

## Hazardous Location Lighting

**Vanguard** series lights are energy-efficient and constructed from corrosion-resistant, copper-free aluminum. Designed to withstand corrosion, water, dust, shock, and vibrations, they ensure long-lasting, safe operation in harsh and hazardous environments.

## Compliance

### NEC/CEC Standard

UL 844 Hazardous Locations

Class I Division 2, Group A, B, C, D

Class II Division 1, Group E, F, G

Class II Division 2, Group F, G

Class III

Class I, Zone 2, Group IIC

CSA C22.2 No.137

CSA C22.2 No.250.0:21

UL 1598 Wet Locations

UL 1598A Marine Outside Type (Salt Water)

UL 8750 LED Safety

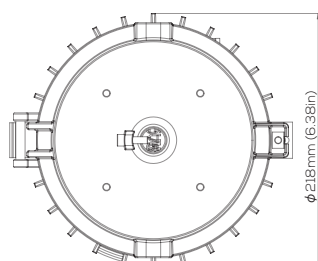
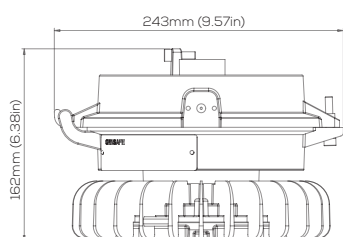
ABS

FCC

IP66/67 | IK09 | 5G | NEMA 4X

## Dimensions

unit: mm(in)



## Warranty

5-year limited system warranty

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

## Technical Data

### Electrical

|                          |                      |
|--------------------------|----------------------|
| Rated Power              | 40W / 60W            |
| Input Voltage            | 100-277, 347-480V/AC |
| Input Frequency          | 50/60Hz              |
| Power Factor             | > 0.95               |
| Driver Efficiency        | ≥ 90%                |
| DC output Ripple & Noise | <200mVP-P            |

### Optical

|                                     |                               |
|-------------------------------------|-------------------------------|
| Lumen Output                        | 6,000lm / 9,600lm             |
| Luminous Efficacy (Lumens per Watt) | 150~160 lm/W                  |
| Beam Angle                          | T1 / T3 / 110°                |
| Correlated Color Temperature (CCT)  | Amber 2700K 3000K 4000K 5000K |
| CRI                                 | Ra>70                         |

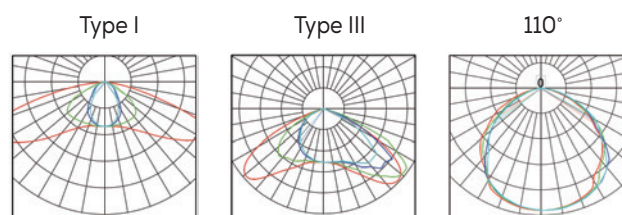
### Environmental

|                               |             |
|-------------------------------|-------------|
| Ambient Operating Temperature | -40°C~+65°C |
| Ambient Operating Humidity    | 10%~90% RH  |
| Atmospheric pressure          | 86~106KPa   |

### Technical

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Lens Material    | Glass / PC / Drop Lens                                 |
| Mounting Options | Pendant / Ceiling / Wall mount / Stanchion / U-Bracket |
| Cable Entries    | 3/4" NPT, 1" NPT, 1-1/4" NPT, 1-1/2" NPT               |
| Net Weight       | 3.2kg (7.05 lbs)                                       |

## Beam Distribution



## Ordering Information and Mounting Accessories

| VAN                                                              | 07 | U                                                    | 2 | 110 | NW                                                                                                                                                                                                        | TG | PD1                                                                                                                                                                                                                                                                                                                                                                              | GR | XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------|----|------------------------------------------------------|---|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b><br>VAN                                              |    | <b>Voltage</b><br>U -100-277V/AC<br>N -347-480V/AC * |   |     | <b>Color Temp</b><br>WW - 2700K<br>(Warm white)<br>SW - 3000K<br>(Soft white)<br>NW - 4000K<br>(Neutral white)<br>CW - 5000K<br>(Cool white)<br>AM - Amber<br>AJC - Adjustable CCT<br>(3000K/4000K/5000K) |    | <b>Mount Style</b><br>PD1 - Pendant mount<br>(3/4" NPT)<br>PD2 - Pendant mount<br>(1" NPT)<br>TB4 - Trunnion bracket<br>(3/4" NPT)<br>W90 - Wall mount 90°<br>W25 - Wall mount 25°<br>S90A - Stanchion-90°<br>(1-1/4" NPT)<br>S90B - Stanchion-90°<br>(1-1/2" NPT)<br>S25A - Stanchion-25°<br>(1-1/4" NPT)<br>S25B - Stanchion-25°<br>(1-1/2" NPT)<br>CJB - Ceiling junction box |    | <b>Accessories</b><br>WGR3 - Wire guard for flat glass<br>WGR4 - Wire guard for drop lens<br>SC2 - Safety cable<br>VRM25 - Dark Sky Bolt-on visor 25°<br>VRM90 - Dark Sky Bolt-on visor 90°<br>SP10U - 10KV surge protector<br>(100-277V) *Standard<br>SP10N - 10KV surge protector<br>(347-480V) *Standard<br>SP20U - 20KV surge protector<br>(100-277V)<br>SP20N - 20KV surge protector<br>(347-480V)<br>PBC48 - Pipe Clamp (M8*48mm)<br>for pole Ø 1-7/8" (48mm)<br>PBC60 - Pipe Clamp (M8*60mm)<br>for pole Ø 2-3/8" (60mm)<br>CAB - 3' SE00W-18/3 Cord<br>CGL - Cable Gland 3/4" NPT<br>PS - Pole Stanchion 2" (60mm) |
| <b>Power</b><br>07 - 6,000 lm<br>(40W)<br>10 - 9,600 lm<br>(60W) |    | <b>Ex. Level</b><br>2 - C1D2, C2D1                   |   |     | <b>Lens</b><br>TG - Clear glass<br>FG - Frosted glass<br>DFG - Frosted glass drop lens<br>TPL - Clear polycarbonate<br>FPL - Frosted polycarbonate                                                        |    | <b>Color</b><br>GR - Gray                                                                                                                                                                                                                                                                                                                                                        |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

\* Only available for 60W

## Mounting Options



**PD1**  
Pendant mount  
3/4" NPT



**TB4**  
Trunnion Bracket  
3/4" NPT



**W90**  
Wall mount 90°  
3/4" NPT



**W25**  
Wall mount 25°  
3/4" NPT



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



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



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

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

**CJB**  
Ceiling junction box  
3/4" NPT

## Accessories



**TB4**  
Trunnion Bracket  
3/4" NPT



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



**WGR3**  
Bolt-on wire guard  
for flat glass



**WGR4**  
Stainless steel wire  
guard For drop lens



**VRM25**  
Spinning aluminium  
dark sky visor 25°



**VRM90**  
Spinning aluminium  
dark sky visor 90°



**PBC48**  
Pipe Clamp  
(M8\*48mm)  
for pole Ø 1-7/8"



**PBC60**  
Pipe Clamp  
(M8\*60mm)  
for pole Ø 2-3/8"



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



**CAB**  
3' SE00W-18/3 Cord  
(Factory installed)



**SP10U**  
10KV (100-277V)  
**SP10N**  
10KV (347-480V)



**SP20U**  
20KV (100-277V)  
**SP20N**  
(20KV 347-480V)



**PS**  
Pole Stanchion  
2-3/8" (60mm)