

# Vigilant® LED Area Light

## Technical Specifications

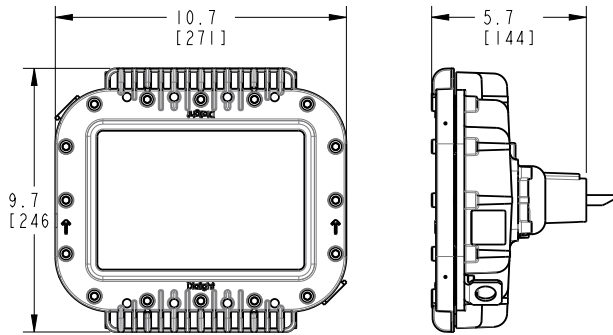


### Certifications & Ratings\*

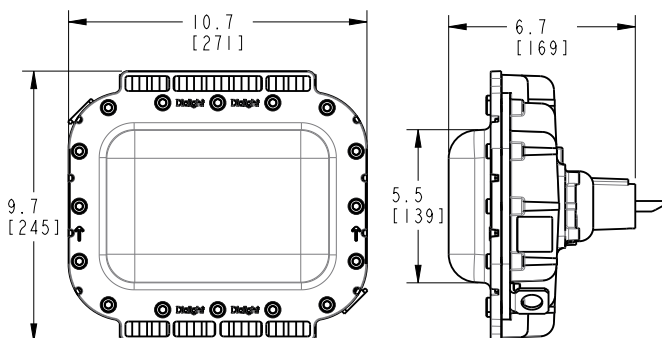
- 10 year warranty
- UL 1598/A
- CSA 22.2 No. 250
- L70 rated for >300,000 hours
- NEMA 4X
- IP66/67/69

\*ETL listed

### Tempered Glass Lens



### Polycarbonate Lens



Dimensions in inches [mm]

### Mechanical Information:

<b>Fixture weight:</b>	10 lb (4.5 kg) - Polycarbonate lens 12 lb (5.4 kg) - Tempered glass lens
<b>Wall mount models:</b>	15 lb (6.8 kg) - Polycarbonate lens 18 lb (8.2 kg) - Tempered glass lens
<b>45° wall mount models:</b>	14 lb (6.4 kg) - Polycarbonate lens 17 lb (7.7 kg) - Tempered glass lens
<b>45° stanchion mount:</b>	15 lb (6.8 kg) - Polycarbonate lens 18 lb (8.2 kg) - Tempered glass lens
<b>1.25" horizontal slip-fit:</b>	15 lb (6.8 kg) - Polycarbonate lens 18 lb (8.2 kg) - Tempered glass lens

**Shipping weight:** Add 2 lb (0.91 kg) to weights above

**Impact rating:** IK10 - Polycarbonate lens  
IK07 - Tempered glass lens

**Vibration resistance:** Tested per IEC 60068-2-6

### Electrical Specifications:

**Operating voltage:** 100-277 VAC 50/60Hz, 120-250 VDC

**Operating temperature:** -40°F to +149°F (-40°C to +65°C)

**EMC:** FCC Title 47, Subpart B, Section 15, Class A device  
CISPR-15  
RF Immunity 20V/m 80MHz-1GHz.

**Transient protection:** 6kV, 2 Ohm line-line and line-ground

**Harmonics:** IEC 61000-3-2, Class C

**THD:** < 20%

**Power factor:** >0.9

### Construction:

**Housing:** Copper-free aluminum

**Finish:** Superior dual coat finish  
- Sealed polyester topcoat  
- Chemical-resistant epoxy primer

**Corrosion resistance:** 3,000-hour salt spray per ASTM B117

**Lens:** Hard-coated polycarbonate  
Tempered glass

### Photometric Information:

**CRI:** 80

**CCT:** 5000K (cool white)  
4000K (neutral white)  
2700K (warm white)

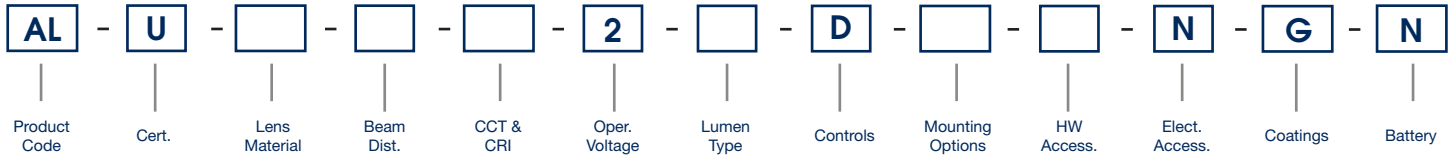
**Optics:** 360°  
180° forward throw for 45° mounting  
Wide for 0° mounting

All values typical unless otherwise stated (tolerance +/- 10%)

When ordering please refer our website [www.dialight.com](http://www.dialight.com) to view the current versions of all relevant product documentation, including the most up to date product data sheets. For the avoidance of doubt, in the event of any discrepancy between the contents of this document and information provided on our website, the information provided on our website shall prevail.

