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 four wattages and features a long-lasting driver with a highly efficient LED engine for precise optical control. On 150W Select models, an external switch offers the ability to adjust the CCT to 3000, 4000, 5000, or 5700K. Knuckle or yoke mounts are available on all models and additional arms on the 150W. The OFL3 makes 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

Optical System
- Impact-resistant polycarbonate lens creates uniform light distribution
- NEMA 7H x 7V distribution
- Single CCT LED used for 5000K standard models.
- Selectable 150W model uses a dual emitter array that enables CCT selection of 3000, 4000, 5000 or 5700K
- 70+ CRI

Electrical
- Input voltage of 120-277VAC
- Power factor: >0.9
- THD < 20%
- Available in 15 watt, 30 max watt, 50 max watt, and 150 max watt
- 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 viariety of mounting patterns
  - Adjustment range of 0° to 180°
  - Not available on 15W fixture
- Accessory arms for 150W fixture available: Straight Arm, Trunion, Slipfitter, Slipfitter Wall adapter.
- 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
- cULus 1598 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 >54,000 hours
- DLC 5.1 Premium

Warranty

OFL3
LED Flood Light
2000 - 23000 Lumens
5000K and Selectable CCT

Ordering

Ordering Information						Example: OFL2030MV50BZK
Series	**Version**	**Wattage**	**Voltage**	**CCTs**	**Finish**	**Mounting**
OFL	**3**	☐ **015** (15 W)	**MV** (120-277)	☐ **50** (5000 K)	**BZ** (Bronze)	☐ **Blank** (none)[3]
		☐ **030** (30 W)		☐ **S** (Selectable)[1]		☐ **K** (Knuckle)
		☐ **050** (50 W)				☐ **Y** (Yoke)[4]
		☐ **150** (150 W)				

Specifications and dimensions subject to change without notice.
1) CCT Selectable only available on 150W fixture
3) 150W fixture mounting must be selected from Accessories list.
4) Yoke not available on 15W fixture

Accessories for 150W model only	*Accessories sold separately*
150W Yoke - Bronze	OFL3150YOKEBZ
Straight Mounting Arm - Bronze	OFL3STRAIGHTARMBZ
Trunnion Mounting Arm - Bronze	OFL3TRUNNIONBZ
Slipfitter Arm - Bronze	OFL3SLIPFITARMBZ

Performance Data

Performance Data					
Model Number	CCT	Lumens	Watts	Lumens/Watt	NEMA Type
OFL3015MV50	5000	1900	15	130	7 H x 6 V
OFL3030MV50	5000	667	5	135	7 H x 6 V
		1333	10		
		2667	20		
		4000	30		
OFL3050MV50	5000	2680	20	135	7 H x 7 V
		4020	30		
		5360	40		
		6700	50		
OFL3150MV50	5000	6833	50	137	7 H x 7 V
		10933	80		
		13667	100		
		20500	150		
OFL3150MVS	3000	6156	50	125	7 H x 6 V
	4000	6325			
	5000	6250			
	5700	6206			
	3000	9850	80	125	
	4000	10120			
	5000	10000			
	5700	9930			
	3000	12313	100	125	
	4000	12650			
	5000	12500			
	5700	12413			
	3000	18469	150	125	
	4000	18975			
	5000	18750			
	5700	18619			

Photometric Data

OFL3015 5000K

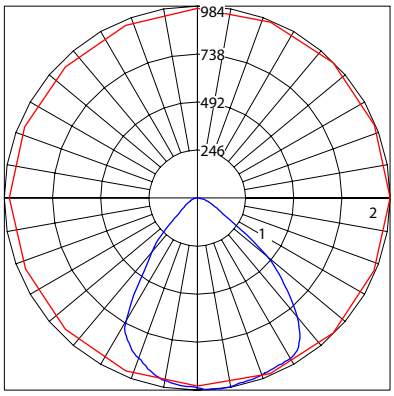
Input Voltage (VAC)	120-277
System Level Power (W)	14.7
120V Current (A)	0.12
277V Current (A)	0.05
Delivered Lumens (Lm)	2164
System Efficacy (Lm/W)	147.2
Correlated Color Temp (K)	4989
Color Rendering Index (CRI)	73
Horizontal Beam Angle (°)	113.6
Spacing Criteria (0-180)	1.44
NEMA Type	7H x 6V

