# OAL3
LED Area Light

Project

Catalog

Type

Date

## Product Description

The OAL3 LED Area Light delivers high efficiency with maximum energy savings and advanced controls to suit a variety of applications. Its robust, low-profile housing is comprised of die-cast aluminum and has a modern, single piece design that will blend into most environments. Quick to install, the OAL3 is a versatile fixture with field interchangeable precision lenses in Type II, III, IV and V distributions. The OAL3 is available in Wattage selectable 150/120/100W and 300/240/200W models with selectable CCT (3K/4K/5K) and is ideal for use in parking lots, roadways, recreational or public venues, walkways, auto dealerships, campuses, and other commercial environments.

**Construction**
- Heavy duty die-cast construction with single piece housing
- Low profile 3" design provides low wind resistance
- UV stabilized powder coat finish
- Stainless steel hardware and electrical SJ cord connection
- Latched and hinged driver compartment
- Latched and hinged optical chamber
- Injection molded silicone gaskets on all hinged areas.

**Optical System**
- Field swappable, high impact polycarbonate lenses
- Type III distribution standard
- Type II, IV and V distributions optional
- Selectable CCT of 3000/4000/5000K on 150W and 300W models
- Single CCT of 5000K on 200W model
- Standard 80 CRI to improve safety and color definition in public places
- See BUG Rating on the Performance Data Table

**Electrical**
- Wattage selectable 150/120/100W and 300/240/200W
- Input voltage of 120-277VAC or 277-480VAC
- Surge protection 10kA on 120-277VAC and 20kA on 277-480VAC provides single phase protection for line/neutral, line/ground and neutral/ground in accordance with IEEE C62.41 2002 C High category
- Operating temperature rating of -40° to 113°F (-40°C to 45°C)

**Controls**
- 3-pin receptacle with shunt standard
- Optional 7 pin receptacle and shunt available
- Optional PIR or Microwave motion sensor accessories available ("S" option required)
- 12V output allows for control of most standard low voltage sensors
- Standard full-range dimming with 0-10VDC dimmers

**Mounting and installation**
- Fixture mounts to arms via unique dove tail system for easy installation
- Mounting arms available for a variety of installations. All mounting arms are die-cast aluminum and available in Bronze, White or custom color
- Adjustable Pole Mount Arm provides up to 180° of adjustability and mounts to round or square poles
- Slipfitter Mount Adaptor installs directly to a nominal 2.5" tenon
- Straight Mount Arm mounts to a round or square pole
- Trunnion Mounting Arm easily mounts to a variety of surfaces
- Wall Mount Box allows for wall mounting in tandem with the Straight Arm or Pole Mount Arm

**Listings**
- cULus1598 Listed for Wet locations
- RoHS Compliant
- IP65 Rated
- DLC 5.1 Premium Listed
- Vibration rated to 3G per ANSI/IEEE C136.31-2010
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- TM-21 Reported L70(9k) life >50,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

**Warranty**
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)


# OAL3
## LED Area Light
Single and Selectable Wattage
Single and Selectable CCT

CERTIFIED · DLC LISTED PREMIUM · WET LOCATION RATED · IP65 · 5 YEAR WARRANTY

# Ordering

## Ordering Information

*Example: OAL3150SUNVSBZ3*

| Series | Version | Wattage | Voltage | CCTs | Finish | Optic | Daylight Sensor Socket | Motion Sensor Socket |
|---|---|---|---|---|---|---|---|---|
| **OAL** | **3** | ☐ **150S** | ☐ **UNV** (120-277 VAC) | ☐ **S** (3000/4000/5000K) | ☐ **BZ** (Bronze) | ☐ **2** (Type II) | ☐ _ (3 Pin Receptacle & Shunt) | ☐ _ *(None)* |
| | | ☐ **200**[1] | ☐ **HV** (277-480 VAC)[4] | ☐ **5K** (5000K)[2] | ☐ **WH** (White) | ☐ **3** (Type III) | ☐ **7** (7 Pin Receptacle & Shunt) [3] | ☐ **S** *(12V 3.5mm Socket)* |
| | | ☐ **300S** | | | ☐ **CC** (Custom)[3] | ☐ **4** (Type IV) | | |
| | | | | | | ☐ **5** (Type V) | | |

*Specifications and dimensions subject to change without notice.*
*1) 200W is single wattage only*
*2) 200W available in 5000K standard. Call factory for other CCT options.*
*3) Contact factory for MOQ and lead time.*
*4) HV option is only available for selectable wattages.*

## Mounting Accessories

*accessories sold separately*

| | |
|---|---|
| Bronze Adjustable Pole Mounting Arm | ☐ **OAL3JPOLEJARMBZ** |
| White Adjustable Pole Mounting Arm | ☐ **OAL3JPOLEJARMWH** |
| Bronze 2" Diameter Slipfitter Adapter | ☐ **OAL3SLIPFITARMBZ** |
| White 2" Diameter Slipfitter Adapter | ☐ **OAL3SLIPFITARMWH** |
| Bronze 6" Straight Mounting Arm | ☐ **OAL3STRAIGHTARMBZ** |
| White 6" Straight Mounting Arm | ☐ **OAL3STRAIGHTARMWH** |
| Bronze 4" Trunnion Mounting Arm | ☐ **OAL3TRUNIONBZ** |
| White 4" Trunnion Mounting Arm | ☐ **OAL3TRUNIONWH** |
| Bronze Wall Mount Box[4] | ☐ **OAL3WALLBOXBZ** |
| White Wall Mount Box[4] | ☐ **OAL3WALLBOXWH** |

*Accessories are subject to change without notice.*
*4) The Wall Box accessory requires one of the following mounting arms:*
*OAL3STRAIGHTARMXX or OAL3JPOLEJARMXX*

## Optic Lens Accessories[5]

| | |
|---|---|
| Type II Optic Lens for OAL3 100W-200W | ☐ **OAL3100-200LENST2** |
| Type IV Optic Lens for OAL3 100W-200W | ☐ **OAL3100-200LENST4** |
| Type V Optic Lens for OAL3 100W-200W | ☐ **OAL3100-200LENST5** |
| Type II Optic Lens for OAL3 300W | ☐ **OAL3300LENST2** |
| Type IV Optic Lens for OAL3 300W | ☐ **OAL3300LENST4** |
| Type V Optic Lens for OAL3 300W | ☐ **OAL3300LENST5** |

*Accessories are subject to change without notice.*
*5) Optic lenses Type II, Type IV, Type V can also be field installed.*

## Shield Accessories

| | |
|---|---|
| Glare Shield :**100/150/200W** Bronze Finish | ☐ **OAL3100-200SHIELDBZ** |
| Glare Shield :**100/150/200W** White Finish | ☐ **OAL3100-200SHIELDWH** |
| Glare Shield : **300W** Bronze Finish | ☐ **OAL3300SHIELDBZ** |
| Glare Shield : **300W** White Finish | ☐ **OAL3300SHIELDWH** |

## Daylight Sensor Accessories

| | |
|---|---|
| Standard Voltage 3-Pin photocell (120-277 VAC) | ☐ **OAL-PHOTOCELL** |

## Motion Sensor Accessories[6]

| | |
|---|---|
| Passive Infrared Motion Sensor | ☐ **H12VSENSORPIR** |
| Microwave Motion Sensor | ☐ **H12VSENSORMW** |
| Remote Control for Sensors | ☐ **H12VREMOTE** |

*Accessories are subject to change without notice.*
*6) Motion sensors for use on socket enabled ("S") fixtures only*

