

**SENSITRON
SEMICONDUCTOR**

SLM Series

DuraBrite 

**TECHNICAL DATA
DATA SHEET 5426, REV. E**

HIGH OUTPUT, HIGH EFFICIENCY LED LUMINAIRE



FEATURES

- Cool White Color (5,400K nom)**
- High Output (up to 50,000 lm)**
- High Efficiency (125 lm/W)**
- High Lumens-to-Weight Ratio (up to 2250 lm/lb.)**
- Designed For Outdoor Use**
- DC Input Models: 12VDC / 24VDC / 48VDC**
- AC Input Models: 90VAC – 305VAC**
- Low Power Consumption**
- Daylight Shutdown (Ambient Light Sensor) option**
- Mounting Bracket option**

ABSOLUTE MAXIMUM RATINGS

RATING	MIN.	MAX.	UNITS
INPUT VOLTAGE (DC MODELS)	10	55	VDC
INPUT VOLTAGE (AC MODELS)	90	305	VAC
INPUT FREQUENCY (AC MODELS)	47	63	Hz
OPERATING TEMPRATURE	-40	55	°C



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**ELECTRICAL CHARACTERISTICS (ALL RATINGS ARE AT 25 C UNLESS OTHERWISE SPECIFIED)
DC MODELS**

CHARACTERISTIC	MIN.	TYP.	MAX.	UNITS
POWER CONSUMPTION (24VDC / 48VDC)		270		W
POWER CONSUMPTION (12VDC)		180		W
LUMINOUS FLUX (CALCULATED, 24VDC / 48VDC)		35,000		lm
LUMINOUS FLUX (CALCULATED, 12VDC)		24,000		lm
INPUT CURRENT DRAW – 48VDC		5.6		A
INPUT CURRENT DRAW – 24VDC		11.2		A
INPUT CURRENT DRAW – 12VDC		15		A

AC MODELS

CHARACTERISTIC	MIN.	TYP.	MAX.	UNITS
POWER CONSUMPTION (35,000 lm)		300		W
POWER CONSUMPTION (50,000 lm)		400		W
LUMINOUS FLUX (CALCULATED, 35,000 lm)		35,000		lm
LUMINOUS FLUX (CALCULATED, 50,000 lm)		50,000		lm
INPUT CURRENT DRAW – 120V AC (35,000 lm)		2.5		A
INPUT CURRENT DRAW – 240V AC (35,000 lm)		1.3		A
INPUT CURRENT DRAW – 120V AC (50,000 lm)		3.3		A
INPUT CURRENT DRAW – 240V AC (50,000 lm)		1.7		A
DC OUTPUT TO LUMINAIRE (35,000 lm)		24		VDC
DC OUTPUT TO LUMINAIRE (50,000 lm)		200		VDC

LED COLOR

CHARACTERISTIC	MIN.	TYP.	MAX.	UNITS
COLOR	—	—	5700	K

Notes: 1. Other colors available – consult factory.

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PART ORDERING INFORMATION:

SLM LO CC B TI SX

SLM (SENSITRON LUMINAIRE MODEL)

LO Lumens Output in lumens x 1000

24 = 24,000 (180W, 12VDC)

35 = 35,000 (300W for AC, 270W for 24VDC / 48VDC)

50 = 50,000 (400W, AC)

CC Color in 100K (standard offering is 57 - Cool White)

57 = 5,700K max

Others colors available – consult factory

B Beam Angle

0 = 20°

1 = 42°

2 = 50°

3 = 69°

4 = 76°

TI TYPE OF INPUT (AC or DC)

D1 – 24V DC

D2 – 48V DC

D3 – 12V DC

A1 – 320W AC power supply is included

A3 – 400W AC power supply is included

SX SPECIAL ORDERS

S0 – No Ambient Light Sensor

S1 – Ambient Light Sensor

SW – White Fixture

EXAMPLES:

SLM35572D1S0 => 35K lm (270W DC input), 5700K, 50 , 24VDC, no ambient light sensor

SLM35571A1SW => 35K lm (320W AC input), 5700K, 42 , 320W power supply, White Fixture

SLM24573D3S0 => 24K lm (180W DC input), 5700K, 69 , 12V DC, no ambient light sensor

SLM50570A3S1 => 50K lm (400W AC input), 5700K, 20 , Custom Power Supply box, with ambient light sensor

