Octans

LED Adjustable Sconce

Project

Catalog

Type

Date

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) ½" 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+

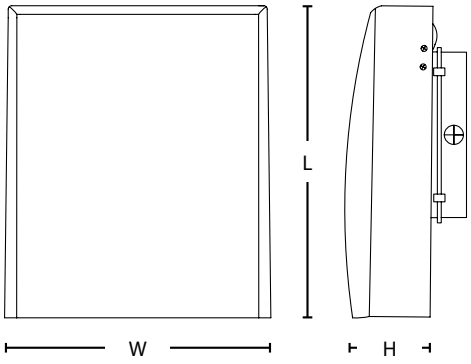
Electrical
- Thermally-protected, high-efficiency driver
- Operating temperature rating of -40° to 104°F (-40°C to 40°C)
- Input voltage of 120-277VAC
- Available in 30, 50, 80, & 120 watt
- Photocell optional
- Driver delivers full-range dimming from 0 - 10VDC on 80W and 120W

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)



	30/50 W	80/120 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)

c UL us LISTED · IP65 · WET LOCATION RATED · 5 YEAR WARRANTY

Photometric Data

OSA30 5000K

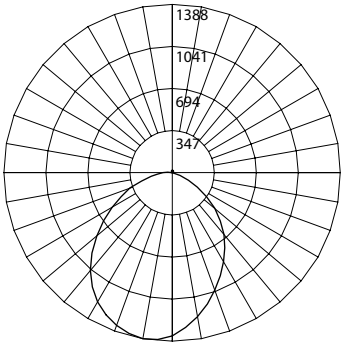
Input Voltage (VAC)	120-277
System Level Power (W)	27.9
120V Current (A)	0.24
277V Current (A)	0.11
Delivered Lumens (Lm)	3298
System Efficacy (Lm/W)	118.3
Correlated Color Temp (K)	5246
Color Rendering Index (CRI)	83
Horizontal Beam Angle	101.7°
Vertical Beam Angle	91.8°
Spacing Criteria	1.30

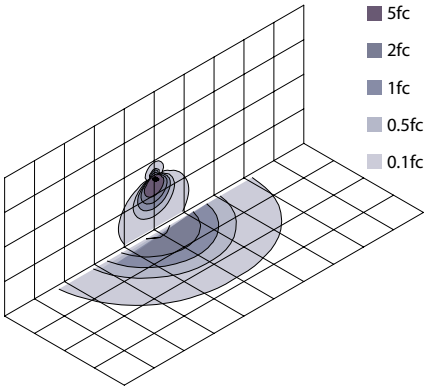
Intensity Summary (Candle Power)

Angle	Mean CP
0	1343
5	1328
15	1252
25	1137
35	967
45	761
55	533
65	307
75	131
85	41
90	21

CCT Data Multiplier

OSA1030MV40	0.982





Each square represents 100 square feet.

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

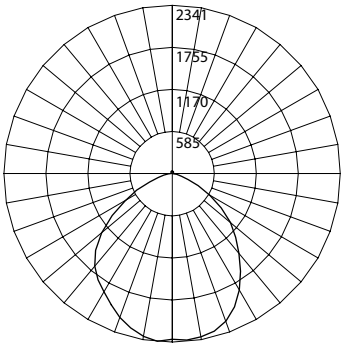
Input Voltage (VAC)	120-277
System Level Power (W)	48.2
120V Current (A)	0.41
277V Current (A)	0.18
Delivered Lumens (Lm)	5287
System Efficacy (Lm/W)	109.8
Correlated Color Temp (K)	5100
Color Rendering Index (CRI)	84
Horizontal Beam Angle	99°
Vertical Beam Angle	89.7°
Spacing Criteria	1.26

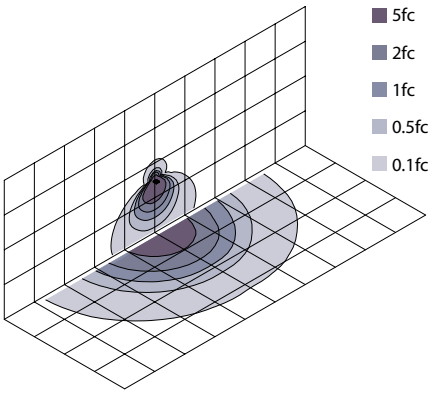
Intensity Summary (Candle Power)

Angle	Mean CP
0	2299
5	2287
15	2178
25	1952
35	1634
45	1244
55	819
65	423
75	165
85	54
90	30

CCT Data Multiplier

OSA1050MV40	0.947





Each square represents 100 square feet.