## Performance Data

| Performance Data | | | | Type II Optic | | | Type III Optic | | |
|---|---|---|---|---|---|---|---|---|---|
| Model | Watts Setting | CCT | Wattage | Lumens | Efficiency | BUG Rating | Lumens | Efficiency | BUG Rating |
| OAL3150S | 100 | 3000 | 100 | 12649 | 126.5 | B3-U0-G3 | 12633 | 126.3 | B3-U0-G3 |
| | | 4000 | | 13889 | 138.9 | | 13871 | 138.7 | |
| | | 5000 | | 13345 | 133.4 | | 13328 | 133.3 | |
| | 120 | 3000 | 120 | 15177 | 126.5 | | 15158 | 126.3 | |
| | | 4000 | | 16664 | 138.9 | | 16643 | 138.7 | |
| | | 5000 | | 16012 | 133.4 | | 15991 | 133.3 | |
| | 150 | 3000 | 150 | 18964 | 126.4 | | 18940 | 126.3 | |
| | | 4000 | | 20822 | 138.8 | | 20796 | 138.6 | |
| | | 5000 | | 20007 | 133.4 | | 19982 | 133.2 | |
| OAL3200 | 200 | 5000 | 201 | 27096 | 134.8 | B4-U0-G4 | 27397 | 136.3 | B4-U0-G3 |
| OAL3300S | 200 | 3000 | 207 | 25813 | 124.7 | B4-U0-G3 | 25792 | 124.3 | B4-U0-G3 |
| | | 4000 | | 28343 | 136.9 | | 28320 | 136.5 | |
| | | 5000 | | 27233 | 131.6 | | 27211 | 131.2 | |
| | 240 | 3000 | 249 | 30960 | 124.3 | | 30935 | 124.3 | |
| | | 4000 | | 33994 | 136.5 | | 33967 | 136.5 | |
| | | 5000 | | 32663 | 131.2 | | 32637 | 131.2 | |
| | 300 | 3000 | 311 | 38700 | 124.4 | | 38669 | 124.3 | |
| | | 4000 | | 42493 | 136.6 | | 42459 | 136.5 | |
| | | 5000 | | 40829 | 131.3 | | 40796 | 131.2 | |

| Performance Data | | | | Type IV Optic | | | Type V Optic | | |
|---|---|---|---|---|---|---|---|---|---|
| Model | Watts Setting | CCT | Wattage | Lumens | Efficiency | BUG Rating | Lumens | Efficiency | BUG Rating |
| OAL3150S | 100 | 3000 | 100 | 12457 | 124.6 | B3-U0-G3 | 12495 | 125.0 | B4-U0-G2 |
| | | 4000 | | 13678 | 136.8 | | 13719 | 137.2 | |
| | | 5000 | | 13142 | 131.4 | | 13182 | 131.8 | |
| | 120 | 3000 | 120 | 14946 | 124.6 | | 14993 | 124.9 | |
| | | 4000 | | 16411 | 136.8 | | 16461 | 137.2 | |
| | | 5000 | | 15769 | 131.4 | | 15817 | 131.8 | |
| | 150 | 3000 | 150 | 18676 | 124.5 | | 18733 | 124.9 | |
| | | 4000 | | 20506 | 136.7 | | 20569 | 137.1 | |
| | | 5000 | | 19703 | 131.4 | | 19763 | 131.8 | |
| OAL3200 | 200 | 5000 | 201 | 27534 | 137.0 | B4-U0-G3 | 27894 | 138.8 | B5-U0-G3 |
| OAL3300S | 200 | 3000 | 207 | 25792 | 125.0 | B4-U0-G3 | 26260 | 126.9 | B5-U0-G4 |
| | | 4000 | | 28320 | 137.2 | | 28833 | 139.0 | |
| | | 5000 | | 27211 | 131.8 | | 27704 | 133.6 | |
| | 240 | 3000 | 249 | 30935 | 125.0 | | 31496 | 126.6 | |
| | | 4000 | | 33967 | 137.2 | | 34583 | 139.0 | |
| | | 5000 | | 32637 | 131.8 | | 33228 | 133.6 | |
| | 300 | 3000 | 311 | 38669 | 125.0 | | 39370 | 126.6 | |
| | | 4000 | | 42459 | 137.2 | | 43228 | 139.0 | |
| | | 5000 | | 40796 | 131.8 | | 41535 | 133.6 | |

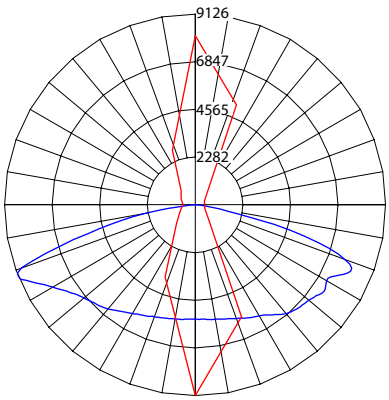
# Photometric Data

## OAL3 150W Type II 3000K

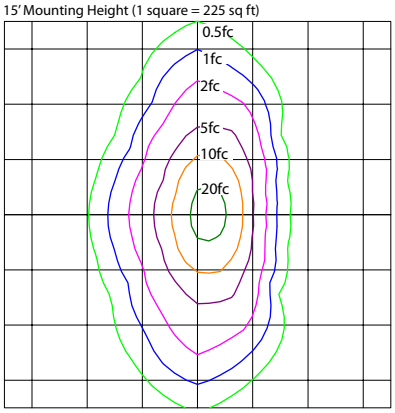
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 150 |
| 120V Current (A) | 1.25 |
| 277V Current (A) | 0.54 |
| Delivered Lumens (Lm) | 18964 |
| System Efficacy (Lm/W) | 126.4 |
| Correlated Color Temp (K) | 3012 |
| Color Rendering Index (CRI) | 81 |
| Horizontal Beam Angle | 152.8 |
| Vertical Beam Angle | 84.7 |
| Spacing Criteria (0-180) | 1.52 |
| Spacing Criteria (90-270) | 1.86 |
| BUG Rating | B3-U0-G3 |

**Intensity Summary (Candle Power)**

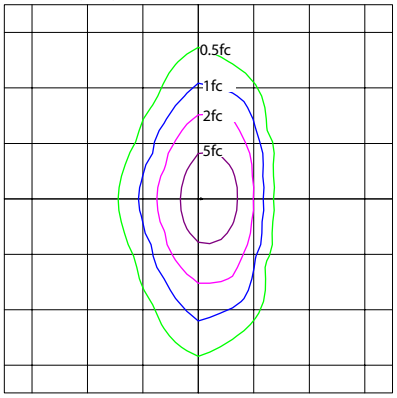
| Angle | Mean CP |
|---|---|
| 0 | 5474 |
| 5 | 5888 |
| 15 | 6464 |
| 25 | 6707 |
| 35 | 6182 |
| 45 | 4052 |
| 55 | 1545 |
| 65 | 617 |
| 75 | 272 |
| 85 | 47 |
| 90 | 0 |




15' Mounting Height (1 square = 225 sq ft)




25' Mounting Height (1 square = 625 sq ft)




**Zonal Lumen Summary**

| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 4472 | 23.6% |
| 0-40 | 7646 | 40.3% |
| 0-60 | 14506 | 76.5% |
| 0-90 | 18964 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 18964 | 100% |

**CCT Data Multiplier**

| | |
|---|---|
| 4000K | 1.098 |
| 5000K | 1.055 |

**Wattage Data Multiplier**

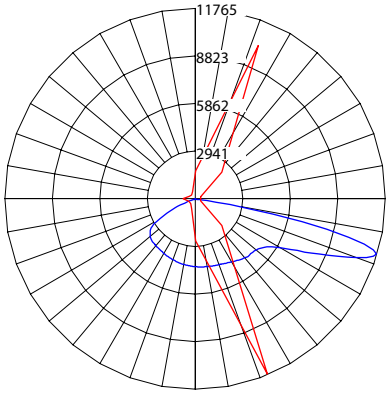
| | |
|---|---|
| 120W | 0.800 |
| 100W | 0.667 |

## OAL3 150W Type III 3000K

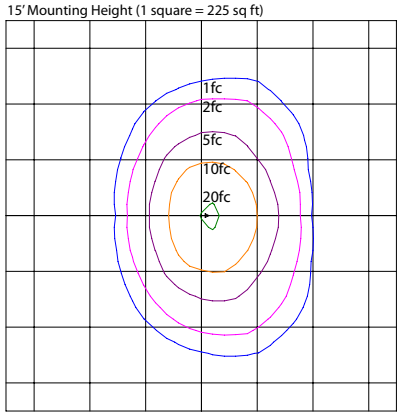
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 150 |
| 120V Current (A) | 1.25 |
| 277V Current (A) | 0.54 |
| Delivered Lumens (Lm) | 18940 |
| System Efficacy (Lm/W) | 126.3 |
| Correlated Color Temp (K) | 3017 |
| Color Rendering Index (CRI) | 81 |
| Horizontal Beam Angle | 140.7 |
| Vertical Beam Angle | 52.1 |
| Spacing Criteria (0-180) | 2.28 |
| Spacing Criteria (90-270) | 1.54 |
| BUG Rating | B3-U0-G3 |

