OWG5

LED Wall Pack

Project

Catalog

Type

Date

Product Description

The OWG5 LED Wall Pack is an enhanced version of the traditional wall pack design, featuring selectable CCT (correlated color temperature), an optional adjustable lumens (wattage) setting, and now with adjustable beam throw. With an impressive output of up to 145 lumens per watt, the OWG5 provides powerful and evenly distributed light. Its installation is hassle-free, allowing attachment to walls or direct mounting on a J-Box using its separable hinged backplate. An internal switch board enables users to customize the CCT within the range of 3000/4000/5000K, adjust the wattage output to high, medium, or low settings, and customize the beam angle to have a near, mid, or far throw. An integral photocell comes standard and can be enabled as needed. Equipped with four knockouts for through-wiring or sensor additions, the OWG5 is an excellent choice for security and perimeter lighting various commercial locations and multi-family complexes.

Construction
- Die-cast aluminum housing
- Four (4) ½" knockouts for conduit feed or sensors
- Separable hinged backplate for easy installation and maintenance
- Stainless steel hardware
- Fine-textured, UV-stabilized powder coat finish

Optical System
- Tempered clear prismatic glass to maximize lumen output
- LED array mounting reduces glare for optimum distribution.
- Internal switch to adjust beam throw (near, mid, far)
- Selectable models use a dual emitter array that enables CCT selection of 3000K/4000K/5000K
- >80 CRI to improve safety and color definition in public places.

Electrical
- Thermally-protected, high-efficiency driver
- Input voltage of 120-277VAC
- 0-10V dimming
- Optional Selectable Wattage (60/50/40W, 80/65/50W, 120/100/80W)
- Operating temperature rating of -40F° to 113°F (-40°C to 45°C)
- Surge protection 6kV provides single phase protection for line/neutral, line/ground and neutral/ground in accordance with IEEE C62.41 2002 C
- Optional internal emergency back-up

Controls
- An integral photocell is standard, with the ability to enable/disable as desired.
- Motion sensor option available

Mounting and installation
- Fixture mounts directly to J-Box and walls with fasteners (not furnished)
- 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 A standards for conducted and radiated emissions
- RoHS Compliant
- TM-21 Reported L70(9k)/L90(9k):
  - 60W : >54,000 / >54,000
  - 80W : >54,000 / 51,000
  - 120W: >54,000 / 50,000
- DLC 5.1 Premium (for Near and Mid throw only)

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

OWG

LED Wall Pack
Selectable CCT
Selectable Wattage
Adjustable Beam Throw

CERTIFIED · IP65 · WET LOCATION RATED · 5 YEAR WARRANTY

NICOR®

Ordering

Ordering Information

Example: OWG5080SUS8BZ

Series	Version	Wattage	Voltage	CCTs-Select	CRI	Finish	Sensor Socket	Emergency
OWG	**5**	☐ **060S** (40/50/60)	**U** (120-277)	**S** (30/40/50K)	**8** (80) CRI	☐ **BZ** (Bronze)	☐ _ (None)	☐ _ (None)
		☐ **080S** (50/65/80)					☐ **S** (Socket)	☐ **E** (9W battery)
		☐ **120S** (80/100/120)						

Specifications and dimensions subject to change without notice.

Accessories

Motion Sensor Accessories *(see specsheet for full information)*

Microwave Motion Sensor - Brown Gray	H12V3SENSORMW1PBG
Remote Control for Sensors	H12V2REMOTE
Adjustable Socket Arm - Brown Gray	H12V3ADJARM1PBG

