

Ara

LED Flood Light

Project _____

Catalog _____

Type _____

Date _____

Product Description

The Ara LED Flood Light offers high performance and clean, uniform light distribution in a compact design. The Ara is available in three wattages and features a long-lasting driver with a highly efficient LED engine for precise optical control. The included knuckle mount has a range of 0 to 90-degrees, making it easy to enhance the aesthetics of any exterior environment, including landscapes, display signage, building facades, common areas, pathways, and other open spaces where illumination or accent lighting are required.

Construction

- Die-cast aluminum housing routes heat away from electrical components
- Stainless steel hardware
- Fine-textured, UV-stabilized powder coat bronze finish standard.

Optical System

- Impact-resistant polycarbonate lens creates uniform light distribution
- NEMA 7H x 7V distribution
- Utilizes advanced LED technology and available in 3000K (on select models), 4000K and 5000K
- Standard 80 CRI to improve safety and color definition

Electrical

- Input voltage of 120-277VAC
- Power factor: >0.9
- THD < 20%
- Operating temperature range: -40° to 122°F (-40° to 50°C)

Mounting and installation

- Knuckle
 - ½" threaded connector with locking nut
 - Adjustment range of 0° to ±90°
- Yoke
 - Configured for a variety of mounting patterns
 - Adjustment range of 0° to ±90°
 - Only available on 50W 3000K fixture
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Listings

- LM-79, LM-80 testing performed in accordance with IESNA standards
- UL/cUL1598 Listed for wet locations
- IP65 Rated
- RoHS Compliant
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- TM-21 Reported L70(9k) life >50,000 hours

Warranty

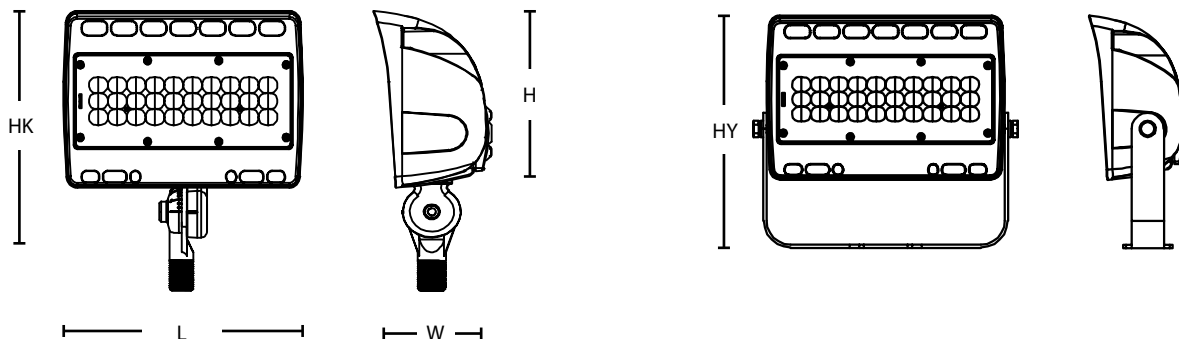
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)



OFL2
12W, 30W, 50W
Flood Light



Dimensions



| | 12W | 30W | 50W |
|-------------------------------|-----------------|-----------------|-----------------|
| Fixture Length (L) | 4.7 in (120 mm) | 6.9 in (175 mm) | 8.6 in (218 mm) |
| Fixture Width (W) | 2.6 in (66 mm) | 3.1 in (78 mm) | 3.5 in (90 mm) |
| Fixture Height (H) | 3.3 in (83 mm) | 4.8 in (121 mm) | 5.9 in (151 mm) |
| Height w/ Knuckle (HK) | 6.0 in (153 mm) | 8.4 in (213 mm) | 9.4 in (239 mm) |
| Height w/ Yoke (HY) | N/A | 7.2 in (183 mm) | 8.4 in (214 mm) |

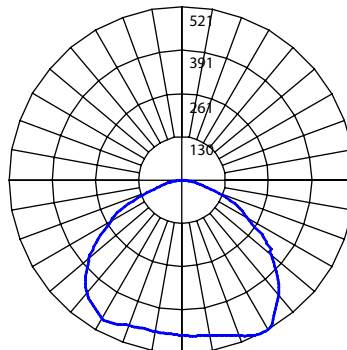
Photometric Data

OFL12 5000K

| | |
|-----------------------------|---------|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 11.7 |
| 120V Current (A) | 0.10 |
| 277V Current (A) | 0.04 |
| Delivered Lumens (Lm) | 1302 |
| System Efficacy (Lm/W) | 109.4 |
| Correlated Color Temp (K) | 5043 |
| Color Rendering Index (CRI) | 84 |
| Beam Angle | 7H x 6V |
| Spacing Criteria (0-180) | 1.18 |
| Spacing Criteria (90-270) | 1.54 |

Intensity Summary (Candle Power)

| Angle | Mean CP |
|-------|---------|
| 0 | 469 |
| 5 | 467 |
| 15 | 457 |
| 25 | 445 |
| 35 | 418 |
| 45 | 362 |
| 55 | 238 |
| 65 | 119 |
| 75 | 42 |
| 85 | 5 |
| 90 | 0 |



Zonal Lumen Summary

| Zone | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30 | 380 | 29.2% |
| 0-40 | 643 | 49.3% |
| 0-60 | 1130 | 86.7% |
| 0-90 | 1302 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 1302 | 100% |