**Intensity Summary (Candle Power)**

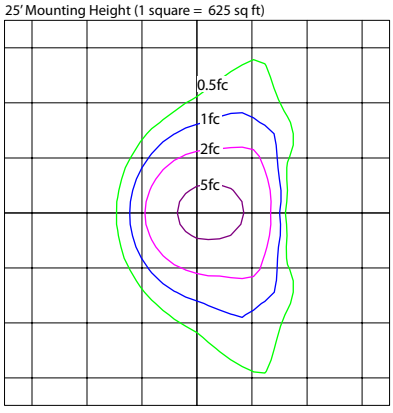
| Angle | Mean CP |
|---|---|
| 0 | 4233 |
| 5 | 4405 |
| 15 | 4864 |
| 25 | 5567 |
| 35 | 6423 |
| 45 | 7479 |
| 55 | 6320 |
| 65 | 568 |
| 75 | 279 |
| 85 | 55 |
| 90 | 0 |




15' Mounting Height (1 square = 225 sq ft)




25' Mounting Height (1 square = 625 sq ft)




**Zonal Lumen Summary**

| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 3679 | 19.4% |
| 0-40 | 6581 | 34.7% |
| 0-60 | 14110 | 74.5% |
| 0-90 | 18940 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 18940 | 100% |

**CCT Data Multiplier**

| | |
|---|---|
| 4000K | 1.098 |
| 5000K | 1.055 |

**Wattage Data Multiplier**

| | |
|---|---|
| 120W | 0.800 |
| 100W | 0.667 |

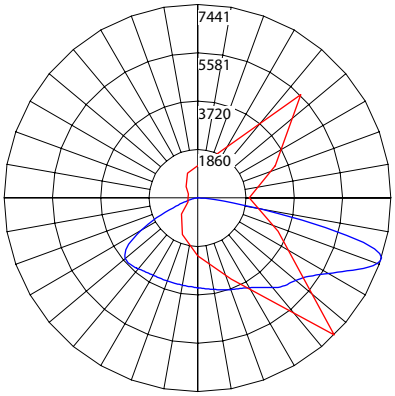
# Photometric Data

## OAL3 150W Type IV 3000K

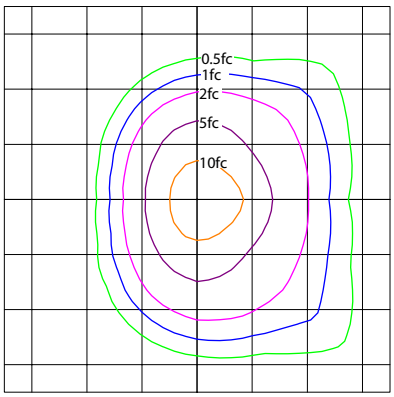
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 150 |
| 120V Current (A) | 1.25 |
| 277V Current (A) | 0.54 |
| Delivered Lumens (Lm) | 18676 |
| System Efficacy (Lm/W) | 124.5 |
| Correlated Color Temp (K) | 3022 |
| Color Rendering Index (CRI) | 81 |
| Horizontal Beam Angle | 103.5 |
| Vertical Beam Angle | 120.4 |
| Spacing Criteria (0-180) | 2.10 |
| Spacing Criteria (90-270) | 2.00 |
| BUG Rating | B3-U0-G3 |

**Intensity Summary (Candle Power)**

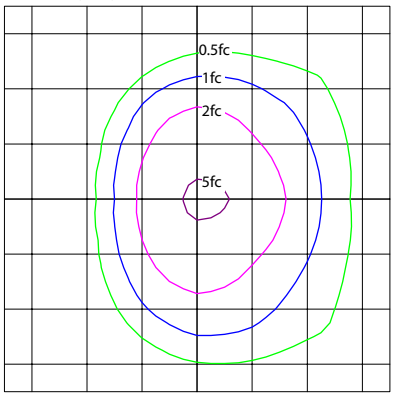
| Angle | Mean CP |
|---|---|
| 0 | 3453 |
| 5 | 3524 |
| 15 | 3745 |
| 25 | 4049 |
| 35 | 4416 |
| 45 | 4813 |
| 55 | 5245 |
| 65 | 5493 |
| 75 | 2075 |
| 85 | 228 |
| 90 | 0 |




15' Mounting Height (1 square = 225 sq ft)




25' Mounting Height (1 square = 400 sq ft)




**Zonal Lumen Summary**

| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 3046 | 16.3% |
| 0-40 | 5537 | 29.6% |
| 0-60 | 13021 | 69.7% |
| 0-90 | 18676 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 18676 | 100% |

**CCT Data Multiplier**

| | |
|---|---|
| 4000K | 1.098 |
| 5000K | 1.055 |

**Wattage Data Multiplier**

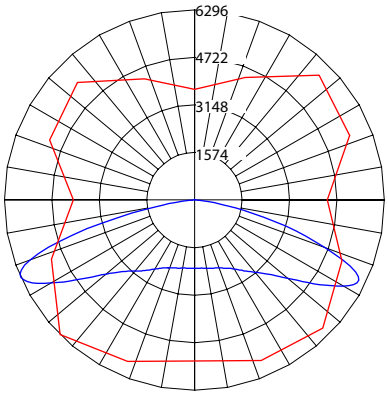
| | |
|---|---|
| 120W | 0.800 |
| 100W | 0.667 |

## OAL3 150W Type V 3000K

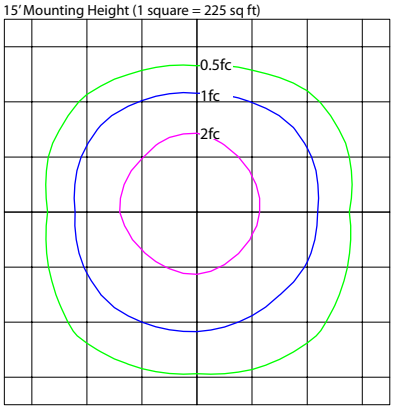
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 150 |
| 120V Current (A) | 1.25 |
| 277V Current (A) | 0.54 |
| Delivered Lumens (Lm) | 18733 |
| System Efficacy (Lm/W) | 124.9 |
| Correlated Color Temp (K) | 3017 |
| Color Rendering Index (CRI) | 81 |
| Horizontal Beam Angle | 116.7 |
| Vertical Beam Angle | 142.8 |
| Spacing Criteria (0-180) | 2.10 |
| Spacing Criteria (90-270) | 2.56 |
| BUG Rating | B4-U0-G2 |

**Intensity Summary (Candle Power)**

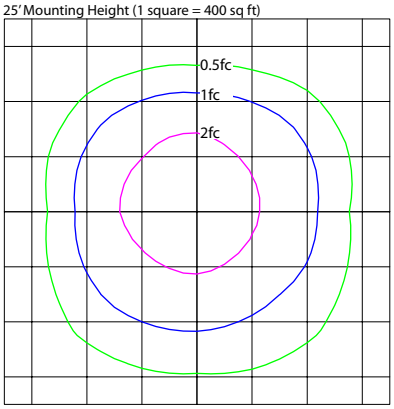
| Angle | Mean CP |
|---|---|
| 0 | 2259 |
| 5 | 2258 |
| 15 | 2309 |
| 25 | 2452 |
| 35 | 2779 |
| 45 | 3366 |
| 55 | 4823 |
| 65 | 5720 |
| 75 | 2364 |
| 85 | 314 |
| 90 | 0 |




15' Mounting Height (1 square = 225 sq ft)




25' Mounting Height (1 square = 400 sq ft)




**Zonal Lumen Summary**

| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 2046 | 10.9% |
| 0-40 | 3859 | 20.6% |
| 0-60 | 10859 | 58% |
| 0-90 | 18733 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 18733 | 100% |

**CCT Data Multiplier**

| | |
|---|---|
| 4000K | 1.098 |
| 5000K | 1.055 |

**Wattage Data Multiplier**

| | |
|---|---|
| 120W | 0.800 |
| 100W | 0.667 |

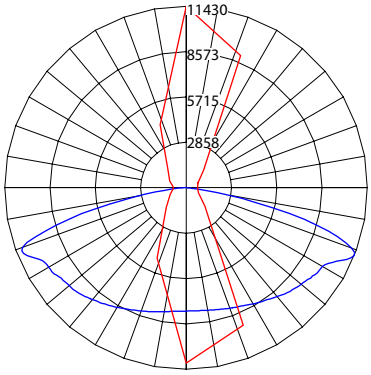
# Photometric Data

## OAL 200W Type II 5000K

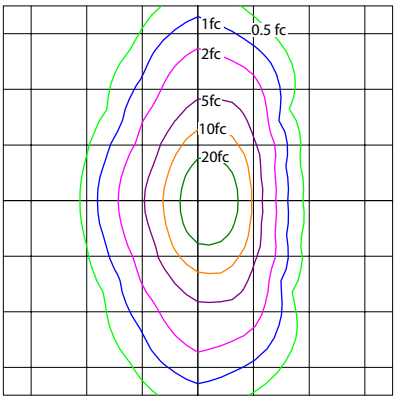
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 201 |
| 120V Current (A) | 1.68 |
| 277V Current (A) | 0.73 |
| Delivered Lumens (Lm) | 27536 |
| System Efficacy (Lm/W) | 137.0 |
| Correlated Color Temp (K) | 5012 |
| Color Rendering Index (CRI) | 81 |
| Horizontal Beam Angle | 147.2 |
| Vertical Beam Angle | 88.9 |
| Spacing Criteria (0-180) | 1.56 |
| Spacing Criteria (90-270) | 1.74 |
| BUG Rating | B4-U0-G4 |

