

Aldebaran® lamps – the perfect lighting solution for mobile applications

Our task was to design a heavy-duty, high performance lighting system for a vast range of applications. This lead to the creation of our Aldebaran® lamp - the perfect lighting solution!

Top basic materials like aluminium and tough resilient plastics guarantee a great solidity. The lamp is extremely impact and shock resistant because of the high quality processing of all inner components. Discover the excellent features of our Aldebaran® lamp on the following pages ...

Energy saving technology plaid a major role in the design of our new product ...

Thanks to the use of TCL tubes a lamp with a capacity of only 125 Watt (type Aldebaran® 2 x 55 W) supplies a luminous flux corresponding to a 500 W halogen lamp. Because of the low heat generation we are able to save 75 % of the energy consumption! The burning lifetime of these TCL tubes reaches 8.000 to 10.000 hours depending on the lamp type.

The aluminium reflector and the shock resistant front glass provide a strong and even light pattern.

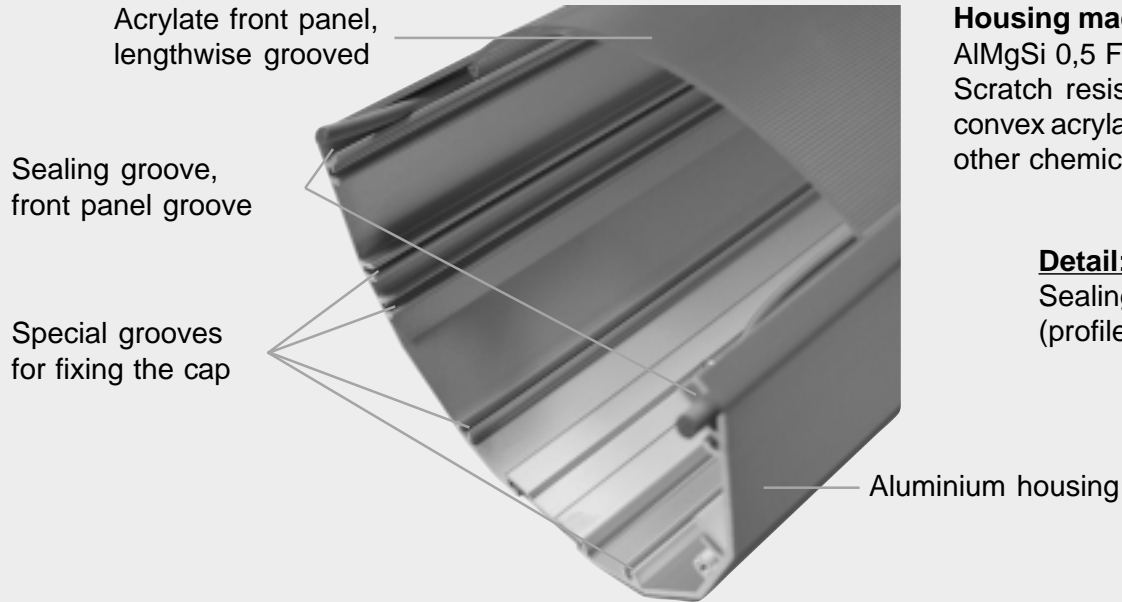
Whether for applications in tents or halls, for illumination on construction sites and other places or for close inspection work - the Aldebaran® lamp is your working light solution wherever professional lighting facilities are required. The Aldebaran® lamp is a reliable, efficient and multi-purpose lighting system providing a bright, even and non-dazzling working light for outdoor and indoor use. Because of its energy efficiency this model constitutes a performing stand-by lamp where ever power supply is ensured by emergency generators.

Videos on www.setolite.de

A look inside...

Details that make the difference!

The Housing



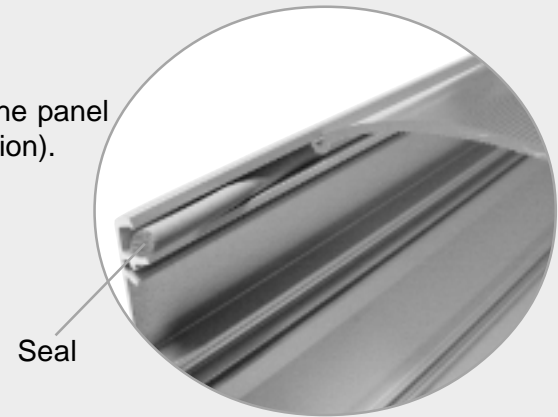
Housing made of anodised aluminium profile

