



NMV2-LED30A12

Non-Metallic, Class Rated, Marine Listed Fixture



Ceiling Mount



Wall Mount



Stanchion Mount



Pendant Mount



Yoke Mount

C1

D2

ZONE 2

CII

D2

ZONE 22

IDEAL APPLICATIONS

- ✓ Marine Applications
- ✓ Mines
- ✓ Water Treatment Plants
- ✓ Agricultural Applications
- ✓ Petroleum Refineries
- ✓ Grain Elevators
- ✓ Ethanol Facilities
- ✓ Chemical Plants
- ✓ Food Processing Plants
- ✓ Textile Mills
- ✓ Power Generation Plants
- ✓ Confectionary Plants
- ✓ Bakeries
- ✓ Saw/Woodworking Mills



Designed & Assembled in Canada



Quick Ship Available

COLOUR LENSES AVAILABLE



Red



Green



Blue



Amber

DESCRIPTION

NMV2-LED is a non-metallic vaporproof fixture that is **compact in design**, **class- rated**, **marine listed** and can be used in a variety of hazardous environments.

FEATURES:

- Compact, lightweight fixture that can be installed in cramped spaces.
- Glass fiber reinforced polyamide housing with a frosted polycarbonate lens tested to UL746C for water, immersion, and UV light exposure.
- Lumen adjustable (Max 3382 Lm, Min 1348 Lm).
- Five 1/2" NPT conduit entries (1 on each side and 1 on the back).
- High ambient temperature rating of 55°C.
- Class I, Div 2 and Class II, Div 2 Hazloc Temperature rating of T4A at higher ambient temperature. Class I, Zone 2, Groups IIA, IIB and IIC, T4, Zone 22
- TYPE 4X and 5VA Flame Rated.
- 3G Vibration rated as per ANSI C136.31-2023 (Stanchion Mount).
- Fixture offers a high surge protection of 6KV.
- Multiple fixtures can be daisy chained using metallic or non-metallic conduits. 40 fixtures can be connected in one run.
- Ceiling, wall, and stanchion mount fixtures are factory assembled. Pendant and yoke mount fixtures require field assembly. To order pendant or yoke mount fixture, order the ceiling mount fixture with pendant or yoke mount kits.
- Contractor friendly design
 - Suspend the fixture using the aircraft cables for easier installation using both hands.
 - Fast and easy connection of wires using quick disconnect plugs.
 - Use alignment marks provided on the fixture for quick alignment during installation.

CERTIFICATIONS:

(FOR MORE INFORMATION ABOUT THE CERTIFICATIONS REFER TO PAGE 2-3)



Certified Marine Non Recessed Luminaire Outside Type (Salt Water)



Luminaires for Use in Hazardous Locations



| SPECIFICATIONS | | NMV2-LED30A12 |
|-------------------------------|--|--|
| Input Power | | 30.1W Max, 12W Min |
| Lumens | | 3382 lm Max, 1348 lm Min |
| Efficacy | | 112.37 lm/W |
| Voltage | | 120-277V |
| CCT | | 3000K, 4000K*, 5000K |
| CRI | | 75 |
| Dimming | | 0-10V Dimming (10%-100%) |
| Total Harmonic Distortion | | 5.10% |
| Power Factor | | 0.96 |
| Surge Protection | | 6kV |
| Beam Distribution | | Type VS |
| BUG Rating | | B1-U3-G1 |
| LED Life (L80) | | 100,000 hours |
| Housing Colour | | Gray |
| Housing Details | | Polyamide PA6 - B3U50G6(t)(f1) Flame Class Rating - V-0, 5VA in accordance with UL 94 Ultraviolet Light Resistant, Suitable for outdoor use in accordance with UL 746C |
| Lens Details | | Polycarbonate Frosted - White*, Red, Green, Amber, Blue Ultraviolet Light Resistant, Suitable for outdoor use in accordance with UL 746C Flame Class Rating V-0, 5VA pin accordance with UL 94 |
| Mounting | | Ceiling, Wall, Stanchion(25°), Pendant, Yoke |
| Conduit Entries | | Ceiling, Wall, Pendant, Yoke - Five 1/2" NPT, Stanchion - 1 1/4" NPS |
| Ambient Operating Temperature | | -40°C to 55°C (-40°F to 131°F) |
| Weight | | 7.95 lbs (3.6kg) |
| Factory Installed Options | | Frosted Coloured Lens - Red, Green, Amber, Blue |
| Options Sold Separately | | Pendant Mount Kit, Yoke Mount Kit |
| Certifications | | cULus listed in accordance with UL 1598 & CSA C22.2 No. 250.0-08 Luminaires, UL 844 & CSA C22.2 No. 137-18 Luminaires for Use in Hazardous Class I, Div 2, Groups A, B, C, D (T4A), Class I, Zone 2, Groups IIA, IIB and IIC, (T4) Class II, Div 2, Groups F, G (T4A), Zone 22 UL 1598A Installation on Marine Vessels, NEMA 4X certified as per UL 50E, 3G Vibration rated as per ANSI C136.31-2023 (Stanchion Mount), Wet Locations, IP66 Rated ABS (American Bureau of Shipping) certified, DLC Standard (Indoor & Outdoor Application) |

