



OW SERIES 2.0
WALL PACK

PRODUCT
OVERVIEW



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FEATURES

- Delivers consistent and broad illumination with an electronic beam adjustable non cutoff Type IV distribution, perfect for general wall-mounted applications.
- Features field-adjustable lumen output and selectable CCT for customizable performance.
- Built-in Electronic photocell provides dusk to dawn illumination.
- Simplifies installation with bubble level, multiple conduit entry points, and compatibility with standard junction boxes for quick setup.
- Supports advanced control options including Bluetooth mesh network controls that feature grouping, scheduling, bi-level dimming, and more.

DIGITAL NAVIGATION

Explore the spec sheet through the links below

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CERTIFICATIONS



SUITABLE APPLICATIONS

- Pedestrian Walkways
- Building Entrances
- Multi-use Facilities
- Industrial Facilities
- Parking Lots
- Storage Facilities
- Institutions
- Schools
- Loading Docks

SPECIFICATIONS

CONSTRUCTION

The OW Series Wall Packs feature a rugged die-cast aluminum housing available in 3 different sizes for a fully scalable solution. The fully gasketed housing is IP65 rated for whole luminaire ingress protection against moisture and environmental contaminants. The OW Series is protected with a durable bronze polyester powder coat finish to withstand extreme weather changes without cracking or peeling (Consult factory for availability of alternate finishes). Salt Spray tested for 500 hrs.

ELECTRICAL

Class 1 High-performance drivers features over-voltage, under-voltage, short circuit and over temperature protection. 0-10V dimming (10% - 100%) standard. Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (277-480 Vac). L70 >100,000 hrs. in accordance with IESNA TM-21-19 projected values at 25°C Ambient temperature. Total harmonic distortion: <20%. Power factor: >0.90. Input power stays constant over life. Minimum 6kV surge rating meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2). Additional protection is available in 10kV and 20kV options. Battery backup & cold weather battery options provide 90 minutes of constant power to the LED system, ensuring code compliance.

INSTALLATION

The OW Series Wall Pack is designed for effortless installation to standard 3 1/2" to 4" round/octagonal, 4" square, single gang, masonry junction boxes or vertical surface mounting (secured by lag bolts (supplied by others)). 1/2" NPT conduit entry points allow for surface-conduit or thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral selectors for CCT, Lumen, & distribution allow for tuning to site requirements during installation.

OPTICS

The isolated IP65 rated silicone gasket sealed optical chamber utilizes a tempered borosilicate prismatic glass lens to provide exceptional coverage in a electronic selectable T4 distribution from 60° to 110° vertical beam spread. CCT selectable via an integral CCT selector switch (3000K, 4000K, & 5000K). Minimum CRI of 80. Out of the Box selections: CCT: 4000K, Lumen: Highest Output, Distribution: 90°. Photocell: On.

THERMAL

The OW Series features an array of High-efficacy mid-power LED's mounted on a metal core circuit board. The LED boards are mounted directly to the cast aluminum housing with heat dissipating fins to provide excellent thermal performance extending the life of electronic components. Operating Ambient Temperature: -40°C to +45°C (-40°F to 113°F).

CONTROLS

Base fixture includes a built-in photocell integrated into the side coin plug with integral quick connector to disconnect function. Optional PIR sensors available. Sensors provide optional on/off control, photocell capability, bi-level dimming, high-end trim, and bluetooth configuration allows for on-site modifications. See page 4 for more details.

CERTIFICATIONS

UL Listed for wet locations to UL 1598 and UL 8750 standards. Tested in accordance with IESNA LM-79 and LM-80 standards. RoHS Compliant. IP65 rated Luminaire per IEC 60598. IP65 rated optical chamber. Finish salt-spray tested to 500 hours per ASTM B117. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5 Year Warranty Standard; 10 Year Warranty Optional ([Terms and Conditions apply](#)).



