

Surface-mounted luminaire - Multilayer lighting technology - direct distribution

Sheet steel housing suitable, rectangular cross section; suitable for use in clean rooms and clean room areas per DIN 14644-1; manufactured per IPA provisions, as well as the directives for quality assurance GMP (Good Manufacturing Practice); Housing colour traffic white RAL 9016; Light distribution direct distribution by means of Multilayer lighting technology of PMMA, Using CDP micro prism pane and forward-scattering diffuser foil as multilayer technology, with clear cover made of laminated safety glass. Suitable for VDU workstations, $65^\circ < 3000 \text{ cd/m}^2$ omnidirectional glare reduction in accordance with current DIN-EN 12464-1 standard, UGR (4H/8H) 17.9. Integrated LED driver design.. Electrical connection and connection of control cable using 5-pole connection terminal with plug-in contacts; Luminous flux in emergency light mode 5799 lm. The aduna clean room luminaire is suitable for direct voltage (0/50Hz), emergency luminaires must have additional marking. Suitable for air purity class ISO 14644-1 Class 2 with excellent to very good results in terms of microbial metabolic potential and chemical resistance.

CHARACTERISTICS

Order number	62164016670
EAN number	4020863384525
Commodity code	94051190
Certification mark	IP 65, Protection class I, γ $65^\circ < 3000 \text{ cd/m}^2$, F, D, Clean room, HACCP DIN10500/Food/IFS/BRC, Indoor, CE
Impact resistance (IK rating)	IK07 (-20°C bis 35°C)
Ambient temperatur	ta -20°C to 35°C
Special properties	Ready for IoT
Warranty period	7 years
State funding programs	BEG - Federal funding for efficient buildings (valid only for Germany)

ELECTRICAL ENGINEERING

Controller	Electronic driver DALI2 (1 pcs.)
System output	48W
Mains voltage	230V/50Hz
Energy efficiency class/light source	C

LIGHTING TECHNOLOGY

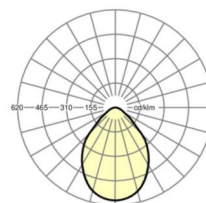
Placement	LED, Colour rendering/Light colour CRI ≥ 90 / 4000K
Colour tolerance (MacAdam)	3SDCM
Photobiological safety (Luminaire)	RG0
Nominal luminous flux	5799lm
Nominal luminous flux-emergency lighting mode	5799lm
LED service life	100000h L80/B10 (Tq 35°C), 50000h L90/B10 (Tq 25°C)
Luminaire luminous efficiency	120lm/W
UGR lat./long.	17.9 / 17.8

MECHANICS

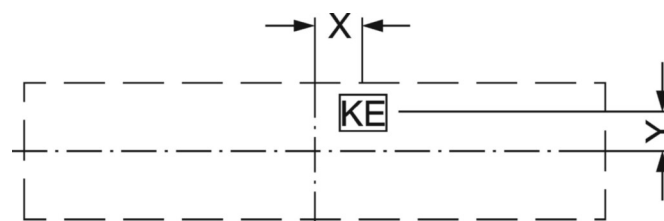
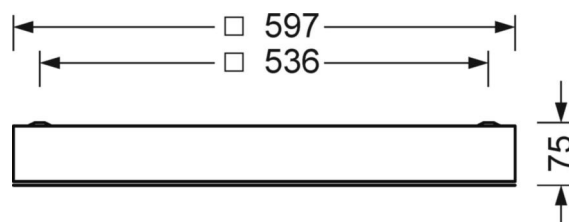
Housing colour	traffic white RAL 9016
Dimensions (LxWxH/DxH)	597mm x 597mm x 75mm
Ceiling system	cut-out ceilings [AD]
Weight (net)	10.9kg
Cable entry KE (X/Y)	279mm/17mm
Type of installation	Ceiling-mounted single installation, Ceiling-mounted trunking installation, Installation in clean room ceilings, Ceiling installation individual mounting

DEEP-LINK

<https://www.regiolux.de/en/article/62164016670>



Reference	LED 5800lm 940
η_{LB}	100 %
$\Phi \downarrow / \uparrow$	100 % / 0 %
UGR lat./long.	17.9 / 17.8
VDU	$65^\circ < 3000 \text{ cd/m}^2$



Dimensions

L	597 mm	Length
B	597 mm	Width
H	75 mm	Height
A1	536 mm	Mounting distance single mounting
X	279 mm	Distance cable infeed to the center of the luminaire on the X-axis
Y	17 mm	Distance cable infeed to the center of the luminaire on the Y-axis