

FLD-OL-40-D2/4/8

Cree OL Series™ Flood Luminaire – 40° Flood Optic – Direct Rotatable 2', 4', or 8'

Product Description

Slim low profile design. Luminaire is constructed from rugged die cast aluminum housing and die cast end caps for superior heat dissipation and durability. Integral weather-tight LED driver compartment and high performance aluminum heat sinks. Rugged die cast mounting pads provide for solid and secure luminaire mounting. Optional field adjustable extruded mounting arms to space luminaire up to 18" (457mm) away from the mounting surface. Luminaire body is rotatable 360° in 5° increments for proper aiming and uniform illumination. Rotation is clearly marked with index marks on end caps.

Performance Summary

Utilizes BetaLED® Technology

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 5700K (+ / - 500K) Standard, 4000K (+ / - 100K), 3500K (+ / - 100K)

Limited Warranty: 10 years on luminaire / 10 years on Colorfast DeltaGuard® finish

Accessories

Field Installed Accessories

9" (229mm) Extension Arm

Spaces luminaire center 9" (229mm) away from the mounting surface

XA-XFR9SV

XA-XFR9WH

XA-XFR9BK

XA-XFR9PB

XA-XFR9BZ

18" (457mm) Extension Arm

Spaces luminaire center 18" (457mm) away from the mounting surface

XA-XFR18SV

XA-XFR18WH

XA-XFR18BK

XA-XFR18PB

XA-XFR18BZ

12" (305mm) Extension Arm

Spaces luminaire center 12" (305mm) away from the mounting surface

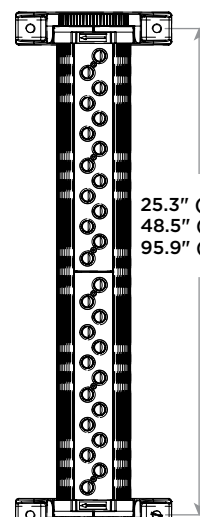
XA-XFR12SV

XA-XFR12WH

XA-XFR12BK

XA-XFR12PB

XA-XFR12BZ

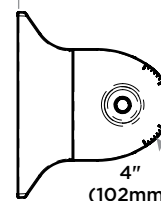


25.3" (0.64mm) for 2'
48.5" (1.2mm) for 4'
95.9" (2.4mm) for 8'

6.5" (165mm)

0.4 Mounting Holes (4 Places) for Customer Supplied 3/8" (9.2mm) Mounting Bolts

6.5" (165mm)



4" (102mm)

Ordering Information

Example: FLD-OL-40-D2-07-D-UL-SV-350-OPTIONS

| FLD-OL | 40 | | | D | | | | |
|---------|-----------------|-------------------|-----------------|---------|--|--|--|--|
| Product | Optic | Mounting | LED Count (x10) | Version | Voltage | Color Options | Drive Current | Options |
| FLD-OL | 40 40° Flood | D2* D4* D8* | 07 14 | D | UL Universal 120-277V UH Universal 347-480V | SV Silver (Standard) BK Black BZ Bronze PB Platinum Bronze WH White | 350 350mA 525 525mA 700 700mA | 40K 4000K Color Temperature - Color temperature per light bar; minimum 80 CRI 35K 3500L Color Temperature - Color temperature per light bar; minimum 80 CRI DIM 0-10V Dimming - Control by others - Refer to dimming spec sheet for details - Can't exceed specified drive current |

* See www.cree.com/lighting/products/warranty for warranty terms

* D = Direct Rotatable; 2 = 2' (.6m); 4 = 4' (1.2m); 8 = 8' (2.4m)



Rev. Date: 06/19/2014



Product Specifications

CONSTRUCTION & MATERIALS

- Slim low profile design
- Luminaire is constructed from rugged extruded aluminum housing and die cast end caps for superior heat dissipation and durability
- Integral weather-tight LED driver compartment and high performance aluminum heat sinks
- Rugged die cast mounting pads provide for solid and secure luminaire mounting
- Optional field installable extruded aluminum arms to space luminaire up to 18" (457mm) away from the mounting surface
- Luminaire body is rotatable 360° in 5° increments for proper aiming and uniform illumination. Rotation is marked on end caps with index marks
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Standard is silver. Bronze, black, white, and platinum bronze are also available

ELECTRICAL SYSTEM

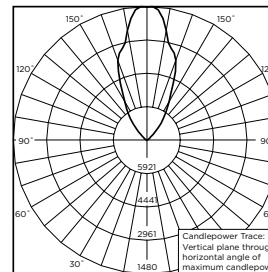
- **Input Voltage:** 120-277V or 347-480V, 50 / 60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- 36" (914mm) outdoor rated flexible cord provided for electrical connection
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C / D breaker should be used