ORDERING GUIDE

PART #

Example: OWL2-9L-CCTS-DS-BRZ-NURO-SP1-10YR

SERIES	LUMENS	INPUT VOLTAGE	CCT	DISTRIBUTION	FINISH
OWM2 ⁶	3L/4L/6L - Lumen Selectable 3L 3,000 lm 4L 4,000 lm	U 120-277V HV ^{6,7} 277-480V	CCTS Selectable CCT (3000K, 4000K, 5000K)	DS Distribution Selectable 60°, 90°, 110°	BRZ Bronze BLK ⁴ Black WHT ⁴ White SLV ⁴ Silver NAT ⁴ Natural ALUM Aluminum RALxxxx ⁴ Custom Color
OWL2	6L/9L/12L - Lumen Selectable 6L 6,000 lm 9L 9,000 lm 12L/15L/18L - Lumen Selectable 12L 12,000 lm 15L 15,000 lm				

EMERGENCY	CONTROLS OPTIONS		PROTECTION	WARRANTY
EM9 ^{2,3,6} 9W 120-277V High Efficacy CEC Title 20 Battery Backup (32°F)	BASIC		BLANK 6kV Standard 120-277V Surge Protection	BLANK 5 Year
EMCT8 ^{2,3,6} 8W Cold Temp Battery Backup -4°F(-20°C) -CEC Title 20 Compliant	ADVANCED		FUSE/SXXX Fuse - Single-line Voltage (120, 277 or 347)	10YR ¹ 10 Year
	BLANK None	BLANK None	FUSE/DXXX Fuse - Dual-line Voltage (208V, 240V or 480V)	
	FSP311/Lx ^{3,5} Legrand FSP-311 120/277V Sensor (X = Mounting Height 3=10-20', 7=20-40')	NURO ^{3,5} NUROAir Plug n Play Bluetooth Groupable Sensor	SP1 ^{2,3} 10KA Max 120-277V Surge Protector	
	FSP321/Lx ^{5,6} Legrand FSP-321 120-480V Sensor (X = Mounting Height 3=10-20', 7=20-40')		SP2 ^{2,3} 20KA Max 120-277V Surge Protector	
			SP1HV ⁶ 10kA Max 480V Surge Protector	
			SP2HV ⁶ 20kA Max 480V Surge Protector	



QUICK SHIP ITEMS

PRODUCT	DESCRIPTION	UPC CODE
OWM2-3L/4L/6L-U-CCTS-DS-BRZ	Medium Open Face Wallpack, 3L/4L/6L Lumen Selectable, CCT Selectable, Bronze Finish	790492386828
OWL2-6L/9L/12L-U-CCTS-DS-BRZ	Large Open Face Wallpack, 6L/9L/12L Lumen Selectable, CCT Selectable, Bronze Finish, Bronze Finish	790492386835
OWL2-12L/15L/18L-U-CCTS-DS-BRZ	Large Open Face Wallpack, 12L/15L/18L Lumen Selectable, CCT Selectable, Bronze Finish	790492386842

FOOTNOTES

¹ Requires additional surge protection (SP1, SP2, SP1HV, SP2HV); For additional details see general terms and conditions ⁵ Requires Bluetooth Enabled device for programming (provided by others)
² Surge Protection specified in combination with Battery Backups, separate surge protectors are required per electrical line ⁶ Not available in OWM model
³ Not Available with HV Drivers ⁷ Coming soon - Consult factory for lead times
⁴ Contact factory for pricing and availability

