

## VECTOR SERIES

### Hazardous Location Lighting

linear lighting with emergency battery backup is specifically engineered for harsh and hazardous environments. Equipped with a durable, long-lasting LiFePO4 battery, it ensures a reliable 90-minute runtime for emergency applications.

## Compliance

### NEC/CEC Standard

#### UL 844 Hazardous Locations

- Class I Division 2, Groups A, B, C, D
- Class II Division 1, Groups E, F, G
- Class II Division 2, Groups F, G
- Class III
- Class I, Zone 2, Group IIC

#### CSA C22.2 No.137

#### CSA C22.2 No.141

#### CSA C22.2 No.250.0:21

#### UL 924

#### UL 1598 Wet Locations

#### UL 1598A Marine Outside Type (Salt Water)

#### UL 8750 LED Safety

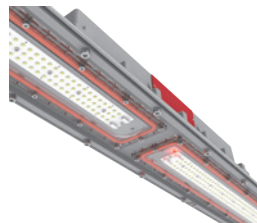
#### ABS

#### FCC

#### IP66/67 | IK10 | 5G | NEMA 4X

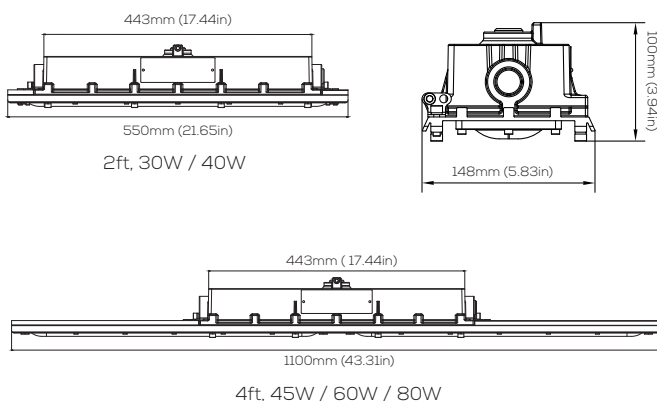
## Emergency

90-minute minimum run time in emergency mode.



## Dimensions

unit: mm(in)



## Technical Data

### Electrical

|                          |                             |
|--------------------------|-----------------------------|
| Rated Power              | 30W / 40W / 45W / 60W / 80W |
| Input Voltage            | 120-277V/AC                 |
| Input Frequency          | 50/60Hz                     |
| Power Factor             | > 0.95                      |
| Driver Efficiency        | ≥ 90%                       |
| DC output Ripple & Noise | <200mVP-P                   |

### Emergency Back-up

|                        |                                                |
|------------------------|------------------------------------------------|
| Emergency Output       | 15W , ≥2,400lm<br>9W , ≥1,400lm (cold weather) |
| Recharging time        | 24 hours                                       |
| Battery Backup Runtime | ≥90 mins                                       |

### Optical

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Lumen Output                        | 5100lm ~ 13,600lm                     |
| Luminous Efficacy (Lumens per Watt) | 170 lm/W                              |
| Beam Angle                          | 30° / 60° / 90° / 110° / T2 / T3 / T4 |
| Color Temperature                   | Amber 2700K 3000K 4000K 5000K         |
| CRI                                 | Ra>70                                 |

### Environmental

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Ambient Operating Temperature | 0°C ~ +50°C (15W) <sup>①</sup><br>-20°C ~ +50°C (9W) |
| Ambient Operating Humidity    | 10%~90% RH                                           |
| Atmospheric pressure          | 86~106KPa                                            |

### Technical

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Lens Material    | Polycarbonate                                          |
| Mounting Options | Pendant / Ceiling / Wall mount / Stanchion / U-Bracket |
| Cable Entries    | 3/4" NPT, 1-1/4" NPT, 1-1/2" NPT                       |
| Net Weight       | 2ft: 4.6kg (10.14 lbs)<br>4ft: 7.2kg (15.87 lbs)       |

<sup>①</sup> The maximum temperature ambient of GHLV-05, GHLV-10, GHLV-14 9W or 15W is 45°C

