

Clean room luminaire/recessed luminaire - Satin-finished diffuser - direct distribution

Sheet steel housing suitable for ceilings with visible T-rails, concealed symmetrical rail constructions and cut-out ceilings; the protection rating refers to the visible luminaire surface; 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; Direct diffuse light distribution using acrylic satin-finish diffuser with naturally anodised aluminium frame, neutral white light colour (840) with very good colour consistency and high colour rendering $Ra > 80$; Integrated LED driver design. Electrical connection and connection of control cable using 5-pole connection terminal with plug-in contacts; With changeover converter for emergency lighting operation on request. UBM universal fastening mechanism for concealed symmetrical rail constructions included in delivery. An extractor is included for prismatic and frosted panes to remove the sealing frame. UBM universal fastening mechanism for concealed symmetrical rail constructions included in delivery. 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	72560016613
EAN number	4020863330638
Commodity code	94051190
Certification mark	IP 54, Protection class I, F, Clean room, HACCP DIN10500/Food/IFS/BRC, Indoor, CE
Impact resistance (IK rating)	IK02
Ambient temperatur	ta 25°C
Special properties	Ready for IoT
Warranty period	5 years
State funding programs	BEG - Federal funding for efficient buildings (valid only for Germany)

ELECTRICAL ENGINEERING

Controller	Electronic driver DALI2 (1 pcs.)
System output	32W
Mains voltage	230V/50Hz
Circuit breakers (inrush current)	13 pieces/B10, 21 pieces/B16, 21 pieces/C10, 35 pieces/C16
Energy efficiency class/light source	C

LIGHTING TECHNOLOGY

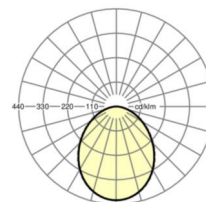
Placement	LED, Colour rendering/Light colour CRI ≥ 80 / 4000K
Colour tolerance (MacAdam)	3SDCM
Nominal luminous flux	4421lm
LED service life	50000h L80/B10 (Tq 25°C)
Luminaire luminous efficiency	136lm/W
UGR lat./long.	20.8 / 20.9

MECHANICS

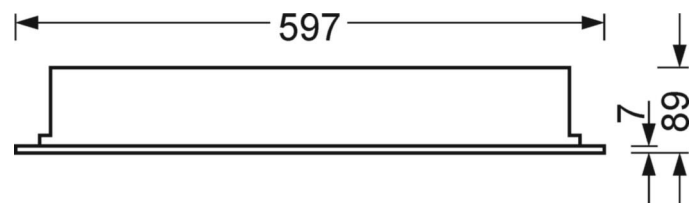
Housing colour	traffic white RAL 9016
Dimensions (LxWxD)	597mm x 597mm x 89mm
Depth	82mm
Ceiling system	Ceilings with visible T-rails [s-TS] (600x600 mm), Concealed symmetrical rail construction [VS] (600x600 mm), cut-out ceilings [AD]
Ceiling cut-out (LxW/D)	585mm x 585mm
Installation depth	150mm [AD]; 250mm [s-TS]; 150mm [s-TS] min; 150mm [VS]
Weight (net)	5.3kg
Type of installation	Installation in clean room ceilings, Ceiling installation individual mounting

DEEP-LINK

<https://www.regiolux.de/en/article/72560016613>



Reference	LED 4400lm 840
η_{LB}	100 %
$\Phi \downarrow / \uparrow$	100 % / 0 %
UGR lat./long.	20.8 / 20.9



Dimensions

L	597 mm	Length
B	597 mm	Width
H	89 mm	Height
T	82 mm	Depth
DA(L)	585 mm	Cutting dimension length
DA(B)	585 mm	Cutting dimension width
DS min	15 mm	Ceiling thickness minimum
DS max	40 mm	Ceiling thickness maximum
Et(min)	150 mm	Ceiling distance minimum - minimum dimension (visible T-rail)
Et(AD)	150 mm	Ceiling distance minimum (cut-out ceiling)
Et(TS)	250 mm	Ceiling distance minimum - recommended (visible T-rail)
Et(VS)	150 mm	Ceiling distance minimum (concealed symmetrical)
MLTS1	600 mm	Module dimension length (visible T-rail)
MLTS_1/2	600	Module dimension length (visible T-rail) 1/2
MLVS	600 mm	Module dimension length (concealed symmetrical)
MBTS1	600 mm	Module dimension width (visible T-rail)
MBTS_1/2	600	Module dimension width (visible T-rail) 1/2
MBVS	600 mm	Module dimension width (concealed symmetrical)