AlMgSi 0,5 F 22DIN 1725/48

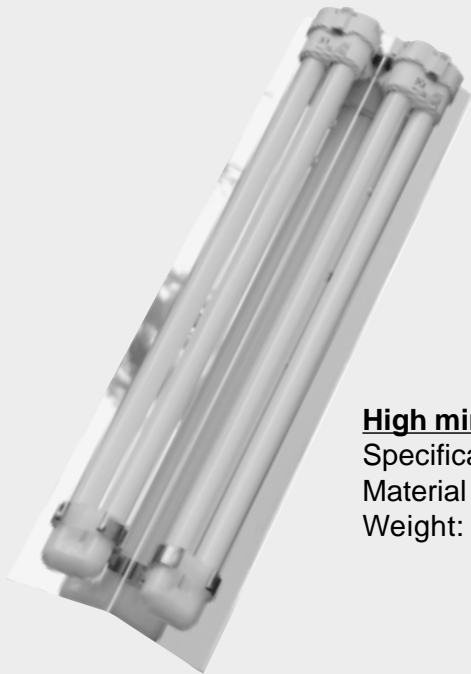
Scratch resistant housing with intercalated impact-resistant, convex acrylate front panel, resistant against benzine and many other chemicals. Material thickness: 2mm - 2,068 kg/m.

Detail:

Sealing of the panel
(profile section).



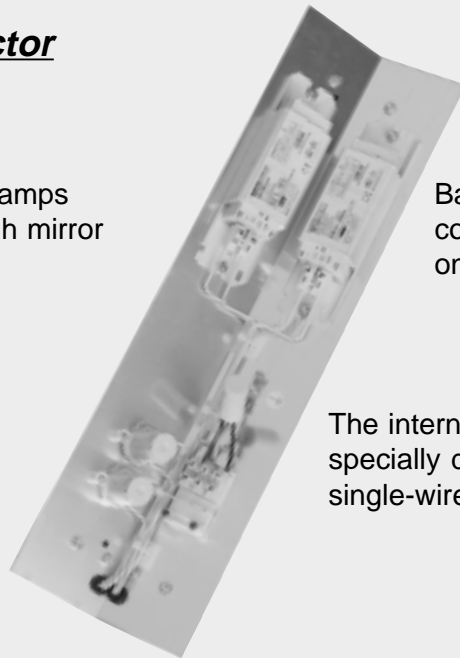
The Reflector



The TCL tubes with sockets and clamps are mounted on the front of the high mirror finish aluminium reflector.

High mirror finish aluminium reflector

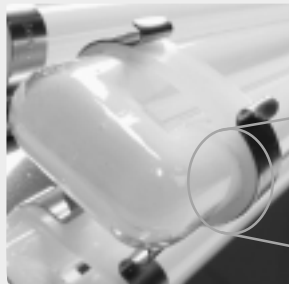
Specification:	Al 99.85
Material thickness:	1 mm
Weight:	3,0 kg/m ²



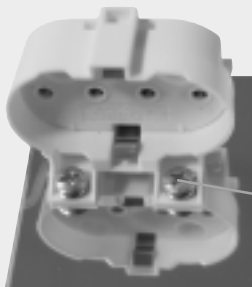
Ballast, starter and connecting terminal are fixed on the back of the reflector.

The internal wiring consists of specially designed high temperature single-wire cable.

More Details ...

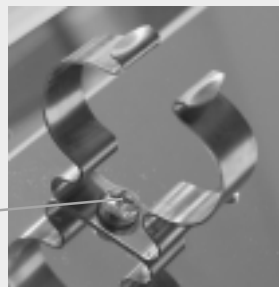


Well fitted head of tube due to soft anti-vibration silicone ring.



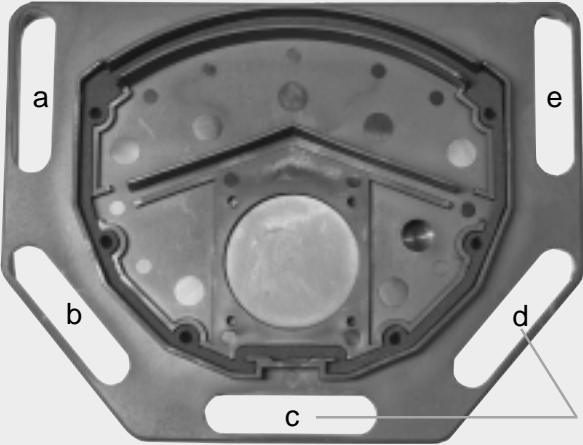
Tube socket for bi-pin base (TCL).

Important:
All our components are
screwed!

