### **Product Description**

The Octans LED Adjustable Sconce provides uniform light distribution with optimal output up to 118 lumens per watt in a compact, seamless 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. It is an economical and efficient replacement for a traditional wall pack and is ideal for accent or general purpose exterior lighting. The Octans can also be used as a flood light for certain applications.

#### 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 4000K, and 5000K • CRI 80+

- Electrical
- Thermally-protected, high-efficiency driver
- Operating temperature rating of -4° to 104°F (-20°C to 40°C)
- Input voltage of 120-277VAC • Available in 30, 50, 80, & 120 watt
- Photocell optional

Driver delivers full-range dimming from 0 - 10VDC on 80W and 120W

#### 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
- UL and CUL 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
- TM-21 Projected L70(9k) life =75,000 hours

#### Warranty

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

Project

Catalog

Type

Date





### 30/50 W

11 in (280 mm)

7.6 in (193 mm)

4.5 in (114 mm)

Fixture Length: Fixture Width: Fixture Height: 80/120 W 13 in (330 mm) 11 in (280 mm) 5.5 in (140 mm)





### **Photometric Data**

# **OSA30 5000K**

Input Voltage (VAC)	120-277	Angle
System Level Power (W)	27.9	0
120V Current (A)	0.24	5 15
277V Current (A)	0.11	25
Delivered Lumens (Lm)	3298	35
System Efficacy (I m/W)	118 3	45
	110.5	55
Correlated Color Temp (K)	5246	65
Color Rendering Index (CRI)	83	75
Horizontal Roam Angle	101 70	85
Horizontal Beam Angle	101.7	90
Vertical Beam Angle	91.8°	
Spacing Criteria	1.30	CCT Da

Intensity Summary (Candle Power) Mean CP 1343 1328 1252 1137 967 761 533 307 131 41 21 ta Multiplier

138

104

694

34

OSA1030MV40 0.982

Zonal Lumen Summary				
Zone	Lumens	% of Luminaire		
0-30	1011	30.6%		
0-40	1624	49.2%		
0-60	2709	82.2%		
0-90	3230	97.9%		
90-180	68	2.1%		
0-180	3298	100.0%		

# **OSA50 5000K**

OSA50 5000K		Intensity (Candle	Summary Power)	
Input Voltage (VAC)	120-277	_	Angle	Mean CP
System Level Power (W)	48.2	-	0	2299
120V Current (A)	0.41		5	2287
	0.10	-	15	21/8
277V Current (A)	0.18		25	1952
Delivered Lumens (Lm)	5287		35	1634
(,	5207		45	1244
System Efficacy (Lm/W)	109.8	-	55	819
Correlated Color Temp (K)	5100		65	423
Color Rendering Index (CRI)	84		75	165
(,	0.	-	85	54
Horizontal Beam Angle	99°		90	30
Vertical Beam Angle	89.7°			
Spacing Criteria	1.26		CCT Data	Multiplier

OSA1050MV40 0.947

	Zonal Lumen Summa	ry
Zone	Lumens	% of Luminaire
0-30	1730	32.7%
0-40	2753	52.1%
0-60	4464	84.4%
0-90	5162	97.6%
90-180	125	2.4%
0-180	5287	100.0%



Each square represents 100 square feet.

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





### **Photometric Data**

# OSA80 5000K

Input Voltage (VAC)	120-277	Angle
System Level Power (W)	80.4	0
120V Current (A)	0.67	5
	0.07	15
277V Current (A)	0.30	25
Delivered Lumens (Lm)	9241	35
C		45
System Efficacy (Lm/W)	114.9	55
Correlated Color Temp (K)	5176	65
Color Rendering Index (CRI)	84	75
Horizontal Roam Angla	05 F°	85
Horizontal Beam Angle	95.5	90
Vertical Beam Angle	79.2°	
Spacing Criteria	1.24	CCT Data

OSA1080MV40 0.980

Zonal Lumen Summary				
Zone	Lumens	% of Luminaire		
0-30	3160	34.2%		
0-40	4971	53.8%		
0-60	7833	84.8%		
0-90	9041	97.8%		
90-180	200	2.2%		
0-180	9241	100.0%		

# OSA120 5000K

 Angle	Moon CD
	mean CP
0	5685
5	5696
15	5668
 25	5272
35	4441
45	3333
 55	2186
65	1163
 75	476
85	140
90	69
CCT Data	Multiplier
	0 5 15 25 35 45 55 65 75 85 90 <b>CCT Data</b>

OSA1120MV40 0.970

Intensity Summary

Zonal Lumen Summary				
Zone	Lumens	% of Luminaire		
0-30	4596	32.3%		
0-40	7402	52.0%		
0-60	12004	84.4%		
0-90	13932	97.9%		
90-180	295	2.1%		
0-180	14227	100.0%		

Performance Data							
Model Number Lumens Watts Lumens/Watt BUG Rating at 0°							
OSA1030MV40	3239	27.9	116.1	B2-U3-G1			
OSA1030MV50	3298	27.9	118.3	B2-U3-G1			
OSA1050MV40	5193	48.2	107.8	B2-U3-G1			
OSA1050MV50	5287	48.2	109.8	B2-U3-G1			
OSA1080MV40	9056	80.4	112.6	B3-U3-G2			
OSA1080MV50	9241	80.4	114.9	B3-U3-G2			
OSA1120MV40	13796	123.8	111.4	B3-U3-G3			
OSA1120MV50	14227	123.8	114.9	B3-U3-G3			

### 114.9 B3-U3-G3



Each square represents 10 square feet.



Each square represents 10 square feet.

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

ers\*

commended 0-10VDC Dimm
Lutron NTSTV
Lutron DVSTV
Cooper SF10P

Rec

Legrand RH4FBL3PW

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



Ordering Information Example: OSA1030MV50BZP						
Series	Version	Wattage	Voltage	CCTs	Finish	Photocell
OSA	<b>1</b> (Version 1)	<b>030</b> (30 W)	<b>MV</b> (120-277)	<b>40</b> (4000 K)	BZ (Bronze)	Blank (None)
		<b>050</b> (50 W)		<b>50</b> (5000 K)	<b>WH</b> (White)	<b>P</b> (Photocell)
		<b>080</b> (80 W)				
		120 (120 W)				

Specifications and dimensions subject to change without notice.

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.