Zonal Lumen Summary

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%

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

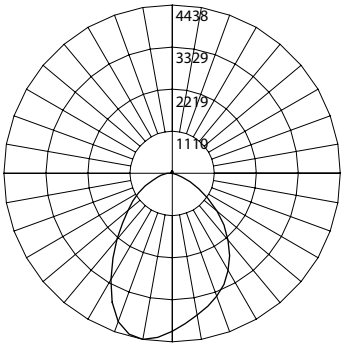
Input Voltage (VAC)	120-277
System Level Power (W)	80.4
120V Current (A)	0.67
277V Current (A)	0.30
Delivered Lumens (Lm)	9241
System Efficacy (Lm/W)	114.9
Correlated Color Temp (K)	5176
Color Rendering Index (CRI)	84
Horizontal Beam Angle	95.5°
Vertical Beam Angle	79.2°
Spacing Criteria	1.24

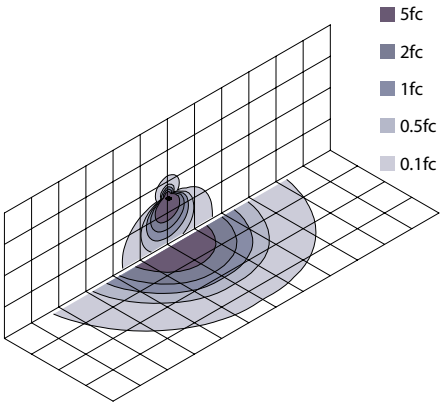
Intensity Summary (Candle Power)

Angle	Mean CP
0	4157
5	4133
15	3972
25	3557
35	2881
45	2099
55	1341
65	725
75	302
85	89
90	46

CCT Data Multiplier

OSA1080MV40	0.980





Each square represents 10 square feet.

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

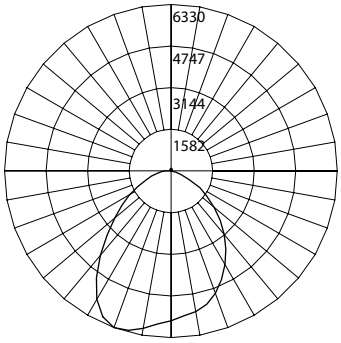
Input Voltage (VAC)	120-277
System Level Power (W)	123.8
120V Current (A)	1.04
277V Current (A)	0.45
Delivered Lumens (Lm)	14227
System Efficacy (Lm/W)	114.9
Correlated Color Temp (K)	5158
Color Rendering Index (CRI)	84
Horizontal Beam Angle	97.6°
Vertical Beam Angle	84.8°
Spacing Criteria	1.34

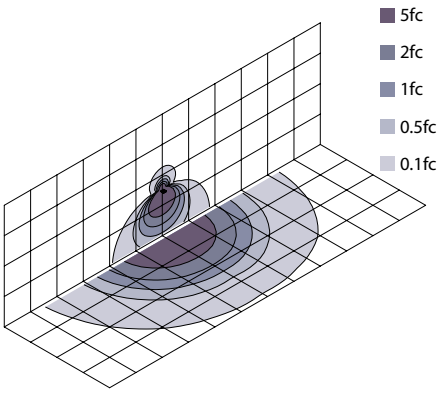
Intensity Summary (Candle Power)

Angle	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

OSA1120MV40	0.970





Each square represents 10 square feet.

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%

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

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

Recommended 0-10VDC Dimmers*

Lutron NTSTV
Lutron DVSTV
Cooper SF10P
Legrand RH4FBL3PW

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

Ordering Information

Example: OSA1030MV50BZP

Series	Version	Wattage	Voltage	CCTs	Finish	Photocell
OSA	**1** (Version 1)	☐ **030** (30 W)	**MV** (120-277)	☐ **40** (4000 K)	☐ **BZ** (Bronze)	☐ **Blank** (None)
		☐ **050** (50 W)		☐ **50** (5000 K)	☐ **WH** (White)	☐ **P** (Photocell)
		☐ **080** (80 W)				
		☐ **120** (120 W)				

Specifications and dimensions subject to change without notice.

Emergency Back-Up Accessories

8W Outdoor Remote EM Kit Bronze	EMO1080WRVBZ[1]
8W Outdoor Remote EM Kit White	EMO1080WRVWH[1]
18W Outdoor Remote EM Kit Bronze	EMO1180WRVBZ[2]
18W Outdoor Remote EM Kit White	EMO1180WRVWH[2]

Note:

1. *The 8-watt battery back-up is only compatible with the 30W, 50W, and 80W fixtures.*
2. *The 18-watt battery back-up is only compatible with the 120W fixtures.*

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.