KLT Kiessler-LichtTechnik GmbH

Model AX-800 + AX-850 for industry, mining and fire brigade

1. High Power CREE LED and 4 Low Power LED.
2. High energy-Lithium-Polymer battery secured by 3 independent safety systems
3. 3 ATEX permissions for group I (M1) and group II inclusive zone 0!
4. Robust switch well secured on the side of the casing.
5. Capacity display shows loading state.
6. With only 130g very lightweight and comfortable to wear.
7. Automatic switches to emergency light if battery is nearly empty.
8. Convenient order of light steps: 1. working light, 2.strong light, 3.emergency light.
9. Very robust external charging contacts which are easy to maintain.
10. We only use components of brand manufacturers! E
11. 3 lamp models: AX-800 with ATEX, 2 light steps; AX-850 with ATEX, 3 light steps; A-800 without ATEX, 2 light steps

Technical data AX-800 and AX-850

LED:	1 × 3 Watt CREE LED as primary light, 4 × SMD LED as emergency light
LED life span:	≥100,000 h
Battery:	Lithium-Polymer 3.7 V / 2.8 Ah
Battery life span:	≈600 loading cycles, afterwards is the capacity >70 %
IP class:	IP67
Luminous duration AX-800:	working light 15 h / emergency light 30 h
	AX-850: strong light 5 h / working light 15 h / emergency light 30 h
Charging time:	≈5 h
Luminous flux AX-800:	45 Lumen
AX-850:	110 Lumen
Luminosity* AX-800:	working light 2800 Lux / emergency light 700 Lux
AX-850:	strong light 6700 Lux / working light 2800 Lux / emergency light 700 Lux
Weight:	130g
ATEX permissions:	Ⓔx II 1G Ex ia IIB T4 Ga
	Ⓔx II 2G Ex ia IIC T4 Gb
	Ⓔx I M1 Ex ia I Ma
LED light loss:	less than 3 % after 5000 h working hours!
Warranty:	2 years

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The light power

The light beam is very well focussed, pure white without coloured rings.

It is surrounded by a bright corona, which pleasantly illuminates the close range. The 3 white signs shown on the photo are installed at a distance of 50m, 100m and 150m.
The forrest, which can still be well recognised in the light cone, is in a distance of over 200m!

The new flexible loading system for lamps AX-800, AX-850, A-800

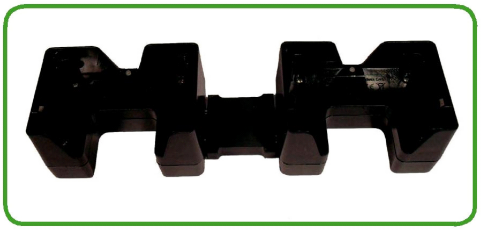
The KLT Kiessler-LichtTechnik GmbH developed a very special loading system for its cap lamps AX-800, AX-850 und A-800. Because of the modular system the lamps can be charged individually or up to 25 charging spaces be combined in any number.
By request more of course. The input voltage can be 230V AC or 12V – 36V DC. On the next page you will find examples.
Only our systems can offer so many options!

