for all Lens Screws

ORDERING MATRIX

LAMP TYPE/ WATTAGE	BALLAST		VOLTAGE			OPTIONS				
	N	H	120	277	MT	F1	F2	LL	Q	QS
MH (METAL HALIDE)										
50=50W (1)	•	•	•	•	5	•	•	•	•	•
70=70W (1)	•	•	•	•	•	•	•	•	•	•
100=100W (1,2,3,4)	•	•	•	•	5	•	•	•	•	•
HP (HIGH PRESSURE SODIUM)										
35=35W (1)	•	•	•	•	-	•	•	•	•	•
50=50W (1)	•	•	•	5	5	•	•	•	•	•
70=70W (1)	•	•	•	•	•	•	•	•	•	•
100=100W (1,2,3,4)	•	•	•	•	•	•	•	•	•	•

Notes:

For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice.

Products also available in non-US voltages and 50Hz for international markets.

1. Supplied from factory with deep casting. 2. Not available with white lens. 3. Ceiling mount only. 4. Not available with HE (horizontal eyelid) option. 5. Only available in HPPF.