Project: | Type: | Date: | Notes:

RDA LIGHTING

NMV2-LED30A12

Non-Metallic, Class Rated, Marine Listed Fixture

CI D2
ZONE 2
CII D2
ZONE 22

Ceiling Mount | Wall Mount | Stanchion Mount | Pendant Mount | Yoke Mount

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

USMCA compliant
(Assembled in North America)

Quick Ship Available

COLOR 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 55ºC.
- 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)

UL CERTIFIED SAFETY MARINE US E509918 — Certified Marine Non Recessed Luminaire Outside Type (Salt Water)

UL CERTIFIED SAFETY US-CA E509918 / UL CERTIFIED SAFETY US-CA E361278 — Luminaires for Use in Hazardous Locations

ABS Region Assessed | TYPE 4X Evaluated and Rated for NEMA4X | 3G Vibration Tested | Approved for Wet Location | 5 Year Warranty | IP66 Rated | DLC Listed

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 Color	Gray
Housing Details	Polyamide PA6 - B3U50G6(t)(f1) Flame Class Rating - V-0, 5VA in accordance with UL 94 Ultraviolet Light Resistent, Suitable for outdoor use in accordance with UL 746C
Lens Details	Polycarbonate Frosted - White*, Red, Green, Amber, Blue Ultraviolet Light Resistent, Suitable for outdoor use in accordance with UL 746C Flame Class Rating V-0, 5VA pin accordance with UL 94
Mounting	Ceiling, Wall, Stanchion(25º), 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 Colored 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 ignitible concentrations of flammable gases, flamable liquid-produced vapors, or combustible liquid-produced vapors ARE NOT LIKELY TO EXIST under normal operating conditions.	Group A: Athmosphere containing acetylene. 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. 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, morphline, cyclopropane, ethyl, isoprene, acetaldhyde and ethylene or gases of equivalent hazard. 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.
Class II: Explosive Dust Atmospheres	Division 2: Where ignitable concentrations of combustible dust ARE NOT PRESENT IN THE AIR under normal operating temperatures	Group F: carbonaceous dust Group G: non-conductive dust

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

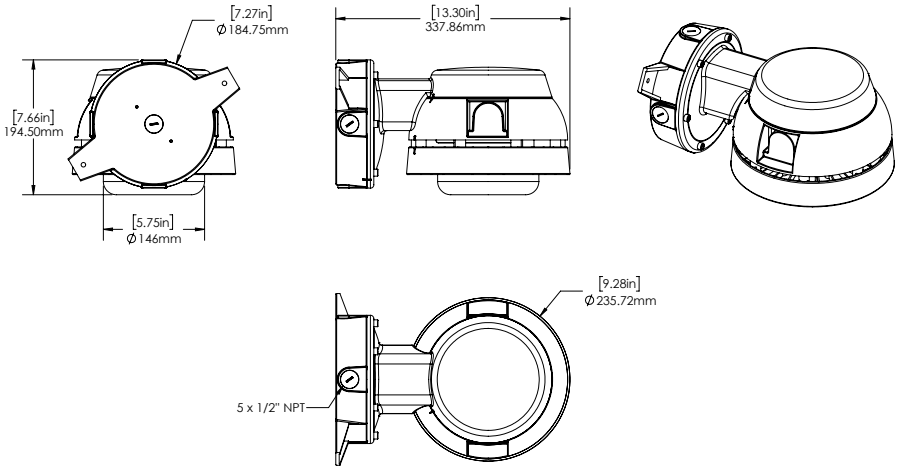
ADJUSTABLE LUMEN SETTINGS			
POWER	30W	25W	12W
LUMENS	3382 lm	2818 lm	1348 lm

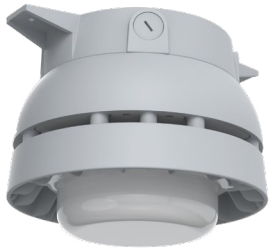
TM-21 ESTIMATED LUMEN MAINTENANCE			
	50,000 Hours	75,000 Hours	100,000 Hours
NMV2-LED30A12	89.9%	85.1%	80.5%