# Vigilant® LED Area Light

## Ordering Information



**Product Code**

AL Area Light

**Certification**

U UL 1598/A, CSA 22.2 No. 250

**Lens Material**

- 5 Polycarbonate - Diffused
- 7 Glass - Clear

**Beam Distribution**

- A 180°
- B 360°
- W<sup>1</sup> Wide

**CCT & CRI**

- C Cool White 5000K - 80 CRI
- N Neutral White 4000K - 80 CRI
- W Warm White 2700K - 80 CRI

**Operating Voltage**

2 100-277 VAC, 120-250 VDC

**Lumen Type**

- 3 3,001 - 4,000 Lumens
- 4 4,001 - 5,000 Lumens
- 6 5,001 - 6,000 Lumens
- 7 6,001 - 7,000 Lumens
- 9 8,001 - 9,000 Lumens

<sup>1</sup>For lumen output see page 30

**Controls**

D Dimming (0-10 VDC)

**Mounting Options<sup>2</sup>**

- Retro-fit Adapter<sup>1</sup>
- Universal Mounting Adapter (UMA)<sup>4</sup>
- A Appleton Mercmaster III
- B Swivel Bracket, Locking 0° - 90° 316 Stainless Steel
- C Crouse-Hinds - Champ
- G GE Filtr-Gard
- H Thomas & Betts Hazlux
- K Killark Certilite & Certilite V
- M Appleton Mercmaster II
- N 3/4" NPT
- S 45° Stanchion Mount
- U<sup>3</sup> UMA - Mounting Hub
- V 0° Wall Mount
- W 45° Wall Mount
- Y 34mm Conveyor Mount

**Hardware Accessories**

- N For Mounting Options A, C, G, H, K, M, S, U, V, W, Y (individual wire leads are terminated in adapter housing)
- W 10 ft (3 meter) Power Cable for Mounting Options - B, N

**Electrical Accessories**

N No Option

**Coatings**

G Gray (RAL 7040)

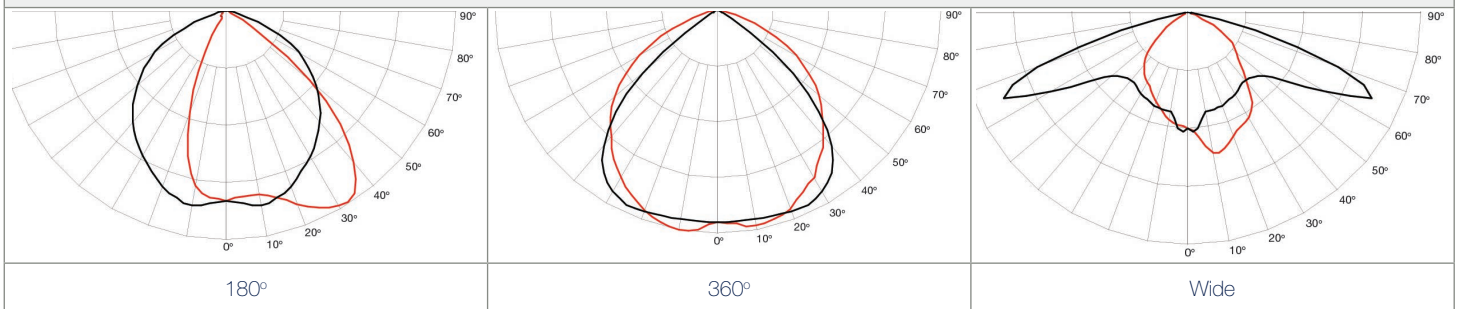
**Battery**

N No Option

**Notes**

- 1) When ordering Beam Distribution W - Wide: Lumen Type = 7.
- 2) When ordering Mounting Options "UMA" or "Retro-fit": Hardware Accessories = N.
- 3) When ordering Mounting Option U - UMA Mounting Hub HZXW01, HZXW45, HZXS45 or HZXC34 is required. See page 37 for details.
- 4) All names and brands are property of their respective holders.
- 5) Additional features and selections are available, please see the UL Area Light Technical Spec Sheet or your Dialight representative for more information

