



Lucid clean conversion set

Clean room luminiare

With the lucid clean conversion set, existing clean room lights can be converted to LED lighting, with little effort. This only requires the replacement of the previous lighting support plate. The conversion set consists of LED modules, support plate and electronic ballast system, as well as an optional diffuser.

Depending on the type of luminaire, the LED module can be mounted into the casing with or without screws. The previous lighting case, as well as the IP-protection class, remain unchanged and existing ballasts can remain in the lamp. Existing ballasts can remain in the luminaire but must be disconnected from the power supply.

Optimising energy consumption and energy costs:

The Lucid clean conversion sets allows for savings in operating costs due to its low energy consumption and very long lifespan of its LEDs, which in turn also contributes to reducing CO2 emissions.

Scope of application:

The LED conversion sets are suitable for the most common clean room-lighting, with fluorescent lamps in square, rectangular and oblong formats. LEDs of the latest generation are deployed as lighting. Special sizes are implementable, even in the case of smaller quantities, due to the modular construction of the conversion sets.

Luminous flux	up to 11,500 lm
Luminous efficacy	up to 170 lm/W
CRI / Ra	Ra > 80
Colour temperature	4,000 K
Beam angle	120°



Advantages:

- Easy installation without contamination of the clean room area
- LED life-cycle 60,000 hours
- Up to 60% savings in energy costs
- Clean-room qualification remains valid
- Light weight
- High-performance ballast
- Optional CLO (Constant Lumen Output)
- Emergency lighting solution optional
- Made in Germany



Item No.	Beam angle	Colour temperature	CCT (K)	Luminous flux / power
Lucid clean conversion set 56 W*				
on request	120°	normal white	4,000 K	10,000 lm / 56 W

Lucid clean conversion set 75 W*				
on request	120°	normal white	4,000 K	11,500 lm / 75 W

*Additional versions (inter alia 5,000 K & 3,000 K, PC amber or other power performances), longer delivery times, higher minimum orders, on request.

Product-Specifications | Lucid clean Umrüstsatz

General Information

Product family:	Lucid clean conversion set
EU 2013 label classification:	A ++
Use with/ ambient temperature:	-25 °C to + 50 °C (internal luminaire temperatures)
Material carrier plate:	Powder-coated aluminum, RAL 9010
Certification:	CE (power supply: ENEC)
LED Life time prediction:	60,000 h (L80, tc = 65 °C), (L70, tc = 75 °C)
Dimensions:	individual (L x B x H)
Net weight:	~ 1,400 g
Packaging unit:	10

Photometric properties

Colour Rendering Index:	Ra > 80
Luminous efficacy:	up to 170 lm/W

Electrical specifications

Power:	56 W / 75 W (further on request)
Mains voltage:	220 - 240 V ~
Frequency:	50/60 Hz
Current consumption:	0.24 A (56 W) / 0.33 A (75 W)
Protection class:	I
Ballast:	BAG 100 W, DALI, Non-SELV
Driver efficiency:	92 % eff.
Stand-by:	0.3 W
LED Life time prediction ballast:	50,000 h (Tc 75 °C, default rate ≤ 10 %) 60,000 h (Tc 65 °C, default rate ≤ 10 %)

Optional

CLO (Constant Lumen Output)
Temperature management
Manual switch dimming
Dimming - DALI

Dimensions (Example)

