

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; 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) 18.8. 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

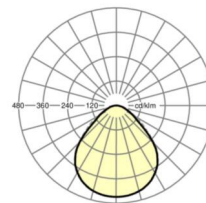
Placement	LED, Colour rendering/Light colour CRI $\geq 80$ / 4000K
Colour tolerance (MacAdam)	3SDCM
Nominal luminous flux	5116lm
LED service life	50000h L80/B10 ( $T_q 25^\circ\text{C}$ )
Luminaire luminous efficiency	165lm/W
UGR lat./long.	18.4 / 18.8

## MECHANICS

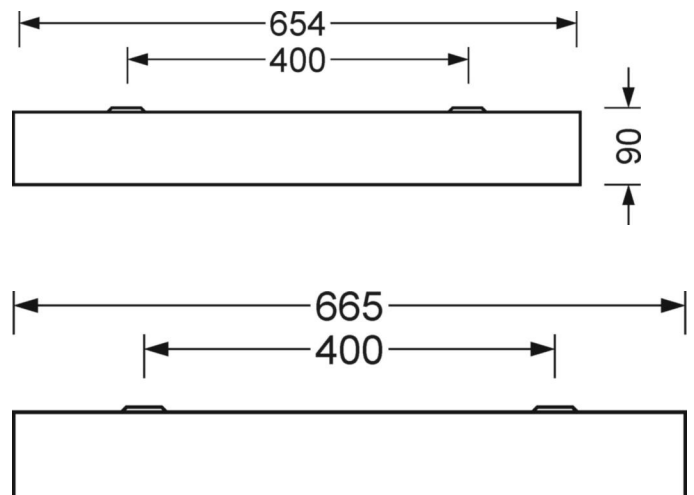
Housing colour	traffic white RAL 9016
Dimensions (LxWxDxH)	665mm x 654mm x 90mm
Weight (net)	7.9kg
Cable entry KE (X/Y)	0mm/15mm
Type of installation	Ceiling-mounted single installation

## DEEP-LINK

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



Reference	LED 5000lm 840
$\eta_{LB}$	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