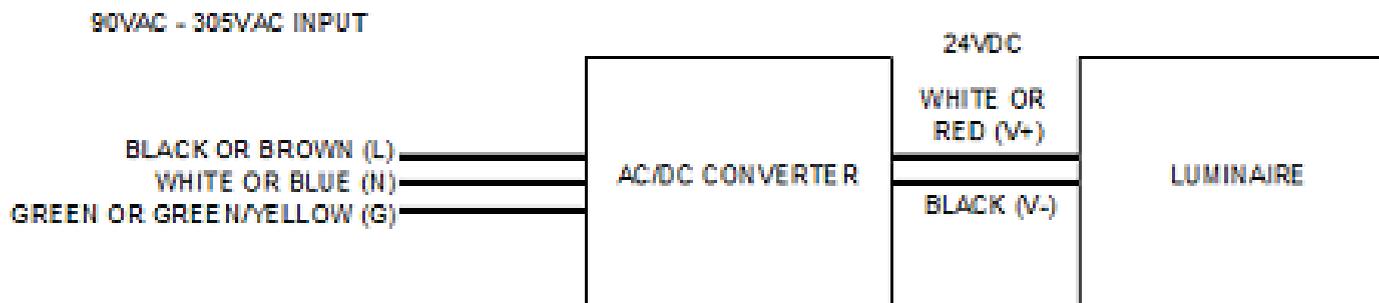
Mounting Bracket (option):

Please refer to our BLM series brackets for compatible mounting options.

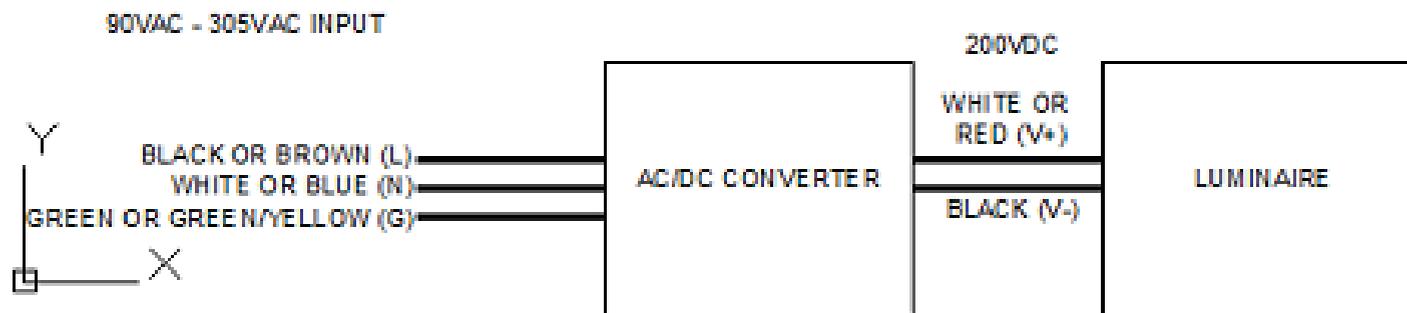


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AC MODEL WIRING (24,000 OR 35,000 LUMENS):

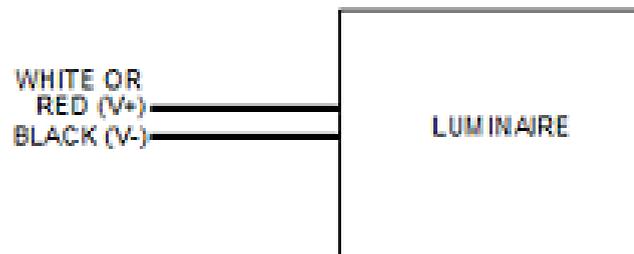


AC MODEL WIRING (50,000 LUMENS):



DC MODEL WIRING:

