

## OVX DROP PRISMATIC REFRACTOR

50-400W  
MH/HPS/MERCURY

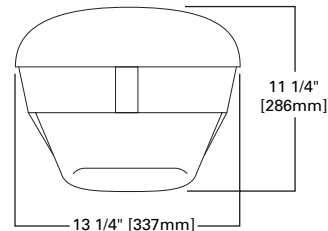
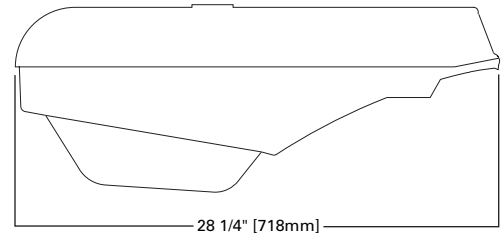
ROADWAY LUMINAIRE



STREETWORKS™



NOTE: In flat glass applications only.



## HOUSING

Die-cast aluminum housing and latch. Standard grey polyester powder coat finish. Other finish colors available. Consult your Streetworks Representative. Optional NEMA twistlock photocontrol receptacle also available.

## REFLECTOR

The optical system is a hydroformed anodized aluminum reflector with a Dacron polyester filter.

## DOOR

Die-cast aluminum door frame with integral hinges for hands free installation, relamping and maintenance. ANSI wattage/source label.

## LENS

Removable prismatic refractor for use with High Pressure Sodium, Metal Halide and Mercury lamp sources.

## SOCKET

Adjustable mogul-base porcelain socket.

## BALLAST ASSEMBLY

Hard mounted ballast with encapsulated starter for protection from environmental abuse. Standard two position tunnel type compression terminal block. Optional swing-down ballast bridge also available (up to 250W).

## MOUNTING

Two-bolt/one bracket slipfitter with cast-in pipe stop and leveling steps. Fixed-in-place birdguard seals around 1 1/4" or 2" mounting arms.

## EPA:

Effective Projective Area: .87

## SHIPPING DATA

Approximate Net Weight:  
35 lbs. (16 kgs.)

## ORDERING INFORMATION

SAMPLE NUMBER: OVX40SWW3E4

PRODUCT FAMILY	LAMP WATTAGE	LAMP TYPE <sup>2</sup>	BALLAST TYPE <sup>2</sup>	VOLTAGE <sup>2</sup>	DISTRIBUTION <sup>4</sup>	CUTOFF <sup>4</sup>	OPTIONS + ACCESSORIES (See Below)
OVX	50=50W 70=70W 10=100W 15=150W <sup>1</sup> 17=175W 20=200W 25=250W 24=250/400W wired 250W 40=400W 42=400/250W wired 400W	S=High Pressure Sodium V=Mercury M=Metal Halide	C=CWI H=Reac./HPF K=10KV CWA <sup>3</sup> M=Mag. Reg. N=Hi. Reac./NPF P=Hi. Reac./HPF R=Reac./NPF W=CWA	2=120V 0=208V 4=240V 7=277V 8=480V F=120/240 wired 120V P=240 w/PCR wired 120V W=Multi-Tap wired 120V N=Multi-Tap wired 277V	2=Type II 3=Type III	D=MCO E=MSCO	

OPTIONS + ACCESSORIES [Must be listed in the order shown and separated by a dash]

OPTIONS (add as suffix)

1=Single Fuse, Internally Mounted (120 or 277V)  
2=Double Fuse, Internally Mounted (208, 240, or 480V)  
4=Photocontrol Receptacle  
WH=White  
BK=Black  
BZ=Bronze  
E=150W/100V/HPS Ballast  
F=Flat Glass (available only in MCO)  
G=Borosilicate Glass Refractor (175W & below) <sup>5</sup>  
H=Plug-in Starter Receptacle  
K=Level Indicator  
M=MOV Lightning Surge Protector <sup>6</sup>  
P=Polycarbonate Refractor (250W Max.)  
T=Swing-down Ballast Bridge <sup>7</sup>  
U=UL/CSA Listed

ACCESSORIES (order separately)

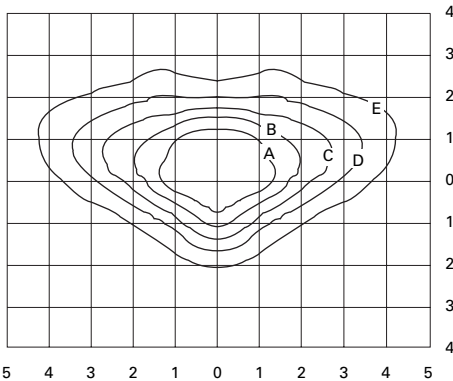
RA1001=Cutoff Visor  
OA/RA1013=Photocontrol Shorting Cap  
OA/RA1014=120V Photocontrol  
OA/RA1016=105V-285V Photocontrol  
OA/RA1027=480V Photocontrol  
OA1028=Field Installed PCR Kit  
OA1217=TufGuard Vandal Shield