**Intensity Summary (Candle Power)**

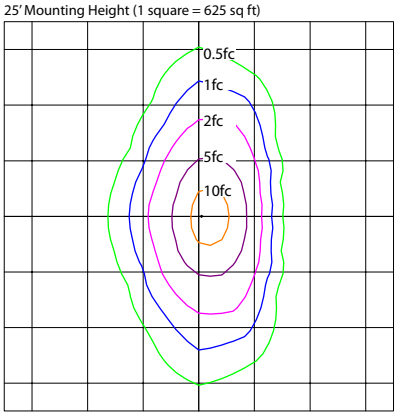
| Angle | Mean CP |
|---|---|
| 0 | 7769 |
| 5 | 8347 |
| 15 | 9146 |
| 25 | 9512 |
| 35 | 8990 |
| 45 | 6396 |
| 55 | 2608 |
| 65 | 1023 |
| 75 | 454 |
| 85 | 86 |
| 90 | 0 |




15' Mounting Height (1 square = 225 sq ft)




25' Mounting Height (1 square = 625 sq ft)




**Zonal Lumen Summary**

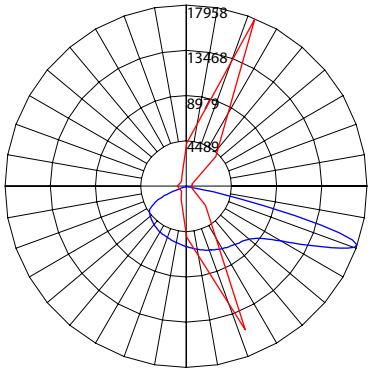
| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 6365 | 23.1% |
| 0-40 | 10895 | 39.6% |
| 0-60 | 20770 | 75.4% |
| 0-90 | 27536 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 27536 | 100% |

## OAL 200W Type III 5000K

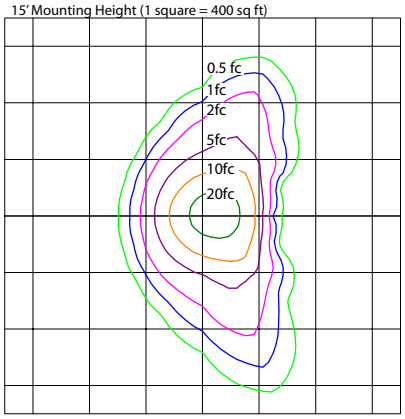
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 201 |
| 120V Current (A) | 1.68 |
| 277V Current (A) | 0.73 |
| Delivered Lumens (Lm) | 27532 |
| System Efficacy (Lm/W) | 137.0 |
| Correlated Color Temp (K) | 5012 |
| Color Rendering Index (CRI) | 81 |
| Horizontal Beam Angle | 141.8 |
| Vertical Beam Angle | 55.3 |
| Spacing Criteria (0-180) | 2.26 |
| Spacing Criteria (90-270) | 1.58 |
| BUG Rating | B4-U0-G3 |

**Intensity Summary (Candle Power)**

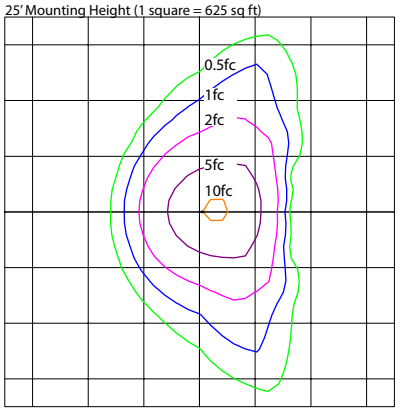
| Angle | Mean CP |
|---|---|
| 0 | 6041 |
| 5 | 6435 |
| 15 | 7407 |
| 25 | 8592 |
| 35 | 9948 |
| 45 | 11154 |
| 55 | 8199 |
| 65 | 868 |
| 75 | 457 |
| 85 | 107 |
| 90 | 0 |




15' Mounting Height (1 square = 400 sq ft)




25' Mounting Height (1 square = 625 sq ft)




**Zonal Lumen Summary**

| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 5330 | 19.4% |
| 0-40 | 9560 | 34.7% |
| 0-60 | 20458 | 74.3% |
| 0-90 | 27532 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 27532 | 100% |

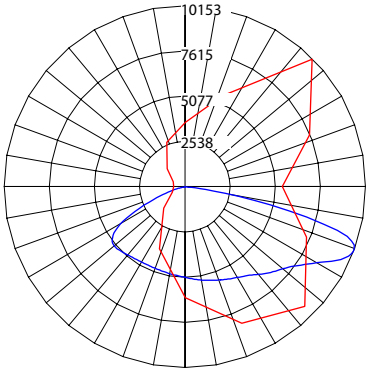
# Photometric Data

## OAL 200W Type IV 5000K

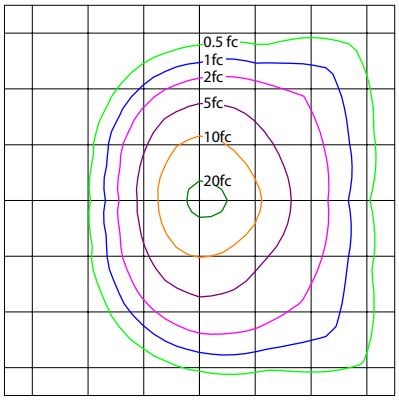
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 201 |
| 120V Current (A) | 1.68 |
| 277V Current (A) | 0.73 |
| Delivered Lumens (Lm) | 27506 |
| System Efficacy (Lm/W) | 136.8 |
| Correlated Color Temp (K) | 5012 |
| Color Rendering Index (CRI) | 81 |
| Horizontal Beam Angle | 108.8 |
| Vertical Beam Angle | 124.0 |
| Spacing Criteria (0-180) | 2.06 |
| Spacing Criteria (90-270) | 2.02 |
| BUG Rating | B4-U0-G3 |

**Intensity Summary (Candle Power)**

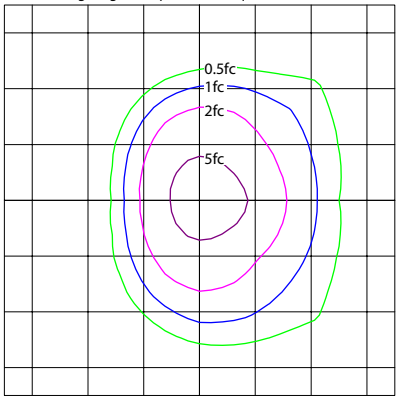
| Angle | Mean CP |
|---|---|
| 0 | 5113 |
| 5 | 5232 |
| 15 | 5576 |
| 25 | 5990 |
| 35 | 6431 |
| 45 | 6934 |
| 55 | 7511 |
| 65 | 8470 |
| 75 | 3909 |
| 85 | 493 |
| 90 | 0 |




15' Mounting Height (1 square = 225 sq ft)




25' Mounting Height (1 square = 625 sq ft)




**Zonal Lumen Summary**

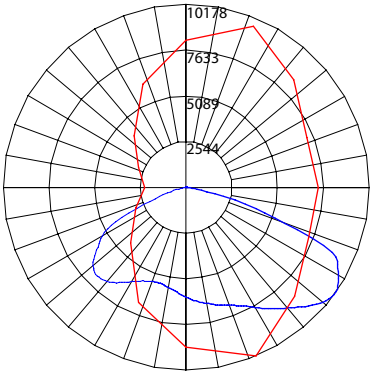
| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 4464 | 16.2% |
| 0-40 | 8036 | 29.2% |
| 0-60 | 18687 | 67.9% |
| 0-90 | 27506 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 27506 | 100% |