**Beam Distribution**



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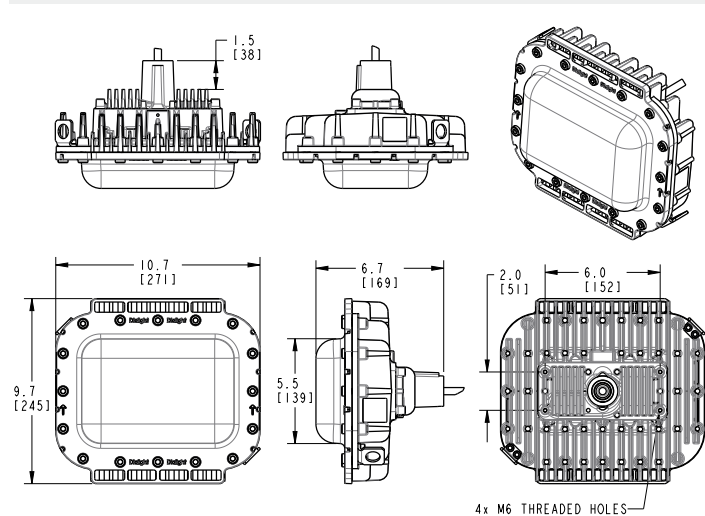
## Lumen Tables & Dimensional Drawings

100-277 VAC, 120-250 VDC										
Lumen Letter	Output Family	Beam Distribution Character	Beam Distribution	Lens Character	Lens Material	Wattage	Lumens 5000 CCT	Lumens 4000 CCT	Lumens 2700 CCT	
9	9,000	B	360°	7	1/4" AR Glass	66	9000	8800	8200	
				5	Polycarbonate		8300	8100	7600	
		A	180°	7	1/4" AR Glass		8800	8600	8000	
				5	Polycarbonate		8100	7900	7400	
7	7,300	B	360°	7	1/4" AR Glass	52	7300	7100	6700	
				5	Polycarbonate		6700	6500	6100	
		A	180°	7	1/4" AR Glass		7100	6900	6500	
				5	Polycarbonate		6600	6400	6000	
		W	Wide	7	1/4" AR Glass		64	7300	7100	6700
				5	Polycarbonate			6700	6500	6100
6	5,700	B	360°	7	1/4" AR Glass	40	5700	5500	5200	
				5	Polycarbonate		5300	5100	4800	
		A	180°	7	1/4" AR Glass		5500	5300	5000	
				5	Polycarbonate		5100	4900	4600	
4	4,200	B	360°	7	1/4" AR Glass	30	4200	4100	3800	
				5	Polycarbonate		3900	3800	3900	
		A	180°	7	1/4" AR Glass		4100	4000	4100	
				5	Polycarbonate		3800	3700	3400	
3	3,100	B	360°	7	1/4" AR Glass	24	3100	3000	2800	
				5	Polycarbonate		2800	2700	2500	
		A	180°	7	1/4" AR Glass		3000	2900	2700	
				5	Polycarbonate		2800	2700	2500	

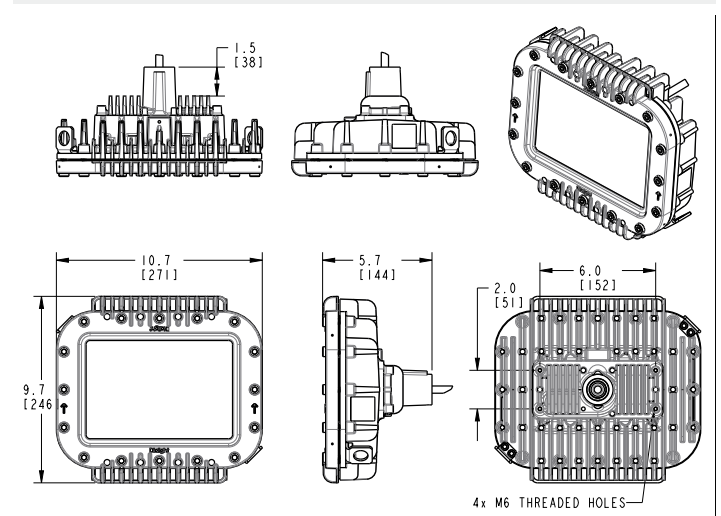
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For lighting layouts, please find IES files at [www.dialight.com](http://www.dialight.com)