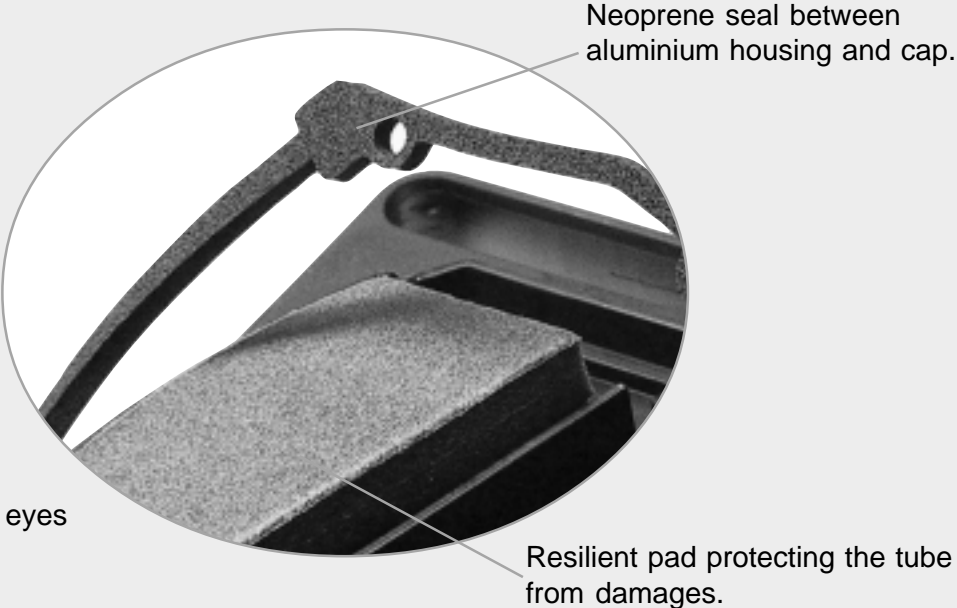


Special clamps made of spring steel provide a perfect fitting of the tubes.

Cap – Specification: PP / EPDM

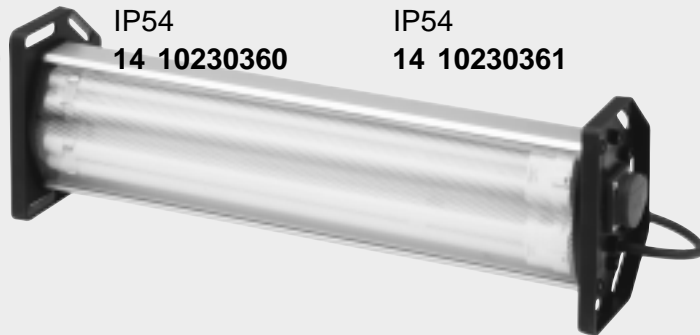


5 suspension eyes



Technical Data

Type	2x18W standard	2x36W standard	2x36W/E standard	2x55W/E standard
Light source TCL/840	2x18W	2x36W	2x36W/E	2x55W/E
Ballast	conventional	conventional	electronic	electronic
Luminous flux / lm (approx.)	2.400	5.800	5.800	9.600
Capacity (approx.)	50W	110W	85W	125W
Equivalent bulb of	200W	500W	500W	750W
Burning lifetime	8.000h	8.000h	10.000h	10.000h
Dimensions in mm	320x145x190	485x145x190	485x145x190	610x145x190
Weight (approx.)	2,6 kg	3,6 kg	2,9 kg	3,2 kg
Voltage	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz
Protection class	IP54	IP54	IP54	IP54
Item number	14 10230180	14 10230360	14 10230361	14 10230551



Type	2x36W emergency function
Light source TCL/840	2x36W
Ballast	electronic
Battery pack	NiCd 6V/2Ah
Turn-on-time (control unit)	less than 0,3 sec.
	24 h
Light output (emergency function)	approx. 20 % (for one tube)
Operating time (emergency function)	approx. 1 h
Luminous flux / lm (approx.)	5.800
Capacity (approx.)	110W
Equivalent bulb of	500W
Burning lifetime	8.000h
Dimensions in mm	485x145x190
Weight (approx.)	3,5 kg
Voltage	230V/50Hz
Protection class	IP54
Item number	14 10230362



Type	2x18W-12V/DC
Capacity	2x18W
Input voltage	12VDC
Input current	3,1A
Front glass	fluted
Weight	1,9 kg
Protection class	IP44
Connecting cable	H07RN 2x1 qmm
Special feature	additional socket outlet
Operating time with PB3 battery pack approx.	2,25 h
Item number	14 10012181



