

GROTE TRILLIANT[®] SMX.1

LED Worklamp

9-32V

DATA SHEET

WORK LIGHTING



Trilliant[®] SMX.1 Small Dimensions, Maximum Efficiency & Performance

- Entry-level version of the new MX worklamp series
- Steady luminous flux of 1290lm at a power consumption of only 12W
- Field-proven 5700K CCT guarantee fatigue free working
- State of the art TIR-only lens design maximizes optical efficiency
- Constant luminance over the whole operating temperature range
- Long lifetime due to sophisticated thermal design
- Pressure-washer-safe according to IP69K
- Circuitry protected against automotive transients, DC over- and undervoltage and ESD
- Complies to EMC standard CISPR25 class 4
- Tested in accordance with ISO 14982 and EN 13309 for agricultural, forestry and construction-site machinery
- Two distinct light distributions cover all illumination needs, including an R23 compliant reversing lamp
- As an option, the SMX series is available with our new Ball Basket mounting system: Mount and adjust your lamp within seconds with a single bolt

Order no.	Light distribution	Assembly
64L31	FAR RANGE	BALL BASKET
64L41	CLOSE RANGE	BALL BASKET
64L51	R23	BALL BASKET
64L61	FAR RANGE	BRACKET
64L71	CLOSE RANGE	BRACKET
64L81	R23	BRACKET

PRODUCT SPECIFICATIONS

OPTICAL CHARACTERISTICS

Illuminance	
Calculated:	1600 lm
Instant-on (t ₀):	1340 lm
Continuous (t ₃₀):	1290 lm
Color temperature (CCT)	5700K
Color rendering index (CRI)	70
Efficacy	104lm/W

ELECTRICAL CHARACTERISTICS

Operating voltage range	9-32V
Input current	0,78A (14V) and 0,45A (28V)
Inrush current	Nominal input current is not exceeded
Power consumption	12W
Input connector	Deutsch DT
Operating temperature range	-40°C to +50°C
Reverse polarity protection	✓
Overheat protection	✓
ESD, overvoltage and transient protection	✓

MECHANICAL CHARACTERISTICS

Dimensions (HxWxD)	Bracket version: 123x94x52mm Ball version: 120x94x52mm
Weight	735g (Bracket) 620g (Ball)
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	50G
Vibration resistance	5G (5-500Hz)

APPROVALS AND CERTIFICATES

ECE	R10, R23
CE	✓
ISO 14982	✓
EN 13309	Without section 2 (testpuls 5a 24V)
ISO 7637-2	✓
ISO 16750	Without section 2 (testpuls 5a 24V)
ISO 10605	✓
ISO 11452	Section 2, 4 and 5
CISPR 25	Class 4
EN 60068	✓
ISO 20653	✓

