

Lighting systems - IP 65 clean room illuminators with LED illuminator unit



Hardly any other area demands such complex lighting solutions as the healthcare sector. High-quality lighting conditions are necessary for a secure and ergonomic implementation of patient care in hospitals. The greatest challenge in this respect is posed by the variety of the lighting. It is recognised that perfect lighting has a positive effect on the human body. With our lighting solutions we respond to the specific requirements

of our customers. HT lighting systems form the perfect supplement to the modular wall and ceiling system. LED modules with a total power of 95 W and 122 W are placed in a sheet steel housing without any additional covering profiles and installed flush with the ceiling. The glass covering enables both easy cleaning and an excellent level of hygiene.

Dimensions

Width	ceiling panel housing 625 mm illuminator body 350 mm
Length	1250 mm for 95 W LED illuminator unit 1550 mm for 122 W LED illuminator unit
Height	96 mm

Components

Ceiling panel housing	made of sheet steel white pre-coated 150µm similar to RAL 9016
Covering	4 mm single-pane safety glass (ESG) with magnetic catch
Electronic ballasts (EBs)	with dimming (DALI)
LED illuminator unit	comprising 5 respectively 6 LED modules per illuminator installation separately connected to two ballasts
Magnetic catch	6-point fixing enables quick lamp replacement

LED modules

Total power	95 W (for 5 modules each approx. 19 W)	122 W (for 6 modules each approx. 20 W)
Total luminous flux	7402 lm	9116 lm
Light yield	78 lm/W	74 lm/W
Service life	50000 hours	50000 hours
Colour temperature	4000 K	4000 K
Control system	dimnable to 1% via DALI	dimnable to 1% via DALI
Colour rendering index	> 90	> 90

Protection and safety

Protection class IP 65	protection against penetration from foreign elements
Clean room suitability	clean room class 3 - 9 (ISO) Fraunhofer IPA certificate
ENEC label	in accordance with ISO 9000