

Corvus

LED Wallpack

Project

Catalog

Type

Date



Product Description

The Corvus LED Wallpack features the next-generation design of a traditional wallpack with Single CCT and Selectable CCT models. With output up to 156 lumens per watt, the Corvus delivers powerful light with uniform light distribution and is easy to install on walls or directly to a J-Box with its separable hinged backplate. On Select models, an internal switch offers the ability to adjust the CCT to 3000, 4000, 5000, or 5700K. 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

Optical System

- Tempered clear prismatic glass maximizes lumen output
- Single CCT LED used for 5000K standard model.
- Selectable models use a dual emitter array that enables CCT selection of 3000, 4000, 5000 or 5700K
- Single CCT in 80 CRI and Select models in 70 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
- 80W and 100W offer 0-10V dimming down to 10% or less with specified dimmers.

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
- RoHS Compliant
- TM-21 Reported L70(9k) life >54,000 hours
- DLC Standard

Warranty

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

OWG3
LED Wall Pack
7000 - 17000 Lumens
5000K and Selectable CCT



Ordering

Ordering Information

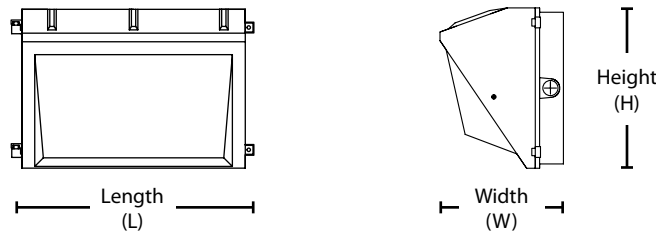
Series	Version	Wattage	Voltage	CCTs	CRI Finish	Photocell
OWG	3	050 (50 W - 7000lm)	MV (120-277)	50 (5000 K) ¹	BZ (Bronze)	Blank (None)
		060 (60 W - 7200lm)		S (Select 3/4/5/57K) ²		P (Photocell)
		080 (80 W - 11000lm)				
		120 (120 W - 16000lm)				

Specifications and dimensions subject to change without notice.

1) 5000K only CCT not available on 60W model

2) Selectable CCT not available on 50W model

Dimensions



Dimensions			
Series	Length (L)	Width (W)	Height (H)
OWG3050	15.06 in (383 mm)	7.46 in (190 mm)	9.29 in (236 mm)
OWG3060			
OWG3080			
OWG2120	18.50 in (470 mm)	9.38 in (238mm)	

Photometric Data

OWG3050 5000K

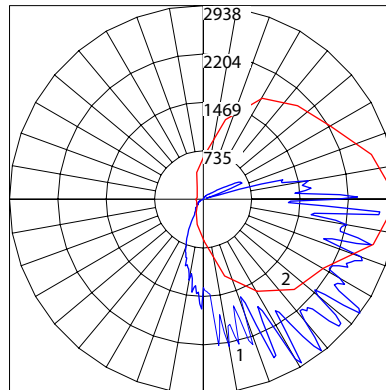
Input Voltage (VAC)	120-277
System Level Power (W)	46.9
120V Current (A)	0.39
277V Current (A)	0.17
Delivered Lumens (Lm)	7071
System Efficacy (Lm/W)	151
Correlated Color Temp (K)	4987
Color Rendering Index (CRI)	83
Horizontal Beam Angle (°)	139
Spacing Criteria (0-180)	2.28
BUG Rating	B2-U4-G3

Intensity Summary (Candle Power)

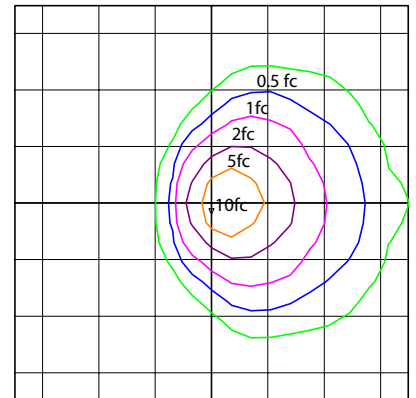
Angle	Mean CP
0	1337
5	1361
15	1598
25	1564
35	1762
45	1474
55	1177
65	975
75	741
85	418
90	298

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1234	17%
0-40	2036	28%
0-60	3925	54%
0-90	6362	87%
90-180	902	13%
0-180	7265	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.

