Corvus

LED Wallpack

Project

Catalog

Type

Date

Product Description

The Corvus LED Wallpack features the classic design of a traditional wallpack with enhanced performance and efficiency. With output up to 127 lumens per watt, the Corvus delivers uniform light distribution with minimized glare and is easy to install on walls or directly to a J-Box with its separable hinged backplate. The Corvus has three knockouts for through-wiring or sensor additions and is an ideal solution for security and perimeter lighting.

Construction

- Die-cast aluminum housing
- (3) ½" knockouts for conduit feed or sensors
- Toolless, separable hinged backplate for easy installation and maintenance
- Stainless steel hardware

Optical System

- Tempered clear prismatic glass maximizes lumen output
- Utilizes advanced LED technology with CCT of 4000K and 5000K
- CRI 70+

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 50, 80, and 120 watt
- Photocell optional
- Driver delivers full-range dimming from 0 - 10VDC on 80W and 120W
- Power Factor = >0.9
- THD = <20%

Finish

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

Mounting and installation

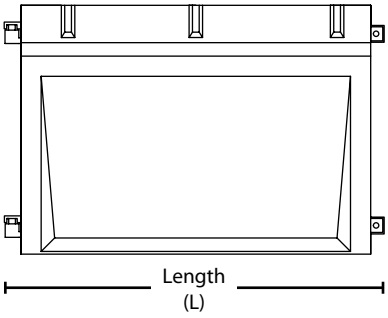
- Fixture mounts directly to J-Boxes and walls with screws
- Wiring possible through backplate or knockouts
- Separable hinged backplate to allow for easy mounting
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

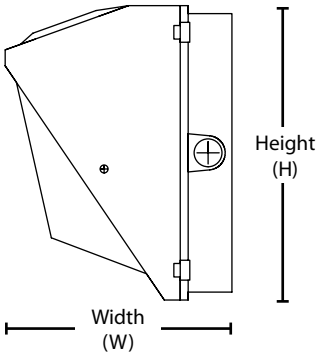
Listings

- 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)





Dimensions

Series	Length (L)	Width (W)	Height (H)
OWG1050	15.06 in (383 mm)	7.46 in (190 mm)	9.29 in (236 mm)
OWG1080	15.06 in (383 mm)	7.46 in (190 mm)	9.29 in (236 mm)
OWG1120	18.50 in (470 mm)	9.38 in (238mm)	9.29 in (236 mm)

Photometric Data

OWG1050 5000K

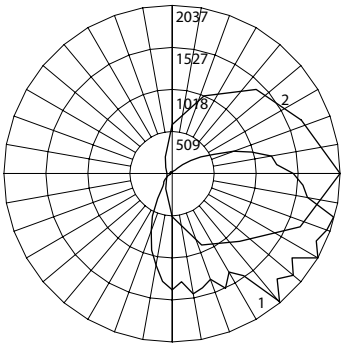
Input Voltage (VAC)	120-277
System Level Power (W)	48.0
120V Current (A)	0.40
277V Current (A)	0.18
Delivered Lumens (Lm)	5969
System Efficacy (Lm/W)	124.4
Correlated Color Temp (K)	4975
Color Rendering Index (CRI)	83
Horizontal Beam Angle	101.5°
Vertical Beam Angle	26.7°
Spacing Criteria	1.26

Intensity Summary (Candle Power)

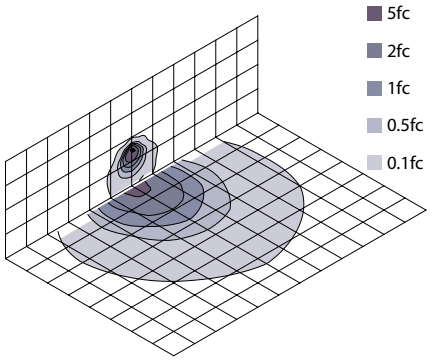
Angle	Mean CP
0	1407
5	1409
15	1274
25	1153
35	991
45	930
55	839
65	794
75	715
85	575
90	508

CCT Data Multiplier

OWG1050MV40	0.980



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



Each square represents 100 square feet.