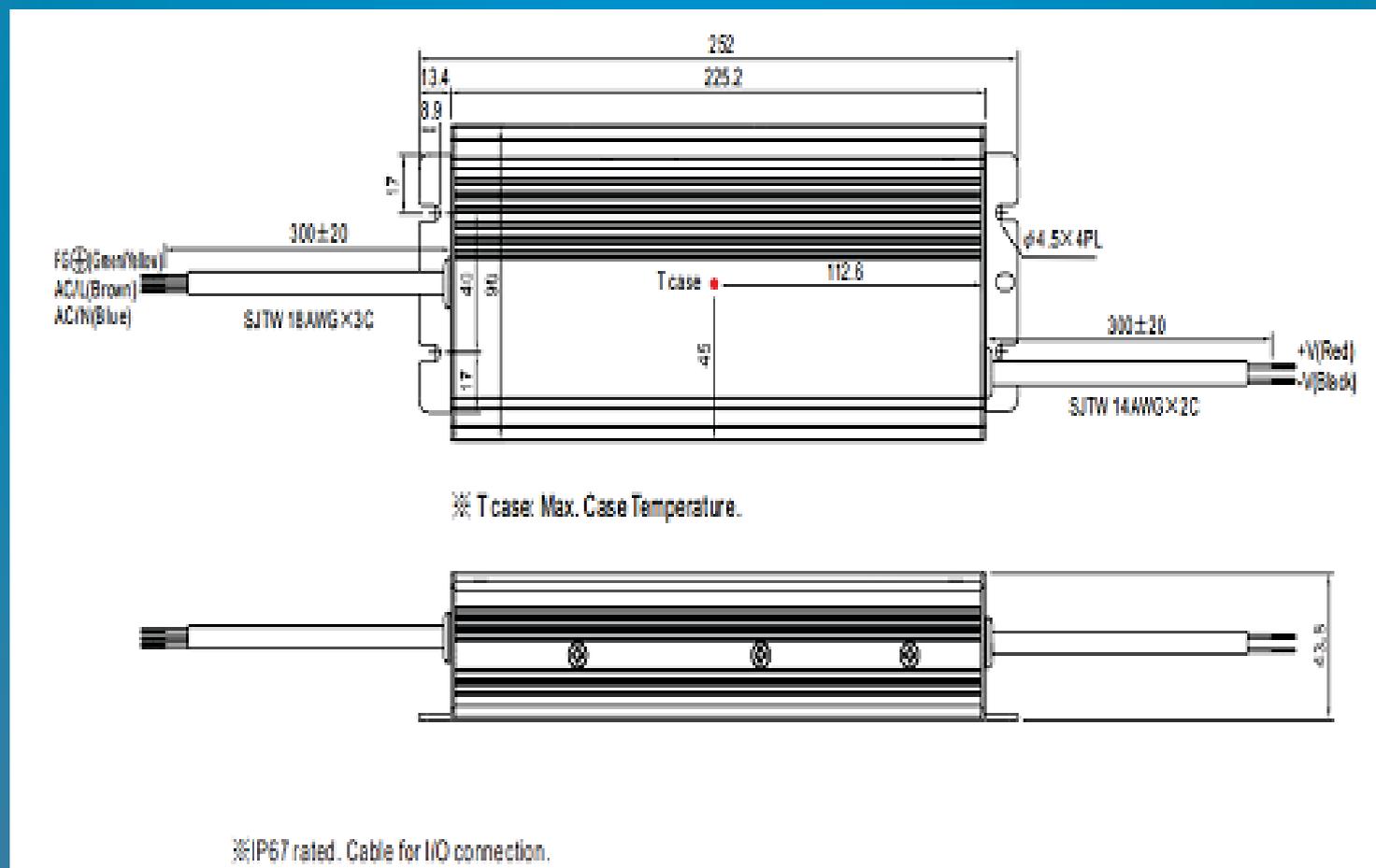
12VDC/ 24VDC/ 48VDC INPUT



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