

Clean room luminaire/surface-mounted luminaire - Micro-prismatic diffuser - 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; Direct light distribution using microprismatic pane made of acrylic glass with naturally anodised aluminium frame; neutral white light colour (840) with very good colour consistency and high colour rendering $R_a > 80$ for VDU workstations, $65^\circ < 3000 \text{ cd/m}^2$ with omnidirectional glare suppression according to current DIN-EN 12464-1 standard; 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. An extractor is included for prismatic and frosted 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	62000016653
EAN number	4020863330676
Commodity code	94051190
Certification mark	IP 54, Protection class I, VDU $65^\circ < 3000$, F, Clean room, HACCP DIN10500/Food/IFS/BRC, Indoor, CE
Impact resistance (IK rating)	IK03
Ambient temperatur	$t_a 25^\circ\text{C}$
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	31W
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

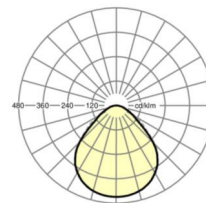
Placement	LED, Colour rendering/Light colour CRI $\geq 80 / 4000\text{K}$
Colour tolerance (MacAdam)	3SDCM
Nominal luminous flux	5116lm
LED service life	50000h L80/B10 ($T_q 25^\circ\text{C}$)
Luminaire luminous efficiency	165lm/W
UGR lat./long.	18.4 / 18.8

MECHANICS

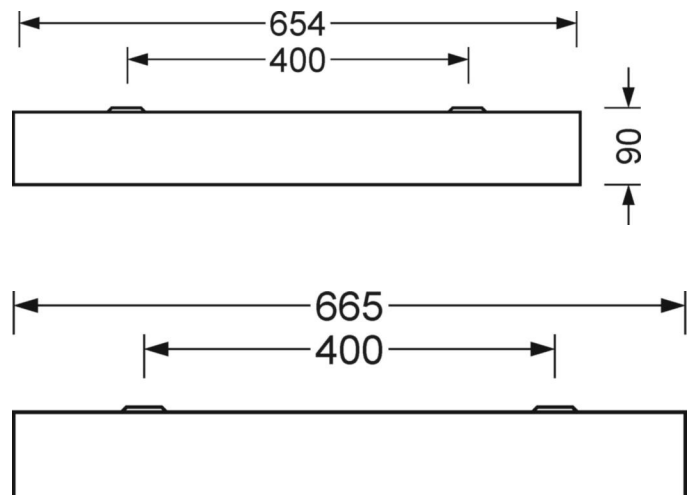
Housing colour	traffic white RAL 9016
Dimensions (LxWxDxH)	665mm x 654mm x 90mm
Weight (net)	7.9kg
Cable entry KE (X/Y)	0mm/15mm
Type of installation	Ceiling-mounted single installation

DEEP-LINK

<https://www.regiolux.de/en/article/62000016653>



Reference	LED 5000lm 840
η_{LB}	100 %
$\Phi_{\downarrow/\uparrow}$	100 % / 0 %
UGR lat./long.	18.4 / 18.8
VDU	$65^\circ < 3000\text{cd/m}^2$



Dimensions

L	665 mm	Length
B	654 mm	Width
H	90 mm	Height
A1	400 mm	Mounting distance single mounting
A4	400 mm	Mounting distance (width)
X	0 mm	Distance cable infeed to the center of the luminaire on the X-axis
Y	15 mm	Distance cable infeed to the center of the luminaire on the Y-axis