### Polycarbonate Lens - Option 5



### Glass Lens - Option 7



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# Vigilant® LED Area Light

## Accessories



ALxxxx2xDUNxGN

Fixtures are available with a factory-installed universal mounting adapter (UMA), see product N-chart for details. Choose from one of the four available mounting options:

Wall Mount  
HZXW0145° Wall Mount  
HZXW4545° Stanchion Mount  
HZXS451.25" Slip-fit Pole Mount  
HZXC34

Certified to: UL 50E • CSA C22.2 No. 94.2-07

### HZXSTAN100S

- 1.00" (1.315" Pole OD) slip-fit stanchion mount

### HZXSTAN125S

- 1.25" (1.660" Pole OD) slip-fit stanchion mount

### HZXSTAN150S

- 1.50" (1.900" Pole OD) slip-fit stanchion mount

### HZXSTAN200S

- 2.00" (2.375" Pole OD) slip-fit stanchion mount



### HZXSTAN100T

- 1.00" (1.315" Pole OD) NPT-threaded stanchion mount

### HZXSTAN125T

- 1.25" (1.660" Pole OD) NPT-threaded stanchion mount

### HZXSTAN150T

- 1.50" (1.900" Pole OD) NPT-threaded stanchion mount

### HZXSTAN200T

- 2.00" (2.375" Pole OD) NPT-threaded stanchion mount



### HZXW3

- 316 stainless steel bracket

### HZXW7

- Aluminum bracket



### HZXSAFECBLS

- Safety cable kit



### HZXW4

- 316 stainless steel bracket with 1.5" pipe clamp

### HZXW8

- Aluminum bracket with 1.5" pipe clamp

Please reference spec sheet at [www.dialight.com](http://www.dialight.com) for all dimensional drawings of mounting options.

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# Vigilant® LED Area Light

## Retro-fit Options

Retro-fit adapters can be factory installed. See product N-chart for details.

- Eaton's Crouse-Hinds – Champ®
- GE Lighting Solutions – Filtr-Gard™
- Holophane Petrolux® II, III
- Thomas & Betts Hazlux®
- Appleton® Mercmaster III
- Appleton® Mercmaster II
- Killark® Certilite® & Certilite® V

\*Petrolux adapter available as a standalone accessory only



Eaton's Crouse-Hinds – Champ® - HZXTHCH				
Pendant	Ceiling	Wall	Stanchion	Quad Mount
APM2	CM2	TWM2	JM5	QM25
APM3	CM3	TWM3	PM5	
HPM2				



GE Lighting Solutions – Filtr-Gard™ - HZXTHGE				
Pendant	Ceiling	Wall	Stanchion	Quad Mount
3P	3F	3C	3W	5S
4P	4F		4W	6S
				5J, 6J



Holophane® Petrolux II, III - HZXTHP3				
Pendant	Universal	Stanchion	Ceiling	Wall
PD	UN	SA	CD	WL
GH		ST	CE	W
P		A	B, C, D	

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## Retro-fit Options



Thomas & Betts Hazlux® - HZXTHTB				
Pendant	Pendant Cone	Flexible Pendant	Ceiling	Wall
VP2	VA2	VF2	VC2	VB2
VP3	VA3	VF3	VC3	VB3
Wall	25° Angle Stanchion	25° Angle Stanchion	Straight Stanchion	Straight Stanchion
VB2-VIB	VS4	VS4-VIB	VL4	VL4-VIB
VB3-VIB	VS5	VS5-VIB	VL5	VL5-VIB



Appleton® Mercmaster III - HZXTHAP			
Pendant	Ceiling	Wall	Stanchion
KPA- 75, 100	KPC-75	KPWB-75	KPS-125
KPAF-75, 100	KPC-100	KPWB-100	KPS-150
KPCH-75, 100			KPST-125
			KPST-150



Appleton® Mercmaster II - HZXTHM2			
Pendant	Ceiling	Wall	Stanchion
LPA-75	LPC-75	LPWB-75	LPS-125
LPA-100	LPC-100	LPWB-100	LPS-150



Killark® Certilite® & Certilite® V - HZXTHKL			
Pendant	Ceiling	Wall	Stanchion
VMA2B & VMA-2	VMX2B & VMX-2	VMB2B & VMB-2	VMD4B
VMA3B & VMA-3	VMX3B & VMX-3	VMB3B & VMB-3	VMD5B
VMC2B & VMC-2	VMX6B, 7B, 8B, 9B		VMS5B
VMC3B & VMC-3			
VMF2B, 3B			

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