

CORUS MK2D



CORUS MK2D is the latest version of the hugely successful luminaire specifically designed for railway junction maintenance lighting.

CORUS MK2D is designed and tested to withstand the aggressive environment associated with trackside installations.

Housing from polyester powder coated extruded aluminium alloy, along with die-cast aluminium alloy end caps. The protector is from 6mm toughened glass.

The stainless-steel mounting system offers several options including round, square pole, or wall solutions. The bracket can also be tilted to suit various lighting design solutions.

CORUS MK2D maintenance can be undertaken by removing the end cap and the driver and LEDs can be accessed on a slide-out assembly.

KEY ADVANTAGES

- Unique photometric distribution specifically engineered for railway junction lighting
- High tightness level tested to withstand the pressure wave of passing high speed trains
- Proven design, well known by the UK railway industry
- Suitable for both 230VAC and 110VAC supplies
- Available at two output levels
- Class II electrical safety
- Optional retrofit anti-glare louvre



RAILWAYS



GENERAL INFORMATION

Recommended installation height	1m to 8m
Driver included	Yes
CE mark	Yes
UKCA mark	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory) EN 60598-2-13:2006+A1:2012+A2:2016

HOUSING AND FINISH

Housing	Aluminium alloy
Protector	Toughened glass
Housing finish	Polyester powder coating
Mounting bracket (optional)	Stainless steel (unpainted)
Standard colour(s)	RAL 7038 Agate grey
Tightness level	IP66
Impact resistance	IK08

OPERATING CONDITIONS

Operating temperature range (Ta)	-20°C up to +30°C
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ELECTRICAL INFORMATION

Electrical class	Class II EU
Nominal voltage	110 & 230 VAC 50Hz
Power factor (at full load)	> 0.9
Surge protection options (kV)	Up to 10kV
Electromagnetic compatibility (EMC)	EN 55015:2013/A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 61547:2009, EN 62493:2015
Control protocol(s)	None

OPTICAL INFORMATION

LED colour temperature	4000k (Neutral White)
Colour rendering index (CRI)	70

LIFETIME OF THE LEDS @ TQ 25°C

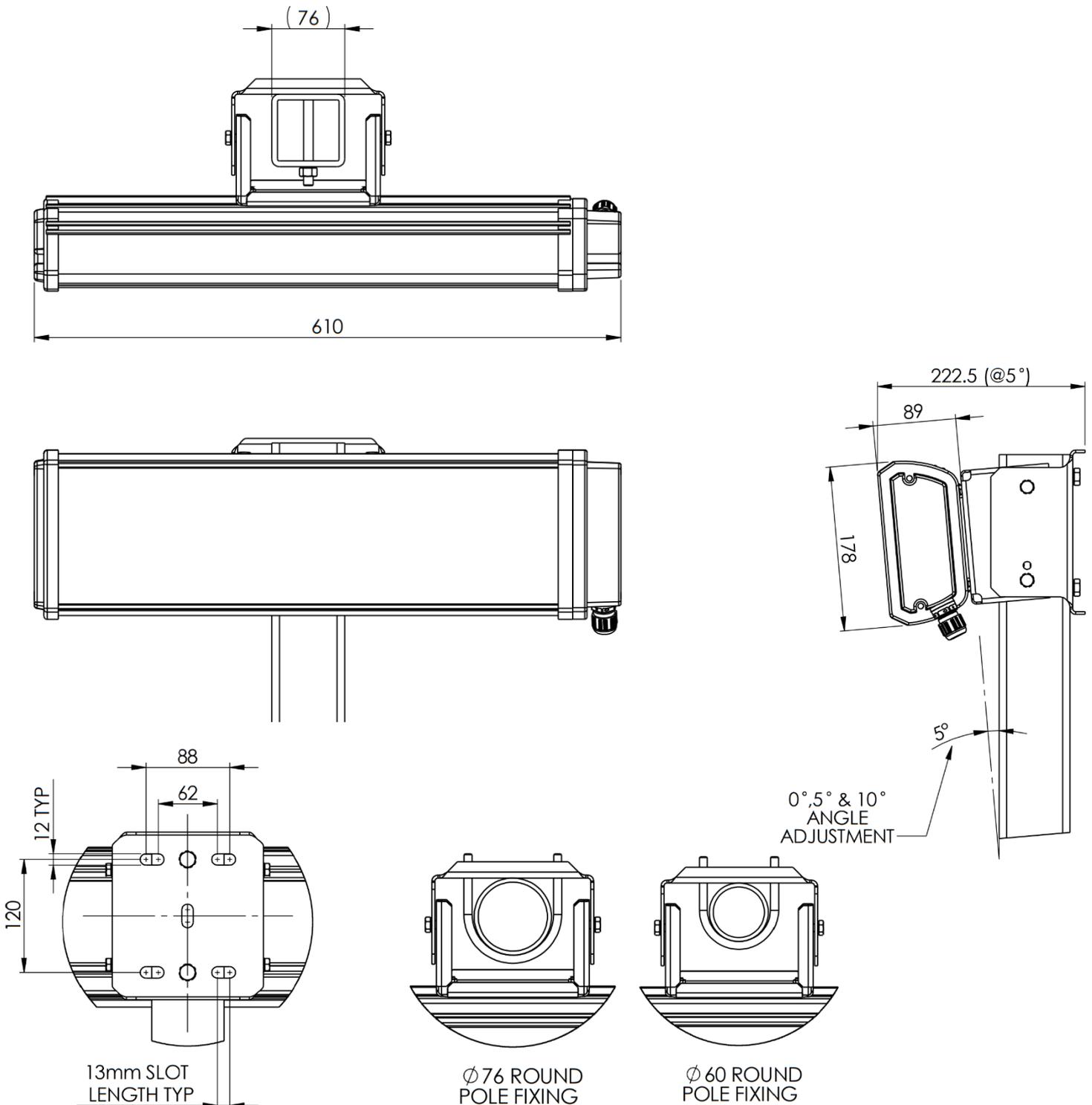
All configurations	100,000h - L90
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CORUS MK2D | CHARACTERISTICS

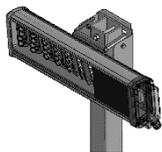
DIMENSIONS AND MOUNTING

Weights (kg) 5.2kg (excluding mains cable and bracket)

Option bracket weight (kg) 1.1kg



CORUS MK2D | PERFORMANCE & LIGHT DISTRIBUTIONS



Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Neutral White 740	Power Consumption (W)	Luminaire efficacy (lm/W)
CORUS MK2D	28	350	4,032	34	119
CORUS MK2D	28	500	5,577	48	116

Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$