Intensity Summary (Candle Power)

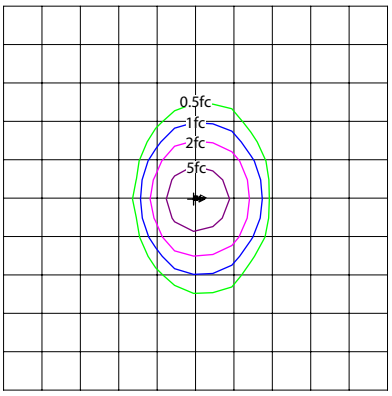
Angle	Mean CP
0	972
5	979
15	962
25	940
35	902
45	669
55	290
65	100
75	48
85	2
90	0

Zonal Lumen Summary

Zone	Lumens	%of Luminaire
0-30	763	35.2%
0-40	1239	57.2%
0-60	1957	90.4%
0-90	2164	100%
90-180	0	0%
0-180	2164	100%



1 - Vertical Plane Through Horizontal Angle
2 - Horizontal Cone Through Vertical Angle



10' Mounting Height (1 square = 100 sq ft)

OFL3030 5000K

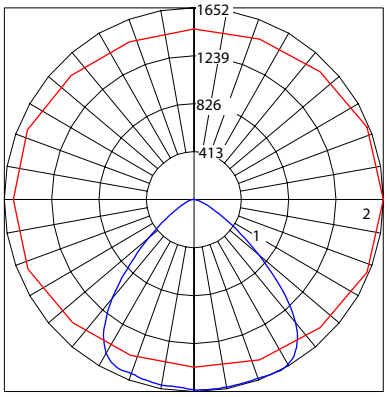
Input Voltage (VAC)	120-277
System Level Power (W)	29.5
120V Current (A)	0.25
277V Current (A)	0.11
Delivered Lumens (Lm)	4442
System Efficacy (Lm/W)	150.6
Correlated Color Temp (K)	5025
Color Rendering Index (CRI)	74
Horizontal Beam Angle (°)	108.5
Spacing Criteria (0-180)	1.46
NEMA Type	7H x 6V

Intensity Summary (Candle Power)

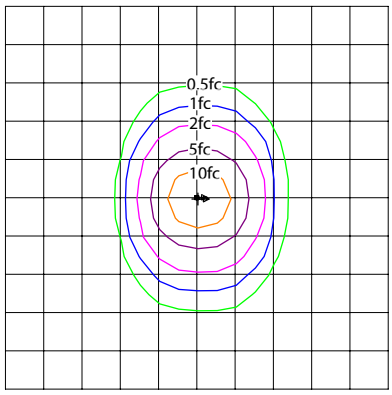
Angle	Mean CP
0	1754
5	1756
15	1756
25	1749
35	1672
45	1264
55	605
65	202
75	58
85	3
90	0

Zonal Lumen Summary

Zone	Lumens	%of Luminaire
0-30	1421	32%
0-40	2372	53.4%
0-60	3945	88.8%
0-90	4442	100%
90-180	0	0%
0-180	4442	100%



1 - Vertical Plane Through Horizontal Angle
2 - Horizontal Cone Through Vertical Angle



10' Mounting Height (1 square = 100 sq ft)