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Photometric Data

OWG3060 Selectable 5000K

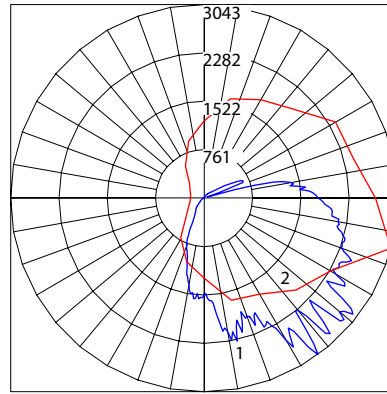
Input Voltage (VAC)	120-277
System Level Power (W)	54.9
120V Current (A)	0.46
277V Current (A)	0.20
Delivered Lumens (Lm)	7265
System Efficacy (Lm/W)	132
Correlated Color Temp (K)	5062
Color Rendering Index (CRI)	73
Horizontal Beam Angle (°)	139
Spacing Criteria (0-180)	2.28
BUG Rating	B2-U3-G3

Intensity Summary (Candle Power)

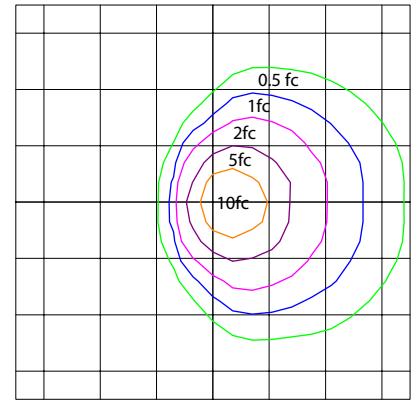
Angle	Mean CP
0	1521
5	1603
15	1596
25	1693
35	1678
45	1665
55	1324
65	1121
75	854
85	533
90	372

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1234	17%
0-40	2036	28%
0-60	3925	54%
0-90	6362	88%
90-180	902	12%
0-180	7265	100%



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



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

CCT Data Multiplier

3000K	1.003
4000K	0.993
5700K	0.991

OWG3080 5000K

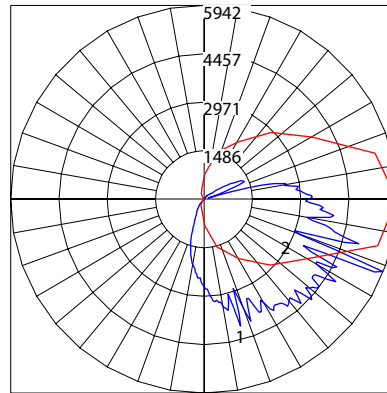
Input Voltage (VAC)	120-277
System Level Power (W)	76.7
120V Current (A)	0.64
277V Current (A)	0.28
Delivered Lumens (Lm)	11954
System Efficacy (Lm/W)	156
Correlated Color Temp (K)	5012
Color Rendering Index (CRI)	83
Horizontal Beam Angle (°)	99
Spacing Criteria (0-180)	2.20
BUG Rating	B2-U4-G5

Intensity Summary (Candle Power)

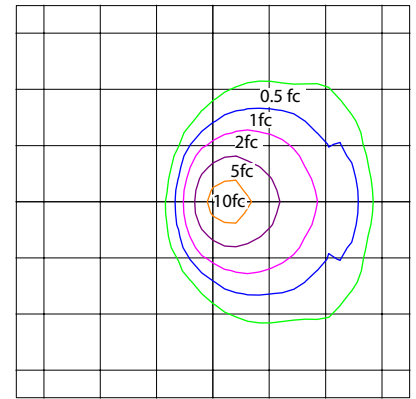
Angle	Mean CP
0	2725
5	2896
15	2923
25	3014
35	3652
45	3801
55	3810
65	3242
75	4222
85	3441
90	2949

