

Corvus

LED Wallpack

Project

Catalog

Type

Date



OWG2
LED Wallpack
7,000/11,000/16,000 Lumen
4000K and 5000K

Product Description

The Corvus LED Wallpack features the classic design of a traditional wallpack with enhanced performance and efficiency. With output up to 145 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
- Three (3) ½" knockouts for conduit feed or sensors
- Toolless, separable hinged backplate for easy installation and maintenance
- Stainless steel hardware
- Fine-textured, UV-stabilized powder coat bronze or white finish

Optical System

- Tempered clear prismatic glass maximizes lumen output
- Utilizes advanced LED technology and available in 4000K and 5000K.
- Standard 80 CRI to improve safety and color definition in public places.

Electrical

- Thermally-protected, high-efficiency driver
- Input voltage of 120-277VAC
- Power Factor = >0.9
- THD = <20%
- Operating temperature rating of -4° to 104°F (-20°C to 40°C)

Controls

- Photocell option
- Standard full-range dimming with compatible 0-10VDC dimmers on 80W and 120W models

Mounting and installation

- Fixture mounts directly to J-Box 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
- cULus 1598 Listed for wet locations
- IP65 Rated
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- TM-21 Reported L70(9k) life >54,000 hours

Warranty

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



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Ordering Information

Example: OWG2080MV508BZ

Series	Version	Wattage	Voltage	CCTs	CRI	CRI Finish	Photocell
OWG	2	050 (50 W - 7000lm)	MV (120-277)	40 (4000 K)	8 (80+)	BZ (Bronze)	Blank (None)
		080 (80 W - 11000lm)		50 (5000 K)		WH (White)	P (Photocell)
		120 (120 W - 16000lm)					

Specifications and dimensions subject to change without notice.

Performance Data

Model Number	Lumens	Watts	Lumens/Watt	BUG Rating
OWG2050MV408	6924	48.4	143.1	B1-U4-G4
OWG2050MV508	7029	48.4	145.1	B1-U4-G4
OWG2080MV408	10977	77.5	141.6	B2-U5-G5
OWG2080MV508	11144	77.5	143.8	B2-U5-G5
OWG2120MV408	15884	116.4	136.5	B3-U4-G5
OWG2120MV508	16126	116.4	138.5	B3-U4-G5

Recommended 0-10VDC Dimmers*

Lutron NTSTV
Lutron DVSTV
Cooper SF10P
Legrand RH4FBL3PW

*Not a complete list. Check compatibility before installation.

Photometric Data

OWG2050 5000K

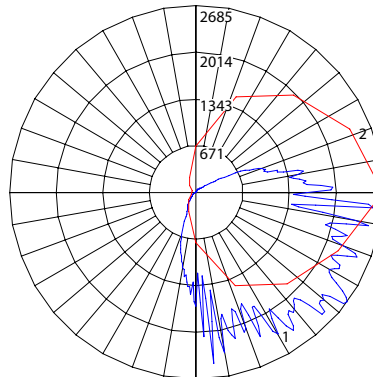
Input Voltage (VAC)	120-277
System Level Power (W)	48.4
120V Current (A)	0.40
277V Current (A)	0.17
Delivered Lumens (Lm)	7029
System Efficacy (Lm/W)	145.1
Correlated Color Temp (K)	5047
Color Rendering Index (CRI)	82
Horizontal Beam Angle	105.1° (7H)
Vertical Beam Angle	6.1° (4V)
Spacing Criteria (0-180)	1.86
Spacing Criteria (90-270)	1.16

Intensity Summary (Candle Power)

Angle	Mean CP
0	1635
5	1432
15	1559
25	1313
35	1171
45	1049
55	1023
65	859
75	736
85	718
90	507

CCT Data Multiplier

OWG2050MV40 0.985



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

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1150	16.4%
0-40	1893	26.9%
0-60	3624	51.6%
0-90	5922	84.3%
90-180	1107	15.7%
0-180	7029	100%