Note: Arm required to mount sensor

Performance Data

	Mid Throw				Near Throw		Far Throw	
Model Number	CCT	Lumens	Watts	Lumens/Watt	Lumens	Lumens/Watt	Lumens	Lumens/Watt
OWG5060	3000	6681	40.1	166.6	6050	150.8	6866	171.2
	4000	6757	38.6	175.0	6314	163.6	7158	185.5
	5000	6894	39.8	173.2	6269	157.5	7078	177.8
	3000	7966	48.3	165.0	7207	149.2	8305	172.0
	4000	8185	47.2	173.4	7567	160.3	8526	180.6
	5000	8255	48.2	171.4	7472	155.1	8366	173.7
	3000	9502	64.4	147.5	8642	134.2	9735	151.2
	4000	9905	63.1	157.0	9170	145.3	10346	164.0
	5000	9956	64.5	154.4	9036	140.1	10198	158.1
OWG5080	3000	7769	51.0	152.2	7053	138.2	7747	151.8
	4000	7970	49.8	159.9	7455	149.6	8199	164.5
	5000	8065	50.7	159.0	7451	146.9	8173	161.1
	3000	9648	64.8	149.0	8936	138.0	9850	152.1
	4000	10035	63.4	158.2	9511	150.0	10302	162.4
	5000	10090	64.7	156.1	9375	145.0	10149	157.0
	3000	11869	80.1	148.2	10623	132.6	11773	147.0
	4000	12349	78.4	157.5	12341	157.4	12804	163.3
	5000	12411	80.3	154.6	11296	140.7	12282	152.9
OWG5120	3000	11693	77.3	151.3	10812	139.9	11971	154.9
	4000	12005	75.2	159.7	11420	151.9	12667	168.5
	5000	12164	76.6	158.8	11442	149.3	12271	160.2
	3000	13986	94.0	148.7	13228	140.7	14002	148.9
	4000	14458	91.5	158.1	13541	148.0	14836	162.2
	5000	14581	94.5	154.3	13323	141.0	14616	154.7
	3000	17424	114.8	151.8	14983	130.5	16725	145.7
	4000	17785	112.8	157.7	16150	143.2	18694	165.7
	5000	17920	116.3	154.1	15892	136.6	17834	153.3

Recommended 0-10VDC Dimmers*

Lutron NTSTV
Lutron DVSTV
Cooper SF10P
Legrand RH4FBL3PW

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

Photometric Data

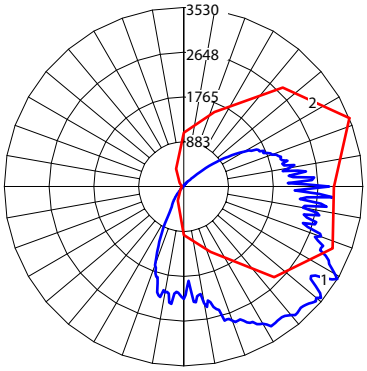
OWG5060SUS8	
Input Voltage (VAC)	120-277
System Level Power (W)	64.4
Delivered Lumens (Lm)	9502
System Efficacy (Lm/W)	147.5
Correlated Color Temp (K)	3065
Color Rendering Index (CRI)	80
Beam Angle (0)	96.4
Bean Angle (90)	30.1
Spacing Criteria (0)	2.32
Spacing Criteria (90)	1.34
BUG Rating	B2-U5-G5

Intensity Summary (Candle Power)	
Angle	Mean CP
0	1807
5	2108
15	2266
25	2891
35	2968
45	2978
55	2632
65	2735
75	2037
85	2459
90	1650

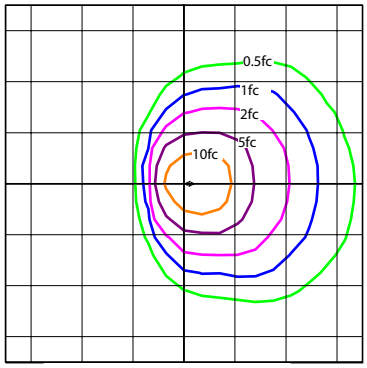
Data Multiplier			
	3000K	4000K	5000K
40W	0.703	0.711	0.726
50W	0.838	0.861	0.869
60W	1.000	1.042	1.048

Zonal Lumen Summary		
Zone	Lumens	%of Luminaire
0-30	1374	16.5%
0-40	2251	27%
0-60	4159	49.9%
0-90	6543	78.6%
90-180	1783	21.4%
0-180	8327	100%

Mid Throw

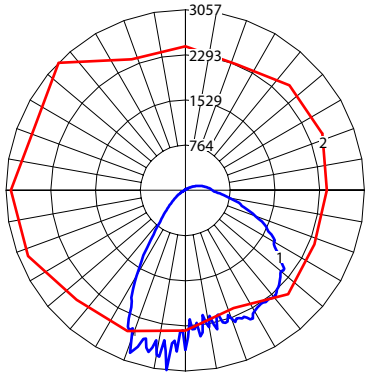


1 - Vertical Plane Through Horizontal Angle
2 - Horizontal Cone Through Vertical Angle



