

OWL13

OUTDOOR WALL LIGHT SPECIFICATIONS



Job Information	
Project Name	
Type	
Location	
Quantity	
Date	

DESCRIPTION

With bright, reliable, and consistent lighting, this wall pack ensures optimal visibility and safety in outdoor environments. Sturdy and durable, it can withstand harsh weather conditions and is resistant to water, dust, and other environmental elements. Its long lifespan reduces the need for frequent replacement. This LED light can brighten to full capacity instantly without the need for warm-up and also has dimming capabilities. It is an eco-friendly choice since it contains no mercury and is highly energy-efficient. With full cut-off light distribution is a dark-sky friendly choice as well. Ideal for illuminating walkways, entrances, parking lots, and building exteriors

OVERVIEW

- 40W/80W 135 lm/W
- IP65 rating
- Wide range input voltage AC120-277V, AC120-347V
- Sensor with ZHAGA 18 receptacle available as optional accessory
- EM backup available as optional accessory only for 40W option.
- DC Photocell comes as standard
- Die-cast aluminum housing, high quality and good for heat dissipation
- 0-10V dimming
- Uniformly asymmetrical light distribution, illuminating the area without light pollution.
- 5 years warranty.
- Dark Sky Approved when $\leq 3000K$

PERFORMANCE

MODEL NO.	OWL13-40	OWL13-80
POWER CONSUMPTION(±10%)	40/32/24W	80/64/48W
INPUT VOLTAGE	120-277VAC, 120-347VAC	
LUMINOUS FLUX (±10%)	5400/4320/3240 LM	10800/8640/6480 LM
EFFICACY(4000K RA70)	135 LM/W	
CCT	3CCT (3000/4000/5000K)	
CRI	>80	
DIMMING	0-10V	
PRODUCT DIMENSION	330x175x165mm (13" x 6.89"x6.49")	
MOUNTING OPTION	WALL MOUNTED	
MATERIAL	DIE-CASTING ALUMINIUM BODY, POLYCARBONATE LENS	
FINISH	POWDER COATING	
LENS	T3/T4/T5	
FIXTURE COLOR	BLACK/WHITE/BRONZE	
IP RATING	IP65	
OPERATING TEMPERATURE	-40°C TO + 45°C(-40°F TO 113°F)	
LIFESPAN OF LED @TA=25°C	LM79, LM80 65000 HRS	
WARRANTY	5 YEARS	
APPLICATION	OUTDOOR, LANDSCAPE, PERIMETER	

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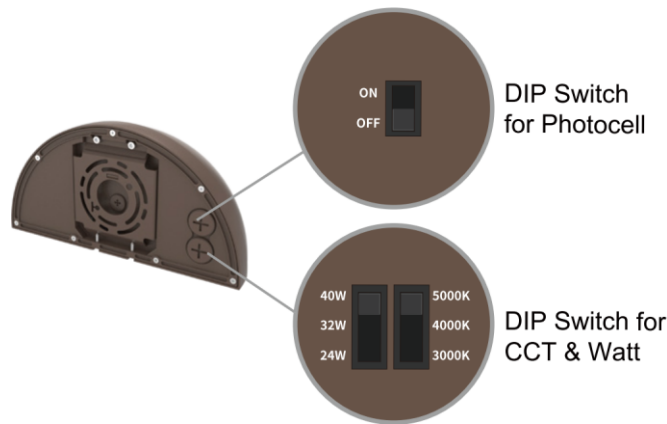
PRODUCT ORDERING GUIDE

EXAMPLE: OWL13-40-3CCT-80-V-T3-B-PB-EM

SERIES	WATTAGE	CCT	CRI	DIMMING	LENS	FINISH	PHOTOSENSOR	EMERGENCY OPTION
OWL13	40: 40/32/24W	3CCT	80	N: NONE	T3	B: BLACK	P: PIR SENSOR	E: EM BACKUP ①
	80: 80/64/48W			V: 0-10V	T4	W: WHITE	PB: PIR SENSOR + BLUETOOTH	N: NONE
				T5	Z: BRONZE	M: MOTION SENSOR		
						MB: MOTION SENSOR + BLUETOOTH		
							PH: PHOTO SENSOR	
							N: NO SENSOR	

Notes:

① Emergency battery backup is only available for 40W Option



FEATURES

► Optics

Self-replaceable optical lens T3, T4, and T5 available, which makes OWL13 very efficient, with low UGR profile and asymmetrical light distribution.