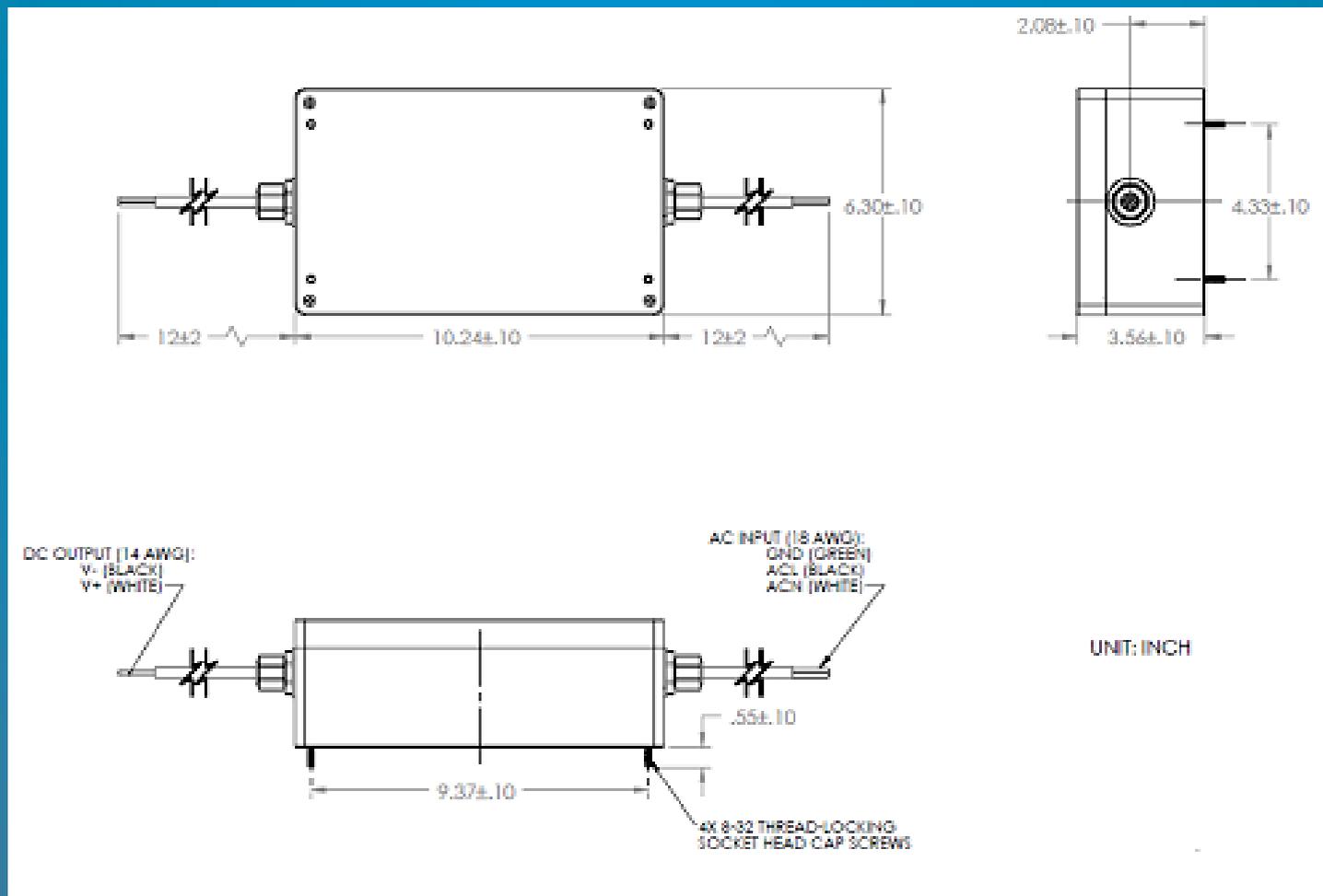
AC POWER SUPPLIES MECHANICAL DIMENSIONS:

HLG-320H-24 24VDC Power Supply



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200VDC Power Supply



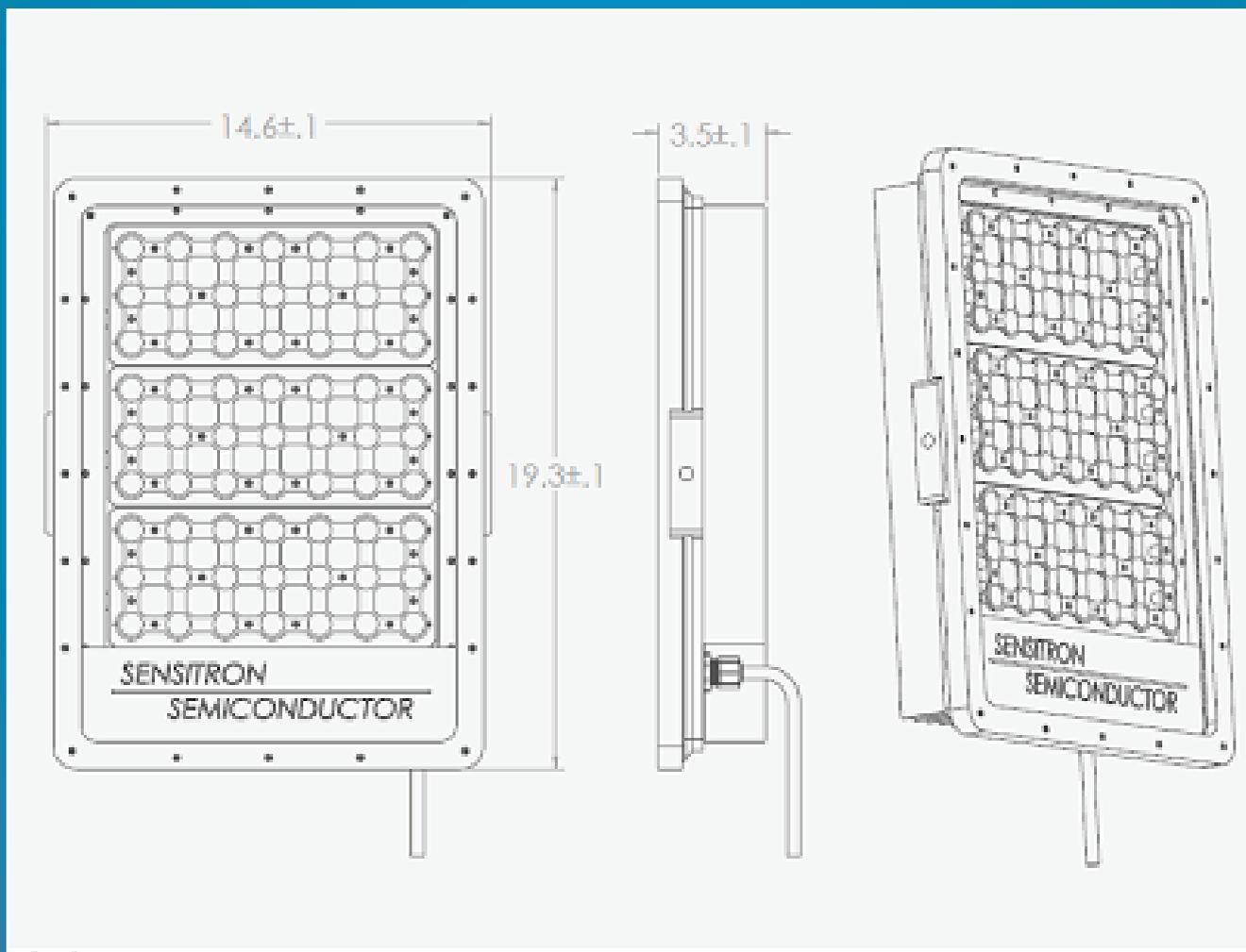
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LUMINAIRE MECHANICAL DIMENSIONS & WEIGHT:



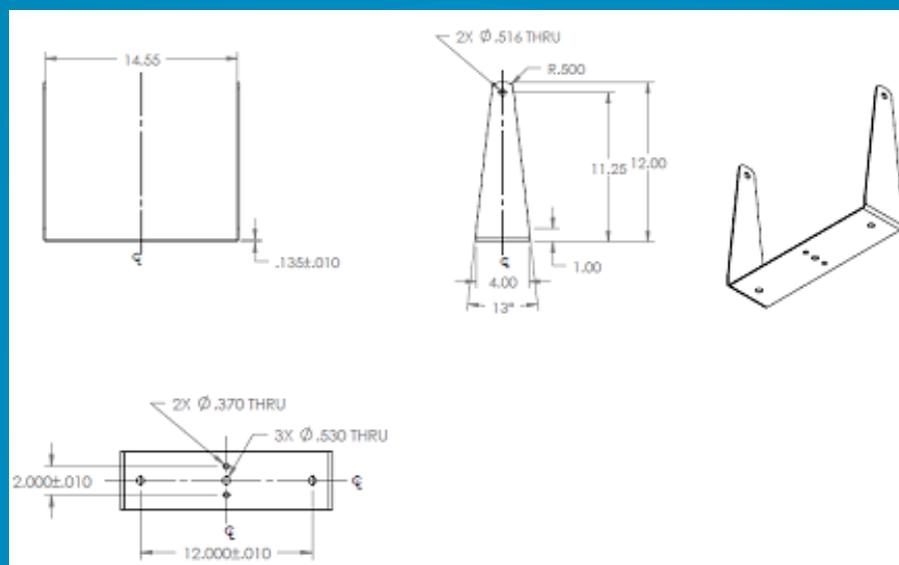
Units in inches

Weight: 22 pounds (without mounting bracket)

**Durabrite Lighting Solutions
www.durabritelights.com
201-432-5686**

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STANDARD MOUNTING BRACKET: BLM001



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