## OAL 200W Type V 5000K

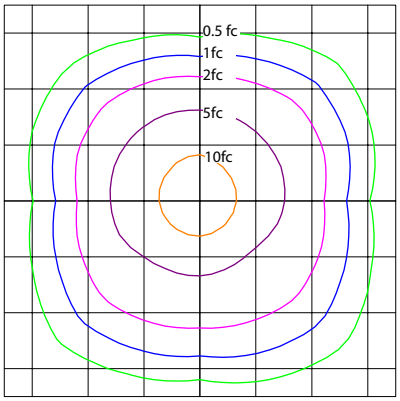
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 201 |
| 120V Current (A) | 1.67 |
| 277V Current (A) | 0.72 |
| Delivered Lumens (Lm) | 26419 |
| System Efficacy (Lm/W) | 131.7 |
| Correlated Color Temp (K) | 4994 |
| Color Rendering Index (CRI) | 83 |
| Horizontal Beam Angle | 134.2 |
| Vertical Beam Angle | 99.9 |
| Spacing Criteria (0-180) | 2.0 |
| Spacing Criteria (90-270) | 1.8 |
| BUG Rating | B5-U0-G3 |

**Intensity Summary (Candle Power)**

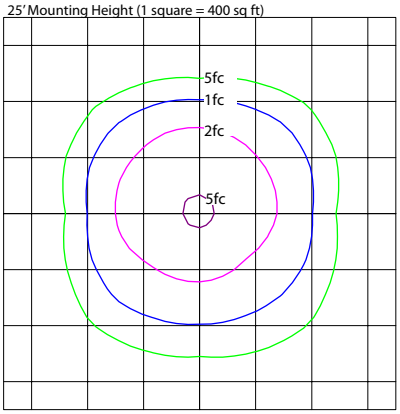
| Angle | Mean CP |
|---|---|
| 0 | 6128 |
| 5 | 6130 |
| 15 | 6209 |
| 25 | 6350 |
| 35 | 6820 |
| 45 | 7100 |
| 55 | 6523 |
| 65 | 4386 |
| 75 | 990 |
| 85 | 67 |
| 90 | 14 |




15' Mounting Height (1 square = 225 sq ft)




25' Mounting Height (1 square = 400 sq ft)




**Zonal Lumen Summary**

| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 5298 | 20.1% |
| 0-40 | 9582 | 36.3% |
| 0-60 | 20831 | 78.8% |
| 0-90 | 26419 | 100% |
| 90-180 | 0 | 0.0% |
| 0-180 | 26419 | 100% |

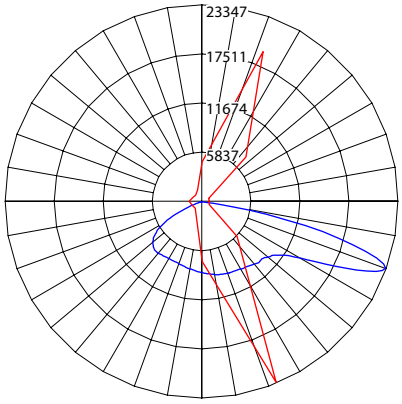
# Photometric Data

## OAL 300W Type II 3000K

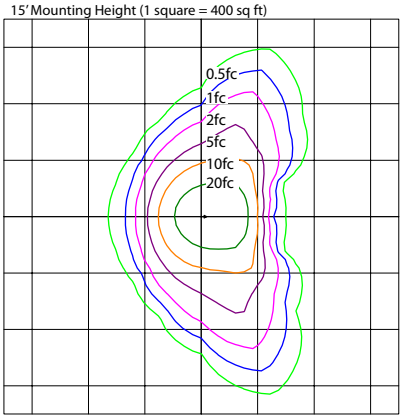
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 311 |
| 120V Current (A) | 2.6 |
| 277V Current (A) | 1.1 |
| Delivered Lumens (Lm) | 38700 |
| System Efficacy (Lm/W) | 124.4 |
| Correlated Color Temp (K) | 3024 |
| Color Rendering Index (CRI) | 81 |
| Horizontal Beam Angle | 139.2 |
| Vertical Beam Angle | 60.4 |
| Spacing Criteria (0-180) | 2.28 |
| Spacing Criteria (90-270) | 1.56 |
| BUG Rating | B4-U0-G3 |

**Intensity Summary (Candle Power)**

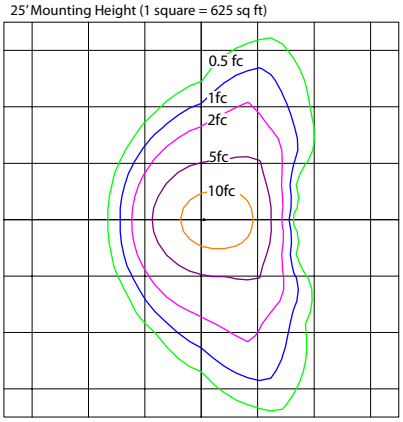
| Angle | Mean CP |
|---|---|
| 0 | 8526 |
| 5 | 8891 |
| 15 | 9986 |
| 25 | 11566 |
| 35 | 13532 |
| 45 | 15768 |
| 55 | 10326 |
| 65 | 1140 |
| 75 | 596 |
| 85 | 103 |
| 90 | 0 |




15' Mounting Height (1 square = 400 sq ft)




25' Mounting Height (1 square = 625 sq ft)




**Zonal Lumen Summary**

| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 7490 | 19.4% |
| 0-40 | 13539 | 35% |
| 0-60 | 29162 | 75.4% |
| 0-90 | 38700 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 38700 | 100% |

**CCT Data Multiplier**

| | |
|---|---|
| 4000K | 1.098 |
| 5000K | 1.055 |

**Wattage Data Multiplier**

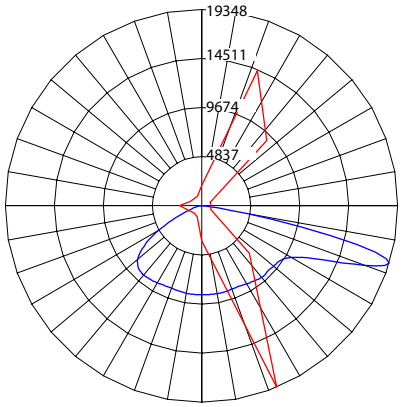
| | |
|---|---|
| 240W | 0.800 |
| 200W | 0.667 |

## OAL 300W Type III 3000K

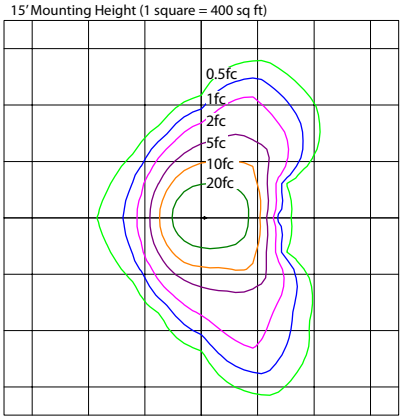
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 311 |
| 120V Current (A) | 2.6 |
| 277V Current (A) | 1.1 |
| Delivered Lumens (Lm) | 38669 |
| System Efficacy (Lm/W) | 124.3 |
| Correlated Color Temp (K) | 3024 |
| Color Rendering Index (CRI) | 81 |
| Horizontal Beam Angle | 138.6 |
| Vertical Beam Angle | 89.8 |
| Spacing Criteria (0-180) | 2.28 |
| Spacing Criteria (90-270) | 1.62 |
| BUG Rating | B4-U0-G3 |

**Intensity Summary (Candle Power)**

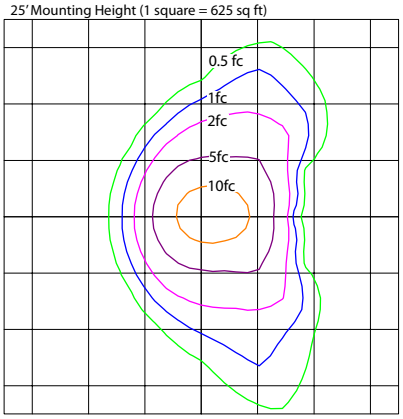
| Angle | Mean CP |
|---|---|
| 0 | 8767 |
| 5 | 9091 |
| 15 | 9843 |
| 25 | 11205 |
| 35 | 12785 |
| 45 | 15372 |
| 55 | 14508 |
| 65 | 1544 |
| 75 | 816 |
| 85 | 158 |
| 90 | 0 |




15' Mounting Height (1 square = 400 sq ft)




25' Mounting Height (1 square = 625 sq ft)




