

Clean room luminaire/recessed luminaire - Micro-prismatic 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; clean rooms and clean room areas according to DIN 14644-1; simultaneous IPA certificated luminaires, tested for clean room systems per ISO CLASS1 as well as chemical and biological resistance down to individual component level; Housing colour traffic white RAL 9016; Light distribution direct distribution by means of Micro-prismatic diffuser of acrylic glass, with naturally anodised aluminium frame, neutral white light colour (840) with very good colour consistency and high colour rendering $R_a > 80$. 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) 18.9. Integrated LED driver design. Electrical connection via 3-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. An extractor is included for prismatic panes to remove the sealing frame. 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	72500014153
EAN number	4020863312771
Commodity code	94051190
Certification mark	IP 54, Protection class I, VDU $65^\circ < 3000$, F, IPA, Clean room, HACCP DIN10500/Food/IFS/BRC, Indoor, CE
Impact resistance (IK rating)	IK02
Ambient temperatur	ta 25°C
Warranty period	5 years
State funding programs	BEG - Federal funding for efficient buildings (valid only for Germany)

ELECTRICAL ENGINEERING

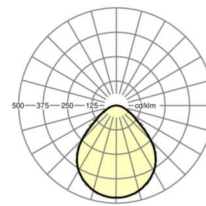
Controller	Electronic driver (1 pcs.)
System output	32W
Mains voltage	230V/50Hz
Circuit breakers (inrush current)	15 pieces/B10, 25 pieces/B16, 26 pieces/C10, 42 pieces/C16
Energy efficiency class/light source	C

LIGHTING TECHNOLOGY

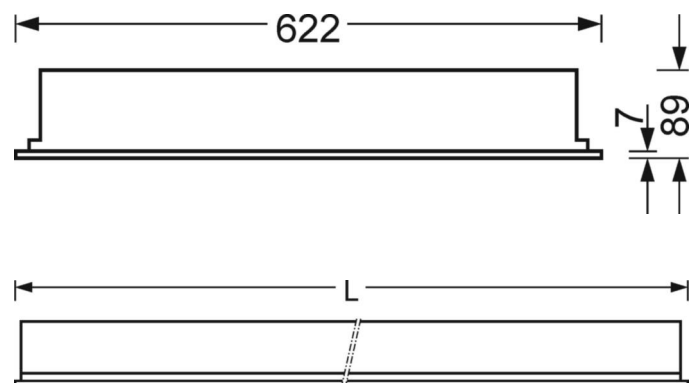
Placement	LED, Colour rendering/Light colour CRI $\geq 80 / 4000\text{K}$
Colour tolerance (MacAdam)	3SDCM
Nominal luminous flux	4355lm
LED service life	50000h L80/B10 (Tq 25°C)
Luminaire luminous efficiency	134lm/W
UGR lat./long.	18.5 / 18.9

DEEP-LINK

<https://www.regiolum.de/en/article/72500014153>



Reference	LED 4300lm 840
η_{LB}	100 %
$\Phi \downarrow / \uparrow$	100 % / 0 %
UGR lat./long.	18.5 / 18.9
VDU	$65^\circ < 3000 \text{ cd/m}^2$



MECHANICS

Housing colour	traffic white RAL 9016
Dimensions (LxWxH/DxH)	622mm x 622mm x 89mm
Depth	82mm
Ceiling system	Ceilings with visible T-rails [s-TS] (625x625 mm), Concealed symmetrical rail construction [VS] (625x625 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

Dimensions

L	622 mm	Length
B	622 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	625 mm	Module dimension length (visible T-rail)
MLTS_1/2	625	Module dimension length (visible T-rail) 1/2
MLVS	625 mm	Module dimension length (concealed symmetrical)
MBTS1	625 mm	Module dimension width (visible T-rail)
MBTS_1/2	625	Module dimension width (visible T-rail) 1/2
MBVS	625 mm	Module dimension width (concealed symmetrical)