OPTIONAL COLORS [Standard color is grey, other finish colors available. Consult your Cooper Lighting representative]

		
WH White	BK Black	BZ Bronze

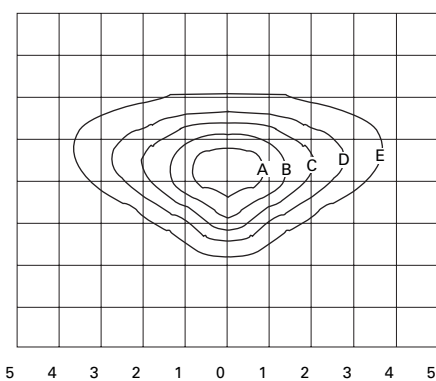
NOTE: 1 150W units are for S55 lamp. 2 Refer to technical section for lamp/ballast/voltage compatibility. 3 Available in 120/240V dual voltage or single voltage only for 50-150W. 4 Other distributions & cutoffs available. Consult your Streetworks Representative. 5 Acrylic is standard on units 50W through 150W HPS and 175W mercury. Glass standard for 200-250W. 6 MOV option is not available for any system requiring a three position terminal block (Example—240V with PCR with wired 120V). In order for MOV option to function center terminal of three position terminal block must be connected to "Earth" ground. 7 Not available on 250W Mag. Reg. or 400W units.

PHOTOMETRICS [Complete IES files available at www.cooperlighting.com]



**OVX40S3E.IES**

400-Watt HPS  
50,000-Lumen Clear Lamp  
Type III-Medium Semi-Cutoff



**OVX25S2E.IES**

250-Watt HPS  
27,500-Lumen Clear Lamp  
Type II-Medium Semi-Cutoff

**FOOTCANDLE TABLE**

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

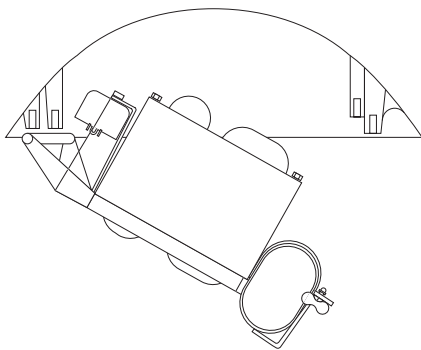
Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
<b>OVX40S3E.IES</b>					
25'	3.92	1.96	0.98	0.49	0.20
30'	2.72	1.36	0.68	0.34	0.14
<b>35'</b>	<b>2.00</b>	<b>1.00</b>	<b>0.50</b>	<b>0.25</b>	<b>0.10</b>
40'	1.52	0.76	0.38	0.19	0.08
<b>OVX25S2E.IES</b>					
25'	3.92	1.96	0.98	0.49	0.20
30'	2.72	1.36	0.68	0.34	0.14
<b>35'</b>	<b>2.00</b>	<b>1.00</b>	<b>0.50</b>	<b>0.25</b>	<b>0.10</b>
40'	1.52	0.76	0.38	0.19	0.08

PHOTOMETRIC DISTRIBUTION [Curve Number]

Wattage	Light Source <sup>1</sup>	Lens Type <sup>2</sup>	II MSCO	III MSCO	II MCO	III MCO	II 4 WAY
50-150	HPS (ED23 1/2)	Acrylic	N/A	OVX15S3E (150W)	N/A	N/A	N/A
50-150	HPS (ED23 1/2)	Glass	OVX15S2EG (150W)	OVX15S3EG (150W)	OVX10S2DF (100W)	OVX15S3DF (150W)	N/A
200-400	HPS (ED-18)	Glass	OVX25S2EG (250W)	OVX25S3EG (250W)	OVX25S2DF (250W)	OVX25S3DF (250W)	OVX25S7E (250W)
175	MV/MH (ED-28)	Acrylic	OVX17M2E (175W)	OVX17M3E (175W)	N/A (175W)	N/A	N/A
175-250	MV/MH (ED-28)	Glass	N/A	OVX17M3EG (175W)	N/A (175W)	N/A	N/A
250-400	MH (ED-28)	Glass	N/A	OVX40M3EG (400W)	OVX40M2DG (400W)	N/A	N/A

NOTE: 1 All light sources are clear unless noted otherwise. 2 Prismatic refractor.

SWING-DOWN BALLAST MODULE



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