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1000	16.7%
0-40	1603	26.9%
0-60	2981	49.9%
0-90	4917	82.4%
90-180	1052	17.6%
0-180	5969	100.0%

OWG1080 5000K

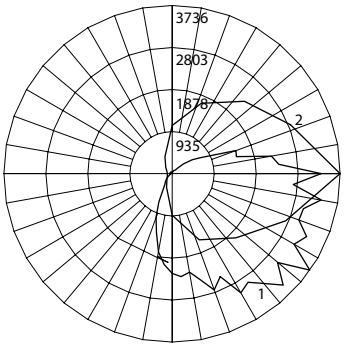
Input Voltage (VAC)	120-277
System Level Power (W)	78.2
120V Current (A)	0.63
277V Current (A)	0.28
Delivered Lumens (Lm)	9953
System Efficacy (Lm/W)	127.3
Correlated Color Temp (K)	4974
Color Rendering Index (CRI)	73
Horizontal Beam Angle	92.2°
Vertical Beam Angle	16°
Spacing Criteria	1.30

Intensity Summary (Candle Power)

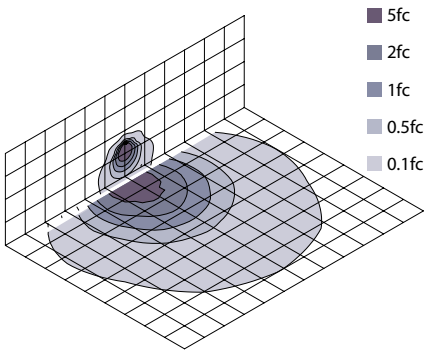
Angle	Mean CP
0	2213
5	2165
15	1984
25	1781
35	1644
45	1588
55	1414
65	1299
75	1153
85	977
90	1000

CCT Data Multiplier

OWG1080MV40	0.985



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



Each square represents 100 square feet.

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1566	15.7%
0-40	2548	25.6%
0-60	4809	48.3%
0-90	8030	80.7%
90-180	1923	19.3%
0-180	9953	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

OWG1120 5000K

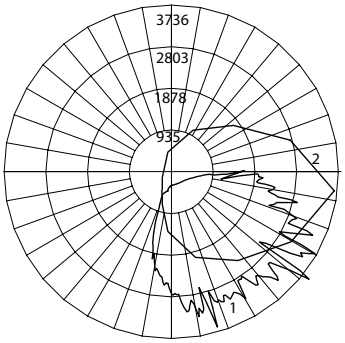
Input Voltage (VAC)	120-277
System Level Power (W)	116.7
120V Current (A)	1.66
277V Current (A)	1.66
Delivered Lumens (Lm)	14292
System Efficacy (Lm/W)	122
Correlated Color Temp (K)	4979
Color Rendering Index (CRI)	80
Horizontal Beam Angle	98.6°
Vertical Beam Angle	21°
Spacing Criteria	1.20

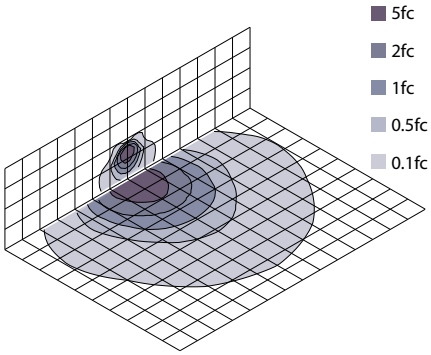
Intensity Summary (Candle Power)

Angle	Mean CP
0	3273
15	4292
30	4408
45	4444
60	4292
75	4403
90	3545
105	2813
120	886
135	321
150	200
165	81
180	8

CCT Data Multiplier

OWG1120MV40	0.985





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.

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	2462	17.2%
0-40	3881	27.2%
0-60	7115	49.8%
0-90	11749	82.2%
90-180	2543	17.8%
0-180	14292	100.0%

Performance Data

Model Number	Lumens	Watts	Lumens/Watt	BUG Rating
OWG1050MV40	5848	48.0	121.9	B1-U4-G4
OWG1050MV50	5969	48.0	124.4	B1-U4-G4
OWG1080MV40	9803	78.2	125.4	B2-U5-G5
OWG1080MV50	9953	78.2	127.3	B2-U5-G5
OWG1120MV40	14212	116.7	121.7	B2-U5-G5
OWG1120MV50	14475	116.8	123.9	B2-U5-G5

Recommended 0-10VDC Dimmers*

Lutron NTSTV
Lutron DVSTV
Cooper SF10P
Legrand RH4FBL3PW

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

Ordering Information *Example: OWG1050MV50BZP*

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