OFL3050 5000K

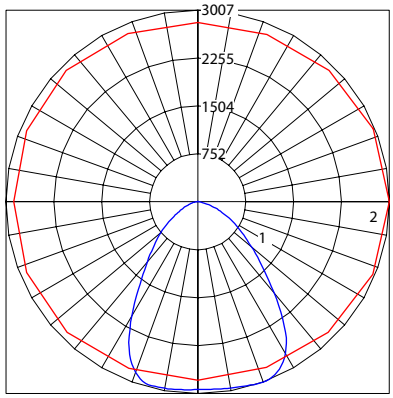
Input Voltage (VAC)	120-277
System Level Power (W)	46.4
120V Current (A)	0.39
277V Current (A)	0.17
Delivered Lumens (Lm)	6809
System Efficacy (Lm/W)	146.7
Correlated Color Temp (K)	4912
Color Rendering Index (CRI)	74
Horizontal Beam Angle (°)	108.5
Spacing Criteria (0-180)	1.32
NEMA Type	7H x 7V

Intensity Summary (Candle Power)

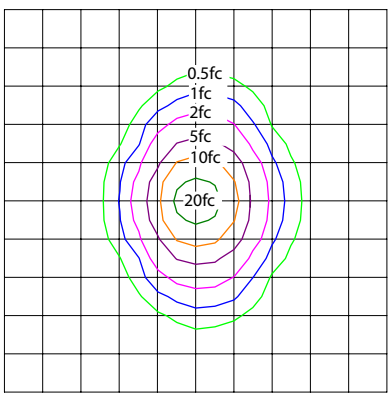
Angle	Mean CP
0	2946
5	2944
15	2964
25	2946
35	2484
45	1544
55	861
65	474
75	183
85	4
90	0

Zonal Lumen Summary

Zone	Lumens	%of Luminaire
0-30	2375	34.9%
0-40	3807	55.9%
0-60	6015	88.3%
0-90	6809	100%
90-180	0	0%
0-180	6809	100%



1 - Vertical Plane Through Horizontal Angle
2 - Horizontal Cone Through Vertical Angle



10' Mounting Height (1 square = 100 sq ft)

Photometric Data

OFL3150 5000K

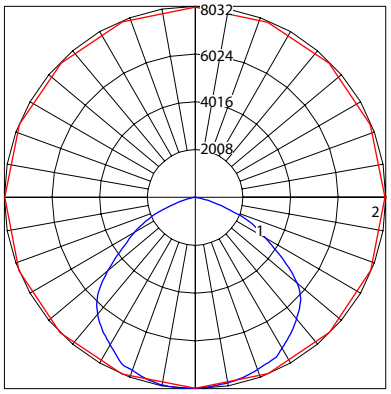
Input Voltage (VAC)	120-277
System Level Power (W)	151.2
120V Current (A)	1.26
277V Current (A)	0.55
Delivered Lumens (Lm)	23059
System Efficacy (Lm/W)	152.5
Correlated Color Temp (K)	5043
Color Rendering Index (CRI)	73
Horizontal Beam Angle (°)	119.5
Spacing Criteria (0-180)	1.32
NEMA Type	7 H x 7 V

Intensity Summary (Candle Power)

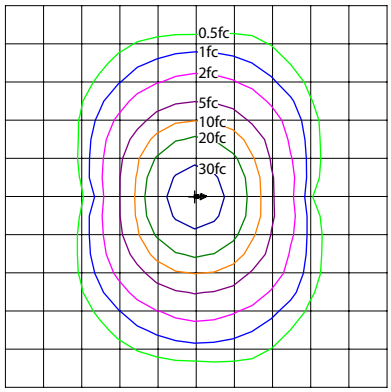
Angle	Mean CP
0	8591
5	8561
15	8440
25	8007
35	7213
45	5655
55	3287
65	1446
75	219
85	30
90	0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	6938	30.1%
0-40	11629	50.4%
0-60	20091	87.1%
0-90	23059	100%
90-180	0	0%
0-180	23059	100%



1 - Vertical Plane Through Horizontal Angle
2 - Horizontal Cone Through Vertical Angle



10' Mounting Height (1 square = 100 sq ft)

OFL3150 Selectable 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	152.1
120V Current (A)	1.27
277V Current (A)	0.55
Delivered Lumens (Lm)	19261
System Efficacy (Lm/W)	126.6
Correlated Color Temp (K)	5072
Color Rendering Index (CRI)	73
Horizontal Beam Angle (°)	107.8
Spacing Criteria (0-180)	1.10
NEMA Type	7 H x 6 V

