OWF5

Full Cut-Off LED Wall Pack

Project

Catalog

Type

Date

Product Description

Introducing the OWF5 Full Cut-Off LED Wallpack – a cutting-edge lighting solution that seamlessly combines classic architectural style with enhanced performance and a sleek new slim factor. Designed to minimize visual obstruction, the slim profile ensures a spacious and open atmosphere for buildings or outdoor areas. Boasting an impressive output of up to 178 lumens per watt, the OWF5 provides uniform light distribution and reduced glare through its Type II, Type III, Type IV distribution precision lens. It is easy to install on walls or directly on a J-Box with its included mounting bracket. The Triple Select models feature an internal switch for CCT adjustment (3000K, 4000K, 5000K), Wattage control (low, med, high) and Selectable distribution (Type II, Type III, Type IV). Ideal for perimeter lighting, building entrances, walkways, and various commercial spaces, the OWF5 sets a new standard for versatile, high-performance general-purpose lighting solutions.

Construction
- Die-cast aluminum housing
- One (1) ½"knockout for conduit feed or sensor
- Stainless steel hardware
- Fine-textured, UV-stabilized powder coat bronze finish

Optical System
- Clear injection-molded acrylic creates uniform distribution while maximizing lumen output
- Internal switch to change between Type II, Type III, and Type IV distributions
- CCT 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, 50/60Hz
- Power Factor = >0.9
- THD = ≤20%
- Dim to off, 0-10V dimming
- Selectable Wattage (40/30/20W) or (100/80/60W) or (150/120/90W)
- Operating temperature rating of -40F° to 113°F (-40°C to 45°C)
- Optional internal emergency back-up, Emergency Option at operating temperature of (0°C to 45°C)

Controls
- An integral photocell is standard, with the ability to enabled it if desired
- Preinstalled 3.5mm jack sensor socket

Mounting and Installation
- Mounts to surface using supplied mounting plate
- Wiring possible through backplate or knockouts
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Listings
- cULus 1598 Listed for wet locations
- DLC 6.0 Premium Listed
- 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
- LM-79, LM-80 testing performed in accordance with IESNA standards

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









OWF5

Full Cut-Off LED Wall Pack
Selectable Wattage
Selectable CCT
Selectable Distribution

CERTIFIED · DLC LISTED PREMIUM · IP65 · WET LOCATION RATED · 5 YEAR WARRANTY

NICOR®

Ordering

Ordering Information								*Example: OWF5100SUS8BZS*
Series	**Version**	**Wattage**	**Voltage**	**CCTs Select**	**CRI**	**Finish**	**Sensor Socket**	**Emergency**
OWF	**5**	☐ **040S** (40/30/20W)	**U** (120-277V)	**S** (30/40/50K)	**8**	**BZ** (Bronze)	**S** (12V 3.5mm Socket)	☐ _ (None)
		☐ **100S** (100/80/60W)						☐ **E1** (4W EM back-up)
		☐ **150S** (150/120/90W)						☐ **E2** (9W EM back-up)
								☐ **E3** (16W EM back-up)

E1 option only available on 040S model
E3 option only available on 150S model
Specifications and dimensions subject to change without notice.

Recommended 0-10VDC Dimmers*

Lutron NTSTV
Lutron DVSTV
Cooper SF10P
Legrand RH4FBL3PW

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

Motion Sensors - Accessories

Low-Voltage Bronze Adjustable Arm	H12V4ADJARM1BG
Microwave Motion Sensor Bronze	H12V3SENSORMW1PBG
Passive Infared Sensor Bronze	H12V3SENSORPIR1PBG
Remote Control for H12V Sensors	H12V2REMOTE



H12V4ADJARM1BG



H12V3SENSORMW1PBG



H12V3SENSORPIR1PBG

Sensors must be used with the Adjustable Arm for proper placement.