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

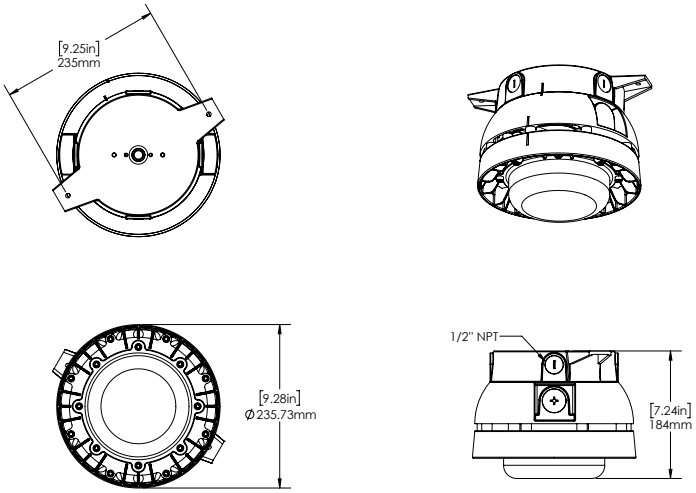
DIMENSIONS:

WALL MOUNT



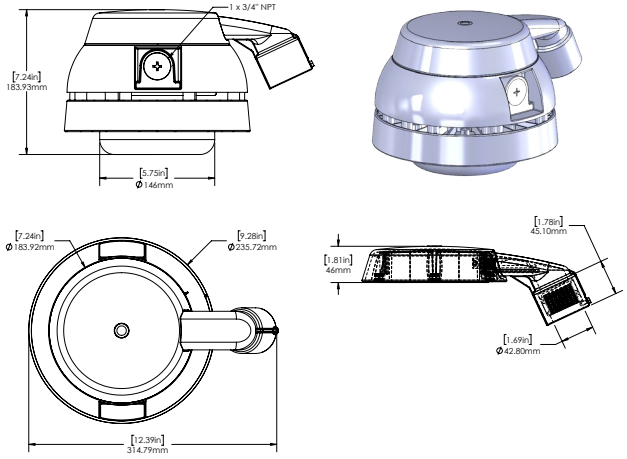


CEILING MOUNT



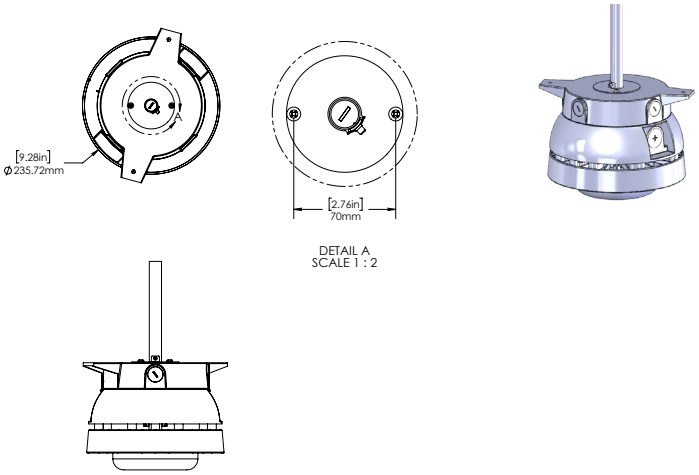
DIMENSIONS:

STANCHION MOUNT



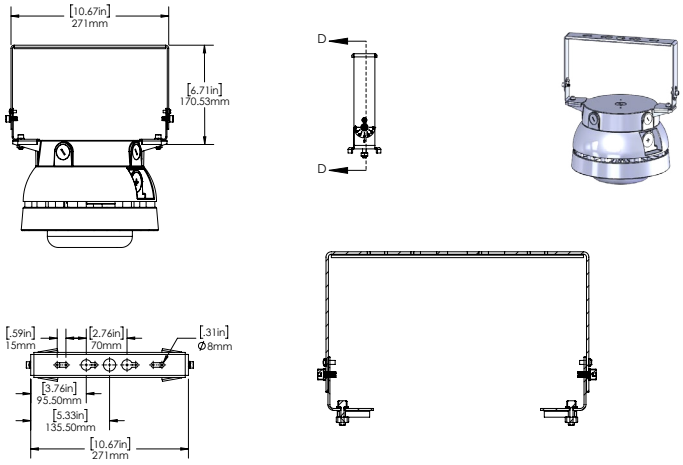
PENDANT MOUNT

Order ceiling mount unit and Pendant Mount kit



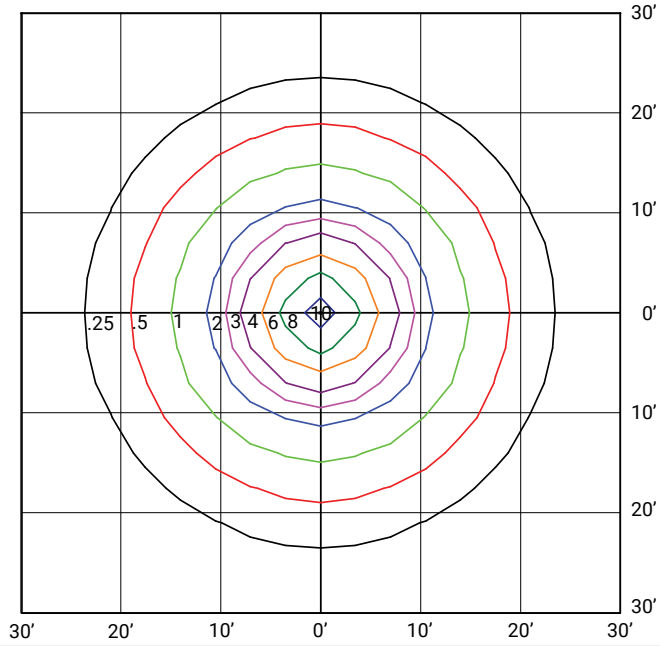
YOKE MOUNT

Order ceiling mount unit and Yoke Mount kit



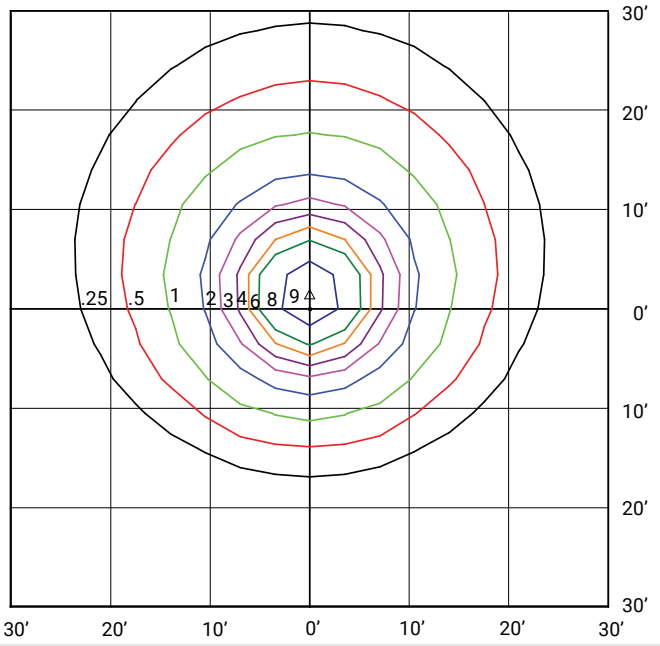
NMV2-LED30A12-B-VK-GRY-CM (30W, 4000K)
MOUNTED AT 10 FEET

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

*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	
052782	NMV2-LED30A12-B-4K-GRY-DIM-FR-CM
052783	NMV2-LED30A12-B-4K-GRY-DIM-FR-WM
052784	NMV2-LED30A12-B-4K-GRY-DIM-FR-STM

Ordering Guide For Accessories
Check the items that you wish to order:

- ☐ 052785 NMV2-LED30A12 YOKE MOUNT KIT
- ☐ 052786 NMV2-LED30A12 PENDANT MOUNT KIT