► Electrical

Voltage	120/277VAC, 120-347VAC
THD	<20%
Power Factor	>0.9

► Environment & Certifications

UL listed for wet locations

► Warranty

5 years limited warranty

► Chip

Powered by high efficiency Bridgelux COB LED chip.

► Finish

The powder-coated finish ensures a uniform appearance, offering long-term durability and superior aesthetics.

► Housing Material

Die-cast aluminum housing ensures durability and efficiency, with heat resistance polycarbonate lens.

► LED System

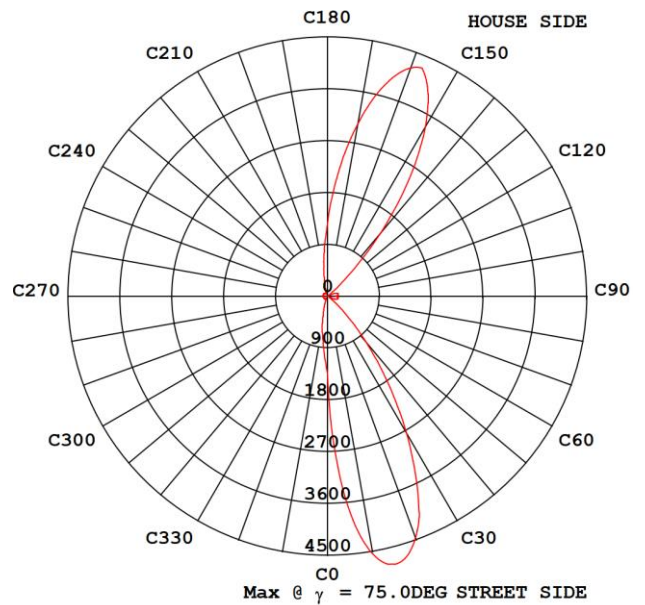
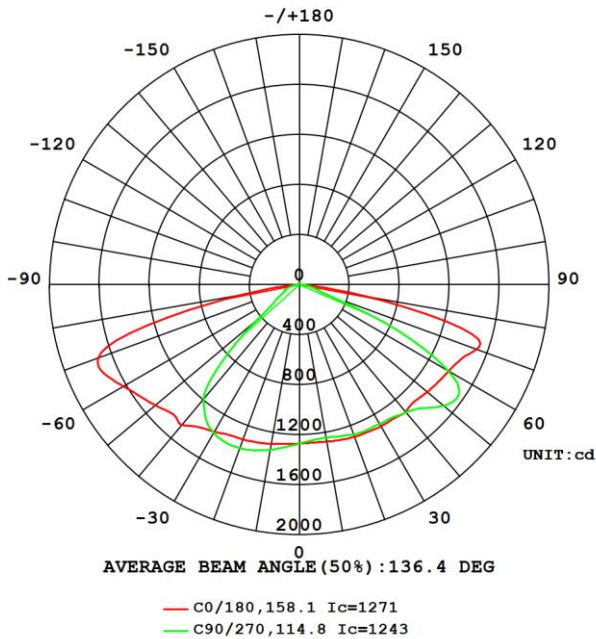
CRI	With an option of 80 color rendering index (CRI), this product delivers adequate illumination, featuring tight chromatically specifications and a precise color binning process to ensure consistency in CRI and CCT.
CCT	CCT selectable with excellent color consistency.
Thermal Management	Great heat dissipation due to die-cast aluminum body.

