

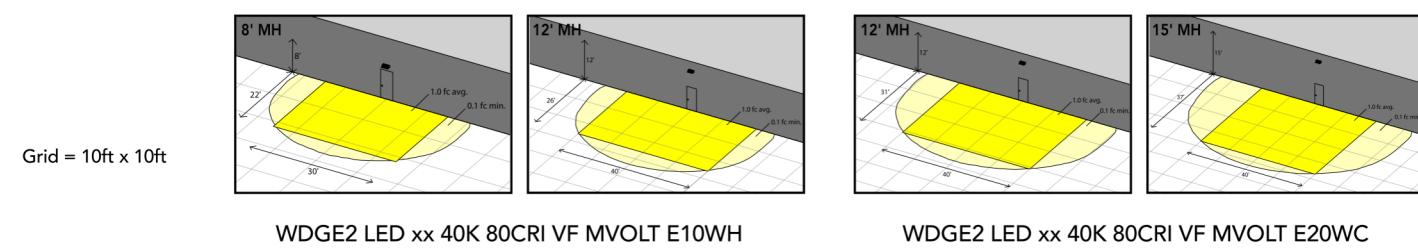
#### Emergency Egress Options

##### Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

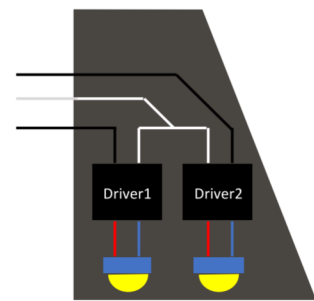
The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E10WH or E20WC and VF distribution.



##### Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



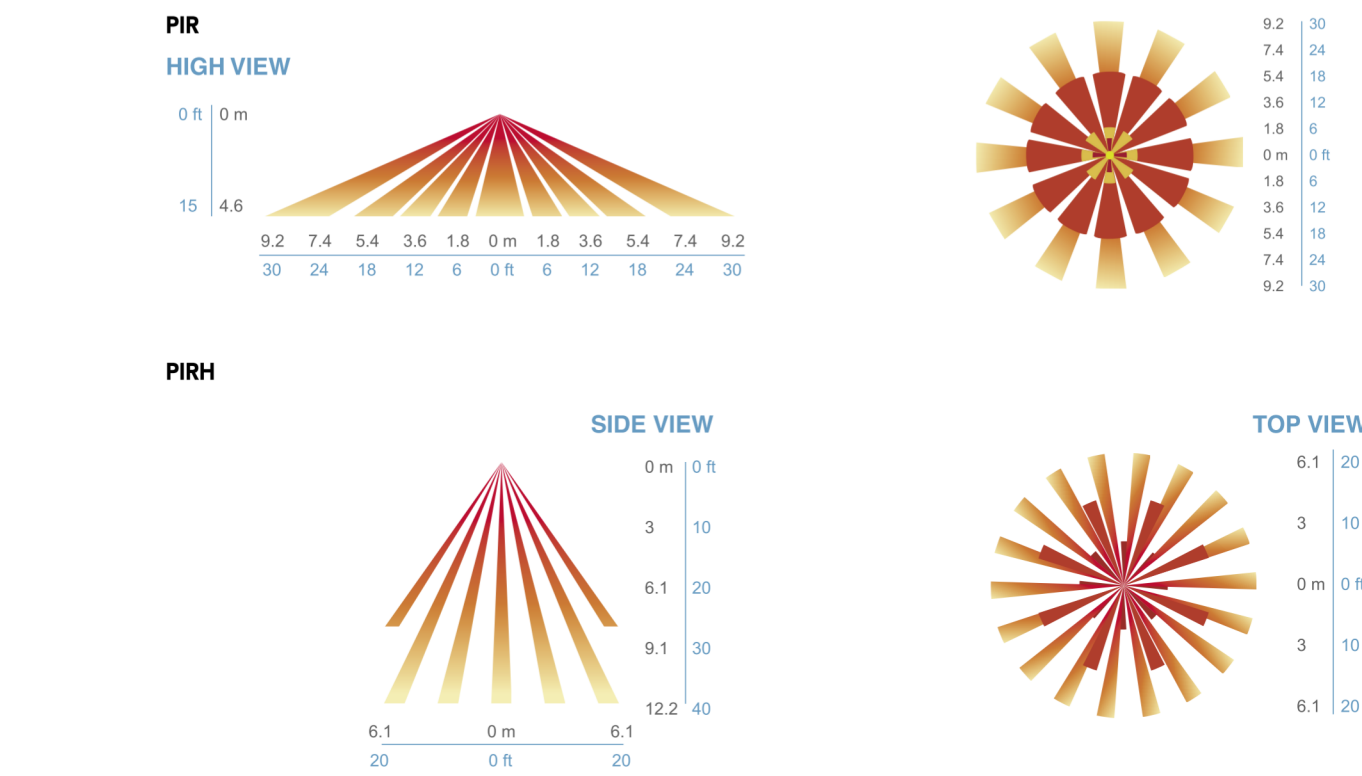
#### Control / Sensor Options

##### Motion/Ambient Sensor (PIR, PIRH)

Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

##### Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLARITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10W (100% output)	Enabled @ 5k	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIRHCV, PIRHFCV	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10W (100% output)	Enabled @ 1k	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10W (100% output)	Enabled @ 5k	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

**WDGE2 LED**  
Architectural Wall Sconce

**Specifications**

**Depth (D1):** 7"  
**Depth (D2):** 1.5"  
**Height:** 9"  
**Width:** 11.5"  
**Weight:** 13.5 lbs (without options)

**Introduction**

The WDG2 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDG2 family provides additional energy savings and code compliance.

WDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDG2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview										
Luminaire	Standard EM, 0° C	Cold EM, -20° C	Sensor	Lumens (4000K)						Weight (lbs)
				P1	P2	P3	P4	P5	P6	
WDGE2 LED	4W	--	--	1,200	2,000	--	--	--	--	--
WDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--	--
WDGE2 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--	--
WDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000	--

#### Ordering Information

EXAMPLE: WDG2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting	Shipped included	Shipped separately	
WGE2 LED	P1*	P15W	27K 2700K	80CRI	VF	Visual comfort forward throw	347V	AWSS	
	P2*	P25W	30K 3000K	90CRI			58M	Surfer mounting bracket	
	P3*	P35W	35K 3500K		VW	Visual comfort wide	480V	PBBW	
	P4*	Data with small overhead CRI1 required to accommodate sensors. See page 3 for more details.		40K 4000K			ICW	Indirect Canopy ( ceiling Washer bracket (dry damp locations only) )	
	P5*		50K 5000K					AWSS 3/8inch Architectural wall spacer	
								S 1/4" conduit - mounted back box (left, right or center mount available. Use upon request, no junction box available.	
Options								Finish	
E4WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0° C min)							DDBRD	Dark bronze
E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5° C min)							DBLRD	Black
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 20° C min)							DDBWD	Natural aluminum
PE*	Photocell, Button Type							DSSRD	Sandstone
DS*	Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details)							DDBRD	Twisted dark bronze
DMG*	0-10V dimming wires pulled outside fixture (for use with an external control), ordered separately							DDBRD	Twisted black
								DDBRD	Twisted natural aluminum
								DDBRD	Twisted white
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.							DDBRD	Twisted sandstone
See page 4 for list of functionality									

**Accessories**  
(Optional and sold separately)

WDGEAWSS DDBRD U WDG2 3/8 inch Architectural Wall Space (specify finish)

WDGE2PBBW DDBRD U WDG2 surface-mounted back box (specify finish)

**NOTES**

- P1/P5 not available with sensors/controls. Sensors/controls only available with P1/P2/P3/P4/P5.
- 50K not available in 90CRI.
- 347V and 480V not available with E4WH, E10WH, E20WC or DS.
- PE not available in 480V or with sensors/controls.
- DS option not available with E4WH, E10WH, E20WC or sensors/controls.
- DMG option not available with sensors/controls.
- Not qualified for DCC. Not available with emergency battery backup or sensors/controls.

