

Surface-mounted luminaire - Micro-prismatic diffuser - direct distribution / indirect distribution for ceiling lighting - homogeneous light output through LED edge light injection

Ultra-flat luminaire housing, extruded aluminium profile, naturally anodised, visible installation height 30 mm; end faces and side parts made of naturally anodised aluminium with continuous longitudinal groove, rounded towards the bottom of the luminaire. Housing colour natural anodised aluminum; Light distribution direct distribution / indirect distribution for ceiling lighting by means of Micro-prismatic diffuser of PMMA, homogeneous light emission through lateral LED light coupling and fitted aluminium reflector in a highly reflective white coating, with micro-perforation for a moderate ceiling illumination. 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) 17.3. Two integrated DALI LED drivers device type 8 (DT8). Electrical connection and connection of control cable using 5-pole connection terminal with plug-in contacts. Ceiling mounting brackets for simple clip assembly are included in the scope of delivery. Luminaire with Tunable White continuously adjustable colour temperatures, for implementing human-centric daylight simulations (HCL).

CHARACTERISTICS

Order number	43324016975
EAN number	4020863329717
Commodity code	94051190
Certification mark	IP 20, Protection class I, VDU $65^\circ < 3000$, F, HCL, Indoor, CE
Impact resistance (IK rating)	IK03
Ambient temperatur	ta 25°C
Special properties	Ready for IoT
Warranty period	5 years

ELECTRICAL ENGINEERING

Controller	Electronic driver DALI device type 8 (1 pcs.)
System output	45W
Mains voltage	230V/50Hz
Circuit breakers (inrush current)	7 pieces/B10, 11 pieces/B16, 11 pieces/C10, 18 pieces/C16
Energy efficiency class/light source	E

LIGHTING TECHNOLOGY

Placement	LED, Colour rendering/Light colour CRI ≥ 90 / 2700K-6500K continuously adjustable
Colour tolerance (MacAdam)	3SDCM
Nominal luminous flux	3710lm
LED service life	50000h L80/B10 (Tq 25°C)
Luminaire luminous efficiency	82lm/W
UGR lat./long.	17.1 / 17.3

MECHANICS

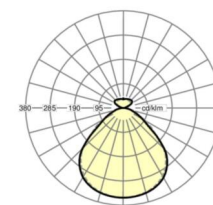
Housing colour	natural anodised aluminum
Dimensions (LxWxH/DxH)	1199mm x 330mm x 42mm
Weight (net)	7.6kg
Cable entry KE (X/Y)	0mm/0mm
Type of installation	Ceiling-mounted single installation

Dimensions

L	1199 mm	Length
B	330 mm	Width
H	42 mm	Height
A1	700 mm	Mounting distance single mounting
A4	230 mm	Mounting distance (width)
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.regiolum.de/en/article/43324016975>



Reference	LED 3700lm 927-965
η_{LB}	100 %
$\Phi \downarrow/\uparrow$	84 % / 16 %
UGR lat./long.	17.1 / 17.3
VDU	$65^\circ < 3000 \text{ cd/m}^2$