External Emergency - Accessories

Outdoor EM kit 8W BZ	EMO1080WRVBZ
Outdoor EM kit 8W WH	EMO1080WRVWH
Outdoor EM kit 18W BZ	EMO1180WRVBZ
Outdoor EM kit 18W WH	EMO1180WRVWH



EMO1080WRVBZ

EMO1180WRVBZ



EMO1080WRVWH

EMO1180WRVWH

Performance Data

			TYPE II			TYPE III			TYPE IV		
Model Number	**CCT**	**Wattage**	**Lumens**	**lm/W**	**BUG**	**Lumens**	**lm/W**	**BUG**	**Lumens**	**lm/W**	**BUG**
OWF5040S	3000K	20W	2864	145.7	B1-U0-G1	2875	147.0	B1-U0-G1	2850	145.8	B1-U0-G1
	4000K		3015	157.5	B1-U0-G1	2982	155.9	B1-U0-G1	2934	153.8	B1-U0-G1
	5000K		3011	153.5	B1-U0-G1	2952	154.1	B1-U0-G1	2958	152.1	B1-U0-G1
	3000K	30W	4164	140.7	B2-U0-G1	4200	143.5	B2-U0-G1	4168	142.0	B1-U0-G1
	4000K		4421	155.3	B2-U0-G1	4417	154.7	B2-U0-G1	4328	152.1	B2-U0-G1
	5000K		4369	148.1	B2-U0-G1	4371	149.2	B2-U0-G1	4303	148.2	B2-U0-G1
	3000K	40W	5386	133.9	B2-U0-G1	5623	141.2	B2-U2-G1	5510	137.5	B2-U0-G1
	4000K		5836	150.6	B2-U0-G1	5826	151.5	B2-U0-G1	5736	148.2	B2-U0-G1
	5000K		5685	141.1	B2-U0-G1	5689	144.1	B2-U0-G1	5645	141.8	B2-U0-G1
OWF5100S	3000K	60W	8576	138.6	B3-U0-G2	8840	145.2	B3-U0-G1	8805	145.5	B2-U0-G2
	4000K		9238	154.4	B3-U0-G2	9270	156.3	B3-U0-G1	9192	155.7	B3-U0-G2
	5000K		9083	146.9	B3-U0-G2	9215	151.7	B3-U0-G1	9173	151.8	B3-U0-G2
	3000K	80W	10946	134.9	B3-U0-G2	11188	140.6	B3-U0-G2	11221	141.6	B3-U0-G2
	4000K		11795	150.6	B3-U0-G2	11815	153.1	B3-U0-G2	11959	154.5	B3-U0-G2
	5000K		11609	142.2	B3-U0-G2	11635	146.7	B3-U0-G2	11560	146.7	B3-U0-G2
	3000K	100W	13202	133.4	B3-U0-G2	13631	137.3	B3-U0-G2	13582	138.0	B3-U0-G2
	4000K		13822	146.7	B3-U0-G2	14220	149.4	B3-U0-G2	14144	149.5	B3-U0-G2
	5000K		13168	134.2	B3-U0-G2	14143	143.1	B3-U0-G2	13879	142.0	B3-U0-G2
OWF5150S	3000K	90W	15554	168.4	B3-U0-G2	14959	163.7	B3-U0-G2	14562	157.5	B3-U0-G2
	4000K		16368	178.2	B3-U0-G2	15396	170.4	B3-U0-G2	15045	162.5	B3-U0-G2
	5000K		16372	174.6	B3-U0-G2	15832	169.2	B3-U0-G2	15321	162.9	B3-U0-G2
	3000K	120W	19900	162.5	B4-U0-G3	19008	159.2	B3-U0-G2	18636	152.0	B3-U0-G2
	4000K		20897	174.8	B4-U0-G3	19649	167.5	B3-U0-G2	19129	159.1	B3-U0-G2
	5000K		20292	167.4	B4-U0-G3	19596	163.9	B3-U0-G2	18997	156.7	B3-U0-G2
	3000K	150W	23117	157.4	B4-U0-G3	22604	155.3	B4-U0-G3	22087	147.3	B4-U0-G2
	4000K		24409	172.1	B4-U0-G3	23246	164.6	B4-U0-G3	22743	155.7	B4-U0-G3
	5000K		23940	162.1	B4-U0-G3	23247	159.4	B4-U0-G3	22604	151.5	B4-U0-G2

Photometric Data

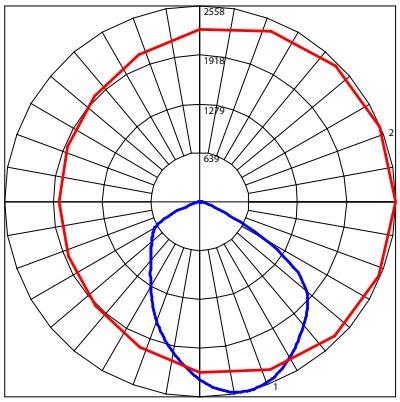
OWF5040S - 40W - 5000K - TYPE III	
Input Voltage (VAC)	120-277
System Level Power (W)	39.5
120V Current (A)	0.33
277V Current (A)	0.14
Delivered Lumens (Lm)	5689.4
System Efficacy (Lm/W)	144.1
Correlated Color Temp (K)	5000K
Color Rendering Index (CRI)	>80
Spacing Criteria (0)	1.6
Spacing Criteria (90)	1.24
BUG rating	B2-U0-G1