**Zonal Lumen Summary**

| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 7620 | 19.7% |
| 0-40 | 13666 | 35.3% |
| 0-60 | 29052 | 75.1% |
| 0-90 | 38669 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 38669 | 100% |

**CCT Data Multiplier**

| | |
|---|---|
| 4000K | 1.098 |
| 5000K | 1.055 |

**Wattage Data Multiplier**

| | |
|---|---|
| 240W | 0.800 |
| 200W | 0.667 |

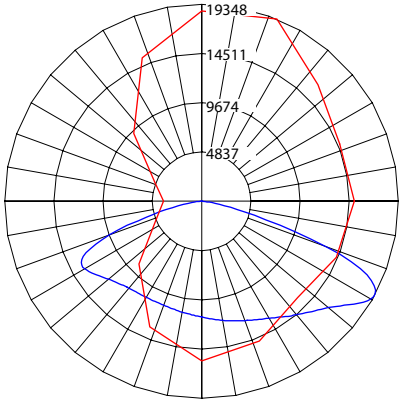
# Photometric Data

## OAL 300W Type IV 3000K

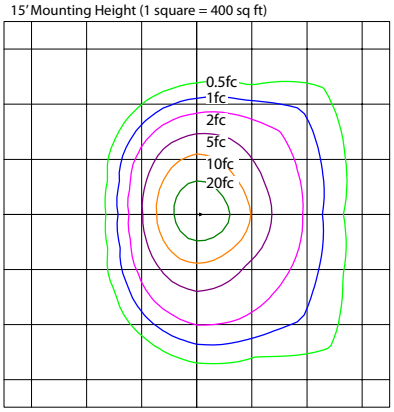
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 311 |
| 120V Current (A) | 2.6 |
| 277V Current (A) | 1.1 |
| Delivered Lumens (Lm) | 38669 |
| System Efficacy (Lm/W) | 124.3 |
| Correlated Color Temp (K) | 3024 |
| Color Rendering Index (CRI) | 81 |
| Horizontal Beam Angle | 138.6 |
| Vertical Beam Angle | 89.8 |
| Spacing Criteria (0-180) | 2.28 |
| Spacing Criteria (90-270) | 1.62 |
| BUG Rating | B4-U0-G3 |

**Intensity Summary (Candle Power)**

| Angle | Mean CP |
|---|---|
| 0 | 8767 |
| 5 | 9091 |
| 15 | 9843 |
| 25 | 11205 |
| 35 | 12785 |
| 45 | 15372 |
| 55 | 14508 |
| 65 | 1544 |
| 75 | 816 |
| 85 | 158 |
| 90 | 0 |




15' Mounting Height (1 square = 400 sq ft)




**Zonal Lumen Summary**

| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 7620 | 19.7% |
| 0-40 | 13666 | 35.3% |
| 0-60 | 29052 | 75.1% |
| 0-90 | 38669 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 38669 | 100% |

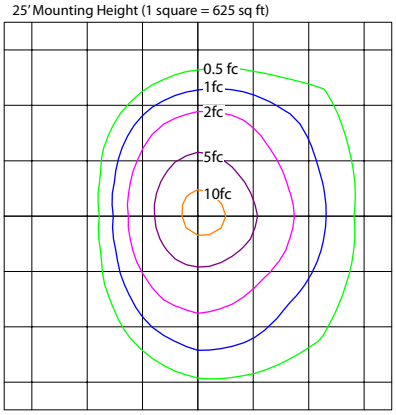
**CCT Data Multiplier**

| | |
|---|---|
| 4000K | 1.098 |
| 5000K | 1.055 |

**Wattage Data Multiplier**

| | |
|---|---|
| 240W | 0.800 |
| 200W | 0.667 |

25' Mounting Height (1 square = 625 sq ft)

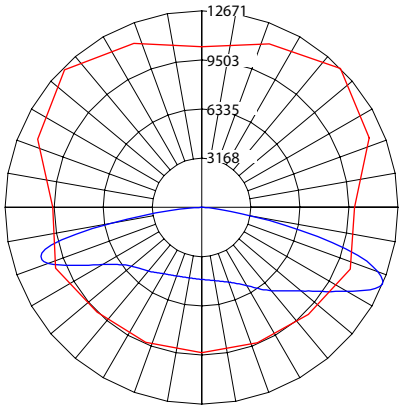



## OAL 300W Type V 3000K

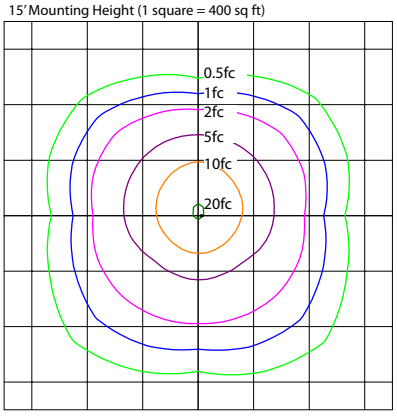
| | |
|---|---|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 311 |
| 120V Current (A) | 2.6 |
| 277V Current (A) | 1.1 |
| Delivered Lumens (Lm) | 39370 |
| System Efficacy (Lm/W) | 126.6 |
| Correlated Color Temp (K) | 2998 |
| Color Rendering Index (CRI) | 81 |
| Horizontal Beam Angle | 131.0 |
| Vertical Beam Angle | 144.9 |
| Spacing Criteria (0-180) | 2.04 |
| Spacing Criteria (90-270) | 2.54 |
| BUG Rating | B5-U0-G4 |

**Intensity Summary (Candle Power)**

| Angle | Mean CP |
|---|---|
| 0 | 4638 |
| 5 | 4673 |
| 15 | 4849 |
| 25 | 5228 |
| 35 | 6029 |
| 45 | 7137 |
| 55 | 9053 |
| 65 | 11604 |
| 75 | 7515 |
| 85 | 870 |
| 90 | 0 |




15' Mounting Height (1 square = 400 sq ft)




**Zonal Lumen Summary**

| Zone | Lumens | % of Luminaire |
|---|---|---|
| 0-30 | 4197 | 10.7% |
| 0-40 | 7852 | 19.9% |
| 0-60 | 20508 | 52.1% |
| 0-90 | 39370 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 39370 | 100% |

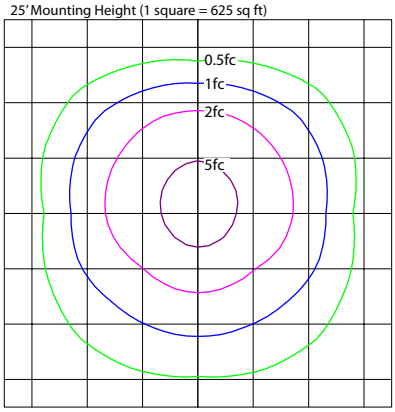
**CCT Data Multiplier**

| | |
|---|---|
| 4000K | 1.098 |
| 5000K | 1.055 |

**Wattage Data Multiplier**

| | |
|---|---|
| 240W | 0.800 |
| 200W | 0.667 |

25' Mounting Height (1 square = 625 sq ft)



## Controls

### Sensor Options

**[_] - 3-pin Receptacle & Shunt**
Standard configuration ships with a 3-pin photocell receptacle with shorting cap installed.

**7 - 7-pin Photocell Receptacle & Shunt**
Optional configuration ships with a 7-pin photocell receptacle with shorting cap installed allowing the use of advanced control systems that require NEMA 7-pin receptacles.

| Recommended 0-10VDC Dimmers* |
|---|
| Lutron NTSTV |
| Lutron DVSTV |
| Cooper SF10P |
| Legrand RH4FBL3PW |

**Not a complete list. Check compatibility before installation.*

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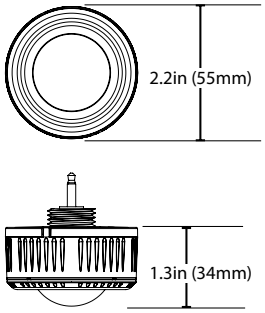
### H12V PIR Low Voltage Motion Sensor

See the individual spec sheet for further information

- Field installed 12VDC sensor
- Infrared motion detector with built in daylight sensor
- Remote control programmable
- Highly configurable:
  - Detection area
  - Hold time
  - Dimming level
  - Stand-by period
  - Stand-by dimming
  - Daylight harvesting threshold
- Max mounting height: 40ft (12m)
- IP65 Rated

