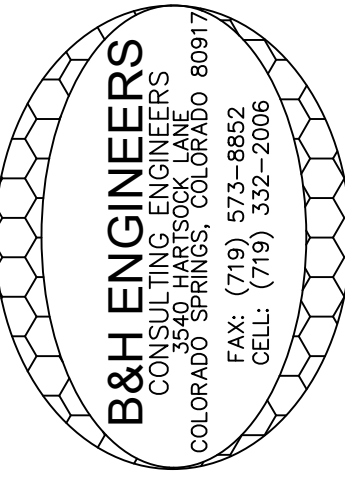
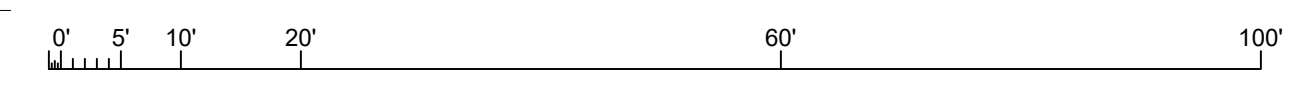


**PHOTO METRIC PLAN**

SCALE: 1/16" = 10'



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PHOTO METRIC PLAN

PM1

PPR2348



Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	Polar Plot
	A		14	Lithonia Lighting	WDG2 LED P2 50K 80CRI T1S	WDG2 LED WITH P2 - PERFORMANCE PACKAGE, 5000K, 80CRI, TYPE 1 SHORT OPTIC, FULL CUTDF	1	1957	1	18.9815	

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	0.0 fc	6.5 fc	0.0 fc	N/A	N/A

### WDG2 LED Architectural Wall Sconce Precision Reflective Optic

**Specifications**

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

#### WDGE LED Family Overview

Luminaire	Optic	Standard EM, 0°	Cold-White, 30°C	Beam	PI	TI	PS	PA	TS	PC
WDGE1 LED	Visual Comfort	4W	—	—	750	1,200	2,000	—	—	—
WDGE2 LED	Visual Comfort	15W	18W	Standard/night	—	1,200	2,000	3,000	4,500	6,000
WDGE2 LED	Precision Reflective	15W	18W	Standard/night	700	1,200	2,000	3,000	4,500	—
WDGE3 LED	Precision Reflective	15W	18W	Standard/night	—	7,500	8,500	10,000	12,000	—
WDGE4 LED	Precision Reflective	—	—	Standard/night	—	12,000	14,000	18,000	20,000	25,000

#### Ordering Information

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

Series	Package	Color Temperature	Optic	Beam	Voltage	Mounting	Shipped separately
WDGE2 LED	P0*	2700	2700K	70CRI*	T1S	Type 1 Short	MVOLT
	P1*	3000	3000K	80CRI	T2M	Type II Medium	40V
	P2*	4000	4000K	WFL*	T4M	Type IV Medium	SRM
	P3*	5000	5000K	—	T3M	Type III Medium	DBBXD
	P4*	AMP	Amber	TTM	TTM	Forward Throw Medium	—

Options	Standard Sensor/Controls	Finish
EDWV	Emergency battery backup, Certified to CA Title 20 MA0285 (100% 3-1/2 hrs)	DBBXD
EDWV	Emergency battery backup, Certified to CA Title 20 MA0285 (100% 3-1/2 hrs)	DELUX
PE†	PhotoCell, Button Type	DMAX
DMG*	0-10V dimming wires pulled outside fixture for use with an external control system (sold separately)	OSD
BKE	Bottom contact entry for back box (SRM). Total of 4 entry points.	OSD
BAA	Buy America's Act Compliant	OSD

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#### Accessories

**WDG2 LED P2 50K 80CRI T1S**

**NOTES:**

- P0 option not available with sensors/controls.
- P1-P4 are available with AMP and DMG.
- AMP and DMG always go together.
- T0CR only available with T2M and T4M.
- 347V and 480V not available with EDWV or EDWVC.
- Not qualified for DCLC. Not available with emergency battery backup or sensors/controls.
- P2 not available in 480V or with sensors/controls.
- DMG option not available with sensors/controls.

#### 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 tolerance allowed by lighting facts. Contact factory for performance data on any configurations not shown here.