OWG2080 5000K

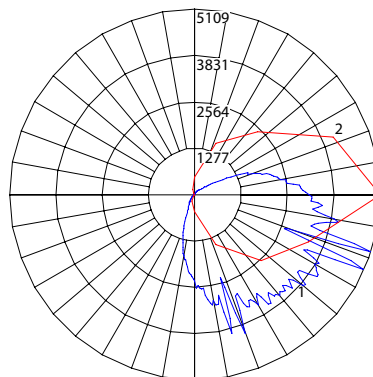
Input Voltage (VAC)	120-277
System Level Power (W)	77.5
120V Current (A)	0.65
277V Current (A)	0.28
Delivered Lumens (Lm)	11144
System Efficacy (Lm/W)	143.8
Correlated Color Temp (K)	5047
Color Rendering Index (CRI)	82
Horizontal Beam Angle	103.7° (7H)
Vertical Beam Angle	9.7° (4V)
Spacing Criteria (0-180)	2.12
Spacing Criteria (90-270)	1.18

Intensity Summary (Candle Power)

Angle	Mean CP
0	2383
5	2258
15	2240
25	1842
35	1771
45	1588
55	1473
65	1342
75	1168
85	1012
90	891

CCT Data Multiplier

OWG2080MV40 0.985



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

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1740	15.6%
0-40	2848	25.6%
0-60	5420	48.6%
0-90	9160	82.2%
90-180	1983	17.8%
0-180	11144	100%

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

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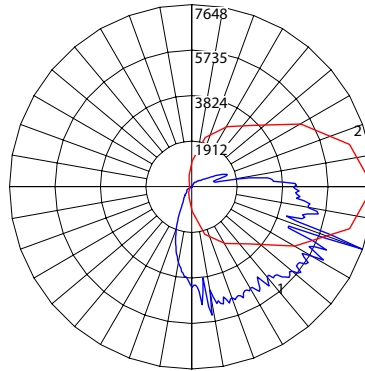
Photometric Data

OWG2120 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	116.4
120V Current (A)	0.97
277V Current (A)	0.42
Delivered Lumens (Lm)	16126
System Efficacy (Lm/W)	138.5
Correlated Color Temp (K)	5047
Color Rendering Index (CRI)	82
Horizontal Beam Angle	92.9
Vertical Beam Angle	22.3
Spacing Criteria (0-180)	1.78
Spacing Criteria (90-270)	1.18

Intensity Summary (Candle Power)	
Angle	Mean CP
0	4238
5	4886
15	5093
25	4943
35	5136
45	5010
55	5434
65	5759
75	4771
85	4443
90	4098

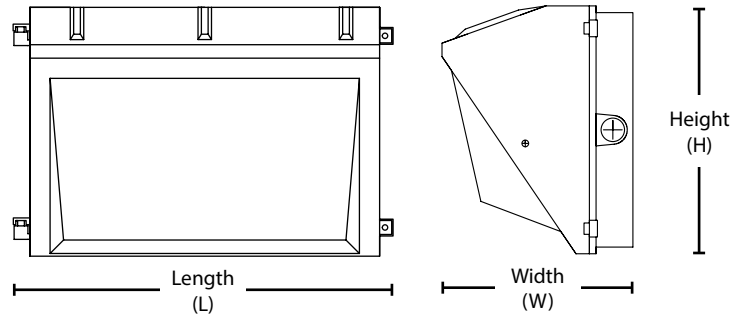
CCT Data Multiplier	
OWG2120MV40	0.985



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

Zonal Lumen Summary		
Zone	Lumens	% of Luminaire
0-30	3035	18.8%
0-40	4800	29.8%
0-60	8753	54.3%
0-90	14176	87.9%
90-180	1951	12.1%
0-180	16173	100%

Dimensions



Dimensions			
Series	Length (L)	Width (W)	Height (H)
OWG2050	15.06 in (383 mm)	7.46 in (190 mm)	9.29 in (236 mm)
OWG2080			
OWG2120	18.50 in (470 mm)	9.38 in (238mm)	

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 A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.