Default configuration with no sensors/controls.

Power Packages: P1, P2, P3, P4, P5

Small Window (SW) configuration

Power Packages: P1/P2/P3/P4/P5

Configuration with sensors/controls

Power Packages: P1/P2/P3/P4/P5

#### Performance Data

##### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1 / P1SW	10W	VF	1,166	119	0	0	0	1,209	123	0	0	0	1,251	128	0	0	0	1,254	128	0	0	0	1,254	128	0	0	0
		VW	1,197	122	0	0	0	1,241	126	0	0	0	1,284	131	0	0	0	1,289	131	0	0	0	1,286	131	0	0	0
P2 / P2SW	15W	VF	1,878	129	1	0	0	1,947	134	1	0	0	2,015	139	1	0	0	2,023	139	1	0	0	2,019	139	1	0	0
		VW	1,927	133	1	0	0	1,997	137	1	0	0	2,067	142	1	0	0	2,075	143	1	0	0	2,071	143	1	0	0
P3 / P3SW	23W	VF	2,908	129	1	0	0	3,015	134	1	0	0	3,119	138	1	0	0	3,132	139	1	0	0	3,126	139	1	0	0
		VW	2,983	132	1	0	0	3,093	137	1	0	0	3,200	142	1	0	0	3,213	143	1	0	0	3,206	142	1	0	0
P4	35W	VF	4,096	117	1	0	1	4,247	121	1	0	1	4,394	126	1	0	1	4,412	126	1	0	1	4,403	126	1	0	1
		VW	4,202	120	1	0	0	4,357	125	1	0	1	4,508	129	1	0	1	4,526	129	1	0	1	4,517	129	1	0	1
P5	48W	VF	5,567	115	1	0	1	5,772	119	1	0	1	5,972	123	1	0	1	5,996	124	1	0	1	5,984	124	1	0	1
		VW	5,711	118	1	0	1	5,921	122	1	0	1	6,127	126	1	0	1	6,151	127	1	0	1	6,139	127	1	0	1

##### Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1 / P1SW	10W	0.082	0.049	0.043	0.038	--	--
	13W	--	--	--	0.046	0.033	--
P2 / P2SW	15W	0.132	0.081	0.072	0.064	--	--
	18W	--	--	--	0.056	0.041	--
P3 / P3SW	23W	0.195	0.114	0.100	0.088	--	--
	26W	--	--	--	0.079	0.058	--
P4	35W	0.302	0.175	0.152	0.134	--	--
	38W	--	--	--	0.115	0.086	--
P5	48W	0.434	0.241	0.211	0.184	--	--
	52W	--	--	--	0.157	0.119	--

##### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine adjusted lumen output for average ambient temperature from 0-40°C (32-104°F)

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

##### Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

##### Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Emergency Mode Lumen Output
E4WH	VF 646
E10WH	VW 647
E10WH	VF 1,658
E10WH	VW 1,201
E20WC	VF 2,840
E20WC	VW 2,913

##### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (based per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91

## THE KIMSEY

7120 E INDIAN SCHOOL RD,  
SCOTTSDALE, AZ 85251

- CASE PRE-APP NUMBER -  
63-PA-2020

## Gensler

2575 E Camelback Road  
Suite 175  
Phoenix, AZ 85016  
United States

Tel 602.523.4900  
Fax 602.523.4949

## SYDNOR

4806 N 78TH Place  
Scottsdale, AZ 85251  
United States

Tel 480.206.4593

Date	Description
06/18/21	Development Review Board

Seal / Signature

## NOT FOR CONSTRUCTION

Project Name

3RD AVENUE + INDIAN SCHOOL  
ROAD - SCOTTSDALE, AZ

Project Number

057.6850.000

Description

LIGHTING CUT SHEETS

Scale

12" = 1'-0"

## 52.4