

## DESCRIPTION

The Fail-Safe VR 2000 12" 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.

The durable, versatile 12" Square Semi-recessed HC/HW is perfect where H.I.D. lamps are needed but minimum projection from wall/ceiling is desired (wall mount only).

## 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. Screws 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 ... Socket

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

### E ... Lamp

HID lamp by others.

### F ... Recessed Box

16 ga. CRS with white polyester powder coat finish. Adjustable mounting brackets accommodate for wall material thickness.

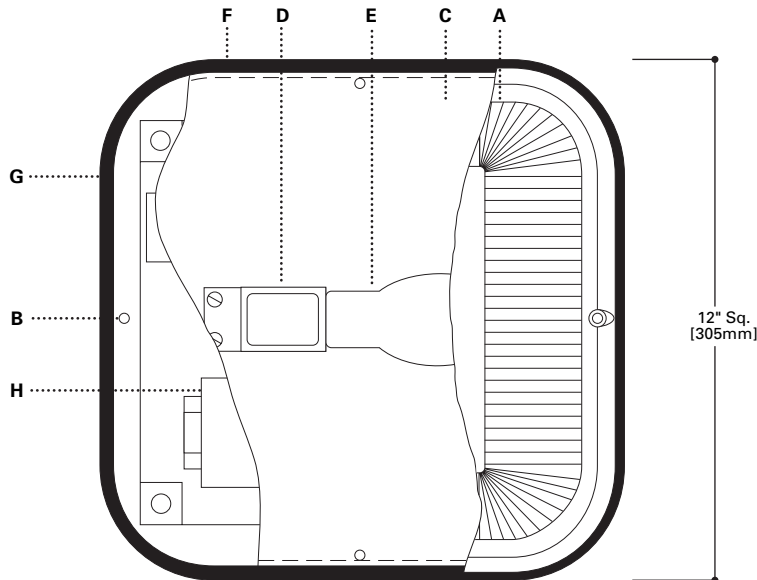
Two back box configurations are available depending on installation; concrete pour (non-combustible) and stud wall (combustible). A quick-connect plug wiring system allows for easy installation. Back box can be shipped separately for early installation.

### G ... Gasket

One piece die-cut closed cell silicone mounting gaskets seal entire lens and housing.

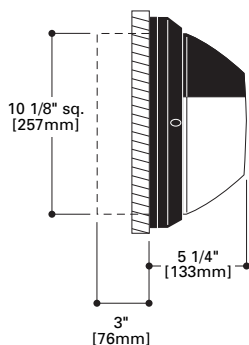
### H ... Ballast

Copper wound HPF ballast are standard. Consult ordering information.



## SIDE DIMENSIONS

### Recessed Box



Standard (with lens, no paint)



PP=Perimeter Paint



HE=Horizontal Eyelid

## HC-HE, HW-HE HORIZONTAL EYELID

### 50W - 100W

High Pressure Sodium  
Metal Halide

POLYCARBONATE  
12" SQUARE SEMI-  
RECESSED LUMINAIRE  
Clear Prismatic or White  
Perimeter Paint or  
Horizontal Eyelid  
Vandal Resistant  
Luminaire

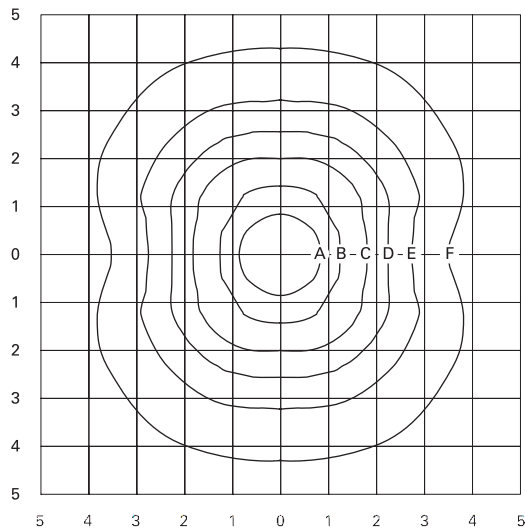
## ENERGY DATA

For Energy Management related technical data, refer to the ordering information for input wattage.

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**Specifications and Dimensions subject to change without notice.**  
Consult your representative for additional options and finishes.

## Candlepower Distribution



Test No. 766618

**HPHC-BB-100H-120V**

Lamp=100W HPS

Lumens=16000

## Footcandle Table

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

Mounting Height HC-1	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

## REGRESSED HOUSING MOUNTING AND ADVANCED ORDERING INFORMATION

## REGRESSED SAMPLE NUMBER

**HPHC-BB-PP-70H-120V = HPHC-LH-BB-PP-70H-120V + HC/BB**

*Complete Unit*

**BB=Combustible Material Application**  
**CP=Brick or Concrete Pour**

**LH=Less Regressed Housing**

The following regressed housings may be ordered in advance

**HC/BB=For Combustible (Studwall) Applications**

**HC/CP=For Non-Combustible (Brick, Concrete-Pour) Applications**

## ORDERING INFORMATION

SAMPLE NUMBER: HPHC-BB-50H-120V<sup>(3)</sup>

Lamp Type	Product Family	Back Box <sup>(1)</sup>	Paint Configuration	Wattage	Ballast	Voltage	Options	Color	Accessories (order separately)
HP=High Pressure Sodium MH=Metal Halide	HC=12" Semi-Recessed, Clear Prismatic Polycarbonate Lens HW=12" Semi-Recessed, White Polycarbonate Lens	BB=Standard Back Box CP=Concrete Pour Back Box	PP=Perimeter Paint HE=Horizontal Eyelid (Paint is optional; Black is Standard)	50=50W 70=70W 100=100W	H=High Power Factor N=Normal Power Factor	120=120V 277=277V	F1=Single Fused F2=Double Fused LL=Lamp Included Q=Quartz Restrike (Lamp by Others)	Blank=Black (Standard) WHT=White DBZ=Bronze AP=Gray QS=Quartz Socket Only (Lamp by Others)	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
<b>MH</b> (METAL HALIDE)										
50=50W (1)	*	*	*	*	2	*	*	*	*	*
70=70W (1)	*	*	*	*	*	*	*	*	*	*
100=100W (1)	*	*	*	*	*	*	*	*	*	*
<b>HP</b> (HIGH PRESSURE SODIUM)										
35=35W (1)	*	*	*	*	-	*	*	*	*	*
50=50W (1)	*	*	*	2	*	*	*	*	*	*
70=70W (1)	*	*	*	*	*	*	*	*	*	*
100=100W (1)	*	*	*	*	*	*	*	*	*	*

## 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. Fixtures are semi-recessed. Must specify BB for combustible material application or CP for concrete pour application. 2. Only available as HFP.