CCT Data Multiplier

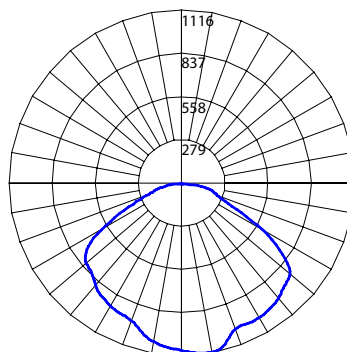
| | |
|-------------|-------|
| OFL2050MV30 | 0.951 |
| OFL2050MV40 | 0.976 |

OFL30 5000K

| | |
|-----------------------------|---------|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 28.9 |
| 120V Current (A) | 0.24 |
| 277V Current (A) | 0.10 |
| Delivered Lumens (Lm) | 3229 |
| System Efficacy (Lm/W) | 111.7 |
| Correlated Color Temp (K) | 5043 |
| Color Rendering Index (CRI) | 84 |
| Beam Angle | 7Hx7V |
| Spacing Criteria (0-180) | 1.30 |
| Spacing Criteria (90-270) | 1.44 |

Intensity Summary (Candle Power)

| Angle | Mean CP |
|-------|---------|
| 0 | 1089 |
| 5 | 1080 |
| 15 | 1014 |
| 25 | 956 |
| 35 | 919 |
| 45 | 818 |
| 55 | 690 |
| 65 | 374 |
| 75 | 162 |
| 85 | 20 |
| 90 | 0 |



Zonal Lumen Summary

| Zone | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30 | 831 | 25.7% |
| 0-40 | 1405 | 43.5% |
| 0-60 | 2646 | 82% |
| 0-90 | 3226 | 99.9% |
| 90-180 | 2 | 0.1% |
| 0-180 | 3229 | 100% |

CCT Data Multiplier

| | |
|-------------|-------|
| OFL2050MV40 | 0.976 |
|-------------|-------|

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

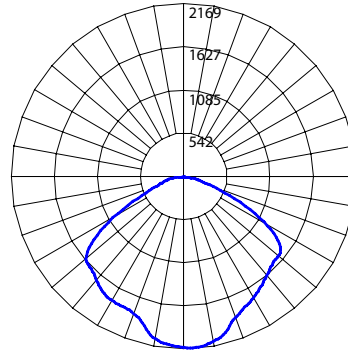
Photometric Data

OFL50 5000K

| | |
|-----------------------------|---------|
| Input Voltage (VAC) | 120-277 |
| System Level Power (W) | 50.7 |
| 120V Current (A) | 0.42 |
| 277V Current (A) | 0.18 |
| Delivered Lumens (Lm) | 5639 |
| System Efficacy (Lm/W) | 111.2 |
| Correlated Color Temp (K) | 5043 |
| Color Rendering Index (CRI) | 84 |
| Beam Angle | 7Hx7V |
| Spacing Criteria | 1.17 |

Intensity Summary (Candle Power)

| Angle | Mean CP |
|-------|---------|
| 0 | 2161 |
| 5 | 2136 |
| 15 | 1929 |
| 25 | 1701 |
| 35 | 1600 |
| 45 | 1401 |
| 55 | 1153 |
| 65 | 668 |
| 75 | 272 |
| 85 | 25 |
| 90 | 0 |



Zonal Lumen Summary

| Zone | Lumens | % of Luminaire |
|--------|--------|----------------|
| 0-30 | 1532 | 27.2% |
| 0-40 | 2530 | 44.9% |
| 0-60 | 4635 | 82.2% |
| 0-90 | 5630 | 99.9% |
| 90-180 | 8 | 0.1% |
| 0-180 | 5639 | 100% |

CCT Data Multiplier

| | |
|-------------|-------|
| OFL2050MV30 | 0.951 |
| OFL2050MV40 | 0.976 |

Performance Data

| Model Number | Lumens | Watts | Lumens/Watt |
|--------------|--------|-------|-------------|
| OFL2012MV30 | 1238 | | 105.8 |
| OFL2012MV40 | 1271 | 11.7 | 108.6 |
| OFL2012MV50 | 1302 | | 109.4 |
| OFL2030MV30 | 3071 | | 106.3 |
| OFL2030MV40 | 3152 | 28.9 | 109.1 |
| OFL2030MV50 | 3229 | | 111.7 |
| OFL2050MV30 | 5363 | | 105.8 |
| OFL2050MV40 | 5504 | 50.7 | 108.6 |
| OFL2050MV50 | 5639 | | 111.2 |

Ordering Information

Example: OFL2030MV50BZK

| Series | Version | Wattage | Voltage | CCTs | Finish | Mounting |
|--------|---------|------------|--------------|----------------------------|-------------|-----------------------|
| OFL | 2 | 012 (12 W) | MV (120-277) | 30 (3000 K) ^{1,3} | BZ (Bronze) | K (Knuckle) |
| | | 030 (30 W) | | | | Y (Yoke) ⁴ |
| | | 050 (50 W) | | | | |

Specifications and dimensions subject to change without notice.

- 12W is available in both CCT.
- 30W is available on 5000K only.
- 50W is available on 3000K only.
- Yoke is available on 50W 3000K only.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.