PHOTOMETRIC DIAGRAM

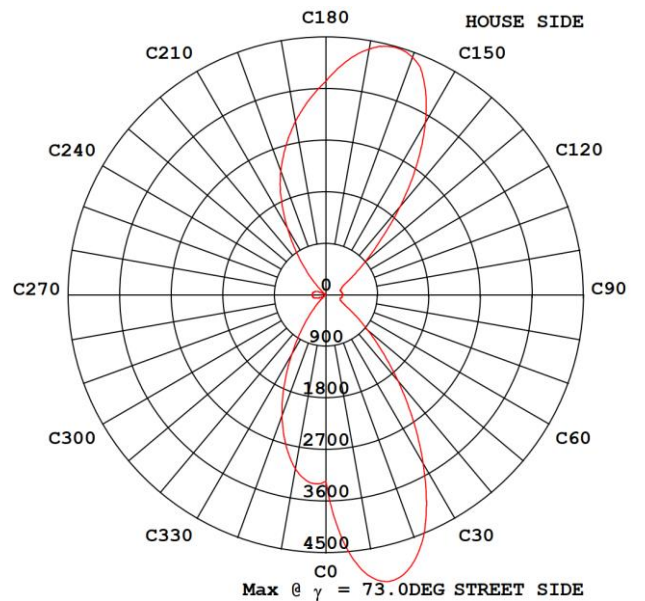
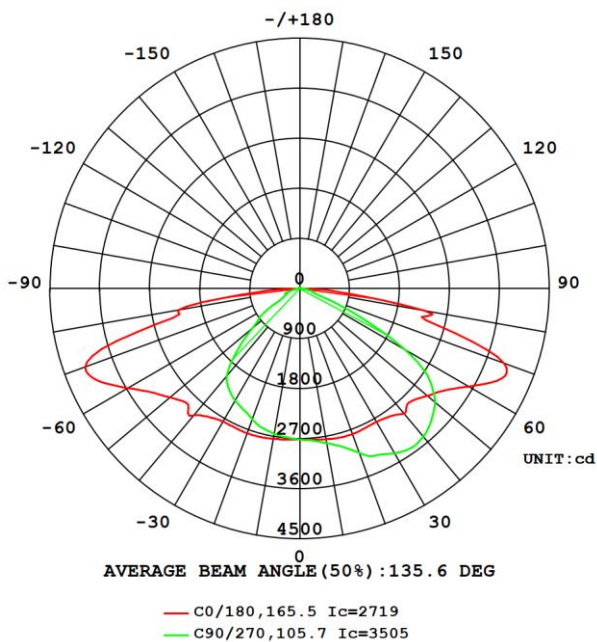
INTENSITY DISTRIBUTION DIAGRAM

MAX INTENSITY CONE SURFACE DISTRIBUTION DIAGRAM

40W, Ra80, 4000K



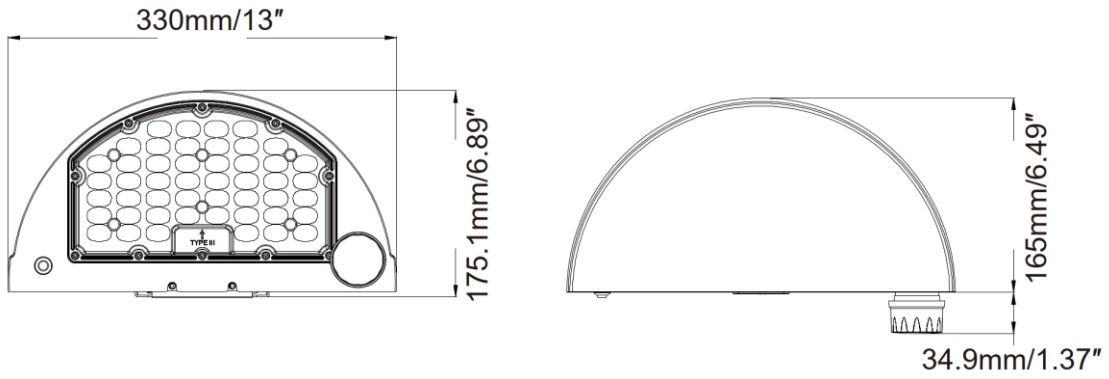
80W, Ra80, 4000K



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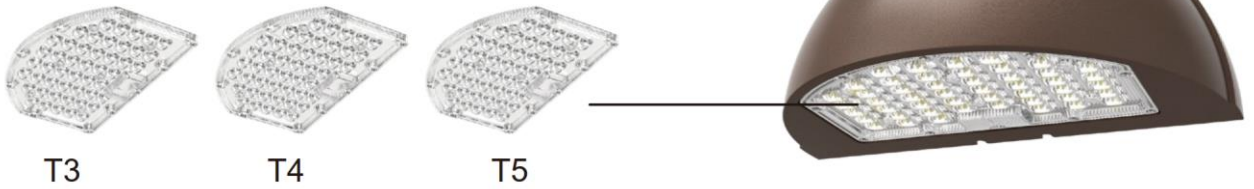
DIMENSIONS