LED SYSTEMS INFO

LED SYSTEMS INFO ^{1,3}	Distribution	3000K		4000K		5000K		WATTS ²	REPLACES	DLC
Part Numbers		Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy			
OWM2-3L/4L/6L	60D	2993/4403/5755	146/143/140	3203/4712/6161	163/160/157	3177/4674/6111	155/152/149	20/30/40	175W MH	Standard
	90D	3025/4450/5817	151/148/146	3160/4649/6079	161/158/155	3226/4745/6202	612/159/156			
	110D	2893/4256/5562	141/138/136	3165/4657/6088	161/158/155	3066/4511/5897	150/147/144			
OWM2-3L	60D	2993	146	3203	163	3177	155	20	100W MH	Standard
	90D	3025	151	3160	161	3226	162			
	110D	2893	141	3165	161	3066	150			
OWM2-4L	60D	4403	143	4712	160	4674	152	30	150W MH	Standard
	90D	4450	148	4649	158	4745	159			
	110D	4256	138	4657	158	4511	147			
OWL2-6L/9L/12L	60D	5713/8404/10987	141/139/136	6187/9102/11901	157/154/151	6154/9053/11831	152/149/146	40/60/80	320W MH	Standard
	90D	5893/8670/11330	150/147/144	6169/9075/11859	160/157/154	6310/9284/12124	160/157/154			
	110D	5448/8015/10479	135/133/130	5939/8738/11419	151/148/145	5926/8718/11399	146/144/141			
OWL2-6L	60D	5713	141	6187	157	6154	152	40	175W MH	Standard
	90D	5893	150	6169	160	6310	160			
	110D	5448	135	5939	151	5926	146			
OWL2-9L	60D	8404	139	9102	154	9053	149	60	250W MH	Standard
	90D	8670	147	9075	157	9284	157			
	110D	8015	133	8738	148	8718	144			
OWL2-12L/15L/18L	60D	11893/14580/17148	148/145/143	12714/15587/18333	163/160/157	12499/15323/18033	156/153/150	80/100/120	400W MH	Standard
	90D	12138/14880/17507	156/153/150	12646/15504/18240	166/163/159	12830/15729/18504	165/162/158			
	110D	11597/14218/16522	145/142/139	12274/15048/17699	158/155/152	12141/14884/17510	151/148/145			
OWL2-12L	60D	11893	148	12714	163	12499	156	80	320W MH	Standard
	90D	12138	156	12646	166	12830	165			
	110D	11597	145	12274	158	12141	151			
OWL2-15L	60D	14580	145	15587	160	15323	153	100	400W MH	Standard
	90D	14880	153	15504	163	15729	162			
	110D	14218	142	15048	155	14884	148			

¹ LED Chips are frequently updated therefore values are nominal
² Electrical data at 25C (77F). Actual wattage may differ by +/-10%

ELECTRICAL DATA (AMPS)

Lumen Package	Wattage	120V	208V	240V	277V	347V	480V
OWM2-3L	20.0	0.2	0.1	0.1	0.1	0.1	0.0
OWM2-4L	30.0	0.3	0.1	0.1	0.1	0.1	0.1
OWM2-6L	40.0	0.3	0.2	0.2	0.1	0.1	0.1
OWL2-9L	60.0	0.5	0.3	0.3	0.2	0.2	0.1
OWL2-12L	80.0	0.7	0.4	0.3	0.3	0.2	0.2
OWL2-15L	100.0	0.8	0.5	0.4	0.4	0.3	0.2
OWL2-18L	120.0	1.0	0.6	0.5	0.4	0.3	0.3

¹Electrical data at 25C (77F). Actual wattage may differ by +/-10%.



CONTROLS OPTIONS

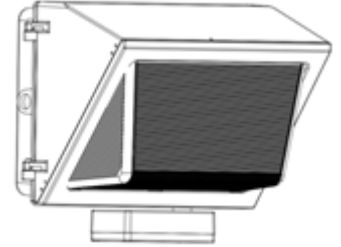
BASIC

FSP311/Lx or FSP321/Lx

Optional Bluetooth Programmable PIR sensor allows for Continuous Dimming, Motion and/ or daylight harvesting, Fully adjustable high/low dimmed light levels, and Adjustable time delay/ cutoff delay. The sensor is programmed via a free iOS® or Android® Sensor Configuration App (compatible device provided by others). See coverage patterns below, L7=20'-40', L3=8-20', L2= 8'.

Default Settings:

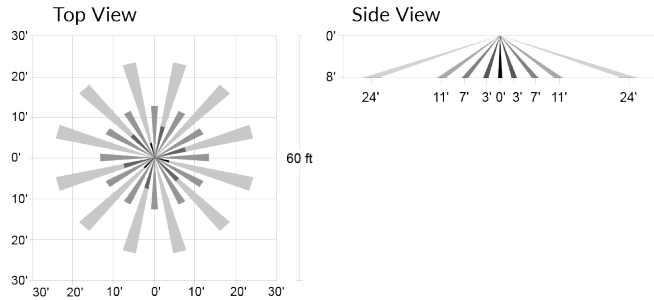
- High Mode: 100% Output
- Low Mode: 10% Output
- Time Delay: 5 mins
- Cutoff: 1 hr
- Sensitivity: High
- Photocell: Disabled
- Continuous Dimming: Disabled"



