

## 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.

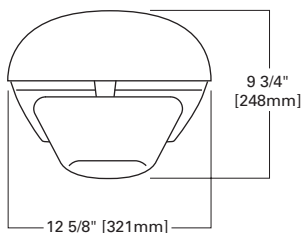
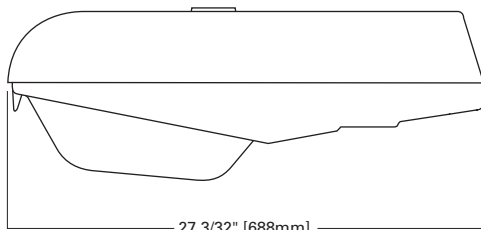
**Efficiency Standards Notice**  
Select luminaires are manufactured to USA and California efficiency regulations.



## OVZ DROP LENS REFRACTOR

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

## DIMENSIONS

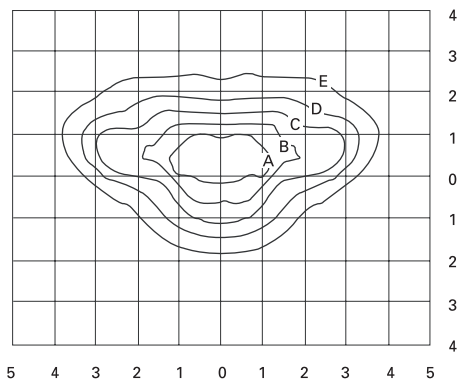


**EPA**  
Effective Projected Area:  
.85 Square Feet

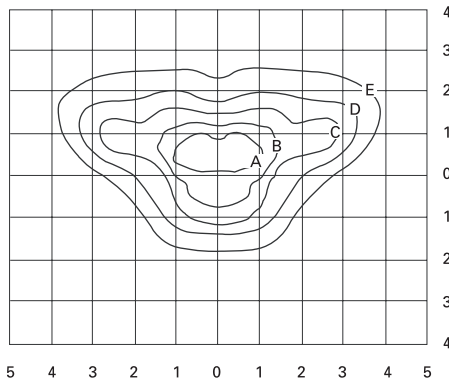
**SHIPPING DATA**  
Approximate Net Weight:  
31 lbs. (14 kgs.)



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
<b>OVZ15SWW2E / OVZ15SWW3E</b>					
20'	3.20	1.60	0.80	0.32	0.16
<b>25'</b>	<b>2.00</b>	<b>1.00</b>	<b>0.50</b>	<b>0.20</b>	<b>0.10</b>
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 <sup>1</sup>	Lens Type <sup>2</sup>	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 <sup>1</sup>	Lamp Wattage	Lamp Type <sup>3</sup>	Ballast Type <sup>3</sup>	Voltage <sup>3</sup>	Distribution <sup>6</sup>	Optical Package <sup>6</sup>
OVZ=Drop Lens Refractor	<b>Pulse Start Metal Halide</b> 25=250W  <b>High Pressure Sodium</b> 50=50W 70=70W 10=100W 15=150W <sup>2</sup> 20=200W 25=250W	P=Pulse Start Metal Halide S=High Pressure Sodium	C=CWI H=Reac./HPF K=10KV CWA <sup>4</sup> N=Hi. Reac./NPF P=Hi. Reac./HPF R=Reac./NPF W=CWA <sup>5</sup> 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
<b>Options (Add as Suffix)</b>					<b>Accessories (Order Separately)</b>	
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 <sup>7</sup> 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:
- 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.
  - Consult an Cooper Lighting Solutions representative for lamp/ballast type/voltage compatibility
  - Available 50-150W, 120/240V or single voltage only.
  - Pulse start metal halide EISA compliant constant wattage autotransformer (CWA) ballasts are available in 250 watts only.
  - Other distributions and cutoffs available. Consult your lighting representative at Cooper Lighting Solutions 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.