

DESCRIPTION

The OVX Drop Prismatic Refractor roadway luminaire is ideal for roadways, parking areas, residential neighborhoods and bridge structures. Suitable for 3G vibration conditions.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

HOUSING: Die-cast aluminum housing and latch. 3G vibration rated. **DOOR:** Die-cast aluminum door frame with integral hinges for hands free installation, relamping and maintenance. ANSI wattage/ source label.

Optical

LENS: Removable prismatic refractor for use with High Pressure Sodium, Metal Halide and Pulse Start Metal Halide lamp sources. **REFLECTOR:** The optical system is a hydroformed anodized aluminum reflector with a Dacron polyester filter.

Electrical

SOCKET: Adjustable mogul-base porcelain socket. 150W Metal Halide and below is medium-base. **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). **PHOTOCONTROL:** Optional NEMA twistlock photocontrol receptacle also available.

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. (Birdguard not needed for 2" arm.)

Finish

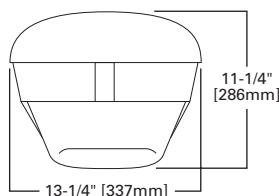
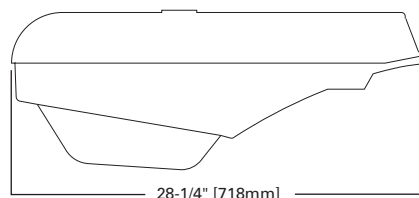
Standard grey polyester powder coat finish. Optional bronze, black and white finishes available.



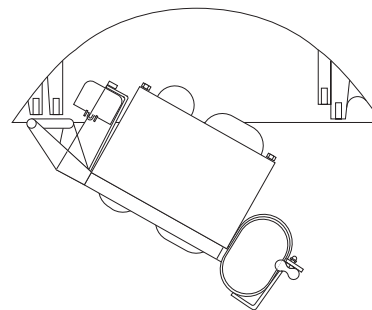
OVX DROP PRISMATIC REFRACTOR

50 - 400W
Pulse Start Metal Halide
High Pressure Sodium
Metal Halide
ROADWAY LUMINAIRE

DIMENSIONS



SWING-DOWN BALLAST MODULE



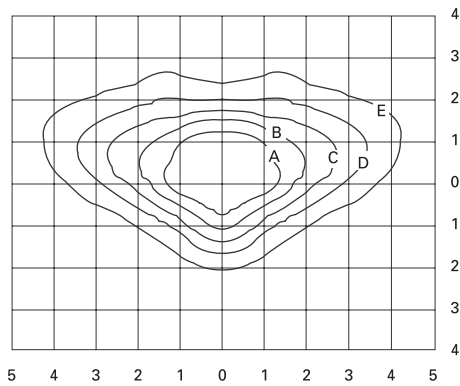
EPA

Effective Projected Area:
.87 Square Feet

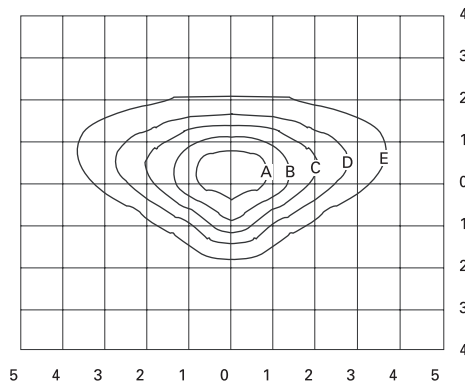
SHIPPING DATA

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

PHOTOMETRICS (COMPLETE IES FILES AVAILABLE AT EATON.COM/LIGHTING)



OVX40SWW3E
400—Watt HPS
50,000—Lumen Clear Lamp
Type III-Medium Semi-Cutoff



OVX25SWW2E
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
OVX40SWW3E / OVX25SWW3E					
25'	3.80	1.90	0.95	0.38	0.19
30'	2.80	1.40	0.70	0.28	0.14
35'	2.00	1.00	0.50	0.20	0.10
40'	1.54	0.77	0.39	0.15	0.08

PHOTOMETRIC DISTRIBUTION (CURVE NUMBER)

Wattage	Light Source ¹	Lens Type ²	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	MH (ED-28)	Acrylic	OVX17M2E (175W)	OVX17M3E (175W)	N/A	N/A	N/A
175-250	MH (ED-28)	Glass	N/A	OVX17M3EG (175W)	N/A	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.

ORDERING INFORMATION

Sample Number: OVX40SWW3E4

Product Family ¹	Lamp Wattage	Lamp Type	Ballast Type	Voltage	Distribution ⁵	Optical Package ⁵
OVX=Drop Prismatic Refractor	Pulse Start Metal Halide 70=70W 10=100W 15=150W 17=175W 20=200W 25=250W 40=400W High Pressure Sodium 50=50W 70=70W 10=100W 15=150W ² 20=200W 25=250W 40=400W 24=250/400W wired 250W 42=400/250W wired 400W M (Probe Start) ³ 17=175W 25=250W 40=400W	P=Pulse Start Metal Halide S=High Pressure Sodium M=Metal Halide	C=CWI H=Reac. /HPF K=10KV CWA ⁴ N=Hi.Reac./NPF P=Hi. Reac./HPF R=Hi.Reac./NPF W=CWA M=Mag. Reg.	2=120V 0=208V 4=240V 7=277V 8=480V 9=347V F=120/240V, wired 120V W=Multi-Tap, wired 120V P=240V with PCR, wired 120V N=Multi-Tap, wired 277V	2=Type II 3=Type III	D=MCO E=MSCO
Options				Accessories		
CEC=California Title 20 Compliant Ballast (Applies to 175-250W and 400W Pulse Start MH only) 1=Single Fuse (120, 277 or 347V) 2=Double Fuse (208, 240 or 480V) 4=NEMA Photocontrol Receptacle P=Polycarbonate Refractor G=Glass Refractor WH=White BK=Black BZ=Bronze				OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1014=NEMA Photocontrol - 120V RA1001=Cutoff Visor OA1217=TufGuard Vandal Shield OA/RA1013=Photocontrol Shorting Cap		

NOTES:

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
- 150W Units are for S55 Lamps.
- Probe Start Metal Halide available for non-US markets only (175-400W).
- Available in 120/240V dual voltage or single voltage only (120,208,240,277, or 480) 50-150W.
- Other distributions and cutoffs available. Consult your lighting representative at Eaton for more information.
- MOV option not available for any system requiring a three position terminal block (example - 240V with PCR wired 120V). In order for MOV option to function center terminal of three position terminal block must be connected to "Earth" ground.