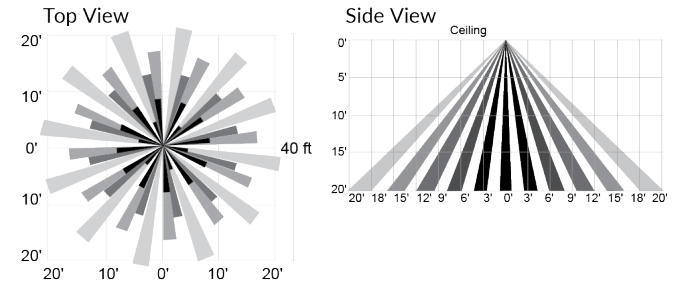
FSP311/Lx

COVERAGE PATTERNS

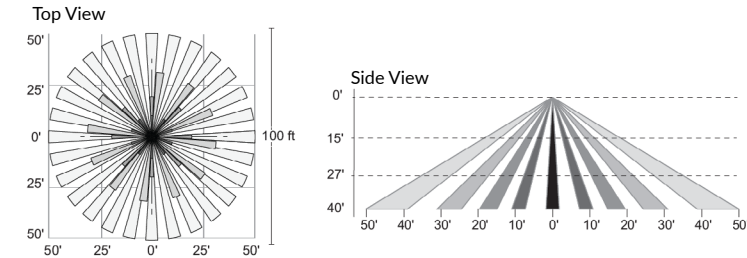
FSP311/L2 or FSP321/L2



FSP311/L3 or FSP321/L3



FSP311/L7 or FSP321/L7



CONTROLS OPTIONS (Continued)

ADVANCED

NUROAir by ILLUMUS

NURO

NUROAir Plug n Play Bluetooth Sensor is the optimal groupable controls lighting solution. With main features such as Plug and Play, PIR Motion Sensing, Occupancy/Vacancy and Photocell (BLK) - this flexibility makes the NUROAir Plug n Play Sensor ideal for tailoring lighting to specific space needs, optimizing both ambiance and efficiency. The NUROAir App, available for download on iOS and Google Play Store, offers a user-friendly interface for automatic or manual customization of your space. Through the app, users can configure sensor settings such as the Light Output, CCT, Hold Time, Standby Time/Level, High/Low End Trim, Background Light Level, Set Schedules, and Control Lighting Groups or Zones, all from a mobile or tablet device. Manual control is also available with a range of compatible wireless & wired wall switch options.


NUROAir®
 Bluetooth Controls

POWERED BY ILLUMUS, BRANDS



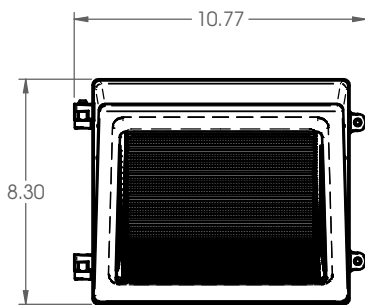
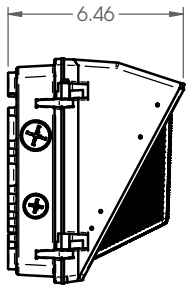
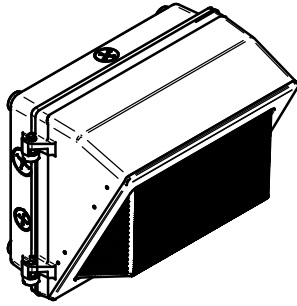
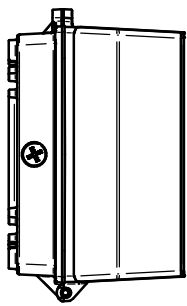
[Click Here or Scan Code
to Learn More About](#)

