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|-------------|--|-----------|--|------|--|
| Project | | Catalog # | | Type | |
| Prepared by | | Notes | | Date | |



Streetworks

OVX Drop Prismatic Refractor

Roadway Luminaire

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Product Certifications



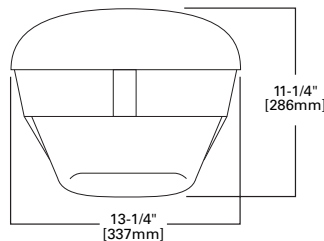
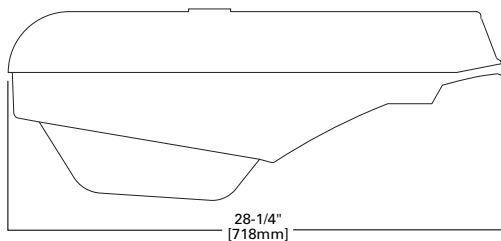
Quick Facts

- Die-cast aluminum housing, door and two-position latch
- Integral hinges for hands-free maintenance
- Adjustable mogul-base porcelain socket
- Hydroformed anodized aluminum reflector
- Acrylic, polycarbonate, glass refractor or flat glass lens
- Available in Type II and Type III optical distributions
- Two-bolt/one clamp slipfitter fits 1-1/4" or 2" mast arm
- Optional swing-down ballast module
- Optional NEMA twistlock photocontrol receptacle

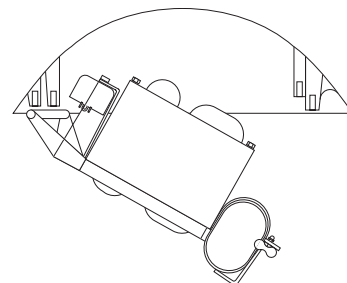
Connected Systems

- WaveLinx
- Telensa

Dimensional Details



Swing-down ballast module



Ordering Information

SAMPLE ORDER NUMBER: **OVX40SWW3E4**

| Product Family ¹ | Lamp Wattage | | Lamp Type ³ | Ballast Type ³ | Voltage ³ | Distribution ⁶ | Optical Package ⁶ |
|---|---|--|--|--|---|---|------------------------------|
| OVX=Drop Prismatic Reflector | Pulse Start Metal Halide 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 | 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 with PCR, wired 120V N= Multi-Tap, wired 277V | 2= Type II 3= Type III | 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 WH= White BK= Black BZ= Bronze | | A= Raw Aluminum Unfr nished E= 150/100V HPS Ballast H= Plug-in Starter Receptacle F= Flat Glass K= Level Indicator M= MOV Lighting Surge Protectors ⁷ T= Swing-down Ballast Bridge 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 OA1217= 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 WPS13001EN 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 in 120/240V dual voltage or single voltage only (120,208,240,277, or 480) 50-150W. 5. Pulse start metal halide EISA compliant constant wattage autotransformer (CWA) ballasts are available in 200 and 400 watts. 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. | | | | | | | |

Product Specifications

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 mogulbase 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). **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.)

Shipping Data & EPA

- Approximate Net Wt: 35 lbs. (16 kgs.)
- Effective Projected Area: (Sq. Ft.) 0.87

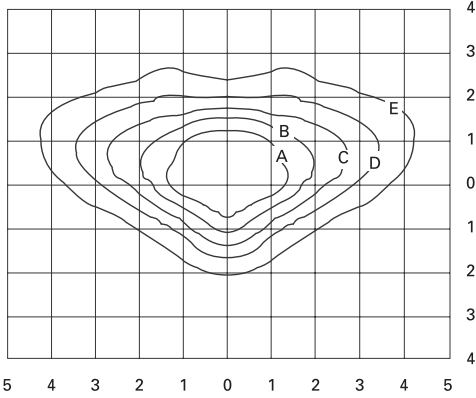
Finish

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

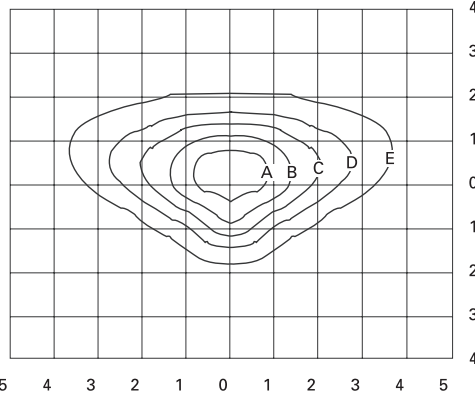
Efficiency Standards Notice

Select luminaires are manufactured to USA and California efficiency regulations.

Photometric Data



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 |

[View OVX Drop IES files](#)

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 | N/A | OVX15S3E (150W) | N/A | N/A |
| 50-150 | HPS (ED23 1/2) | Glass | OVX15S2EG (150W) | OVX15S3EG (150W) | OVX10S2DF (100W) | N/A |
| 200-400 | HPS (ED-18) | Glass | OVX25S2EG (250W) | OVX25S3EG (250W) | OVX25S2DF (250W) | OVX25S7E (250W) |
| 200-250 | MP (ED-28) | Glass | N/A | OVX17P3EG (175W) | N/A | N/A |
| 250-400 | MP (ED-28) | Glass | N/A | OVX40P3EG (400W) | OVX40P2DG (400W) | N/A |

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