## Warranty

5-year limited system warranty

Lumen Maintenance: L70 > 150,000 hours @ 25°C

## Ordering Information and Mounting Accessories

| VECTOR                                                                                                                            | 10                                 | U | C                                                                                                                                                                                                                                                     | 2 | 110                                                                                              | NW | TPL                                                                                                                                            | PD | GR                                                                                                                                                                                                                                                                                                                                                                                                                                         | XX |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <b>Model</b><br>VECTOR                                                                                                            | <b>Voltage</b><br>U - 120-277V/AC  |   | <b>Temp. Ambient</b><br>(blank) - Not Required (0-50°C)<br>C - Cold weather (-20-50°C)                                                                                                                                                                |   | <b>Optics</b><br>30 - 30°<br>60 - 60°<br>90 - 90°<br>110 - 110°<br>T2 - T2<br>T3 - T3<br>T4 - T4 |    | <b>Color Temp</b><br>WW - 2700K (Warm white)<br>SW - 3000K (Soft white)<br>NW - 4000K (Neutral white)<br>CW - 5000K (Cool white)<br>AM - Amber |    | <b>Mount Style</b><br>PD - Pendant mount (3/4" NPT)<br>FLM - Flush mount<br>OSM - Offset ceiling / wall Swivel bracket<br>HM - Hanging mount<br>PCM48 - Pole clamp 48mm for pole Ø 1-7/8"<br>PCM60 - Pole clamp 60mm for pole Ø 2-3/8"<br>W90 - Wall mount 90°<br>W25 - Wall mount 25°<br>S90A - Stanchion-90° (1-1/4" NPT)<br>S90B - Stanchion-90° (1-1/2" NPT)<br>S25A - Stanchion-25° (1-1/4" NPT)<br>S25B - Stanchion-25° (1-1/2" NPT) |    |
| <b>Power</b><br>05 - 5,100 lm (30W)<br>07 - 6,800 lm (40W)<br>08 - 7,650 lm (45W)<br>10 - 10,200 lm (60W)<br>14 - 13,600 lm (80W) | <b>Ex. Level</b><br>2 - C1D2, C2D1 |   | <b>Accessories</b><br>EMB - Emergency battery back-up<br>SC2 - Stainless steel safety cable<br>SP10U - 10KV surge protector (100-277V) *Standard<br>SP20U - 20KV surge protector (100-277V)<br>CAB - 3' SEOOW-18/3 cord<br>CGL - Cable gland 3/4" NPT |   | <b>Lens</b><br>TPL - Clear polycarbonate<br>FPL - Frosted polycarbonate                          |    | <b>Color</b><br>GR - Gray                                                                                                                      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |

## Mounting Options



**PD**  
Pendant mount  
3/4" NPT



**FLM**  
Flush mount



**OSM**  
Offset ceiling / wall  
Swivel Bracket



**W90**  
Wall mount 90°  
3/4" NPT



**W25**  
Wall mount 25°  
3/4" NPT



**HM**  
Hanging Mount



**PCM48**  
Pole clamp 48mm  
for pole Ø 1-7/8"



**PCM60**  
Pole clamp 60mm  
for pole Ø 2-3/8"



**S90A**  
Stanchion mount 90°  
1-1/4" NPT



**S90B**  
Stanchion mount 90°  
1-1/2" NPT



**S25A**  
Stanchion mount 25°  
1-1/4" NPT



**S25B**  
Stanchion mount 25°  
1-1/2" NPT

## Accessories



**FLM**  
Flush ceiling mount kit  
1 pair



**OSM**  
Offset ceiling /  
wall swivel bracket  
1 pair



**HM**  
Hanging chain  
Stainless steel  
1 pair



**PCM48**  
Pole clamp 48mm 1 pair  
for pole Ø 1-7/8"



**SC2**  
Stainless steel  
safety cable  
Ø6 (3mm)



**CGL**  
Cable Gland  
3/4" NPT  
Suitable for C1D2



**SP10U**  
10KV Surge Protector  
(100-277V) \*Standard



**SP20U**  
20KV Surge Protector  
(100-277V)



**CAB**  
3' SEOOW-18/3 Cord  
(Factory installed)