Performance Package	Optic	Beam	100K (2700K, 3000K)	100K (3000K, 3500K)	100K (4000K, 4000K)	100K (4000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)		
P0	70°	T1S	656	702	0	0	0	0	0	0	0	0	0	0	0	0	0	
			1200	1200	0	0	0	0	0	0	0	0	0	0	0	0	0	
			2000	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			3000	3000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			4500	4500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			6000	6000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Performance Package	Optic	Beam	100K (2700K, 3000K)	100K (3000K, 3500K)	100K (4000K, 4000K)	100K (4000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)	50K (5000K, 5000K)		
P0	70°	T1S	777	797	0	0	0	0	0	0	0	0	0	0	0	0	0	
			1400	1400	0	0	0	0	0	0	0	0	0	0	0	0	0	
			2500	2500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			3500	3500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			5000	5000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			7000	7000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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#### Electrical Load

Performance Package	Switch Mode	2700K	3000K	4000K	5000K	5000K
P0	7.0	0.061	0.042	0.04	0.039	—
	9.0	—	—	—	—	0.031
	11.0	0.100	0.064	0.059	0.054	—
P1	14.1	—	—	—	—	0.046
	19.0	0.168	0.106	0.095	0.083	—
	22.8	—	—	—	—	0.067
P3	33.8	0.284	0.163	0.164	0.151	—
	32.1	—	—	—	—	0.107
	47.8	0.412	0.234	0.207	0.185	—
P4	53.5	—	—	—	—	0.153

#### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 5-40°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	0.97

#### Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDG2 LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

#### 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 70NEC — section 700.16, NFPA 101 Life Safety Code Section 7.9

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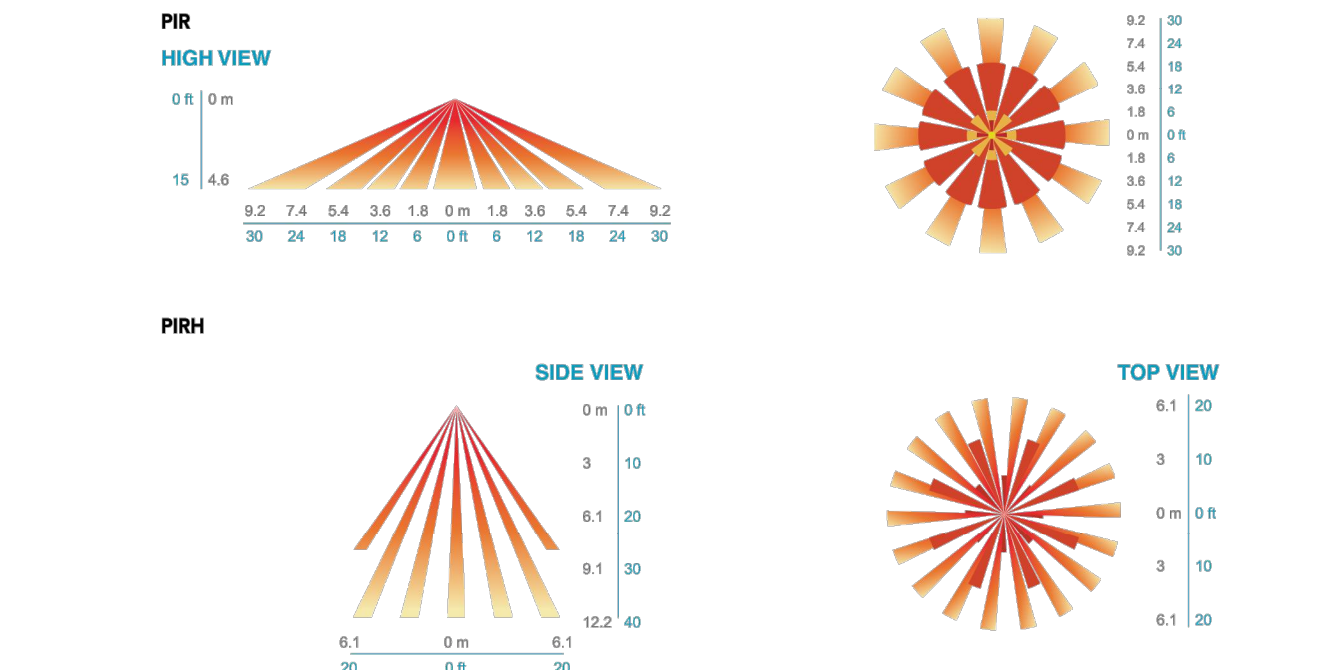
#### Control / Sensor Options

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

Motion/Ambient sensor (Sensor Switch: MSCD) is integrated into 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. PIRH option comes with a sensor lens that is optimized for 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 make nLight® AIR a secure, reliable and easy to use platform.



