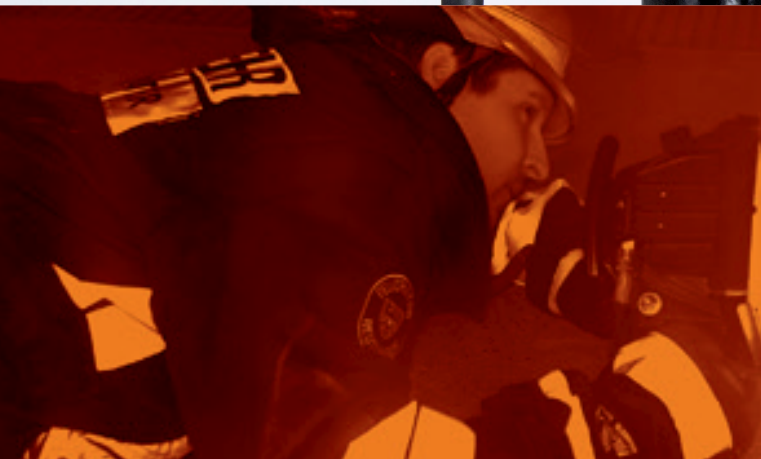


LED

LED 90 DC



KARL *Meister* GmbH



Our compact LED 90 DC

...for alternating or direct current offers you enormous brightness comparable to that of a 1,000 W halogen floodlight. Apart from weight benefits the LED 90, compared to its 'big brother' (LED 130) we've been manufacturing for years in proverbially masterful MEISTER quality.

- Newly developed, safe and reliable DC-DC converters for LED featuring Chip-on-Board (COB) technology with universal voltage input and rated voltage of 10–32 volts DC, enabling operation on both 12-volt DC (passenger cars) and 24 -volt DC (truck) on-board electrical systems.
- Reduced power in case of over-temperature due to integrated thermal sensor: in case of very high outdoor temperatures or intensive sunlight power input is reduced in an infinitely variable and hardly noticeable way. This protects power electronics and the LED chip against premature wear. If the input voltage drops below the rated voltage, power input will decrease as well before the electronics completely shut off.
- Due to the high currents particularly in the lower voltage range connections of up to 2 x 4 mm² are possible.
- Polarity protection prevents damage to voltage supply in case of plus and minus pole mix-ups.
- EMC (electromagnetic compatibility) tests have been performed to include the 10-metre lead:
No interference with electronic devices such as radiotelephony, radio, etc.
- Lamps with approx. 50,000 hours of service (LED change after approx. 6 years in 24-hour operation, in daily 6-hour operation after approx. 24 years). No lamp change, no maintenance work.
- High reliability irrespective of switching frequency, enormous brightness (illumination corresponds to approx. 1,000 W halogen floodlight with only 10 % of its energy consumption).
- High energy efficiency (due to highly effective optics 90 % energy savings are achieved compared with a halogen floodlight; max 108 W total power input, high economy and very good environmental performance).
- Immediate full luminosity (even after disruption of power supply).
- State-of-the-art LED lamps deliver new, unrivalled light yield. The light has been mainly engineered for low power input of only 108 W plus the ability to deliver optimum results even in adverse visibility conditions (fog, rain, snow, smoke). The colour temperature in particular was selected so that 'hidden embers' etc. can be reliably detected.
- Exact emission of a certain wavelength without heat radiation.
(ideal for close-range use when rescuing people, no ultraviolet and infrared radiation).
- The reflector specifically designed for the LED chips used in this floodlight provides an exceptionally fluid, pleasant transition from bright to dark. In the interaction with the uniform light distribution this largely avoids the typical floodlight glare that is perceived as particularly unpleasant.
- Absolute protection from external damage (high-grade DC-DC converter installed in robust lamp housing).
- Easy offset of the floodlight during operation, making the floodlight superbly suited for mounting on light poles, turntable ladders, boom lifts, etc.).
- Easy part replacement (modular design) and long service life (innovative heat dissipation, high-grade housing, low emissions).

This floodlight with its corrosion-resistant, powder-coated and thus nearly indestructible sand-casting housing lets you stay cool even when the action gets hot. The housing only heats up very moderately even after prolonged operation of the light and allows the unit to be stowed in the vehicle immediately after use.

Because we always offer you a bit more you can expect Meister to deliver top-quality 'made in Germany' that has been developed for general mobile uses and for disaster relief operations. Like all Meister floodlights the DC version has been subjected to extreme vibration and temperature tests. The standard version comes as a floodlight fit for use by fire departments, complete with mounting element, carrying handle, cable, plug and 10-metre lead, and can therefore be operated within close range of the vehicle.

In other words, this is a reliable investment that will pay off both for you and the environment for many years.