single charging cup AZ-80

+

connector AZ-84

=



many combinations

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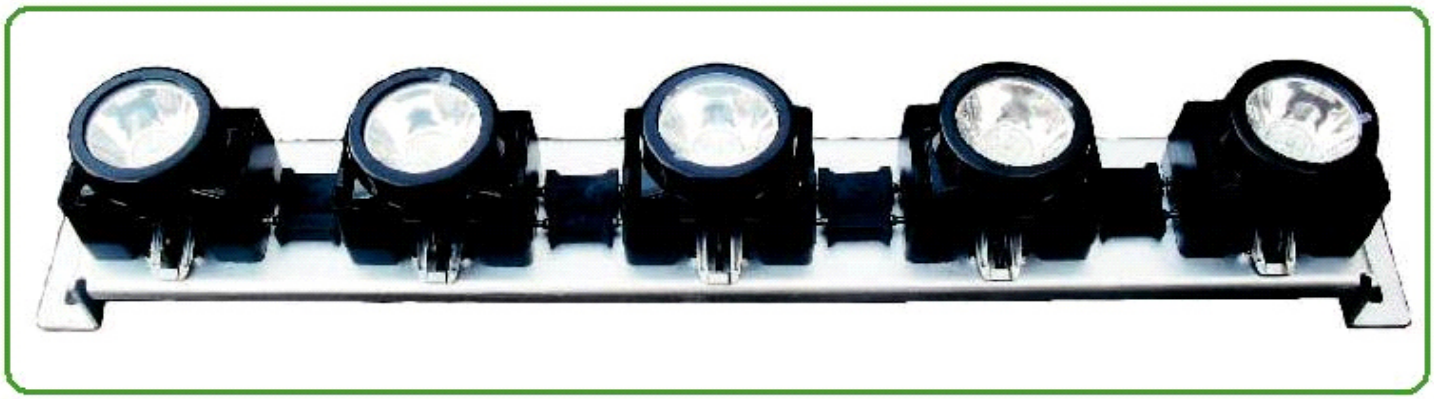
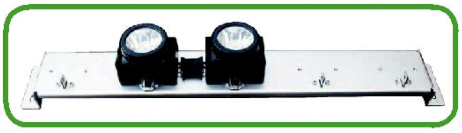
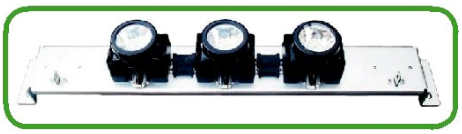
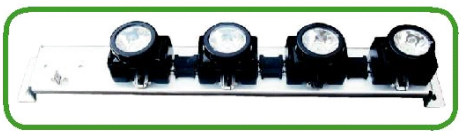
The charger



complete charging strip AZ-85K for 5 lockable charging places

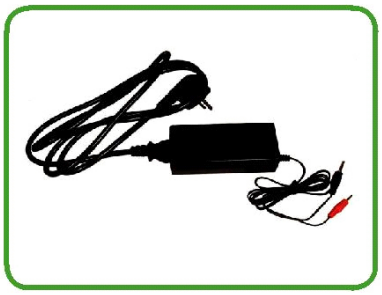




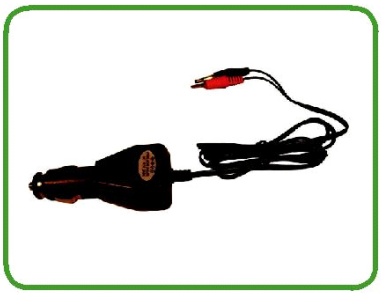


charging strip AZ-85 for two, three or four charging places.

charger AZ-90
For one charging cup

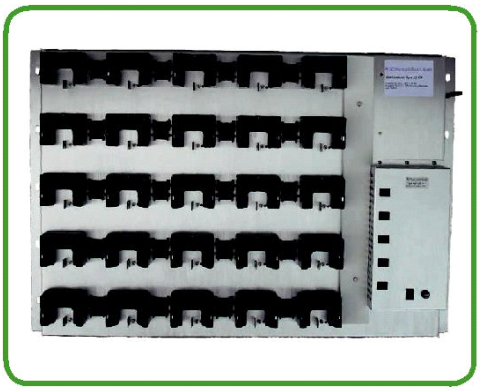


charger AZ-81
For 2 - 6 charging cups



charger AZ-82
for 12 - 36 V DC
input voltage

The 25 charging board



charging board AZ-125

lockable charging spaces

Technical data

Capacity: 25 charging spaces
Material: Aluminium
Power connection: 230 V AC
Output: 150 Watt.
Weight: 10 kg
Dimensions: 860x540x110 mm

Also available as 50er version.

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