NUROAir Bluetooth Controls

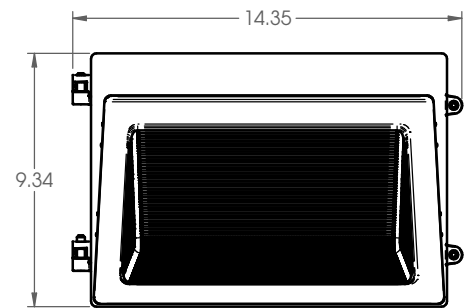
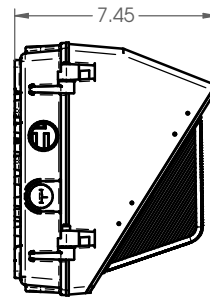
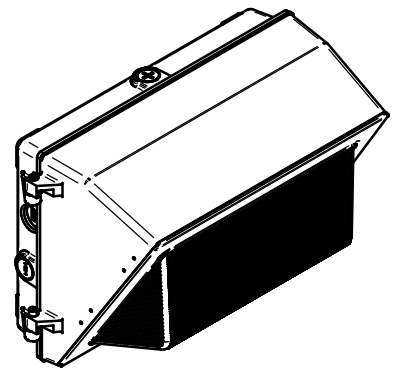
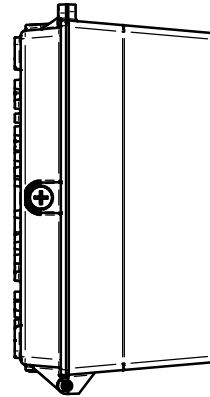


LINE DRAWINGS (All measurements in inches)

OWM



OWL





PHOTOMETRIC DATA

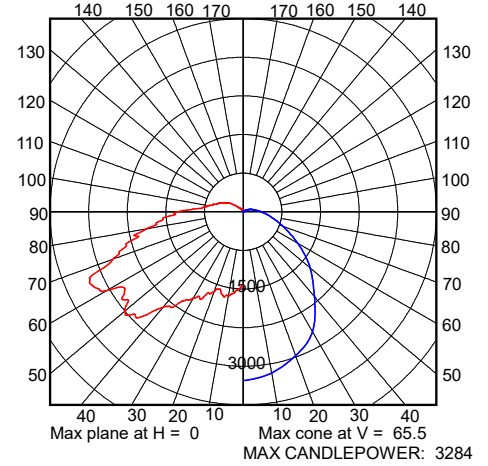
LUMINAIRE DATA

Part Number	OWM2-6L-U-40-60D
Description	Open Face Wall Pack 2, Selectable 6,000 Lumens, 4000K CCT, 60 Degrees Distribution
Fixture Lumens (lm)	6161 lm
Wattage (W)	39.36 W
Efficacy (lm/W)	157 lm/W
Mounting	Wall Mounted

ZONAL LUMEN SUMMARY

Zone	Lumens (lm)	% Fixture
0° - 40°	1396.12	23%
0° - 60°	2956.15	48%
0° - 90°	5323.75	86%
90° - 180°	837.19	14%
0° - 180°	6160.94	100%

CANDELA PLOT



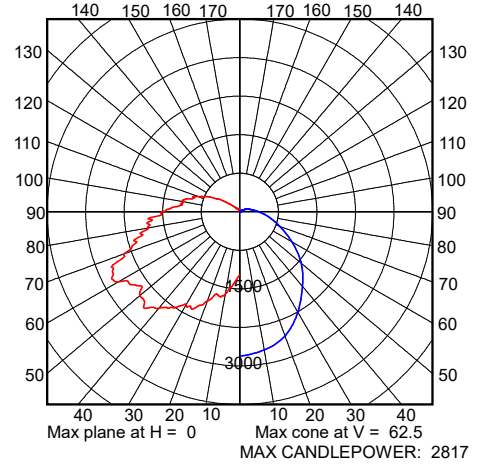
LUMINAIRE DATA

Part Number	OWM2-6L-U-40-90D
Description	Open Face Wall Pack 2, Selectable 6,000 Lumens, 4000K CCT, 90 Degrees Distribution
Fixture Lumens (lm)	6079 lm
Wattage (W)	39.28 W
Efficacy (lm/W)	155 lm/W
Mounting	Wall Mounted

ZONAL LUMEN SUMMARY

Zone	Lumens (lm)	% Fixture
0° - 40°	1343	22%
0° - 60°	2853	47%
0° - 90°	5032	83%
90° - 180°	1046	17%
0° - 180°	6079	100%