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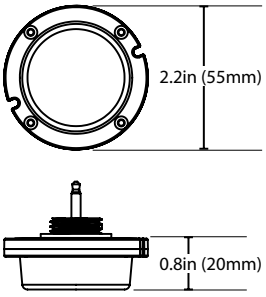
### Microwave Low Voltage Motion Sensor

See the individual spec sheet for further information

- Field installed 12VDC sensor
- Microwave motion detector with built in daylight sensor
- Remote control programmable
- Highly configurable:
  - Detection area
  - Hold time
  - Dimming level
  - Stand-by period
  - Stand-by dimming
  - Daylight harvesting threshold
- Max mounting height: 40ft (12m)
- IP65 Rated

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### Remote Control for H12V Sensors

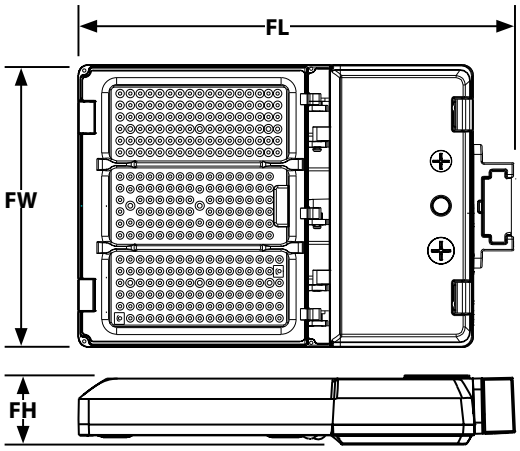
See the individual spec sheet for further information

- Allows programming of MW or PIR sensors
- Allows adjustment of:
  - Brightness
  - Hold time
  - Sensor Sensitivity
  - Daylight harvesting threshold
  - Stand-by dimming level
  - Stand-by time
  - Stand-by dimming

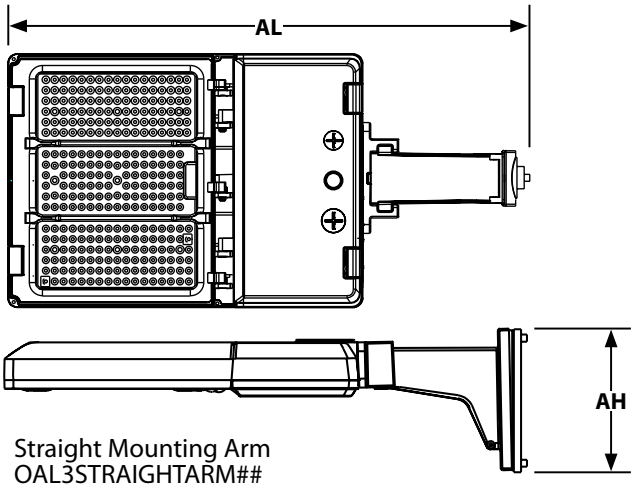
---

## Dimensions

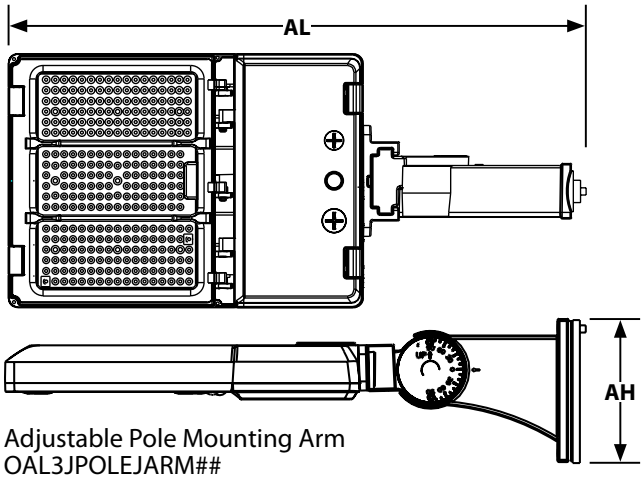
| | 150W & 200W | 300W |
|---|---|---|
| **Fixture Length** (FL) | 17.2 in (437 mm) | 21.3 in (540 mm) |
| **Fixture Height** (FH) | 2.5 in (64 mm) | 2.5 in (64 mm) |
| **Fixture Width** (FW) | 11.2 in (284 mm) | 14.0 in (355 mm) |



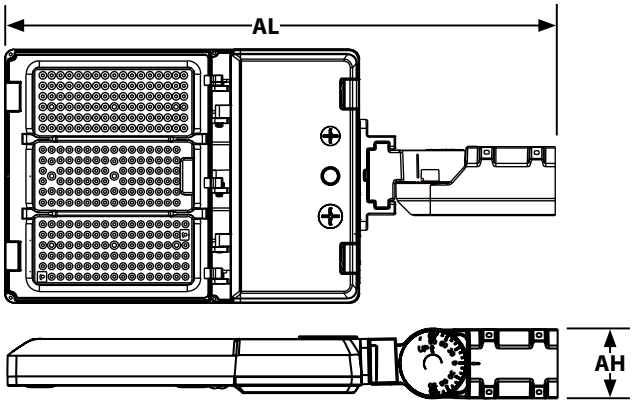

| | Straight Arm | Adjustable Arm | Slipfitter | Trunnion |
|---|---|---|---|---|
| **150/200W With Arm Length** (AL) | 23.0 in (584 mm) | 25.5 in (647 mm) | 24.3 in (616 mm) | 23.3 in (592 mm) |
| **300W With Arm Length** (AL) | 27.1 in (688 mm) | 29.4 in (748 mm) | 28.3 in (719 mm) | 27.4 in (695 mm) |
| **Arm Height** (AH) | 6.3 in (160 mm) | 6.3 in (160 mm) | 3.0 in (77 mm) | 2.8 in (70 mm) |



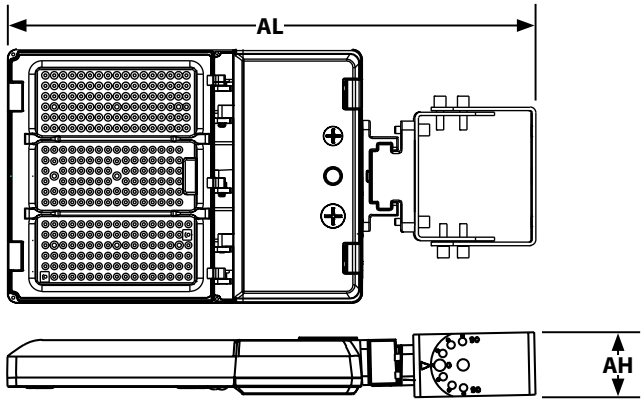

Straight Mounting Arm
OAL3STRAIGHTARM##




Adjustable Pole Mounting Arm
OAL3JPOLEJARM##

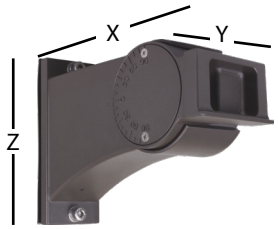



Slipfitter Adapter
OAL3SLIPFITARM##

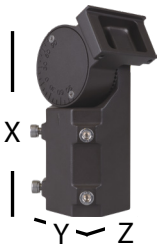



Trunnion Mounting Arm
OAL3TRUNNION##

## Mounting Accessories



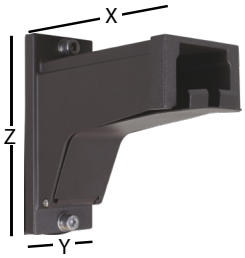

Adjustable Pole Mounting Arm
for square or round pole
OAL3JPOLEJARM##




Slipfitter Adapter
OAL3SLIPFITARM##

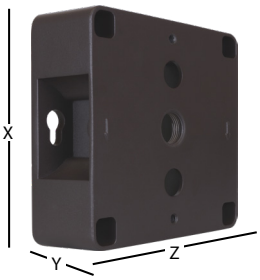
| Dimensions (inch) | X | Y | Z | Note |
|---|---|---|---|---|
| OAL3JPOLEJARM | 7.6 | 2.4 | 6.3 | |
| OAL3SLIPFITARM | 7.0 | 3.0 | 3.0 | Fits 2.5″ tennon |
| OAL3STRAIGHTARM | 6.0 | 2.9 | 6.2 | |
| OAL3TRUNNION[6] | 4.6 | 2.8 | 6.1 | |
| OAL3WALLBOX | 6.9 | 2.5 | 5.7 | |

6) Dimensions are with Trunnion fully extended.