*Standard Configuration

UNDERSTANDING THE CERTIFICATIONS

| CERTIFICATION | DESCRIPTION |
|---|---|
| TYPE 4X Rated (Evaluated and rated for NEMA4X) | Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (windblown dust); to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (rain, sleet, snow, splashing water, and hose directed water); that provides an additional level of protection against corrosion; and that will be undamaged by the external formation of ice on the enclosure. |
| UL1598A | Certified Marine Non-Recessed Luminaire Outside Type (Salt Water) |
| UL1598 | Certified Surface Mounted Luminaire |
| American Bureau of Shipping (ABS) | Certified to be installed in Marine & Offshore Facilities in Hazardous location. |
| UL844 Class I, Div 2, Groups A, B, C, D (T4A) Class II, Div 2, Groups F, G (T4A) | The surface temperature of the fixture will not rise above 120 °C. |
| 5VA Flame rated | This is the highest and most flame retardant level of the UL 94 ratings. Burning stops within 60 seconds on a vertical part not allowing for drops of plastic that are not in flames. |
| Approved for Wet Locations | Tested and approved for use in outdoor application (direct exposure to sun, rain, liquid or water splashed against the fixture.) |

UNDERSTANDING HAZARDOUS LOCATION RATING:

UL.COM/HAZLOC

| HAZARDOUS LOCATION RATINGS | | |
|---------------------------------------|--|---|
| Class | Division | Group |
| Class I: Explosive Gas Atmospheres | Division 2: Where ignitable concentrations of flammable gases, flammable liquid-produced vapors, or combustible liquid-produced vapors ARE NOT LIKELY TO EXIST under normal operating conditions. | <p>Group A: Atmosphere containing acetylene.</p> <p>Group B: Atmosphere containing a flammable gas, a flammable liquid produced vapor, or a combustible liquid produced vapor mixed with air that may burn or explode, having either a MESG (Maximum Experimental Safe Gap) value less than or equal to 0.45 mm or a MIC (Minimum Igniting Current) ratio less than or equal to 0.40 - such as hydrogen or fuel and combustible process gases containing more than 30% hydrogen by volume - or gases of equivalent hazard such as butadiene, ethylene oxide, propylene oxide and acrolein.</p> <p>Group C: Atmosphere containing a flammable gas, a flammable liquid produced vapor or a combustible liquid-produced vapor whose MESG is greater than 0.75 mm or MIC ratio is greater than 0.40 and less than 0.80 - such as carbon monoxide, ether, hydrogen sulfide, morphine, cyclopropane, ethyl, isoprene, acetaldehyde and ethylene or gases of equivalent hazard.</p> <p>Group D: Atmosphere containing flammable gas, flammable liquid produced vapor, or combustible liquid produced vapor mixed with air that may burn or explode, having either a MESG value greater than 0.75 mm or a MIC ratio greater than 0.80 - such as gasoline, acetone, ammonia, benzene, butane, ethanol, hexane, methanol, methane, vinyl chloride, natural gas, naphtha, propane or gases of equivalent hazard.</p> |
| | Division 2: Where ignitable concentrations of combustible dust ARE NOT PRESENT IN THE AIR under normal operating temperatures | <p>Group F: carbonaceous dust</p> <p>Group G: non-conductive dust</p> |

| TEMPERATURE RATINGS FOR NMV | | | |
|-----------------------------|-----------------------|--|---|
| Model | Maximum Rated ambient | Class I Division 2 Groups A,B,C,D | Class II Division 2 Groups F,G |
| NMV2-LED30A12 | 55°C | Max external luminaire surface temperature in gaseous environments = 120°C | Max external luminaire surface temperature in dust environments = 120°C |