Data Multiplier - TYPE III

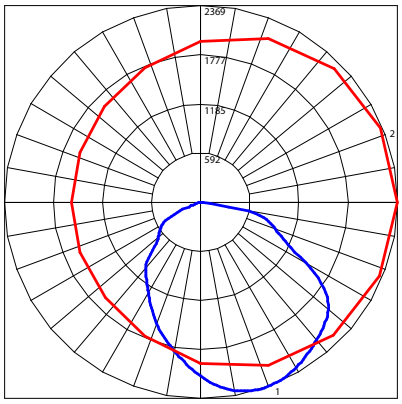
	3000K	4000K	5000K
40W	0.988	1.024	1.000
30W	0.738	0.776	0.768
20W	0.505	0.524	0.519

Zonal Lumen Summary

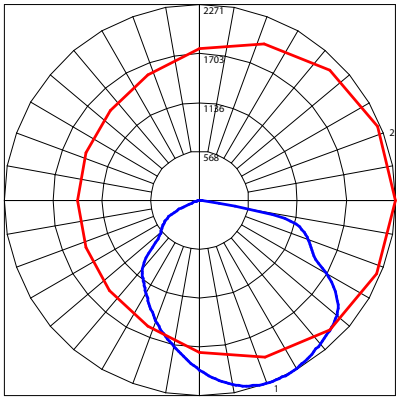
Zone	Lumens	% of Luminaire
0-30	1627.92	28.6%
0-40	2652.12	46.6%
0-60	4645.71	81.7%
0-90	5689.4	100%
90-180	0	0%
0-180	5689.4	100%



TYPE II



TYPE III



TYPE IV

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

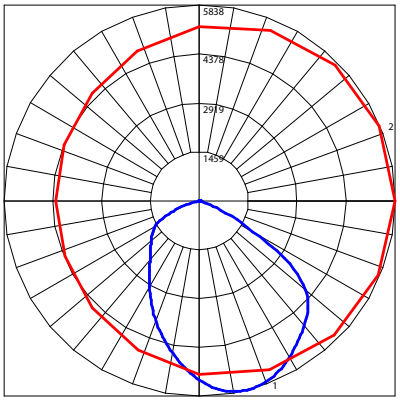
OWF5100S - 100W - 5000K - TYPE III	
Input Voltage (VAC)	120-277
System Level Power (W)	98.8
120V Current (A)	0.83
277V Current (A)	0.36
Delivered Lumens (Lm)	14143.1
System Efficacy (Lm/W)	143.1
Correlated Color Temp (K)	5000K
Color Rendering Index (CRI)	>80
Spacing Criteria (0)	1.58
Spacing Criteria (90)	1.26
BUG rating	B3-U0-G2

Data Multiplier - TYPE III

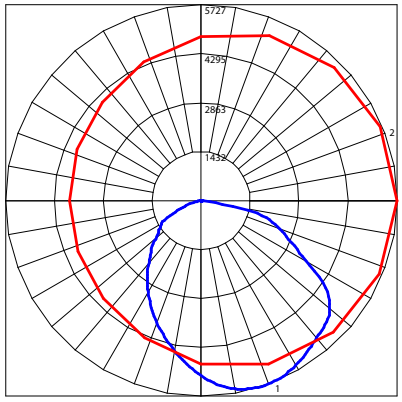
	3000K	4000K	5000K
100W	0.964	1.005	1.000
80W	0.791	0.835	0.823
60W	0.625	0.655	0.652

Zonal Lumen Summary

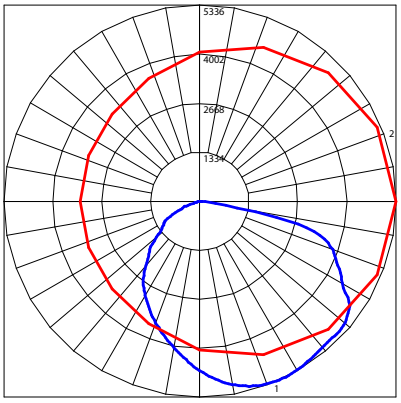
Zone	Lumens	% of Luminaire
0-30	3964.65	28.0%
0-40	6461.53	45.7%
0-60	11373.86	80.4%
0-90	14143.1	100%
90-180	0	0%
0-180	14143.1	100%