CANDELA PLOT



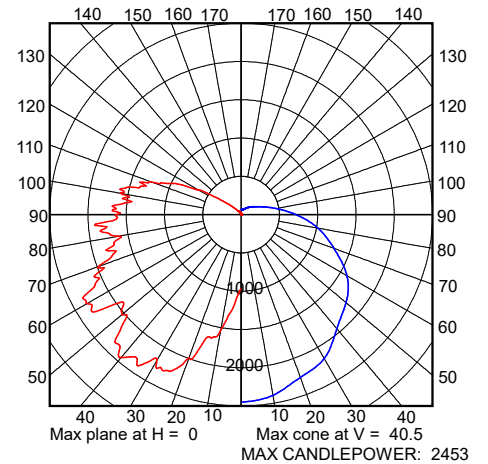
LUMINAIRE DATA

Part Number	OWM2-6L-U-40-110D
Description	Open Face Wall Pack 2, Selectable 6,000 Lumens, 4000K CCT, 110 Degrees Distribution
Fixture Lumens (lm)	6089 lm
Wattage (W)	39.35 W
Efficacy (lm/W)	155 lm/W
Mounting	Wall Mounted

ZONAL LUMEN SUMMARY

Zone	Lumens (lm)	% Fixture
0° - 40°	1308	22%
0° - 60°	2789	46%
0° - 90°	4804	79%
90° - 180°	1285	21%
0° - 180°	6089	100%

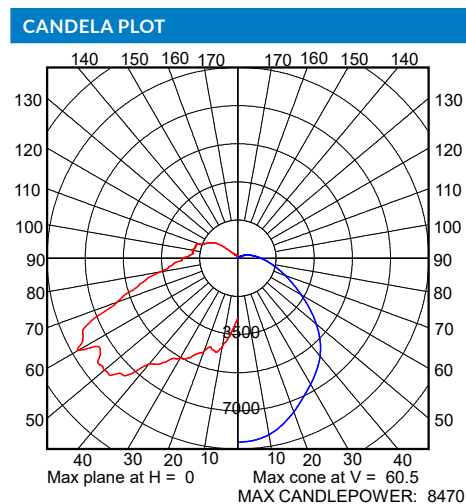
CANDELA PLOT



PHOTOMETRIC DATA (Continued)

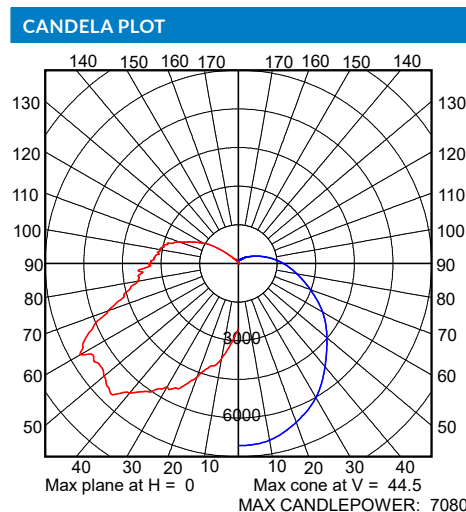
LUMINAIRE DATA	
Part Number	OWL2-12L/15L/18L-U-40-60D
Description	Open Face Wall Pack 2, Selectable 15,000 Lumens, 4000K CCT, 60 Degrees Distribution
Fixture Lumens (lm)	15588.95 lm
Wattage (W)	97.33 W
Efficacy (lm/W)	160 lm/W
Mounting	Wall Mounted

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	3883	25%
0° - 60°	8488	55%
0° - 90°	13556	87%
90° - 180°	2031	13%
0° - 180°	15587	100%



LUMINAIRE DATA	
Part Number	OWL2-12L/15L/18L-U-40-90D
Description	Open Face Wall Pack 2, Selectable 15,000 Lumens, 4000K CCT, 90 Degrees Distribution
Fixture Lumens (lm)	15503.89 lm
Wattage (W)	95.36 W
Efficacy (lm/W)	163 lm/W
Mounting	Wall Mounted

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	3863	25%
0° - 60°	8086	52%
0° - 90°	12951	84%
90° - 180°	2553	17%
0° - 180°	15504	100%



LUMINAIRE DATA	
Part Number	OWL2-12L/15L/18L-U-40-110D
Description	Open Face Wall Pack 2, Selectable 15,000 Lumens, 4000K CCT, 110 Degrees Distribution
Fixture Lumens (lm)	15046.67 lm
Wattage (W)	97.25 W
Efficacy (lm/W)	155 lm/W
Mounting	Wall Mounted

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	3760	25%
0° - 60°	7522	50%
0° - 90°	12052	80%
90° - 180°	2996	20%
0° - 180°	15048	100%

