

# Ex-Floodlights of the series FMV LED / NFMV / NSSFMV

**4** (Zone 2, 21, 22)

## The powerful LED floodlights FMV/nFMV...LED

The new series of energy-saving FMV floodlights in LED technology are ideal for all general lighting applications in explosive gas atmospheres Zone 2 and in explosive dust atmospheres Zone 21 and 22.

The floodlights with a light output from 3189 lm up to 15181 lm can be used to replace comparable conventional light sources with an equivalent power of 50 W up to >1000 W. The new types NFMV 25L and 50L can even replace highest luminous flux power up to >1000 W of conventional HP lamps.

High efficient power LED modules with more than 112 lumen per watt enables up to 70 % energy cost reduction compared to HID fixtures.

## LED technology for harsh environments

Due to the particularly solid construction of the housing and the vibration resistance of the LED module, the FMV LED floodlight is resistant to impact, shock and vibration. As a result, it represents the ideal lighting concept for use in areas with difficult environmental conditions. Thanks to the non-sensitive LED technology, even extreme temperatures from -40 °C up to +55 °C are not a problem. The robust, powder coated light metal housing in the degree of protection IP 66 and an impact-resistant lens meet the highest corrosion protection and mechanical resistance requirements. The advantages of the integrated, advanced LED technology with a high luminous flux and, at the same time, an extremely low energy consumption are a long

service life and a high level of efficiency.

## NFMV floodlights for high-pressure discharge lamps

The NFMV floodlights with high-gloss internal reflectors for high-pressure discharge lamps from 150 W up to 400 W are suited for operation in hazardous areas in Zone 2 and Zone 21 and ambient temperatures of -25 °C to +50 / 45 °C. The light metal housing with an epoxy resin powder coating and a glass that is resistant to temperature changes and impacts meets the requirements for the degree of protection IP66. The modular design allows a fast and economical installation. A durable sealing system for use in extreme ambient conditions offers additional security. The restricted breathing design allows high light outputs and, at the same time, a favourable temperature class T3.

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## Wide range of applications

The particularly rugged construction, the high degree of protection and the wide temperature range make these light fittings particularly suitable for offshore applications, in the oil and gas industry and in chemical plants, where explosive atmospheres are to be expected. Further applications include use in explosive gas atmospheres in Zone 2 areas such as oil refineries, ships and drilling platforms, chemical, petrochemical and LNG facilities, waste and wastewater facilities, as well as industrial applications indoors and outdoors. Applications in explosive dust atmospheres in Zone 21 and 22 include flour mills, sugar mills, food production, wood processing and other plants with combustible dusts. The NFMV / NSSFMV floodlights feature an adjustable mounting bracket and are suitable for wall and ceiling mounting in medium and large suspension heights. Accessories for pole mounting are also available.