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- 10kV surge suppression protection tested in accordance with IEEE / ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- RoHS Compliant
- Meets Buy American requirements within ARRA

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



ITL Test Report #: 68434
FLD-OL-40-RD-24-14-D-UL-700
Initial Delivered Lumens: 4588

IES Files

To obtain an IES file specific to your project consult:
<http://www.cree.com/lighting/tools-and-support/exterior-ies-configuration-tool>

Lumen Output, Electrical, and Lumen Maintenance Data

| 40° Flood Distribution | | | | | | | | | | | |
|------------------------------|----|--------------------------|--------------------------|-----------------------|---------------|------|------|------|------|------|--|
| LED Count / ft (m) | | 5700K | 4000K | System Watts 120-480V | TOTAL CURRENT | | | | | | 50K Hours Projected Lumen Maintenance Factor @ 15° C (59° F)** |
| | | Initial Delivered Lumens | Initial Delivered Lumens | | 120V | 208V | 240V | 277V | 347V | 480V | |
| 350mA @ 25° C (77° F) | | | | | | | | | | | |
| 2ft (.6m) | 07 | 1,271 | 1,115 | 19 | 0.16 | 0.11 | 0.08 | 0.09 | 0.07 | 0.07 | 93% |
| | 14 | 2,492 | 2,186 | 35 | 0.28 | 0.18 | 0.18 | 0.16 | 0.11 | 0.09 | |
| 4ft (1.2m) | 07 | 2,542 | 2,229 | 35 | 0.28 | 0.18 | 0.18 | 0.16 | 0.11 | 0.09 | |
| | 14 | 4,983 | 4,371 | 64 | 0.54 | 0.32 | 0.28 | 0.25 | 0.15 | 0.19 | |
| 8ft (2.4m) | 07 | 5,083 | 4,459 | 64 | 0.54 | 0.32 | 0.28 | 0.25 | 0.15 | 0.19 | |
| | 14 | 9,966 | 8,742 | 126 | 1.10 | 0.65 | 0.58 | 0.53 | 0.26 | 0.36 | |
| 525mA @ 25° C (77° F) | | | | | | | | | | | |
| 2ft (.6m) | 07 | 1,855 | 1,627 | 25 | 0.21 | 0.16 | 0.11 | 0.09 | 0.08 | 0.09 | 92% |
| | 14 | 3,638 | 3,191 | 50 | 0.41 | 0.25 | 0.22 | 0.20 | 0.12 | 0.15 | |
| 4ft (1.2m) | 07 | 3,711 | 3,255 | 50 | 0.41 | 0.25 | 0.22 | 0.20 | 0.12 | 0.15 | |
| | 14 | 7,275 | 6,382 | 94 | 0.81 | 0.48 | 0.41 | 0.37 | 0.28 | 0.21 | |
| 8ft (2.4m) | 07 | 7,421 | 6,510 | 94 | 0.81 | 0.48 | 0.41 | 0.37 | 0.28 | 0.21 | |
| | 14 | 14,551 | 12,764 | 187 | 1.61 | 0.94 | 0.81 | 0.73 | 0.55 | 0.41 | |
| 700mA @ 25° C (77° F) | | | | | | | | | | | |
| 2ft (.6m) | 07 | 2,338 | 2,051 | 37 | 0.32 | 0.23 | 0.17 | 0.18 | 0.11 | 0.09 | 90% |
| | 14 | 4,584 | 4,021 | 66 | 0.55 | 0.33 | 0.29 | 0.26 | 0.20 | 0.15 | |
| 4ft (1.2m) | 07 | 4,676 | 4,102 | 66 | 0.55 | 0.33 | 0.29 | 0.26 | 0.20 | 0.15 | |
| | 14 | 9,169 | 8,043 | 126 | 1.09 | 0.64 | 0.54 | 0.48 | 0.37 | 0.27 | |
| 8ft (2.4m) | 07 | 9,353 | 8,204 | 126 | 1.09 | 0.64 | 0.54 | 0.48 | 0.37 | 0.27 | |
| | 14 | 18,338 | 16,086 | 251 | 2.17 | 1.26 | 1.08 | 0.96 | 0.73 | 0.54 | |

* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf. Valid with no tilt.
 ** Projected L₇₀ (10K) Hours: >60,000. For recommended lumen maintenance factor data see TD-13

