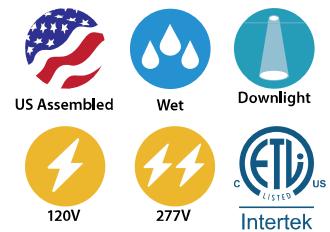
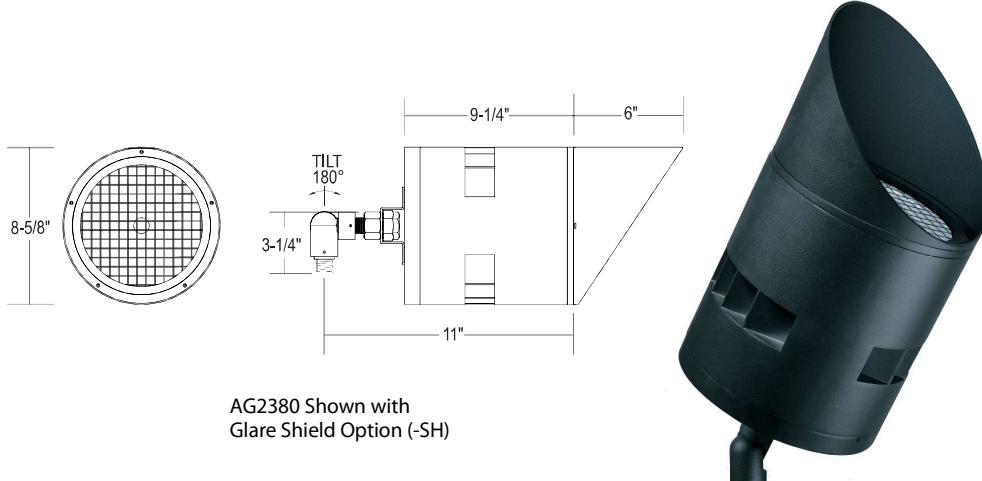


# AG2380 : AG2·SERIES

## 8" ROUND SPOT/FLOOD LIGHT

7500LM - 16,000LM (70W - 160W)



- Expansive lumen range of 7,500lm (70W) to 16,000lm (160W)
- Multiple Dimming Options with custom capabilities
- Matching wall and ceiling mount profiles
- 120V/277V Input options
- Multiple Beam Spreads and Color Temperature
- Weighs 12 lb
- 90 CRI Standard

ORDERING : AG2380W-L075-B40UE-D10-T27-PL-SH / AG2-STM06-W

## AG2380

Fixture	Finish	Lumen	Beam Spread	Dimming	LED	Mounting	Options	/	Accessories	Color Finish
<b>Finish</b>										
White	<b>AG2380W</b>			0-10V Dimming	<b>UE-D10</b>		LED		CEILING AND WALL Installation	
Black	<b>AG2380B</b>			120V/277V			2700K (90 CRI) -T27		6" Stem /AG2-STM06	
<b>Lumen</b>										
7500lm (70W)	<b>-L075</b>			1%, 0-10V Dimming	<b>UE-D10P1<sup>6</sup></b>		3000K (90 CRI) -T30		12" Stem /AG2-STM12	
9000lm (80W)	<b>-L090</b>			120V/277V			3500K (90 CRI) -T35			
10000lm (90W)	<b>-L100</b>			UniDim™	<b>UE-DUN<sup>1</sup></b>		4000K (90 CRI) -T40			
12000lm (110W)	<b>-L120</b>			120V, 277V, 0-10V, ELV and Incandescent Controls			5000K (80 CRI) -T50 <sup>5</sup>			
16000lm (160W)	<b>-L160</b>			120V, ELV and Incandescent Dimming	<b>-DIN<sup>1</sup></b>		-TTW: Tunable White -TTW <sup>3</sup>			
<b>Beam Spread</b>										
Flood (40°)	<b>-B40</b>			1% DMX Dimming	<b>UE-DMX<sup>4</sup></b>		Mounting		CEILING Installation	
Wide Flood (60°)	<b>-B60</b>			120V/277V			Flat Plate, Surface Mount -PL		24" Stem /AG2-STM24	
<b>Options</b>										
None							Junction Box -JB		36" Stem /AG2-STM36	
Shield									48" Stem /AG2-STM48	
Frosted Lens										
<b>Accessories</b>										
<b>Color Finish</b>										
White										
Black										
Bronze										

<sup>1</sup> (UE-DUN) and (-DIN) not available with (-L090) 9000lm (80W) or (-L160) 16000lm (160W).<sup>2</sup> Stem mounts can be adjusted in the field. See instructions.<sup>3</sup> (-TTW) Tunable White via two 0-10V dimming controls. 10-14 week lead time.<sup>4</sup> UE-DMX dimming via 0-10V to DMX converter.<sup>5</sup> 5000K Color Temperature only available in 80 CRI.<sup>6</sup> (UE-D10P1) not available with (-L120) 12000lm (110W) or (-L160) 16000lm (160W).

