



M-Light range

ML 5-1 /170 Cut off LED Ø 170 mm combined Head, Marker and Tail lights



- **5 functions in one module**
- **Full compatibility to EN 15153-1:2013**
- **Anti glare system full compliant with table 3**
- **Compact solution, depth < 120 mm**
- **Improved lifetime (full LED technology)**
- **Smart maintenance**



Beam shape with cut-off



Standards:

- | | |
|--------------------|--------------------|
| • Design | EN 15153 - 1: 2013 |
| | TSI LOC & PAS 2014 |
| • Application | EN 50155 |
| • EMC | EN 50121-3-2 |
| • Shock/vibrations | EN 61373 |
| • Environment | EN 60068, EN 60529 |
| • Fire/smoke | EN 45545-2 |
| • Cable | EN 50306- 4 |
| • REACH | |

Mechanical / Environmental characteristics:

- Operating temperatures: - 40°C/+70°C
- Front or rear mounting
- IP66 front and rear IP65
- Shock resistance: IK05
- Plastic protective cover
- Cable connection
- UV resistant

Electrical characteristics:

- Power supply: 24-36 and 72-110 Vdc (-30% / +25%)
- Optimized power consumption
- Long service life: 60 000h

Optical characteristics:

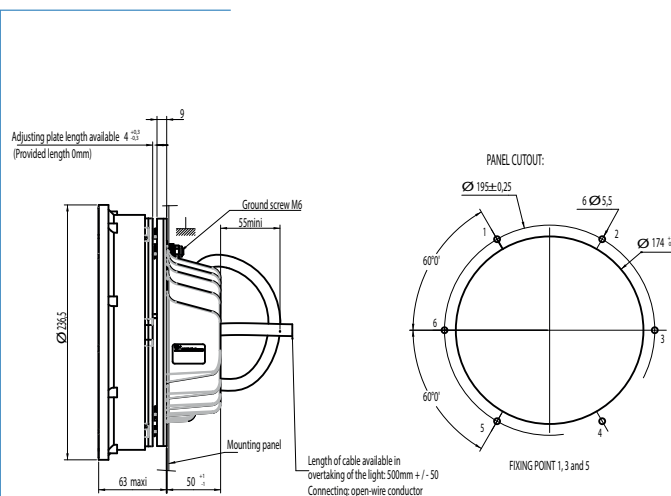
- Ø170 mm lit area

	EN15153- 1:2013	Mafelec	
	Intensity (Cd)	Intensity (Cd)	Mean consumption (W) ±20%
Full Head light	40000-70000	≈ 60 000	≈ 28
Dimmed Head light	12000-16000	≈ 15 000	≈ 10
Full Marker light	300-700	≈ 600	≈ 8
Dimmed Marker light	100-300	≈ 200	≈ 4
Tail light	15-100	≈ 80	≈ 3

Options:

- Bearing angle adjustment at ±1.5° on the two axes after mounting
- Light status feedback (potential free contact)
- Customized connector and cable length
- Glass protective cover (for robustness against chemicals)
- Defrosting
- Optical characteristics adapted for products placed behind customer glass reducing luminous intensity by as much as 35%
- Mechanical interface mounting plate

Dimensions:



AEROSPACE & DEFENCE



COACHES & BUSES



RAILWAY



INDUSTRY



ENERGY



PLEASURE BOAT



VERTICAL TRANSPORT



INDUSTRIAL VEHICLES



OFFSHORE & MINING