

GROTE TRILLIANT® FMX

LED Work Lamp

9-32V

DATA SHEET

WORK LIGHTING



Trilliant® FMX | 3000 lm Slim design, maximum efficiency & performance

- Powerful 3000 lm luminous flux with a power consumption of 42 W
- Proven color temperature of 5700 K for fatigue-free work
- High optical efficiency thanks to TIR single-lens concept
- Stable brightness across the entire operating temperature range and long service life due to superior thermal design
- High-pressure cleaner resistant according to IP69K
- Protection circuitry against automotive transients, DC over- and undervoltage, as well as electrostatic discharges (ESD)
- Compliant with EMC regulations according to CISPR 25 Class 5

PRODUCT SPECIFICATIONS

OPTICAL CHARACTERISTICS

Illuminance	
Calculated:	3800 lm
Instant-on (t0):	3300 lm
Continuous (t30):	3000 lm
Color temperature (CCT)	5700 K
Color rendering index (CRI)	70
Efficacy	72 lm/W

ELECTRICAL CHARACTERISTICS

Operating voltage range	9-32 V
Input current	3,47A (12 V) and 1,73A (24 V)
Inrush current	Nominal input current is not exceeded
Power consumption	42 W
Input connector	DT-Style
Operating temperature range	-40°C to +50°C
Reverse polarity protection	✓
Overheat protection	✓
ESD-, transient protection	✓

MECHANICAL CHARACTERISTICS

Dimensions (HxWxD)	118x142x59 mm
Weight	930 g (Bracket)
Materials	Lens: UV resistant polycarbonate Housing: Aluminium powder-coated
Color	Black
IP Code	IP69K
Mounting	Pendant and pedestal
Maximum storage temperature	-55°C to +110°C
Impact and shock resistance	50 G
Vibration resistance	5 G (5-500 Hz)

APPROVALS AND CERTIFICATES

ECE	R10
CE	✓
UKCA	✓
ISO 14982	✓ (testpuls 5 with 28V)
ISO 7637-2	✓
ISO 10605	✓
ISO 11452	Section 2, 4 and 5
CISPR 25	Class 5
ISO 20653	✓

Order no.	Light distribution	Assembly
64Y91	HYBRID	BRACKET

LUMENS

3800 r	3300 i	3000 e
Raw	Instant-On	Effective



FOR MORE
INFORMATION
VISIT **GROTE.COM**

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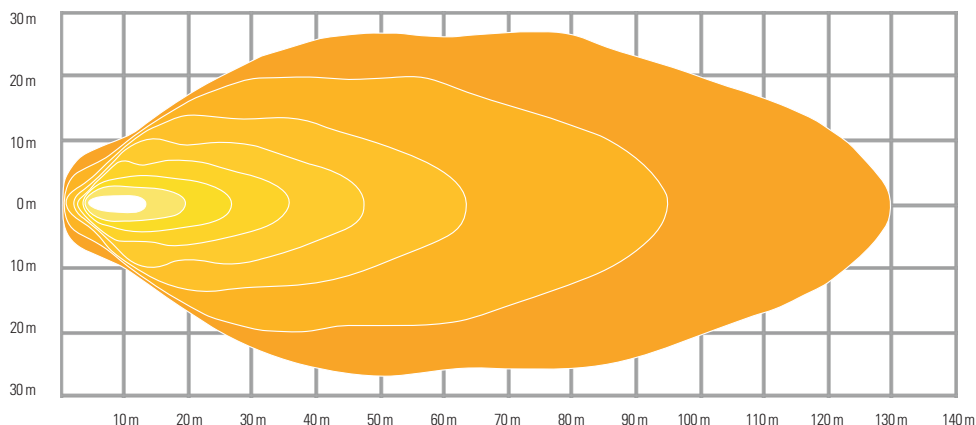
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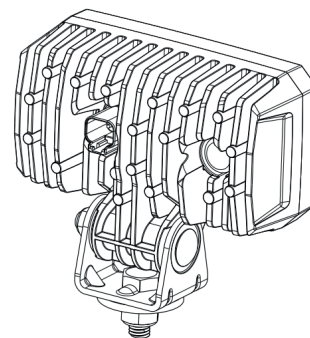
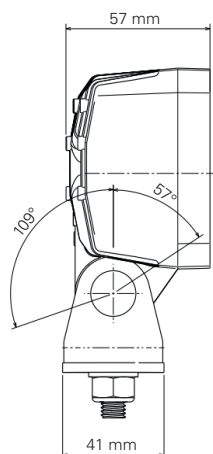
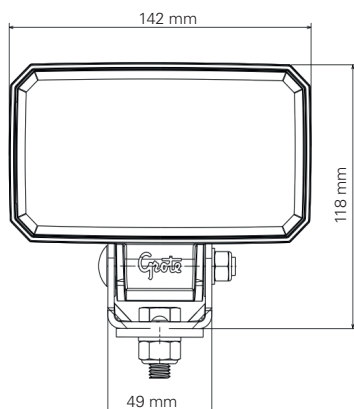
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Hybrid range - IsoLux (64Y91)



Illuminance (Lux):



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