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

Near Throw



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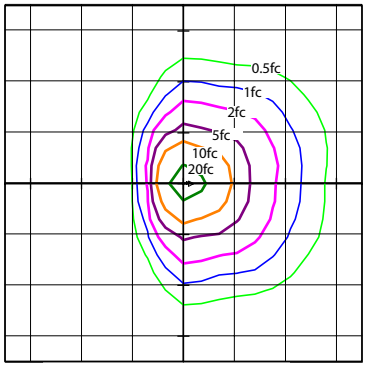
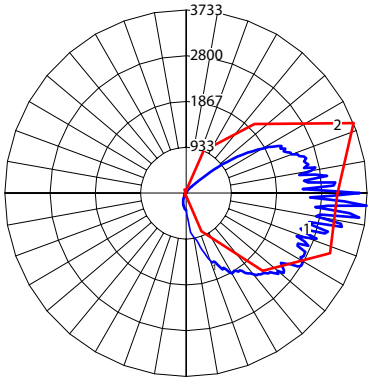


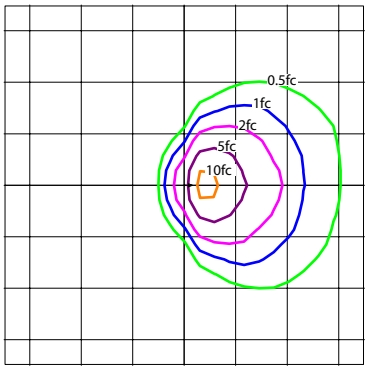
10' Mounting Height (1 square = 100 sq ft)

Data Multiplier			
	3000K	4000K	5000K
40W	0.637	0.655	0.660
50W	0.759	0.796	0.852
60W	0.909	0.965	0.951

Far Throw



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



10' Mounting Height (1 square = 144 sq ft)

Data Multiplier			
	3000K	4000K	5000K
40W	0.723	0.753	0.745
50W	0.874	0.897	0.880
60W	1.025	1.089	1.073

Photometric Data

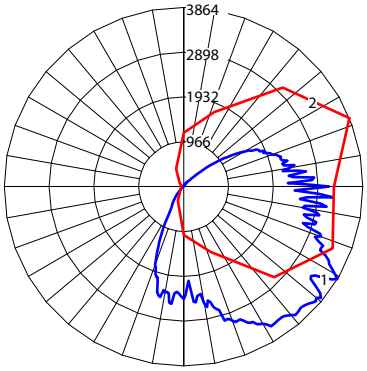
OWG5080SUS8	
Input Voltage (VAC)	120-277
System Level Power (W)	80
Delivered Lumens (Lm)	11869
System Efficacy (Lm/W)	148.4
Correlated Color Temp (K)	3000
Color Rendering Index (CRI)	81
Beam Angle (0)	98.8
Bean Angle (90)	34.7
Spacing Criteria (0)	2.22
Spacing Criteria (90)	1.38
BUG Rating	B2-U5-G5

Intensity Summary (Candle Power)	
Angle	Mean CP
0	2009
5	2534
15	2744
25	3160
35	3362
45	3583
55	3318
65	3062
75	2791
85	2427
90	2335

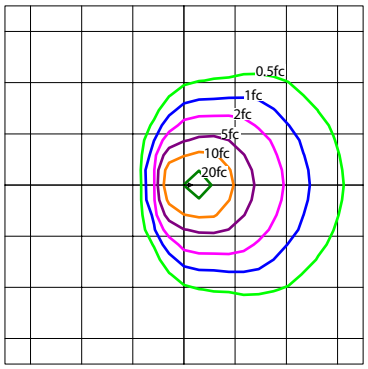
Data Multiplier			
	3000K	4000K	5000K
50W	0.655	0.672	0.680
65W	0.813	0.845	0.850
80W	1.000	1.040	1.046

Zonal Lumen Summary		
Zone	Lumens	%of Luminaire
0-30	1842	16.6%
0-40	3031	27.3%
0-60	5604	50.4%
0-90	8801	79.2%
90-180	2307	20.8%
0-180	11107	100%