40W/80W

ACCESSORIES

SELF-REPLACEABLE LENS



SENSOR WITH ZHAGA 18 RECEPTACLE AVAILABLE AS OPTIONAL ACCESSORY



ACCESSORIES

EMERGENCY BACK-UP (SOLD SEPARATELY, ONLY FOR 40W OPTION)



Ordering data

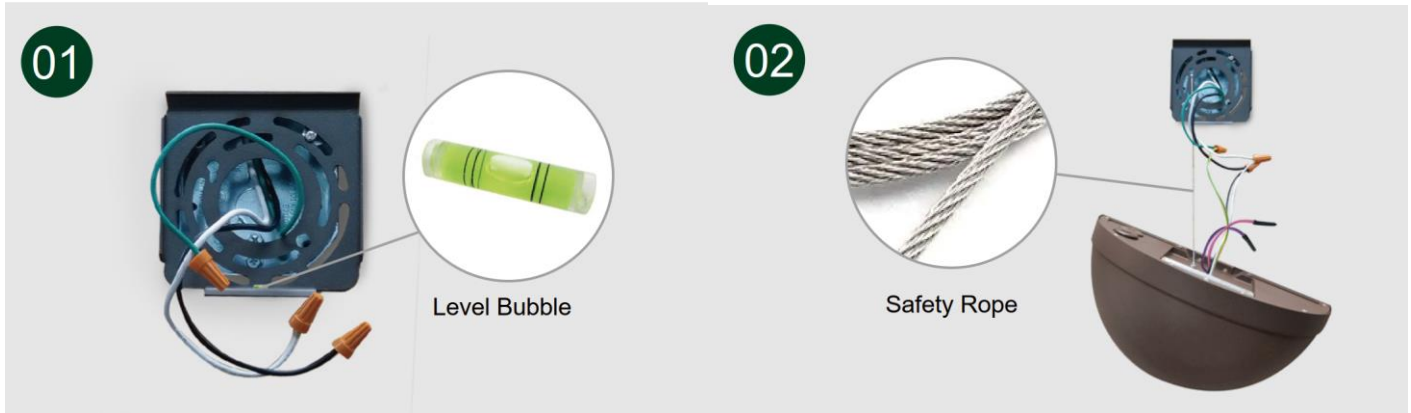
Model No.:	Input voltage	Voltage/power (E.M mode,Vdc)	Emergency time	Battery pack	Battery capacity
YH36-04WL-54	100-347Vac 50/60Hz	25-54V 4W	90min	LiFePO4 6.4V 1.6Ah	10.24Wh
YH36-04WL-300		90-300V 4W			
YH36A-04WL-54	100-277Vac 50/60Hz	25-54V 4W	90min	LiFePO4 6.4V 1.6Ah	10.24Wh
YH36A-04WL-300		90-300V 4W			
YH36-09WL-50	100-347Vac 50/60Hz	15-54V 9W	90min	LiFePO4 6.4V 3.2Ah	20.48Wh
YH36-09WL-300		90-300V 9W			
YH36A-09WL-50	100-277Vac 50/60Hz	15-54V 9W	90min	LiFePO4 6.4V 3.2Ah	20.48Wh
YH36A-09WL-300		90-300V 9W			
YH36-16WL-54	100-347Vac 50/60Hz	25-54V 16W	90min	LiFePO4 12.8V 3.3Ah	42.24Wh
YH36-16WL-300		90-300V 16W			
YH36A-16WL-54	100-277Vac 50/60Hz	25-54V 16W	90min	LiFePO4 12.8V 3.3Ah	42.24Wh
YH36A-16WL-300		90-300V 16W			
YH36-25WL-54	100-347Vac 50/60Hz	25-54V 25W	90min	LiFePO4 12.8V 4.8Ah	61.44Wh
YH36-25WL-300		90-300V 25W			
YH36A-25WL-54	100-277Vac 50/60Hz	25-54V 25W	90min	LiFePO4 12.8V 4.8Ah	61.44Wh
YH36A-25WL-300		90-300V 25W			
YH36-25WL3-54	100-347Vac 50/60Hz	25-54V 25W	90min	LiFePO4 9.6V 6.6Ah	63.36Wh
YH36-25WL3-300		90-300V 25W			
YH36A-25WL3-54	100-277Vac 50/60Hz	25-54V 25W	90min	LiFePO4 9.6V 6.6Ah	63.36Wh
YH36A-25WL3-300		90-300V 25W			

