

DESCRIPTION

The OVZ Drop Lens 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 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. **BALLAST ASSEMBLY:** Hard mounted ballast with encapsulated starter for protection from environmental abuse. Standard two position tunnel type compression terminal block. Three position available. Consult your Streetworks Representative. **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.

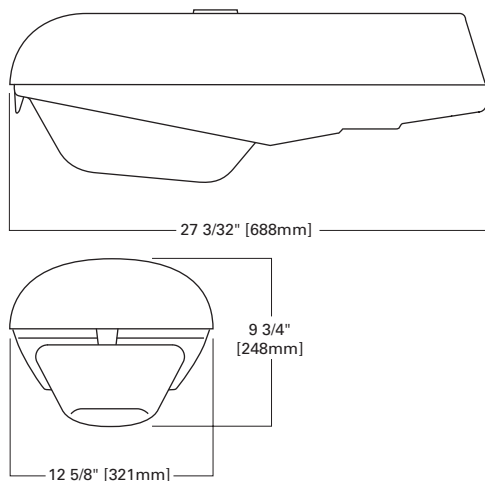
Efficiency Standards Notice
Select luminaires are manufactured to USA and California efficiency regulations.



OVZ DROP LENS REFRACTOR

250W
Pulse Start Metal Halide
50 - 250W
High Pressure Sodium
ROADWAY LUMINAIRE

DIMENSIONS

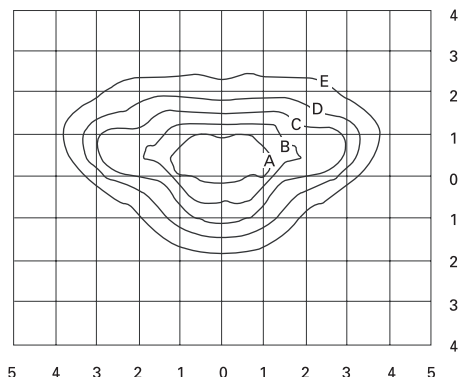


EPA
Effective Projected Area:
.85 Square Feet

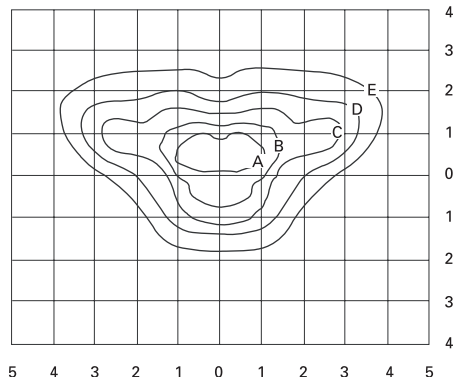
SHIPPING DATA
Approximate Net Weight:
31 lbs. (14 kgs.)



PHOTOMETRICS (COMPLETE IES FILES AVAILABLE AT COOPERLIGHTING.COM)



OVZ15SWW2E
150—Watt HPS
16,000—Lumen Clear Lamp
Type II-Medium Semi-Cutoff



OVZ15SWW3E
150—Watt HPS
16,000—Lumen Clear Lamp
Type III-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
OVZ15SWW2E / OVZ15SWW3E					
20'	3.20	1.60	0.80	0.32	0.16
25'	2.00	1.00	0.50	0.20	0.10
30'	1.38	0.69	0.35	0.14	0.07
35'	1.02	0.51	0.26	0.10	0.05

PHOTOMETRIC DISTRIBUTION (CURVE NUMBER)

Wattage	Light Source ¹	Lens Type ²	II MSCO	III MSCO	II MCO	II 4-Way
50-150	HPS (ED23 1/2)	Acrylic	OVZ15S2E (150W)	OVZ15S3E (150W)	N/A	N/A
50-150	HPS (ED23 1/2)	Glass	OVZ15S2EG (150W)	OVZ15S3EG (150W)	N/A	OVZ15S7EG (150W)
200-250	HPS (ED-18)	Glass	OVZ25S2EG (250W)	OVZ25S3EG (250W)	N/A	OVZ25S7EG (250W)
250	MP (ED-28)	Glass	N/A	OVZ17P3EG (175W)	OVZ17P2DG (175W)	N/A

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

ORDERING INFORMATION

Sample Number: OVZ25SWW3D

Product Family ¹	Lamp Wattage	Lamp Type ³	Ballast Type ³	Voltage ³	Distribution ⁶	Optical Package ⁶
OVZ=Drop Lens Refractor	Pulse Start Metal Halide 25=250W High Pressure Sodium 50=50W 70=70W 10=100W 15=150W ² 20=200W 25=250W	P=Pulse Start Metal Halide S=High Pressure Sodium	C=CWI H=Reac./HPF K=10KV CWA ⁴ N=Hi. Reac./NPF P=Hi. Reac./HPF R=Reac./NPF W=CWA ⁵ 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 w/PCR, wired 120V V=Multi-Tap, wired 240V N=Multi-Tap, wired 277V	2=Type II 3=Type III	D=MCO E=MSCO
Options (Add as Suffix)					Accessories (Order Separately)	
1=Single Fuse (120, 277 or 347V) 2=Double Fuse (208, 240 or 480V) 4=NEMA Photocontrol Receptacle P=Polycarbonate Refractor G=Glass Refractor A=Raw Aluminum Unfinished WH=White BK=Black BZ=Bronze E=150/100V HPS Ballast H=Plug in Starter Receptacle L=Lamp Included F=Flat Glass K=Level Indicator M=MOV Lightning Surge Protectors ⁷ U=U.L./CSA Listed 3=Three Position Terminal Block					OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1014=NEMA Photocontrol - 120V RA1001=Cutoff Visor OA1216=TufGuard Vandal Shield OA/RA1013=Photocontrol Shorting Cap	

NOTES:

1. 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.

2. 150W Units are for S55 Lamps.

3. Consult an Cooper Lighting Solutions representative for lamp/ballast type/voltage compatibility

4. Available 50-150W, 120/240V or single voltage only.

5. Pulse start metal halide EISA compliant constant wattage autotransformer (CWA) ballasts are available in 250 watts only.

6. Other distributions and cutoffs available. Consult your lighting representative at Cooper Lighting Solutions for more information.

7. 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.