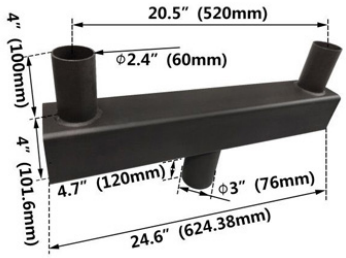



Straight Mounting Arm
for square or round pole
OAL3STRAIGHTARM##

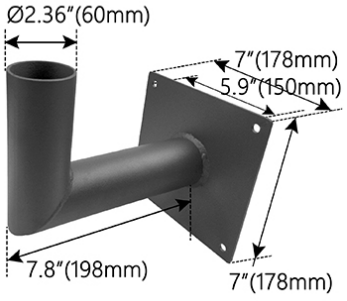

Trunnion Mounting Arm
OAL3TRUNNION##



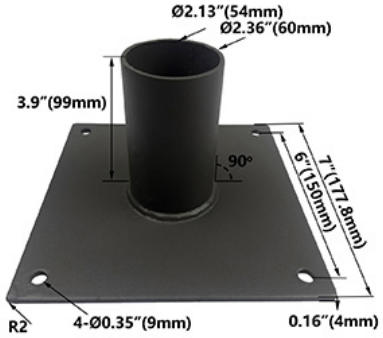

Trunnion Mounting Arm
OAL3WALLBOX##



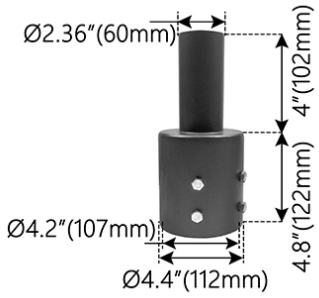

Low Profile Double Tenon
OPL41TN2



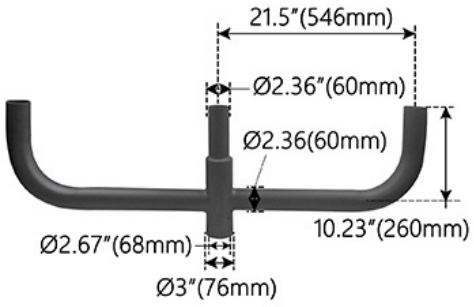

Wallmount 90° Bracket
OPL41WM2



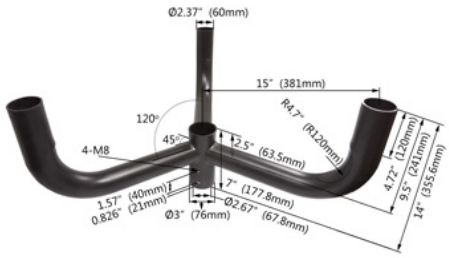

180° Wallmount Bracket
OPL41WM1



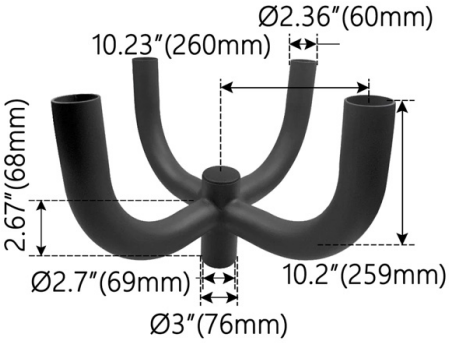

4″ Round Tenon Adapter
OPL41TNA




180° Triple Bullhorn
OPL41BH3S



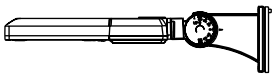

Triple 120° Bullhorn
OPL41BH3A



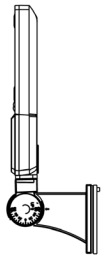

90° Quad Bullhorn
OPL41BH4A

## EPA Data

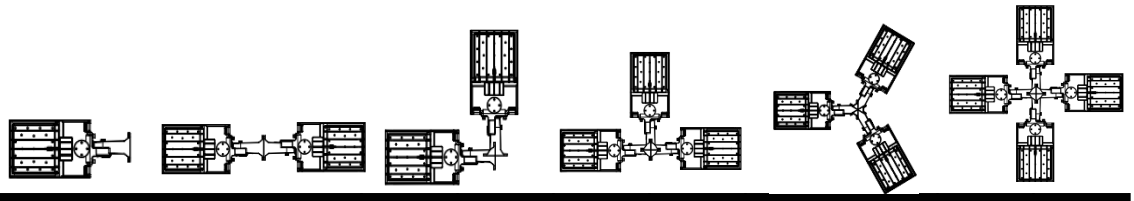
| Weight (1 Luminaire) | |
|---|---|
| 150W /200W | 9.70 lbs (4.40 kg) |
| 300W | 13.12 lbs (5.95 kg) |



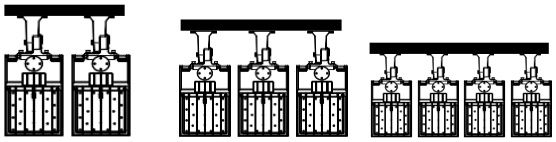
**Mounting Angle 0°**



**Mounting Angle 90°**



| Fixture | Angle | 1 Luminaire | | 2 Luminaires 180° | | 2 Luminaires 90° | | 3 Luminaires 90° | | 3 Luminaires 120° | | 4 Luminaires 90° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ft² | m² | ft² | m² | ft² | m² | ft² | m² | ft² | m² | ft² | m² |
| 150W/200W | 0 | 0.550 | 0.051 | 1.110 | 0.103 | 1.020 | 0.095 | 1.180 | 0.110 | 1.490 | 0.138 | 1.180 | 0.110 |
| | 10 | 0.557 | 0.052 | 1.110 | 0.103 | 1.147 | 0.107 | 1.590 | 0.148 | 2.066 | 0.192 | 1.590 | 0.148 |
| | 30 | 1.180 | 0.110 | 1.180 | 0.110 | 2.080 | 0.193 | 2.100 | 0.195 | 3.190 | 0.296 | 2.100 | 0.195 |
| | 60 | 1.890 | 0.176 | 1.890 | 0.176 | 2.210 | 0.205 | 2.780 | 0.258 | 4.270 | 0.397 | 2.780 | 0.258 |
| | 90 | 2.097 | 0.195 | 2.097 | 0.195 | 2.280 | 0.212 | 2.960 | 0.275 | 4.980 | 0.463 | 2.960 | 0.275 |
| 300W | 0 | 0.650 | 0.060 | 1.310 | 0.122 | 1.200 | 0.111 | 1.696 | 0.158 | 1.770 | 0.164 | 1.696 | 0.158 |
| | 10 | 0.730 | 0.068 | 1.310 | 0.122 | 1.407 | 0.131 | 2.085 | 0.194 | 2.708 | 0.252 | 2.085 | 0.194 |
| | 30 | 1.620 | 0.151 | 1.620 | 0.151 | 2.257 | 0.210 | 2.894 | 0.269 | 4.380 | 0.407 | 2.894 | 0.269 |
| | 60 | 2.620 | 0.243 | 2.620 | 0.243 | 3.243 | 0.301 | 3.866 | 0.359 | 5.920 | 0.550 | 3.866 | 0.359 |
| | 90 | 2.920 | 0.271 | 2.920 | 0.271 | 3.526 | 0.328 | 4.132 | 0.384 | 6.935 | 0.644 | 4.132 | 0.384 |



| Fixture | Angle | Double Bullhorn | | Triple Bullhorn | | Quad Bullhorn | |
|---|---|---|---|---|---|---|---|
| | | ft² | m² | ft² | m² | ft² | m² |
| 150W/200W | 0 | 0.670 | 0.062 | 1.000 | 0.093 | 1.340 | 0.124 |
| | 10 | 1.114 | 0.103 | 1.607 | 0.149 | 2.228 | 0.207 |
| | 30 | 2.360 | 0.219 | 3.540 | 0.329 | 4.720 | 0.439 |
| | 60 | 3.780 | 0.351 | 5.670 | 0.527 | 7.560 | 0.702 |
| | 90 | 4.194 | 0.390 | 6.291 | 0.584 | 8.388 | 0.779 |
| 300W | 0 | 0.792 | 0.074 | 1.187 | 0.110 | 1.583 | 0.147 |
| | 10 | 1.460 | 0.136 | 2.190 | 0.203 | 2.920 | 0.271 |
| | 30 | 3.240 | 0.301 | 4.860 | 0.452 | 6.480 | 0.602 |
| | 60 | 5.540 | 0.515 | 7.860 | 0.730 | 11.080 | 1.029 |
| | 90 | 5.840 | 0.543 | 8.760 | 0.814 | 11.680 | 1.085 |