



### Providing homogenous illumination

This light is specifically designed to provide homogenous illumination on the sign boards. The watertightness of the system (IP67) ensures its correct operation in the required environmental conditions.

## FEATURES

- Power Supply: 12 V dc, 24 V dc and 230 V ac available.
- 12 high intensity LEDs.
- 12 asymmetric lenses producing the required light uniformity.
- The LED support circuit is thermally connected to the housing of the light, so that through the housing the internal heat produced by the LEDs dissipates.
- The coupling system ensures the required inclination of the light (5°) for a correct illumination of the sign boards at a distance of 1 m and at 0.1 m above its horizontal upper edge.
- The watertightness of the system (IP67) ensures its correct operation in the required environmental conditions.
- Light mounting bracket available on request.



The housing is a thick aluminium enclosure, which has been fitted with a pressure compensating valve in stainless steel to prevent the condensation of water inside.

The power of the MFL can be adjusted via DIP switches in order to minimize the effort required for the power supply depending on the application of the flood light. Out of the maximum power Pmax, the following power levels are provided: 100%, 75%, 60%, 50%.

The regulation factor is linear with the power (60%=6W).

### IP67.

## MFL 230 V version technical specifications

Nominal voltage:	230 V AC (-20%/+10%) / 50 Hz.
Power consumption:	20 W.
Average illuminance:	$130 \leq E < 400$ lx.
Housing:	Sea water resistant aluminium.
Lens cover:	PMMA-GS-233, impact resistant, d = 3 mm.

## MFL 12 &amp; 24 V dc versions technical specifications

Nominal voltage:	12 and 24 V dc.
Power consumption:	$P_{max} < 10$ W.
Average illuminance:	$60 \leq E < 100$ lx for 10 W.
Housing:	Sea water resistant aluminium.
Lens cover:	PMMA-GS-233, impact resistant, d = 3 mm.

## Electrical requirements

Electrical protection class:	According to DIN EN 61140.
Uniformity:	$UE \geq 1/6$ .

## Environmental conditions

Ambient temperature (operation):	$-25^{\circ} - +50^{\circ}C$ .
Watertightness:	IP67 (according to DIN EN 60529). UV stable, weather resistant housing, UV resistant polycarbonate lens or similar corrosion resistant.

## Dimensions &amp; weight

Dimensions (L+W+H):	262 x 142 x 80 mm.
Weight:	Up to 2.5 kg.

## EMC compliance

DIN EN 5 0293-200, 2002-02.
DIN EN 61000-6-2, 2006-03.
DIN EN 6 1000-6-3, 2007-09.
DIN EN 6 1547, 2010-03.

## Options

Back pole support.
Swivel bracket.
ID marking panel.

! Specifications subject to change without previous notice.