LUMENS

1600 r	1340 i	1290 e
Raw	Instant-On	Effective



FOR MORE
INFORMATION
VISIT **GROTE.COM**

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GROTE TRILLIANT® SMX.1

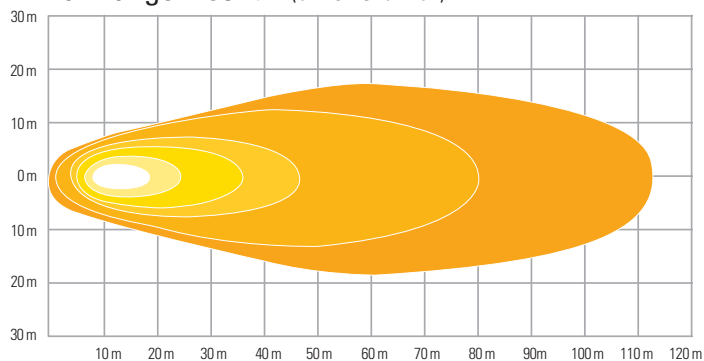
LED Worklamp

9 - 32 V

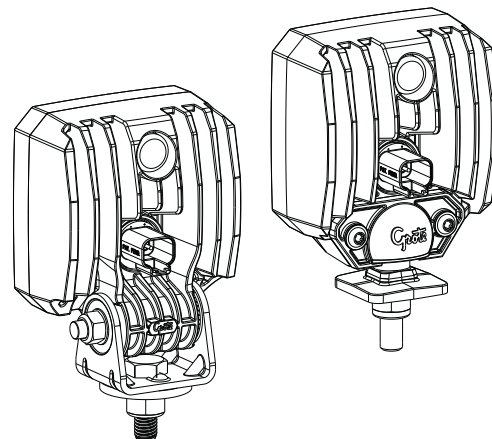
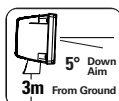
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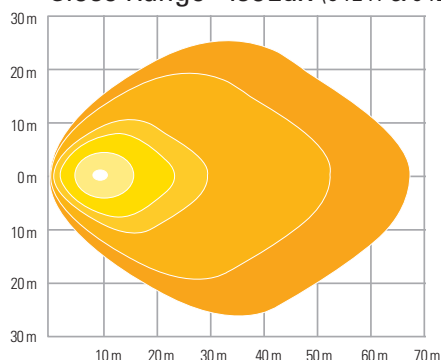
Far Range - IsoLux (64L31 & 64L61)



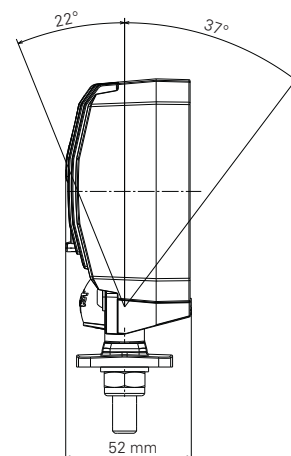
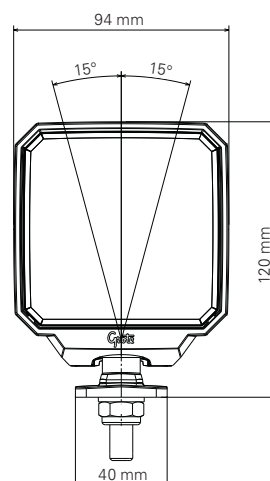
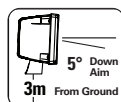
Illuminance (Lux)



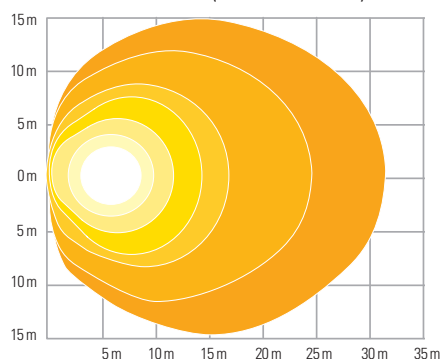
Close Range - IsoLux (64L41 & 64L71)



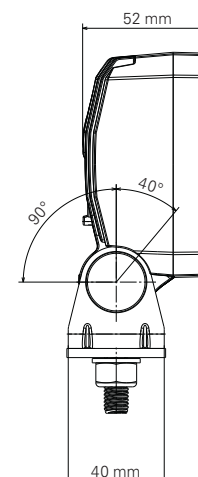
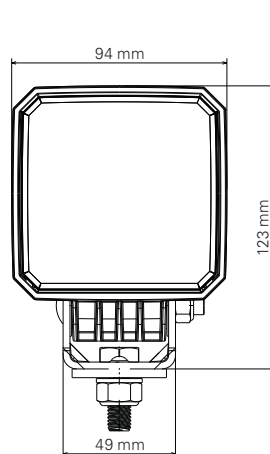
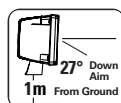
Illuminance (Lux)



R23 - IsoLux (64L51 & 64L81)



Illuminance (Lux)



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