Mid Throw

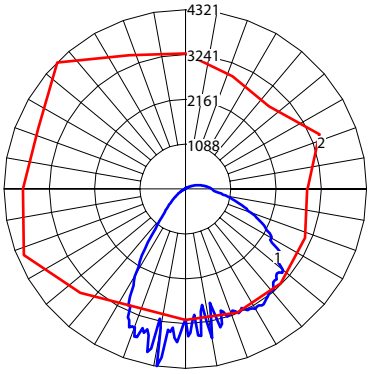


1 - Vertical Plane Through Horizontal Angle
2 - Horizontal Cone Through Vertical Angle



10' Mounting Height (1 square = 144 sq ft)

Near Throw



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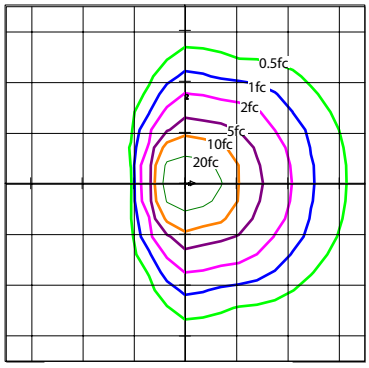
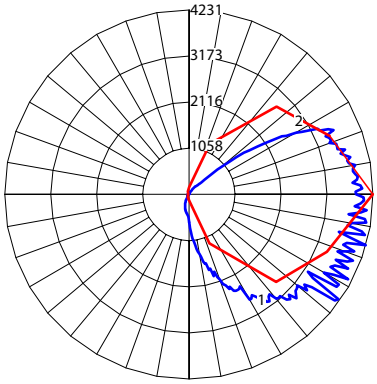
2 - Horizontal Cone Through Vertical Angle



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

Data Multiplier			
	3000K	4000K	5000K
50W	0.594	0.628	0.628
65W	0.753	0.801	0.790
80W	0.895	1.040	0.952

Far Throw



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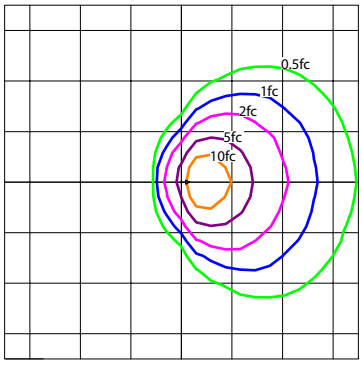


10' Mounting Height (1 square = 144 sq ft)

Data Multiplier			
	3000K	4000K	5000K
50W	0.653	0.691	0.689
65W	0.830	0.868	0.855
80W	0.992	1.079	1.035

Photometric Data

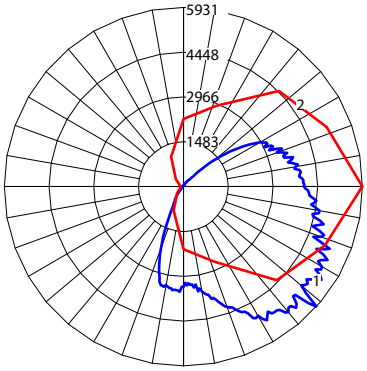
OWG120SUS8	
Input Voltage (VAC)	120-277
System Level Power (W)	120
Delivered Lumens (Lm)	17242
System Efficacy (Lm/W)	145.2
Correlated Color Temp (K)	3000
Color Rendering Index (CRI)	80
Beam Angle (0)	98.3
Bean Angle (90)	29.7
Spacing Criteria (0)	2.30
Spacing Criteria (90)	1.42
BUG Rating	B3-U5-G5

Intensity Summary (Candle Power)	
Angle	Mean CP
0	2870
5	3088
15	3501
25	4072
35	4650
45	4877
55	4559
65	4766
75	3991
85	3791
90	3391

Data Multiplier			
	3000K	4000K	5000K
80W	0.671	0.689	0.698
100W	0.803	0.830	0.837
120W	1.000	1.021	1.028

Zonal Lumen Summary		
Zone	Lumens	%of Luminaire
0-30	2439	15.3%
0-40	4023	25.3%
0-60	7574	47.7%
0-90	12252	77.1%
90-180	3637	22.9%
0-180	15889	100%

