protection IPA-PREMP/625 IP54 IPA LED 4300 840 • vw RAL 9016 • ET • 72500014153

REGIOLUX

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; Direct light distribution using microprismatic pane made of acrylic sheet with naturally anodised aluminium frame; neutral white light colour (840) with very good colour consistency and high colour rendering Ra>80 for VDU workstations, 65° < 3000 cd/m² with omnidirectional glare suppression according to current DIN-EN 12464-1 standard; 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°<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

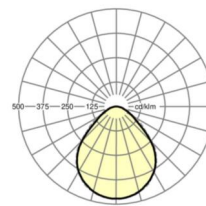|	
Controller	Electronic driver (1 pcs.)
System output	32W
Mains voltage	230V/50Hz
Circuit breakers (inrush current)	15 pieces/B10, 25 pieces/B16, 26 pieces/C10, 42 pieces/C16
Energy efficiency class/light source	C

LIGHTING TECHNOLOGY

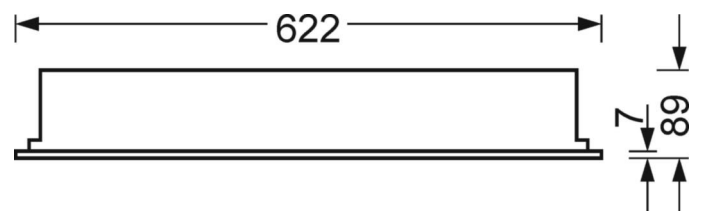|	
Placement	LED, Colour rendering/Light colour CRI ≥ 80 / 4000K
Colour tolerance (MacAdam)	3SDCM
Nominal luminous flux	4355lm
LED service life	50000h L80/B10 (Tq 25°C)
Luminaire luminous efficiency	134lm/W
UGR lat./long.	18.5 / 18.9

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

DEEP-LINK

Fraunhofer
TESTED DEVICE
IPA
REGIOLUX GmbH
PREMP/625 LED 4300 ET
Report No. RE 2011-1189

Reference	LED 4300lm 840
ηLB	100 %
Φ ↓/↑	100 % / 0 %
UGR lat./long.	18.5 / 18.9
VDU	65° < 3000cd/m²

622 | 7 | 89

L

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)