Optic	Day Level	High Level (Sensor Activated)	Photocell	Beam	Beam	Beam	Beam
PIR or PIRH	Motion - 3V (37% of full output) PhotoCell - 0V (Turned off)	10V (100% output)	Enabled @ 9%	5 min	5 min	Motion - 3 sec PhotoCell - 45 sec	
PIRHCV, PIRHCV	Motion - 3V (37% of full output) PhotoCell - 0V (Turned off)	10V (100% output)	Enabled @ 1%	5 min	5 min	Motion - 3 sec PhotoCell - 45 sec	
NLTAIR2 PIR, NLTAIR2 PIRH	Motion - 3V (37% of full output) PhotoCell - 0V (Turned off)	10V (100% output)	Enabled @ 9%	7.5 min	5 min	Motion - 3 sec PhotoCell - 45 sec	

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#### Mounting, Options & Accessories

##### Motion/Ambient Sensor

D = 7"  
H = 9"  
W = 11.5"

##### PBBW - Surface-Mounted Back Box

Use when there is no junction box available.  
D = 1.75"  
H = 9"  
W = 11.5"

##### AWS - 3/8inch Architectural Wall Spacer

D = 0.38"  
H = 4.4"  
W = 7.5"

#### FEATURES & SPECIFICATIONS

##### INTENDED USE

Common architectural look with clean rectangular shape, the WDG2 LED was designed to blend with any type of construction, whether it be brick, stone or concrete. Application include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

##### CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

##### FINISH

Exterior painted parts are protected by a zinc-fluoride Super Durable TGIC thermoplastic powder coat finish that provides superior resistance to corrosion. Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

##### OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it's most needed. The WDG2 LED has zero spill light and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful light.

##### ELECTRICAL

Light engine consists of high-efficiency LEDs mounted to metal-core circuit board(s) to minimize heat dissipation and promote long life (up to L70/100,000 hours at 25°C). The electronics driver has a power factor of 99%, THD < 20%. Luminaire comes with built-in 50V surge protection, which meets a minimum Category C line impedance surge (ANSI/IEEE C62.41.2). Fixture ships standard with 0-10V dimmable driver.

##### INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The AWS can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

##### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are listed for wet location. Rated for 40°C minimum ambient. DesignLight Consortium® DLC2 Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.dlc.com to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing ZPOOK and 3000K color temperature only and SRM mounting only.

##### BUY AMERICAN ACT

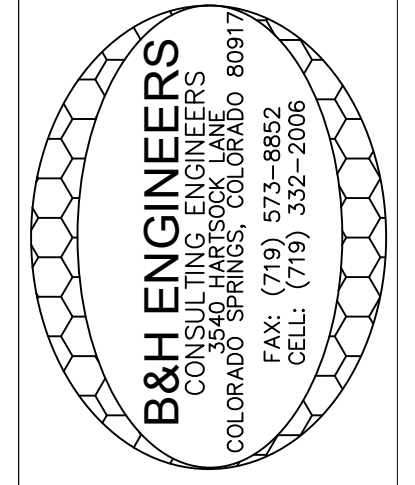
Product with the BAA option is assembled in the USA and meets the Buy America's Act government procurement requirements under FAR, DFARS and DCF regulations. Please refer to www.acuitybrands.com/usa-buy-america for additional information.

##### WARRANTY

Standard limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/usa-buy-america/warranty-terms-and-conditions

**Notes:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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3550 HARTCOCK BLVD  
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REVISION/DATE  
FILE NAME: 4190-HANCOCK-EXPY-PN-12-01-23.dwg

DRAWN BY: B&H  
CHECKED BY: B.P.

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COLORADO SPRINGS, COLORADO 80911

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