Mid Throw



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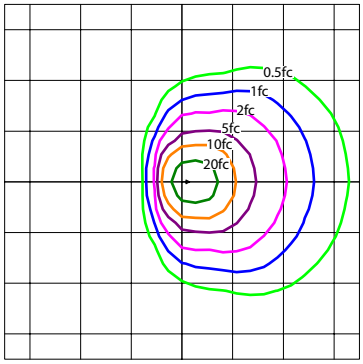
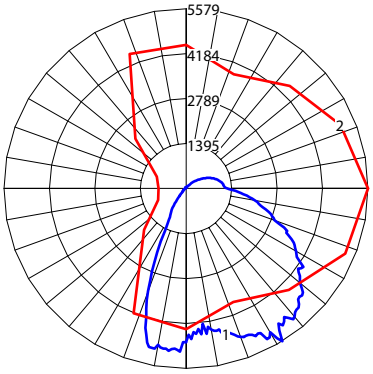
2 - Horizontal Cone Through Vertical Angle



10' Mounting Height (1 square = 169 sq ft)

Near Throw



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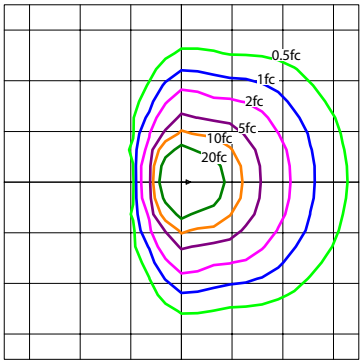
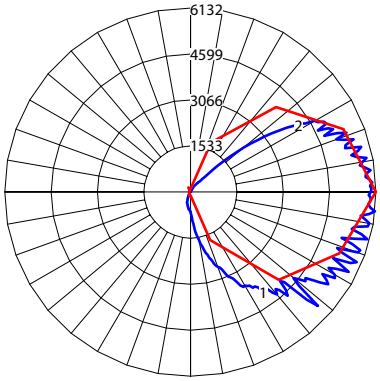


10' Mounting Height (1 square = 121 sq ft)

Data Multiplier			
	3000K	4000K	5000K
80W	0.621	0.655	0.657
100W	0.759	0.777	0.765
120W	0.860	0.927	0.912

Far Throw



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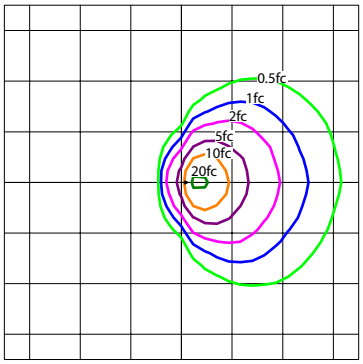
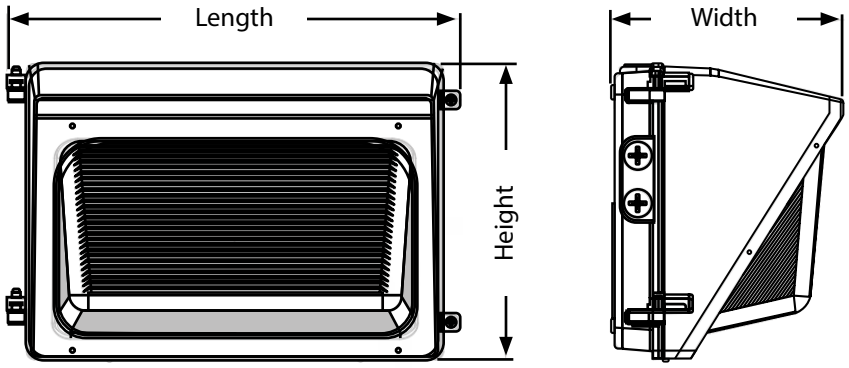


10' Mounting Height (1 square = 225 sq ft)

Data Multiplier			
	3000K	4000K	5000K
80W	0.687	0.727	0.704
100W	0.804	0.851	0.839
120W	0.960	1.073	1.024

Dimensions

Series	Length (L)	Width (W)	Height (H)
Series	Length (L)	Width (W)	Height (H)
OWG	14.2 in (361 mm)	7.3 in (185 mm)	9.3 in (236 mm)



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.