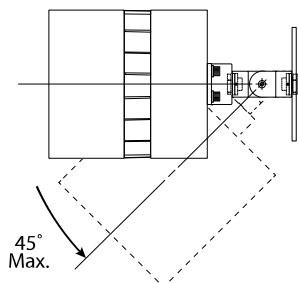
## SPECIFICATION

### Mounting Options

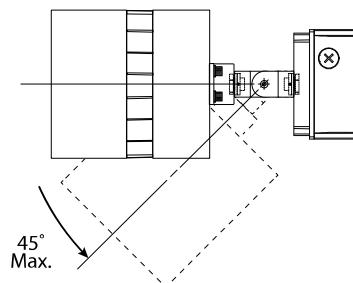
PLATE	JUNCTION BOX
-------	--------------

- Ø 4.75" Flat Mounting Plate (8 Ga, 0.125" thk Aluminum)
- For install directly to 4" Octagonal Junction Box
- Plate Install for Line Voltage Input
- Consult Factory for Custom Stem and Cord Lengths
- RoHS compliant waterproof Junction Box
- 9.22"x4.97"x3.28" (3.8 lbs)
- x3 1/2" Knockouts for Conduit Feeds
- Junction Box Install for Line Voltage Input

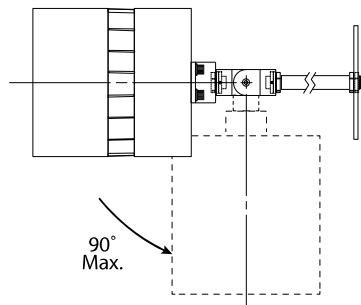
**PLATE MOUNT**



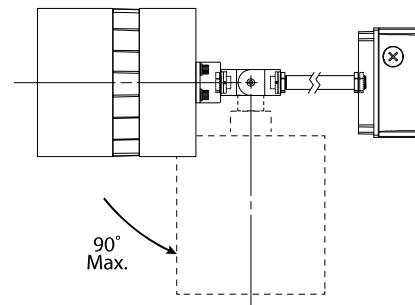
**JUNCTION BOX**



**PLATE MOUNT  
WITH STEM**

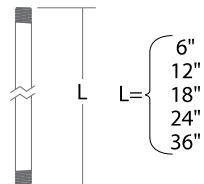


**JUNCTION BOX  
WITH STEM**



### Accessories

**AG2-STMxx**  
(1/2" IPS Externally  
Threaded Stems;  
14 Threads per pitch,  
16 Gauge)



### SPECIFICATION (Continued)

#### BackPack Face Mount (/AG2-EMB)

Illuminate need for long runs back to remote emergency battery location. Installs directly on building surface. Ideal for locations wanting same mounting aesthetics for Emergency and Non-Emergency fixtures without the use of remote Emergency power. Can be fed from recessed wall mounted junction box from the back of fixture.

- Wet location rated.
- 120V-347V operation.
- Self diagnostic.
- Integral surge protector for emergency driver only.
- Includes (2) 1/2" NPT knock-outs.
- Optional /EMB-BLANK can be used to maintain a common aesthetic when /AG2-EMB are used.

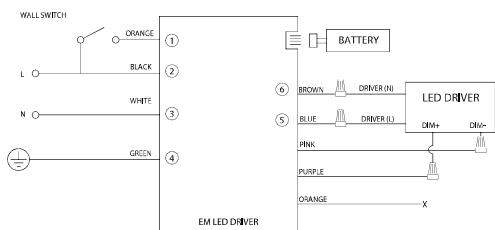


Input Voltage:	120-347 Vac (50/60 Hz)
Input Power:	7 Watts
Output Voltage:	170 V DC
Input Current:	100mA
Output Power:	18W
Surge Protection:	Line-Neutral 3000V
EM Operation:	90 minutes
Charge Time:	24 hour recharge
Ambient Temperature:	0°C to + 50°C (30°F to 122°F)
Weight:	3.7 lb
Rating:	cUL