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1949	16%
0-40	3203	27%
0-60	6109	51%
0-90	10236	86%
90-180	1719	14%
0-180	11954	100%



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



15' Mounting Height (1 square = 225 sq ft)

OWG3080 Selectable 5000K

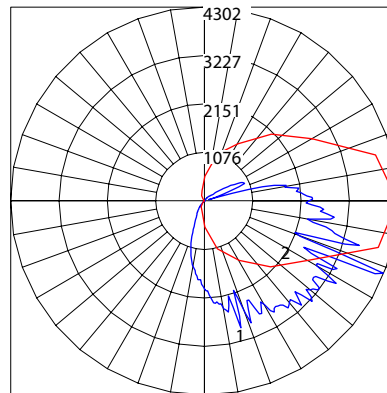
Input Voltage (VAC)	120-277
System Level Power (W)	77.4
120V Current (A)	0.65
277V Current (A)	0.28
Delivered Lumens (Lm)	10659
System Efficacy (Lm/W)	138
Correlated Color Temp (K)	5112
Color Rendering Index (CRI)	74
Horizontal Beam Angle (°)	99
Spacing Criteria (0-180)	2.20
BUG Rating	B3-U4-G4

Intensity Summary (Candle Power)

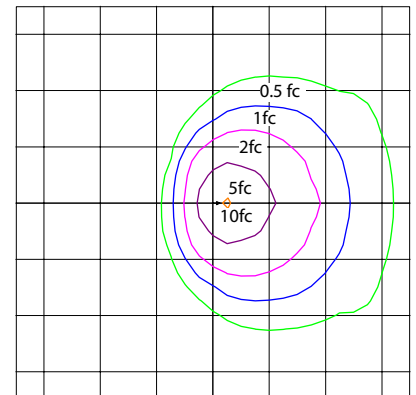
Angle	Mean CP
0	2034
5	2024
15	1999
25	2357
35	2176
45	2024
55	1586
65	1415
75	1140
85	768
90	550

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1596	15%
0-40	2652	25%
0-60	5203	49%
0-90	8952	84%
90-180	1707	16%
0-180	10659	100%



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



18' Mounting Height (1 square = 225 sq ft)

CCT Data Multiplier

3000K	0.985
4000K	0.989
5700K	1.001

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

OWG3120 5000K

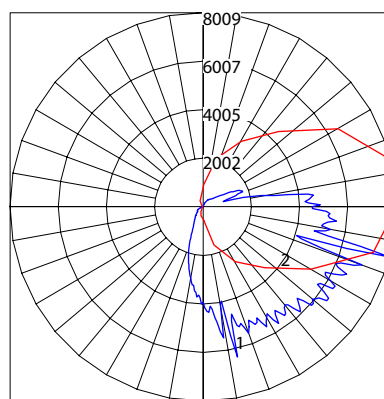
Input Voltage (VAC)	120-277
System Level Power (W)	116.9
120V Current (A)	0.97
277V Current (A)	0.42
Delivered Lumens (Lm)	17151
System Efficacy (Lm/W)	147
Correlated Color Temp (K)	4995
Color Rendering Index (CRI)	82
Horizontal Beam Angle (°)	99
Vertical Beam Angle (°)	139
Spacing Criteria (0-180)	2.20
Spacing Criteria (90-270)	2.28
BUG Rating	B3-U5-G5

Intensity Summary (Candle Power)

