

Surface-mounted luminaire - Micro-prismatic diffuser bottom / top clear - direct distribution / indirect distribution for ceiling lighting

Ultra-flat luminaire housing design, painted extruded aluminium profile, visible installation height 10/24mm; Housing colour black RAL 9005; Light distribution direct distribution / indirect distribution for ceiling lighting by means of Micro-prismatic diffuser bottom / top clear of PMMA, Long-term UV-resistant, homogeneous light emission through lateral LED light coupling in highly efficient light guide pane and semi-diffuse white reflective layers, with special precision technology for defined ceiling brightening. 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) 16.8. Integrated LED driver design. Electrical connection and connection of control cable using 5-pole connection terminal with plug-in contacts. Ceiling attachment rails required for mounting are included in the scope of delivery.

CHARACTERISTICS

Order number	46305026174
EAN number	4020863380695
Commodity code	94051190
Certification mark	IP 20, Protection class I, VDU $65^\circ < 3000$, F, 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	48W
Mains voltage	230V/50Hz
Circuit breakers (inrush current)	12 pieces/B10, 20 pieces/B16, 21 pieces/C10, 33 pieces/C16
Energy efficiency class/light source	D

LIGHTING TECHNOLOGY

Placement	LED, Colour rendering/Light colour CRI $\geq 80 / 3000\text{K}$
Colour tolerance (MacAdam)	3SDCM
Nominal luminous flux	5932lm
LED service life	50000h L90/B10 (Tq 25°C)
Luminaire luminous efficiency	125lm/W
UGR lat./long.	16.8 / 16.1

MECHANICS

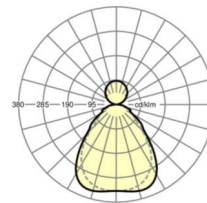
Housing colour	black RAL 9005
Dimensions (LxWxDxH)	1558mm x 321mm x 39mm
Weight (net)	5.94kg
Cable entry KE (X/Y)	0mm/0mm
Type of installation	Ceiling-mounted single installation

Dimensions

L	1558 mm	Length
B	321 mm	Width
H	39 mm	Height
A1	900 mm	Mounting distance single mounting
X	0 mm	Distance cable infeed to the center of the luminaire on the X-axis
Y	0 mm	Distance cable infeed to the center of the luminaire on the Y-axis

DEEP-LINK

<https://www.regiolux.de/en/article/46305026174>



Reference	LED 5900lm 830
η_{LB}	100 %
$\Phi_{\downarrow/\uparrow}$	74 % / 26 %
UGR lat./long.	16.8 / 16.1
VDU	$65^\circ < 3000\text{cd/m}^2$