ADDITIONAL SPECIFICATIONS:

AMPERAGE DRAW & SURGE PROTECTION

| | Current (A) | | | | Surge Protection (kV) |
|---------------|-------------|-------|-------|-------|-----------------------|
| | 120V | 208V | 240V | 277V | 120-277V |
| NMV2-LED30A12 | 0.27A | 0.16A | 0.14A | 0.12A | 6kV |

WEIGHT

| | Weight |
|------------------------|----------|
| NMV2 - Ceiling Mount | 7.95 lbs |
| NMV2 - Wall Mount | 9.15 lbs |
| NMV2 - Stanchion Mount | 7.15 lbs |
| NMV2 - Pendant Mount | 8.08 lbs |
| NMV2 - Yoke Mount | 9.38 lbs |

ADJUSTABLE LUMEN SETTINGS

| POWER | 30W | 25W | 12W |
|--------|---------|---------|---------|
| LUMENS | 3382 lm | 2818 lm | 1348 lm |

TM-21 ESTIMATED LUMEN MAINTENANCE

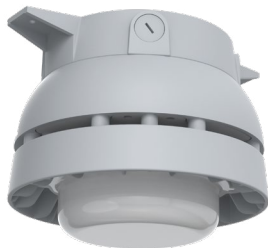
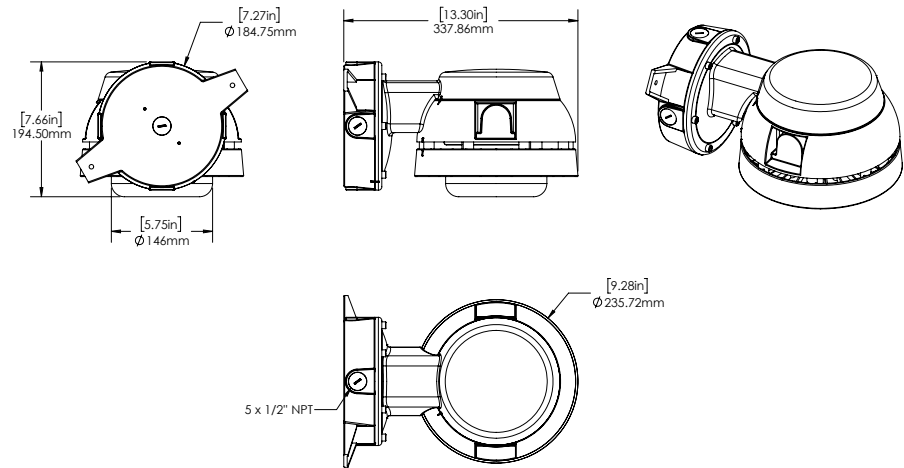
| | 50,000 Hours | 75,000 Hours | 100,000 Hours |
|---------------|--------------|--------------|---------------|
| NMV2-LED30A12 | 89.9% | 85.1% | 80.5% |

Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 calculations.

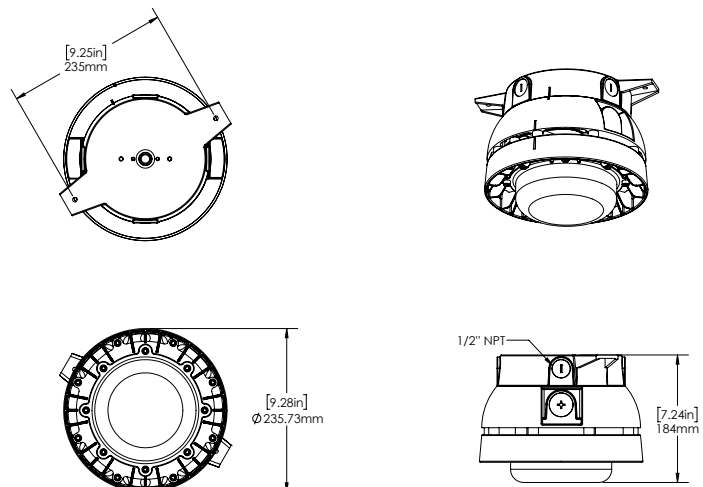
DIMENSIONS:



WALL MOUNT



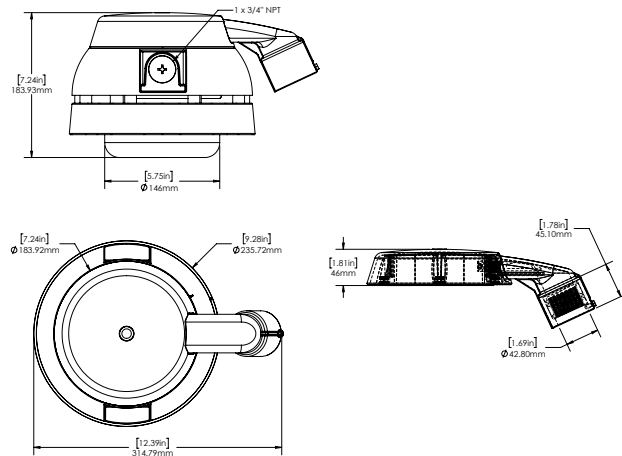
CEILING MOUNT



DIMENSIONS:

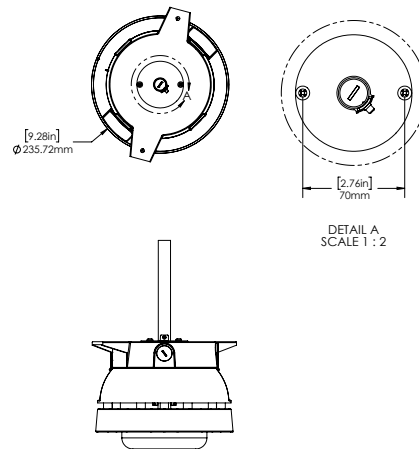


STANCHION MOUNT



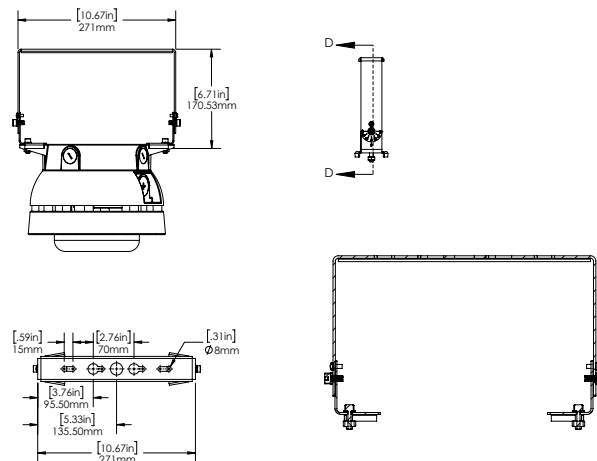
PENDANT MOUNT

Order ceiling mount unit and Pendant Mount kit



YOKE MOUNT

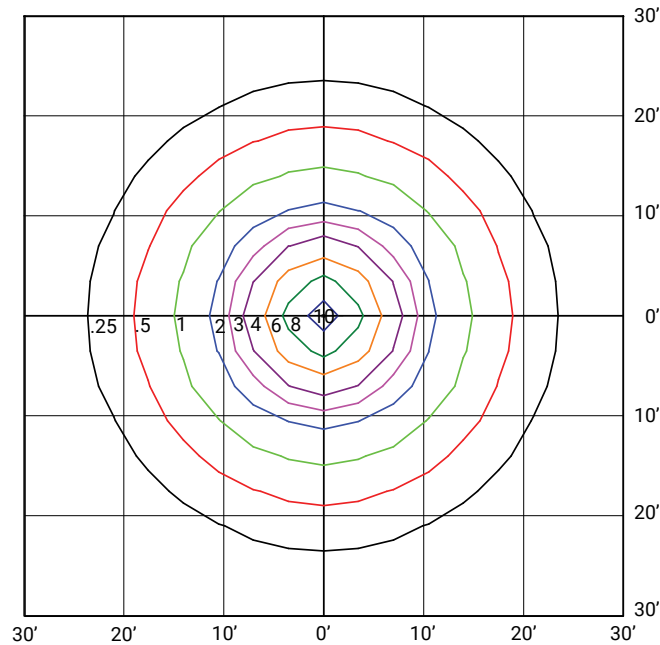
Order ceiling mount unit and Yoke Mount kit