Type	2x36W/E with integrated dimmer	2x55W/E with integrated dimmer	2x18W Airliner
Light source TCL/840	2x36W/E	2x55W/E	2x18W
Ballast	electronic ballast - using an integrated or separate dimmer the light can be dimmed providing only 3 % of the original light output (Please contact us for more information on separate dimmers!)		electronic
Luminous flux / Lm (approx.)	5.800	9.600	2.400
Capacity (approx.)	72W	110W	50W
Equivalent bulb of (approx.)	500W	750W	200W
Burning lifetime	10.000h	10.000h	8.000h
Dimensions in mm	485x145x190	610x145x190	320x145x190
Weight (approx.)	2,65 kg	3,55 kg	2,05 kg
Voltage	230V/50Hz	230V/50Hz	115V/400Hz
Protection class	IP54	IP54	IP54
Item number	14 10230363	14 10230553	14 10115181

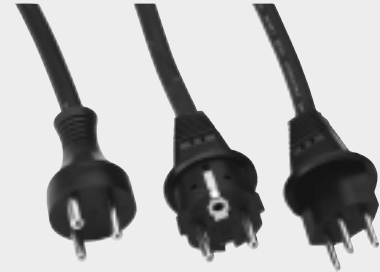
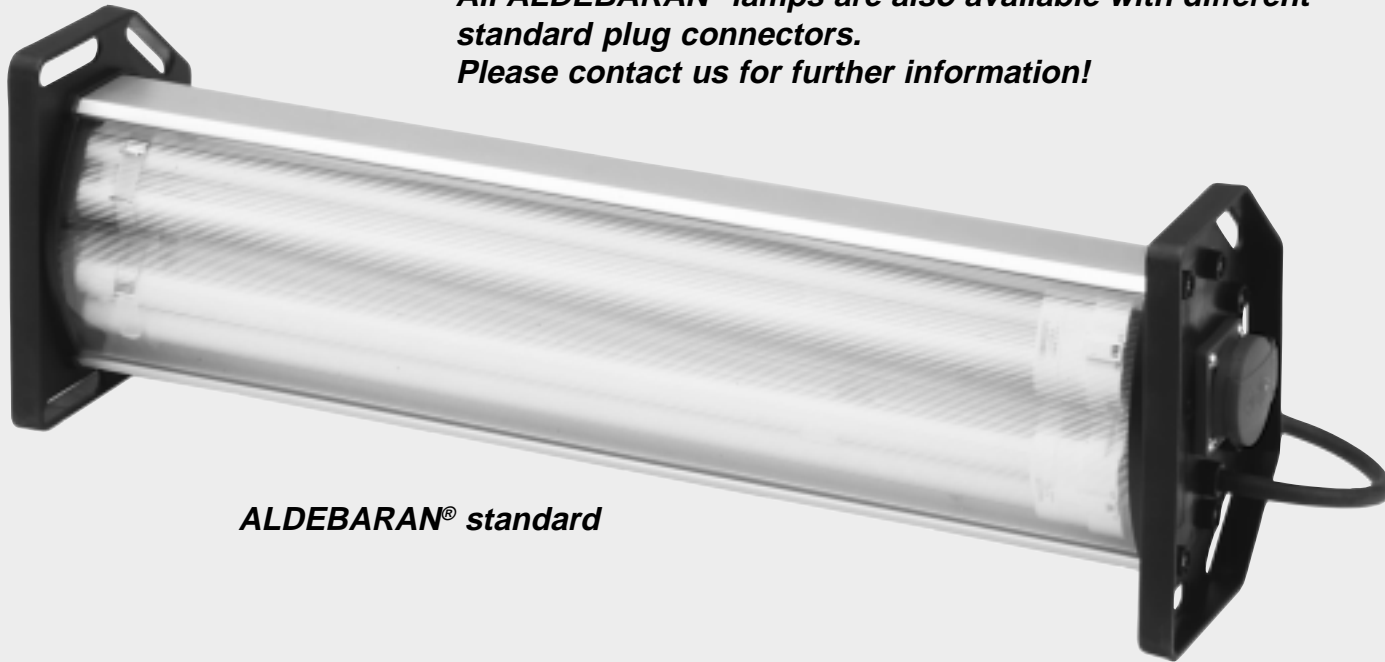


Type	2x55W/E NATO	2x55W/E NATO with integrated dimmer
Light source TCL/840	2x55W/E	2x55W/E
Ballast	electronic	electronic ballast - using an integrated or separate dimmer the light can be dimmed providing only 3 % of the original light output. (Please contact us for more information on separate dimmers!)
Luminous flux / Lm (approx.)	9.600	9.600
Capacity (approx.)	110W	110W
Equivalent bulb of	750W	750W
Burning lifetime	10.000h	10.000h
Dimensions in mm	610x145x190	610x145x190
Weight (approx.)	3,2 kg	3,55 kg
Voltage	230V/50Hz	230V/50Hz
Protection class	IP54	IP54
Protection class for plugs and sockets	IP68	IP68
Item number:	14 10230155	14 10230554



***All ALDEBARAN® lamps are also available with different
standard plug connectors.
Please contact us for further information!***

ALDEBARAN® standard



Do you require a special lighting system?