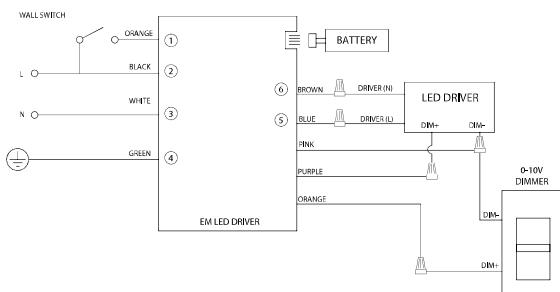
MODE	TEST SWITCH	INDICATOR STATUS	COMMENT
AC MODE 1	NOT PRESSED	ON (no flash)	EM DRIVER is CHARGING
AC MODE 2	PRESSED ONCE	2s ON THEN 2s OFF (slow flashing)	EM DRIVER is running 30s DIAGNOSTICS test
AC MODE 3	PRESSED TWICE [2s] in sequence	2s ON THEN 2s OFF (slow flashing)	EM DRIVER is running 90min DIAGNOSTICS test
EM MODE 1	NOT PRESSED	2s ON THEN 2s OFF (slow flashing)	EM DRIVER IS OUTPUTING EM CONSTANT POWER LOAD
EM MODE 2	PRESSED ONCE		EM DRIVER IS OFF

When indicator flashes (0.2s) ON and then 0.2s (OFF) quickly or turns off, unit is defective. Contact manufacturer.

#### 70W, 80W, 90W, 110W, 160W



#### 70W, 80W, 90W, 110W, 160W (Dimmer)



NOTE: WHEN LED FIXTURE POWER IS MORE THAN 18W LED FIXTURE MUST BE EQUIPPED WITH 0-10V DIMMABLE DRIVER

**SPECIFICATION (Continued)****Application**

The AG series above-grade floodlight is suitable for surface ceiling, surface wall, or pendant stem mounts in both interior and outdoor settings. The die-cast joint allows for 180° tilt and 360° swivel adjustability to create several configurations.

**Electrical**

LED Driver: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted.

Power Factor > 0.90. See Dimming Section for voltage and wiring.

Minimum Operating Temperature: Standard: -10°C/14°F

**Housing**

Spun steel with die-cast aluminum heat sink. 20 ga. Wire Guard included.

**Certifications and Listings:**

ETL / cETL Listed to UL1598 and UL8750 standards.

Suitable wet locations. (IP65)

Assembled in USA.

IK08 rated for impact resistance.

**Caution:**

LITON recommends use of surge protectors on the power entering light fixture.

**Warranty**

Covered by a 5-year Warranty to be free of defects in materials and craftsmanship.

Fixture should not be installed in applications with ambient temperature above 50°C/122°F.

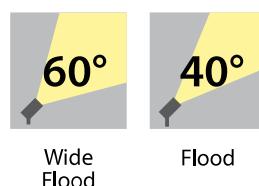
Doing so will result in reduced lamp life and voided warranty.

**Optics**

Multifaceted aluminum reflector produces low glare illumination with multiple light control options.

**Beam Spread:**

Available in B40 - 40° Flood and B60 - 60° Wide Flood.



**SPECIFICATION (Continued)****LED**

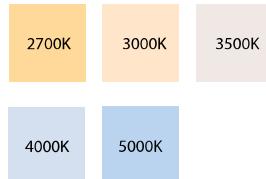
LED array meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

**Lumen Maintenance:** Lumen Maintenance is a minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

**Lumen Options (Nominal):**

- 7500lm (70W) (-L075)
- 9000lm (80W) (-L090)
- 10000lm (90W) (-L100)
- 12000lm (110W) (-L120)
- 16000lm (160W) (-L160)

**Color Temperature:** Available in standard 2700K, 3000K, 3500K, 4000K, and 5000K 90 CRI. Also available in optional 80 CRI. Consult factory.



COLOR TEMP:	2700K	3000K	3500K	4000K	5000K
-------------	-------	-------	-------	-------	-------

CRI:	80,90	80,90	80,90	80,90	80
------	-------	-------	-------	-------	----

### SPECIFICATION (Continued)

#### Dimming Options

##### ELV and TRIAC Driver 120V (-DIN):

Compatible with electronic low voltage, and 2-Wire incandescent dimmers. Also known as leading edge, Reverse Phase, Forward Phase dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations.

##### 0-10V Driver 120V/277V (UE-D10):

Compatible with most existing 0-10V systems. Also known as fluorescent or 5-Wire dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations. Compatible with daylight harvesting controls.

##### UniDim™ Driver 120V/277V (UE-DUN):

All in one ELV and TRIAC phase dimming (120V only), and 0-10V dimming (120V/277V). Works with most 3-Wire ELV, 2-Wire incandescent and 120V/277V 5-Wire 0-10V fluorescent dimmers.

