

WHAT ARE LED'S?

Light Emitting Diodes (= LED's) are cold light digital emitters based on a micro-chip. Because the LED is moulded in to a plastic compound, it is completely shock-proof and nearly indestructible.

The small size and the extreme light efficiency of LED's allows for complete new designs of torches and lamps, which where never before possible by conventional bulbs. LED's have medium lifetime of up to 100'000 hours. Typical bulbs used in typical hand torches offer a lifetime of 20 to 100 hours only.

The Energy efficiency of LED's is much higher then the one of bulbs and they create nearly no heat. Besides these advantages, LED's decrease their power consumption in line with the battery power decline over time, which again increases the lighting time.

In our torches we only insert LED's of the highest quality, brightness and efficiency to ensure our customers experience maximum product satisfaction.

SYMBOLS

Following symbols are used for a simplified view of the product's properties:



Light time
min-max



Recharg. batt.
applicable



Only for
batteries



Light power in
lm/mcd/lux



Dimensions
mm



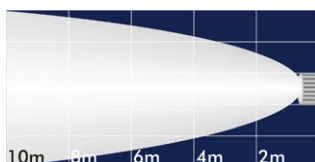
Weight
grammes



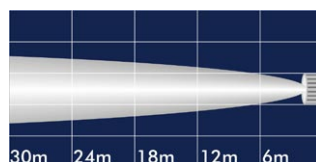
Impermeability
classification

TYPICAL BEAM TYPES AND LIGHTING DISTANCES

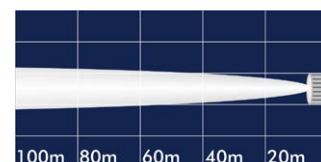
We divide our lamps in 3 different light beam types as follows:



Floodlight / large beam
by Multi-LED (Type A)



Spotlight medium distance
by reflector (Type B)



Spotlight long distance
by wide-collimator (Type C)