

*LED lamp for optimized illumination during high-speed image capturing. Next evolutionary step in the development of M=LIGHT technology with significantly higher luminous flux and full compatibility with the established MESSRING LED lamp.

- Doubled light output at constant connection power compared to our previous M=LIGHT technology
- Synchronized operation with cameras allows for high-intensity flash mode
- No warm-up or cool-down period – immediate maximum luminous power
- Test object not exposed to thermal radiation
- LED service life > 50,000 hours
- Compact design for various applications
- Available with three different beam angles

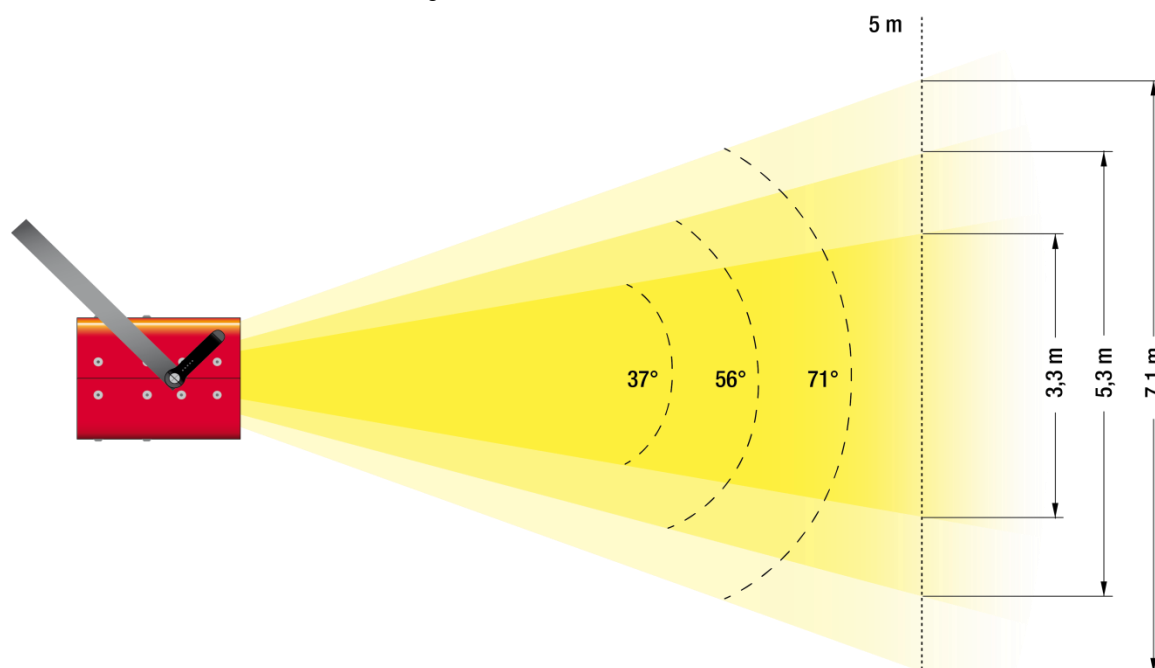


Figure 1: Available beam angles

Lens angle	Distance 1 m	Distance 2 m	Distance 3 m	Distance 4 m	Distance 5 m
37°	232,400	58,900	26,300	14,800	9,500
56°	122,100	31,400	14,000	7,900	5,100
71°	82,500	20,100	8,900	5,000	3,300

Figure 2: Illuminance (lux) examples

Please note: The above mentioned illuminance values are based on 100 % steady light operation mode. With synchronized mode the maximum reachable illuminance values can be more than doubled.

TECHNICAL SPECIFICATIONS

Beam angles	37°, 56°, 71°
Color temperature	5,000 K (daylight)
Nominal input power	1,150 W
Power supply	100...230 VAC, 50/60 Hz
Luminous flux (steady light mode)	120,000 lumen
Luminous flux (synchronized mode)	260,000 lumen
Adjustable light output (steady light mode)	0...100 %
Adjustable light output (synchronized mode)	Up to 200 %
Max. frame rate (steady light mode)	No limitation (flicker-free)
Max. frame rate (synchronized mode)	Up to 25,000 fps
Adjustable flash duration	20...500 µs
Dimensions (L x W x H)	324 mm x 208 mm x 172 mm
Weight	7,5 kg
Operating temperature	0...50°C
Communication interface	Serial bus (differential signal with integrated bus termination)
Cooling system	Temperature controlled fans
Eye safety classification	DIN EN 62471 RG2

Scope of supply

- M=LIGHT Evo
- Power cord (2 m)
- Cat. 6 Ethernet cable (5 m)

Options

- M=LIGHT connection set (further information on request)
 - M=LIGHT bus-splitter (separates communication and synchronization signals)
 - Can 2 USB/Ethernet PC-interface
- M=LIGHT control software
- Consultation and design of customer-specific turn-key lighting systems