## Stainless steel NSSFMV floodlights for particularly harsh environments

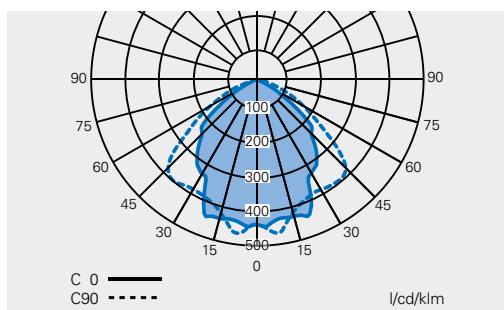
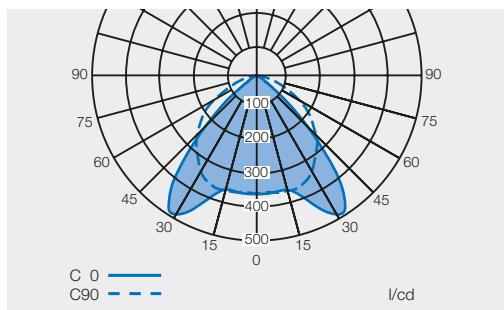
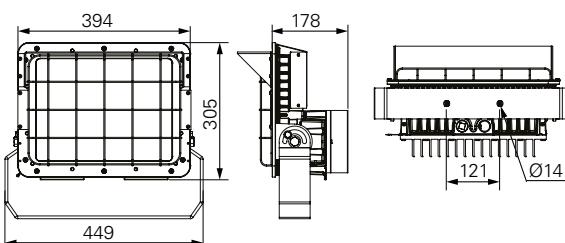
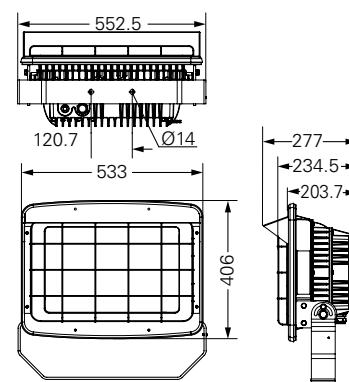
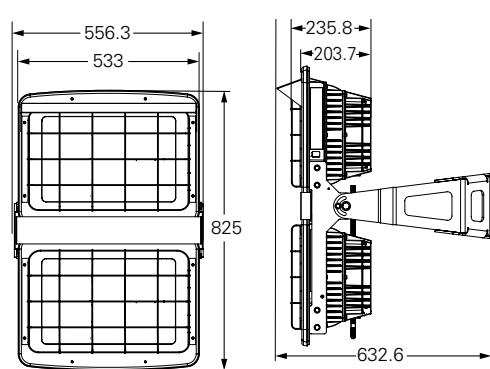
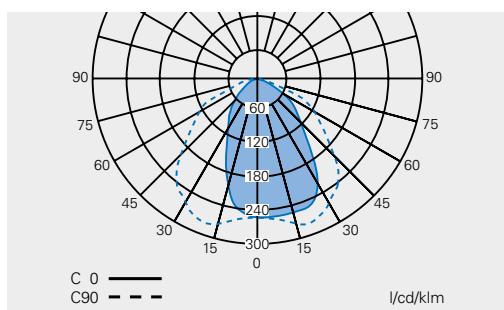
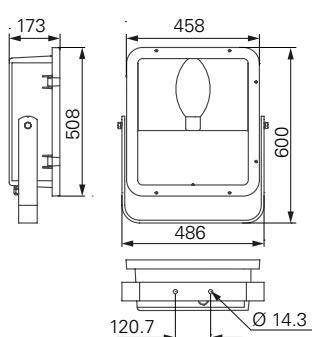
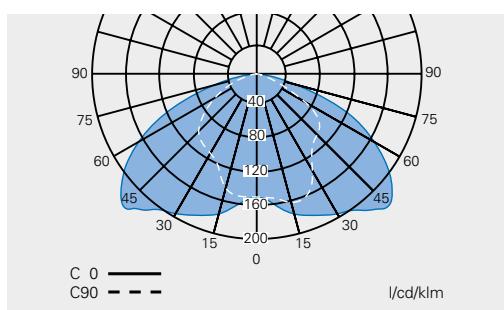
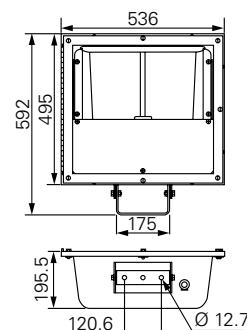
The NSSFMV floodlights with high-gloss internal reflectors for high-pressure discharge lamps from 150 W to 400 W fulfil the requirements for hazardous areas in Zone 2 and Zone 22 and ambient temperatures from -25 °C to +55 / 50 °C particularly in harsh environments with a high level of mechanical load, moisture and dust. The stainless steel enclosure with a temperature-change and im-

## Features

- FMV LED floodlights for high power LED modules
- NFMV and NSSFMV luminaires for high-pressure discharge lamps from 150 W to 400 W
- Wide temperature range according to type from -45 °C up to +55 °C
- High degree of protection IP66 for harsh environments





**Polar curve FMV LED****Polar curve nFMV 25L/50L wide beam****FMV LED****nFMV 25L LED****nFMV 50L LED****Polar curve NFMV 150 - 400 W****NFMV****Polar curve NSSFMV****NSSFMV****Slip fitter**