ACCESSORIES

EMERGENCY BATTERY BACK-UP TECHNICAL DATA

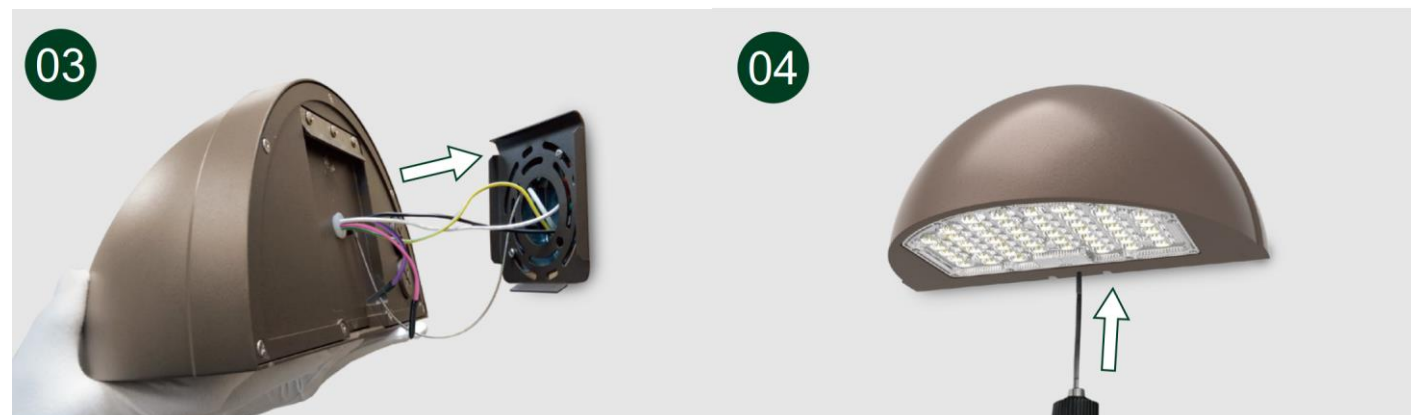
RATED INPUT VOLTAGE	100-347V, 100-277VAC,50/60HZ
INPUT CURRENT	120MA MAX
INPUT POWER	8W MAX
POWER FACTOR	0.6 @100VAC, 0.5@347VAC
OUTPUT WIRE L-OUT N-OUT (LED LOAD INPUT)	AC 6A MAX
OUTPUT VOLTAGE RANGE	DC25-54V, 60V MAX, 90-300V, 350V MAX.
OUTPUT VOLTAGE(EMERGENCY MOC E)	4, 9, 16, 25W, CONSTANT POWER
BATTERY CELLS TYPE	LIFEPO4 3.2V, 18650-1.6AH, 26650-3.3AH
RECHARGE CURRENT	0-500MA
RECHARGE TIME	24-48 HRS
DISCHARGE TIME	90 MINUTES
MAX. CASING TEMPERATURE TC	80°C
AMBIENT OPERATING TEMPERATURE TA	0-60°C
SERVICE LIFE	50000 HOURS
RFI/EMI	FCC

INSTALLATION INSTRUCTIONS



1. Refer to level bubble to place bracket, Install the bracket on the wall.

2. Thread safety rope to mounting bracket then fasten the other side to fixture base plate with screw.



3. Lift fixture up and tilt slightly toward wall mounted bracket as shown above. Hook fixture base plate with mounting bracket.

4. Fasten the fixture tightly to the bracket.