**NMV2-LED30A12-B-VK-GRY-CM (30W, 4000K)
MOUNTED AT 10 FEET**

LUMENS 3435

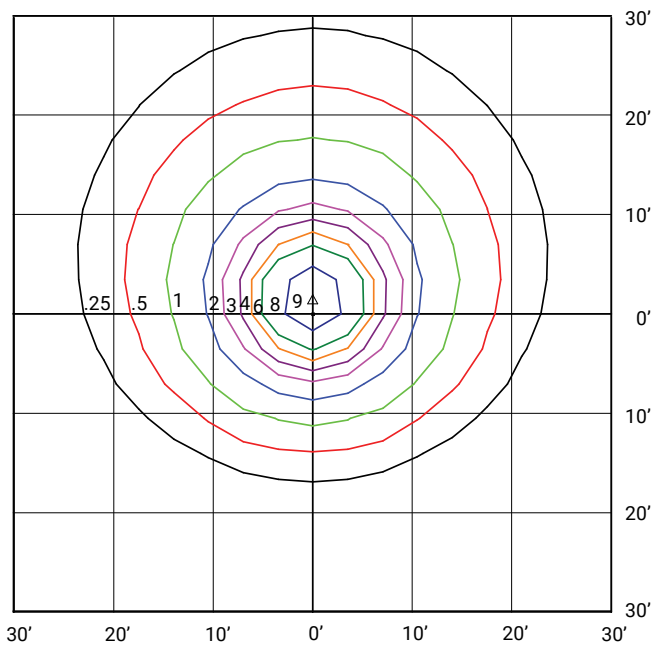
MAX CALCULATED VALUE 11.06 Fc



**NMV2-LED30A12-B-VK-GRY-STM (30W, 4000K)
MOUNTED AT 10 FEET**

LUMENS 3436

MAX CALCULATED VALUE 9.74 Fc



ORDERING GUIDE:

| NMV2-LED30A12 | B | | GRY | DIM | | |
|---------------|--------------|--------------|------------|---------------------|--------------------------|-----------------------|
| | | | | | | |
| | Voltage | Colour Temp. | Finish | Dimming | Lens Options | Mounting |
| | B - 120-277V | 3K - 3000K | GRY - Grey | DIM - 0-10V Dimming | FR - Frosted Lens* | CM - Ceiling Mount |
| | | 4K - 4000K* | | | FRR - Frosted Red Lens | WM - Wall Mount |
| | | 5K - 5000K | | | FRB - Frosted Blue Lens | STM - Stanchion Mount |
| | | | | | FRA - Frosted Amber Lens | |
| | | | | | FRG - Frosted Green Lens | |

*Standard Configuration

2200K, 2700K, 3500K, 6500K available as special order.
For more details, please reach out to customer success team.

To order pendant or yoke mount fixture, order the ceiling mount fixture with pendant or yoke mount kits.

| STOCK CODE AND DESCRIPTION | |
|----------------------------|-----------------------------------|
| 093741 | NMV2-LED30A12-B-4K-GRY-DIM-FR-CM |
| 093742 | NMV2-LED30A12-B-4K-GRY-DIM-FR-WM |
| 093791 | NMV2-LED30A12-B-4K-GRY-DIM-FR-STM |

Ordering Guide For Accessories

Check the items that you wish to order:

- ☐ 004273 NMV2-LED30A12 YOKE MOUNT KIT
- ☐ 004270 NMV2-LED30A12 PENDANT MOUNT KIT