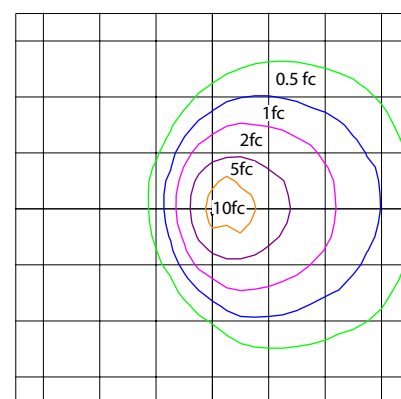
Angle	Mean CP
0	3949
5	3994
15	4210
25	3659
35	3409
45	2962
55	2534
65	2089
75	1638
85	967
90	635

Zonal Lumen Summary

Zone	Lumens	% of Luminaires
0-30	2969	17%
0-40	4760	28%
0-60	8871	52%
0-90	14722	86%
90-180	2429	14%
0-180	17151	100%



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



18' Mounting Height (1 square = 225 sq ft)

OWG3120 Selectable 5000K

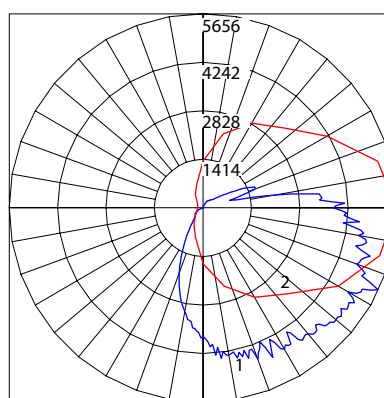
Input Voltage (VAC)	120-277
System Level Power (W)	119.2
120V Current (A)	0.99
277V Current (A)	0.43
Delivered Lumens (Lm)	15547
System Efficacy (Lm/W)	130
Correlated Color Temp (K)	5182
Color Rendering Index (CRI)	73.7
Horizontal Beam Angle (°)	99
Spacing Criteria (0-180)	2.20
BUG Rating	B3-U5-G5

Intensity Summary (Candle Power)

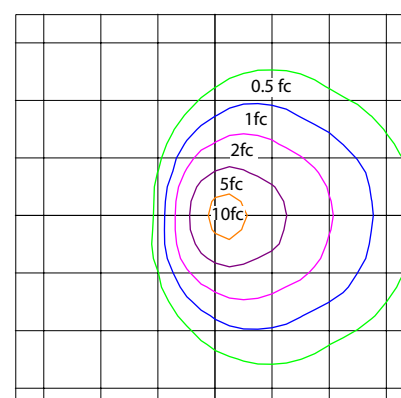
Angle	Mean CP
0	3752
5	3873
15	3966
25	3845
35	3417
45	2929
55	2664
65	2367
75	1961
85	1349
90	1057

Zonal Lumen Summary

Zone	Lumens	% of Luminaires
0-30	2828	18%
0-40	4499	29%
0-60	8245	53%
0-90	13475	87%
90-180	2072	13%
0-180	15547	100%



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



18' Mounting Height (1 square = 225 sq ft)

CCT Data Multiplier

3000K	0.968
4000K	1.005
5700K	0.990

Performance Data

Model Number	CCT	Lumens	Watts	Lumens/Watt	BUG Rating
OWG3050MV50	5000	7071	46.9	151	B2-U4-G3
	3000	7287	55.6	131	
OWG3060MVS	4000	7214	55.2	131	B2-U3-G3
	5000	7265	55.0	132	
	5700	7200	54.8	131	
OWG3080MV50	5000	11954	76.7	156	B2-U4-G5
	3000	10502	77.5	136	
OWG3080MVS	4000	10544	77.3	136	B3-U4-G4
	5000	10659	77.4	138	
	5700	10667	77.3	138	
OWG3120MV50	5000	17151	116.9	147	B3-U5-G5
	3000	15049	121.3	124	
OWG3120MVS	4000	15625	120.4	130	B3-U5-G5
	5000	15547	119.2	130	
	5700	15392	118.3	130	

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 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.