TYPE II



TYPE III



TYPE IV

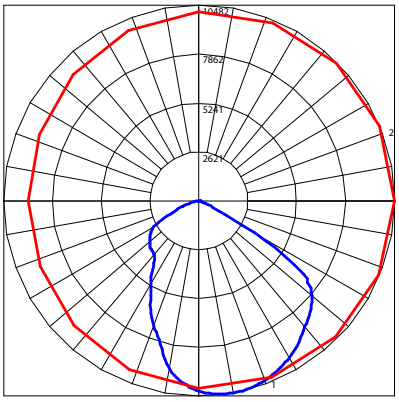
1 - Vertical Plane Through Horizontal Angle
2 - Horizontal Cone Through Vertical Angle

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

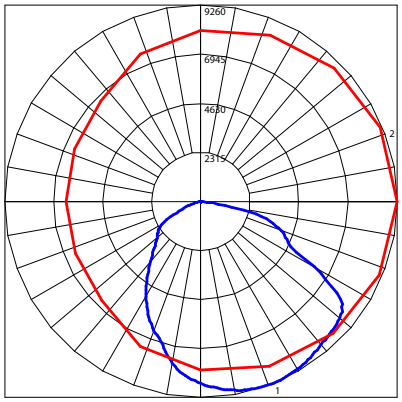
OWF5150S - 150W - 5000K - TYPE III	
Input Voltage (VAC)	120-277
System Level Power (W)	145.9
120V Current (A)	1.22
277V Current (A)	0.53
Delivered Lumens (Lm)	23246.8
System Efficacy (Lm/W)	159.4
Correlated Color Temp (K)	5000K
Color Rendering Index (CRI)	>80
Spacing Criteria (0)	1.58
Spacing Criteria (90)	1.28
BUG rating	B2-U0-G1

Data Multiplier - TYPE III			
	3000K	4000K	5000K
100W	0.972	1.000	1.000
80W	0.818	0.845	0.843
60W	0.643	0.662	0.681

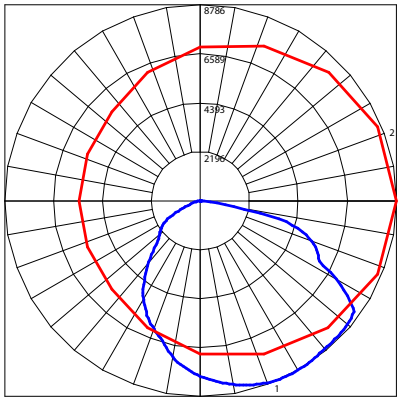
Zonal Lumen Summary		
Zone	Lumens	%of Luminaire
0-30	6625.45	28.5%
0-40	10767.59	46.3%
0-60	18951.56	81.5%
0-90	23246.8	100%
90-180	0	0%
0-180	23246.8	100%



TYPE II



TYPE III

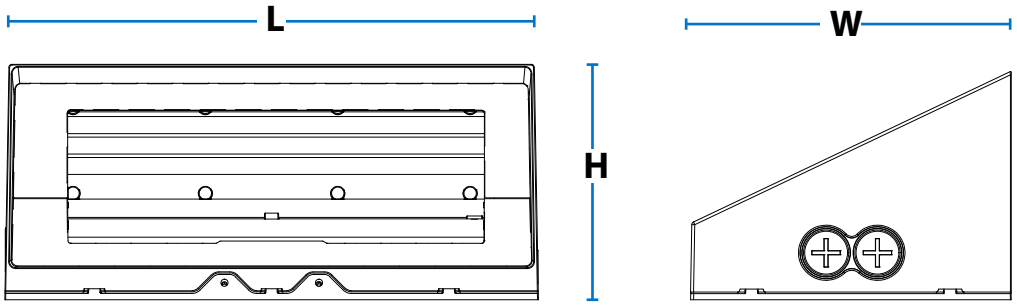


TYPE IV

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

Dimensions

Dimensions			
Series	Length **(L)**	Width **(W)**	Height **(H)**
OWF5040S	8.3 in (211 mm)	6.69 in (170mm)	5.43 in (138mm)
OWF5100S	13.34 in (339 mm)	8.26 in (210mm)	5.56 in (149mm)
OWF5150S	16.93 in (430 mm)	10.63 in (270mm)	7.13 in (181mm)



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