

# Octans

## LED Adjustable Sconce

### Product Description

The Octans LED Adjustable Sconce features next-generation design with Single CCT and Selectable CCT models. With efficiencies up to 140 lumens per watt, the Octans provides optimal light in a compact, adjustable design. Using a separable hinged backplate, the Octans is easy to install on walls or directly to a J-Box, and is adjustable from 0 to 90-degrees. On Select models, an internal switch offers the ability to adjust the CCT to 3000, 4000, 5000, or 5700K. It is an economical and efficient replacement for a traditional wall pack and is ideal for accent or general purpose exterior lighting.

#### Construction

- Die-cast aluminum housing
- (4) 1/2" knockouts for conduit feeder or sensors
- Toolless separable hinged backplate for easy installation and maintenance
- Adjustable range of 0° to 90°
- UV- and fire-resistant lens
- Stainless steel hardware

#### Optical System

- Clear injection-molded acrylic creates uniform light distribution while maximizing lumen output
- Utilizes advanced LED technology with CCT of 5000K or CCT Selectable (3000, 4000, 5000, 5700K)
- 70 CRI to improve safety and color definition in public places.

#### Electrical

- Thermally-protected, high-efficiency driver
- Operating temperature rating of -4° to 104°F (-40°C to 40°C)
- Input voltage of 120-277VAC
- Available in 50 & 120 watt max
- Photocell optional
- Driver delivers full-range dimming from 0 - 10VDC

#### Finish

- Fine-textured, UV-stabilized powder coat bronze finish

#### Mounting and installation

- Separable hinged backplate to allow for easy mounting
- Fixture mounts directly to J-Boxes and walls with screws
- 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 Listed for wet locations
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- TM-21 Reported L70(9k) life >54,000 hours for Single CCT versions
- TM-21 Reported L70(15k) life >90,000 hours for Selectable CCT versions
- DLC 5.1 Premium

#### Warranty

Project

Catalog

Type

Date



**OSA3**  
**LED Adjustable Sconce**  
6,000/16,000 Lumen  
5000K and CCT Selectable



**NICOR**  
**select** **NICOR**  
**OUTDOOR**

# Ordering

## Ordering Information

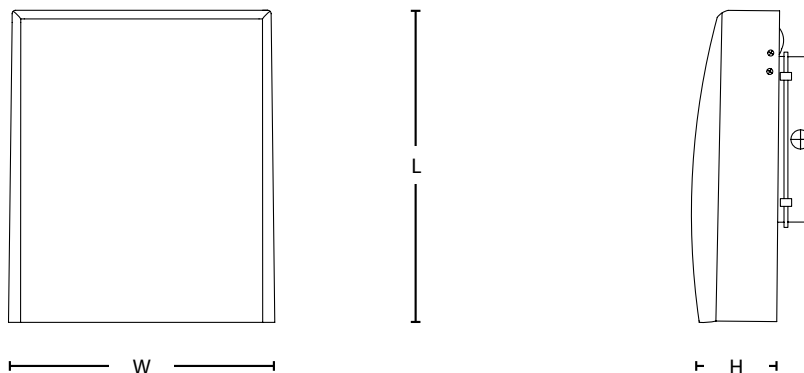
Example: OSA3050MV50BZ

Series	Version	Wattage	Voltage	CCTs	Finish	FALO Switch	Photocell
OSA	3	050 (50 W)	MV (120-277)	50 (5000 K) <sup>1</sup>	BZ (Bronze)	Blank (Ver. 0)	Blank (None)
		120 (120 W)		S (Select 3/4/5/57K)		A (Ver. 1)	P (Photocell)

Specifications and dimensions subject to change without notice.

<sup>1</sup>) 5000K available on 50W only

## Dimensions



	50 W	120 W
Fixture Length:	11 in (280 mm)	13 in (330 mm)
Fixture Width:	7.6 in (193 mm)	11 in (280 mm)
Fixture Height:	4.5 in (114 mm)	5.5 in (140 mm)

## Photometric Data

### OSA3050 5000K

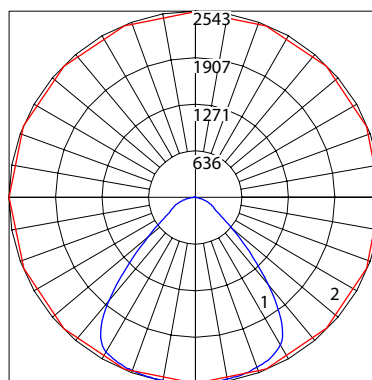
Input Voltage (VAC)	120-277
System Level Power (W)	45.7
120V Current (A)	0.38
277V Current (A)	0.16
Delivered Lumens (Lm)	6191
System Efficacy (Lm/W)	135.5
Correlated Color Temp (K)	4979
Color Rendering Index (CRI)	73
Horizontal Beam Angle (°)	112.7
Vertical Beam Angle (°)	88.0
Spacing Criteria (0-180)	1.32
Spacing Criteria (90-270)	1.30
BUG Rating	B3-U0-G1

### Intensity Summary (Candle Power)

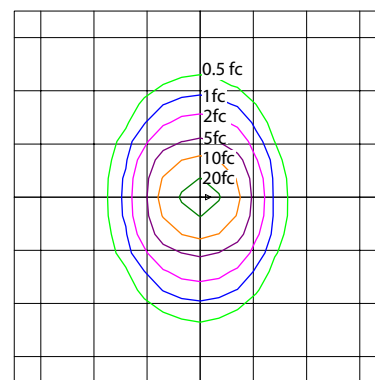
Angle	Mean CP
0	2536
5	2525
15	2477
25	2387
35	2112
45	1196
55	464
65	235
75	109
85	6
90	0

### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	2036	32.9%
0-40	3368	54.4%
0-60	5429	87.7%
0-90	6191	100%
90-180	0	0%
0-180	6191	100%



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



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

# Photometric Data

## OSA3050 Selectable 5000K

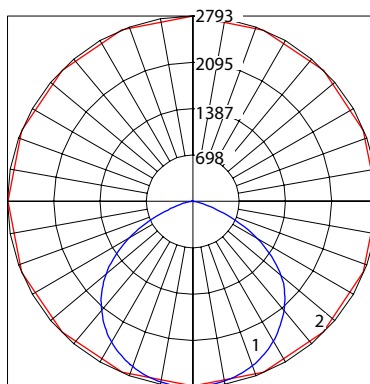
Input Voltage (VAC)	120-277
System Level Power (W)	51.1
120V Current (A)	0.43
277V Current (A)	0.18
Delivered Lumens (Lm)	6925
System Efficacy (Lm/W)	135.8
Correlated Color Temp (K)	4795
Color Rendering Index (CRI)	75
Horizontal Beam Angle (°)	113.6
Vertical Beam Angle (°)	92.6
Spacing Criteria (0-180)	1.36
Spacing Criteria (90-270)	1.32
BUG Rating	B3-U0-G1

## Intensity Summary (Candle Power)

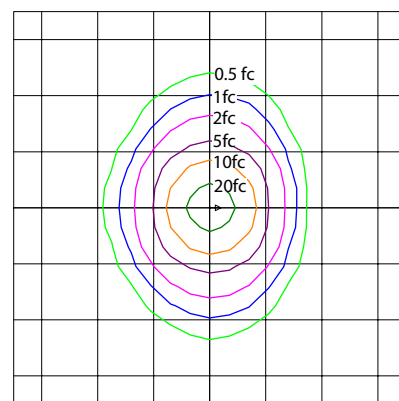
Angle	Mean CP
0	2786
5	2788
15	2759
25	2695
35	2484
45	1826
55	859
65	279
75	77
85	3
90	0

## Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	2218	32%
0-40	3657	52.8%
0-60	6060	87.5%
0-90	6925	100%
90-180	0	0%
0-180	6925	100%



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



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

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

## CCT Data Multiplier

3000K	0.877
4000K	1.008
5700K	0.931

## OSA3120 Selectable 5000K

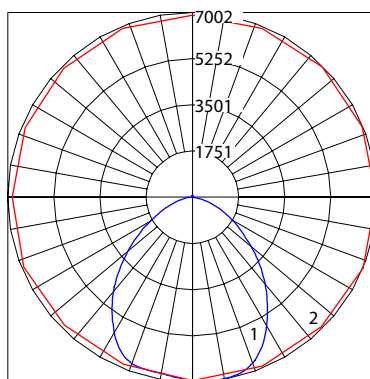
Input Voltage (VAC)	120-277
System Level Power (W)	122.9
120V Current (A)	1.02
277V Current (A)	0.44
Delivered Lumens (Lm)	17021
System Efficacy (Lm/W)	138.6
Correlated Color Temp (K)	4838
Color Rendering Index (CRI)	75
Horizontal Beam Angle (°)	106.9
Vertical Beam Angle (°)	93.0
Spacing Criteria (0-180)	1.18
Spacing Criteria (90-270)	1.26
BUG Rating	B4-U0-G3

## Intensity Summary (Candle Power)

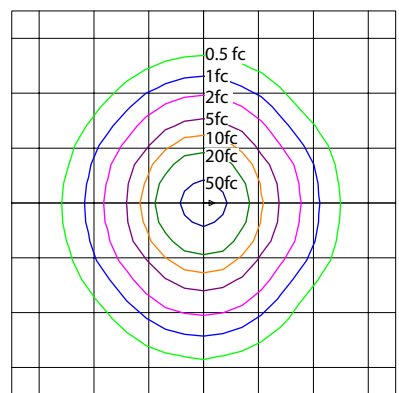
Angle	Mean CP
0	6955
5	6969
15	6886
25	6240
35	4906
45	3492
55	2213
65	1225
75	423
85	33
90	0

## Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	5474	32.2%
0-40	8854	52%
0-60	14577	85.6%
0-90	17021	100%
90-180	0	0%
0-180	17021	100%



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



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

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

## CCT Data Multiplier

3000K	0.925
4000K	1.013
5700K	0.946

## Performance Data

Model Number	CCT	Lumens	Watts	Lumens/Watt	BUG Rating
OSA3050MV50	5000	6191	45.7	135.5	B3-U0-G1
	3000	6072	50.1	121.3	
	4000	6982	50.4	138.5	
	5000	6925	51.1	135.5	
OSA3050MVS	5000	6449	51.2	125.9	B3-U0-G1
	3000	15740	124.9	126.1	
	4000	17239	123.6	139.5	
OSA3120MVS	5000	17021	122.9	138.6	B4-U0-G3
	5000	17021	122.9	138.6	
	5700	16105	122.9	131.0	

## Recommended 0-10VDC Dimmers\*

- Lutron NTSTV
- Lutron DVSTV
- Cooper SF10P
- Legrand RH4FBL3PW

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

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 B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.