CCT Data Multiplier

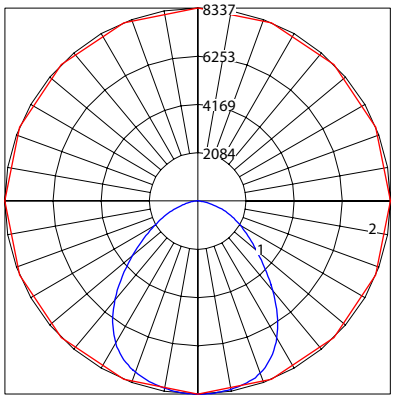
3000K	0.985
4000K	1.012
5700K	0.993

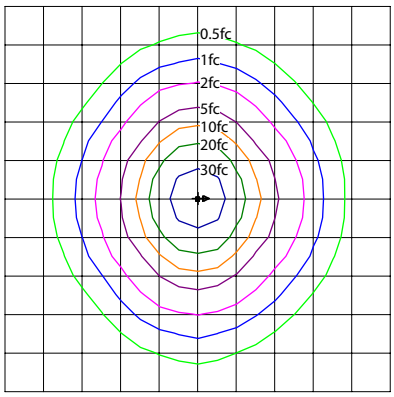
Intensity Summary (Candle Power)

Angle	Mean CP
0	8332
5	8319
15	8134
25	7075
35	5123
45	3669
55	2694
65	1722
75	642
85	27
90	0

Zonal Lumen Summary

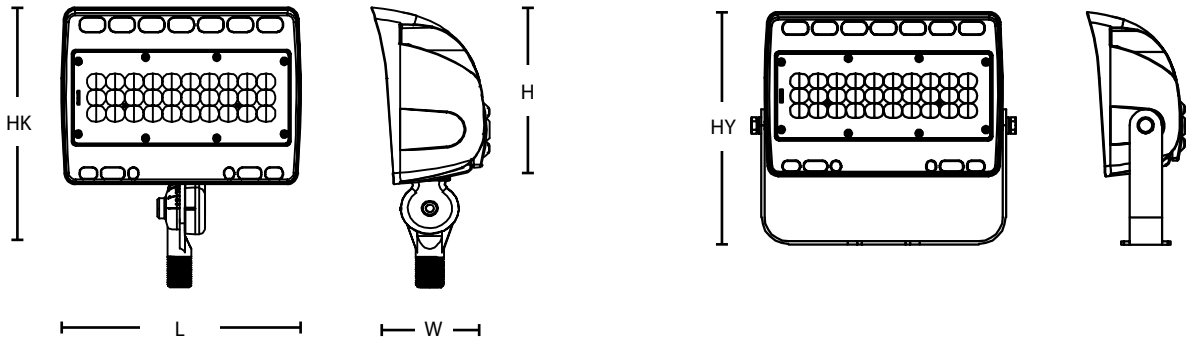
Zone	Lumens	% of Luminaire
0-30	6466	33.6%
0-40	10232	53.1%
0-60	16477	85.5%
0-90	19261	100%
90-180	0	0%
0-180	19261	100%





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

Dimensions



	15W	30W	50W	150W
Fixture Length (L)	4.7 in (120 mm)	6.9 in (175 mm)	8.6 in (218 mm)	12.5 in (317 mm)
Fixture Width (W)	2.6 in (66 mm)	3.1 in (78 mm)	3.5 in (90 mm)	3.5 in (90 mm)
Fixture Height (H)	3.3 in (83 mm)	4.8 in (121 mm)	5.9 in (151 mm)	9.5 in (241 mm)
Height w/ Knuckle	6.0 in (153 mm)	8.4 in (213 mm)	9.4 in (239 mm)	11 in (280 mm)
Height w/ Yoke	N/A	7.2 in (183 mm)	8.4 in (214 mm)	11 in (280 mm)