***We design your ALDEBARAN[®] lamp
according to your specifications!***

Tripods and support stands

Pneumatic Lighting Mast with Hand Pump

Made of anodised aluminium tubes, 2 mm thick. This model is available in different heights, from 3,5 m up to 14 m. The stand is operated by a hand pump or compressed air. The different sections of the mounting stand can be locked separately.



Our standard model, type CPHP 1990

Max. height:	4.500 mm
Min. height:	1.450 mm
Sections:	4 pieces
Top weight:	15 kg
Max. wind speed:	100 km/h
Weight:	7 kg

The mast comes completely assembled with hand pump and mounting devices (for mounting on vehicles etc.), tripod and ALDEBARAN® lamps are not included.

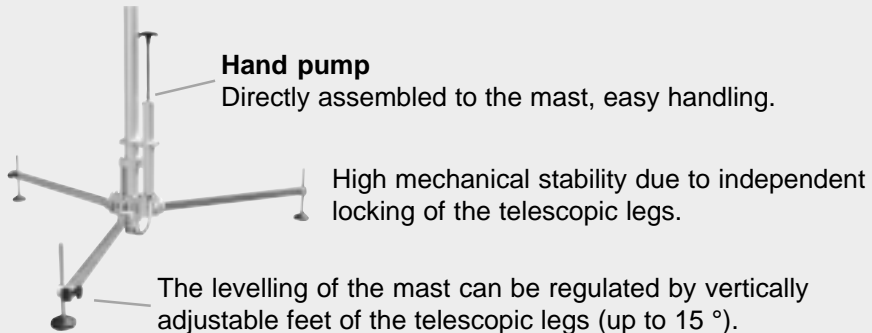
Item number: 14 10000500

**Further models on request
(for example specially designed models for Nato)**

Tripod stand

Leg length: 850 mm
Weight: approx. 10 kg
Material: zinc-plated galvanized rectangular aluminium tubes

Item number: 14 10000510



Mounting rail designed for mounting four ALDEBARAN® lamps.

Finish: aluminium,
pivots galvanised.

Item number: 14 10002003



Mounting device for ALDEBARAN® lamps, fully assembled fixture with mounting brackets and fitting clamp joint.

Finish: galvanised

Item number: 14 10002002



Support stand with 4 feet

Feet made of yellow tempered zinc-plated rectangular tubes, vertically adjustable. With mounting base for plugging the stand on concrete or suchlike hard material. Slide-in bar made of yellow tempered zinc-plated tubes with slotted fixing plate.

Max. height: 2,1 m

Different heights on request!

Item number: 14 10000301

Support stand with swivelling castors (for use in workshops)

Made of powder coated tubes, with five equal castors, a round plastic tray, an adjustable metal plate for mounting a magnetic base and a metal plate on top of the slide-in bar.

Max. height: 1,7 m

Item number: 14 10000320

Accessories



**Multi-purpose mounting device with
fixing screws**

for support stand

Item number: 14 10993415



Velcro fastener (strap)

for attaching lighting systems to tent-
poles

1 unit = 2 pieces

Item number: 14 10000204



**Magnetic mounting device with fixing
screws**

for support stand with swivelling castors
(for use in workshops)

Item number: 14 10993416



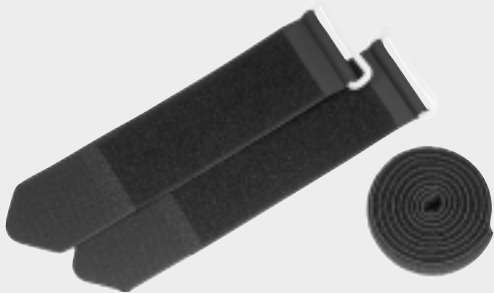
Nylon fixing strap

with metal safety mechanism
against unintentional opening.

1 unit = 2 pieces

Item number: 14 10920033

***Further mounting devices,
for example for applications of the
Federal Armed Forces***



Velcro fastener for attaching
lighting systems to tent-poles.



Nylonfixing strap with
safety mechanism against
unintentional opening.

Military applications