Incandescent/Phase Wiring  
ELV

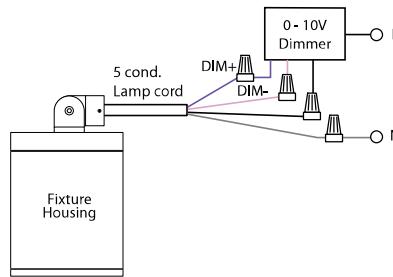


TRIAC

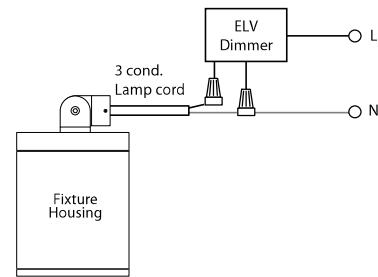


Fixture  
Housing

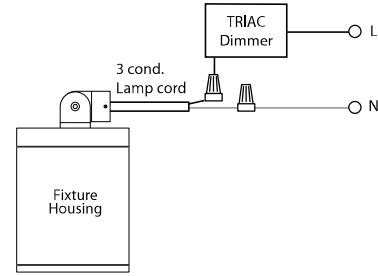
0 - 10V Wiring



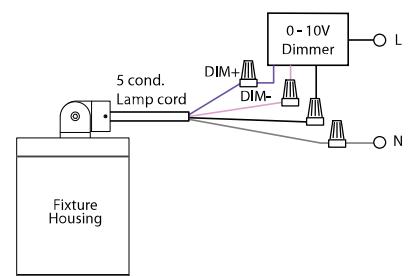
Incandescent/Phase Wiring  
ELV



TRIAC



0 - 10V Wiring

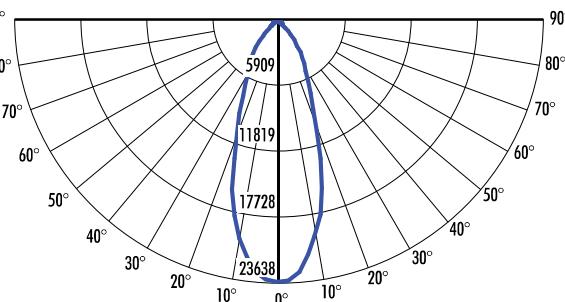


### PHOTOMETRY

#### AG2380W-L160-B40UE-D10-T40-C90 (16,000lm, 160W, Flood, 4000K)

System Power:	156W	MULTIPLIERS	
Test Date:	03/2024	LUMENS	
Beam Angle 50%:	37.6°	7500lm	0.48
Field Angle 10%:	84.6°	9000lm	0.58
Color Temperature:	3970K	10000lm	0.66
CRI:	91.6	12000lm	0.77
Lumens Delivered:	15331	<b>16000lm</b>	<b>1.00</b>
CCT			
CBCP:	23637.6	2700K	0.95
Power Factor:	1.00	3000K	0.98
Input Voltage:	120V	3500K	0.99
		<b>4000K</b>	<b>1.00</b>

#### CANDELA TABULATION



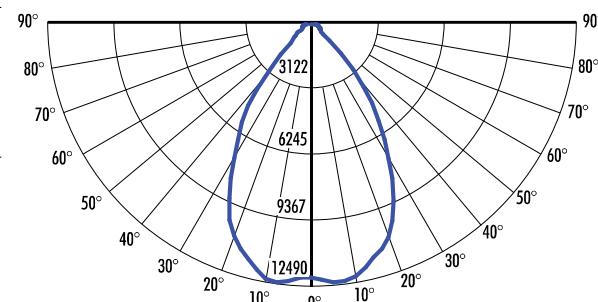
#### FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
50°	73.5'	2
108.0'	10.9'	92
16.0'	10.2'	105
15.0'	9.5'	121
12.0'	8.2'	164
10.0'	6.8'	236
8.0'	5.5'	369
6.0'	4.1'	657
5.0'	3.4'	946
4.0'	2.7'	1477

#### AG2380W-L160-B60UE-D10-T40-C90 (16,000lm, 160W, Wide Flood, 4000K)

System Power:	156W	MULTIPLIERS	
Test Date:	12/2023	LUMENS	
Beam Angle 50%:	66.6°	7500lm	0.49
Field Angle 10%:	95.8°	9000lm	0.59
Color Temperature:	3966K	10000lm	0.67
CRI:	91.8	12000lm	0.79
Lumens Delivered:	15536	<b>16000lm</b>	<b>1.00</b>
CCT			
CBCP:	12479.5	2700K	0.95
Power Factor:	1.00	3000K	0.98
Input Voltage:	120V	3500K	0.99
		<b>4000K</b>	<b>1.00</b>

#### CANDELA TABULATION



#### FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
50°	101.2'	2
77.0'	21.0'	47
16.0'	19.7'	54
15.0'	18.4'	62
12.0'	15.8'	84
10.0'	13.1'	121
8.0'	10.5'	189
6.0'	7.9'	337
5.0'	6.6'	485
4.0'	5.3'	758