

Recessed luminaire - Micro-prismatic diffuser - direct distribution

Suitable for ceilings with visible T-bars; flat aluminium frame, powered white; steel plate housing; Housing colour traffic white RAL 9016; LED backlight light technology; direct light distribution using non-yellowing microprismatic PMMA diffuser and single lenses, ideal for VDU workstations, UGR19, $65^\circ < 3000 \text{ cd/m}$ omnidirectional glare reduction in accordance with current DIN-EN 12464-1 standard; DALI LED driver type 8 (DT8) integrated; Flexible 40cm long connecting cable wired to the luminaire via a plug system ready for operation. Protection rating: IP20/IP40 (room). Accessories: for installation in cut-out ceilings, installation frame 60140003100

CHARACTERISTICS

Order number	60144036950
EAN number	4020863446438
Commodity code	94051190
Certification mark	IP 40/20, Protection class II, VDU 65° < 3000, F, Indoor, CE
Impact resistance (IK rating)	IK02 (-10°C bis 40°C)
Ambient temperatur	ta -10°C to 40°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 DALI device type 8 (1 pcs.)
System output	36W
Mains voltage	230V/50Hz
Circuit breakers (inrush current)	10 pieces/B10, 16 pieces/B16, 16 pieces/C10, 26 pieces/C16
Energy efficiency class/light source	C

LIGHTING TECHNOLOGY

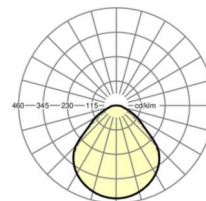
Placement	LED, Colour rendering/Light colour CRI \geq 80 / 2700K-6500K continuously adjustable
Colour tolerance (MacAdam)	3SDCM
Nominal luminous flux	4286lm
LED service life	50000h L80/B10 (Tq 40°C/do not cover with insulation wool)
Luminaire luminous efficiency	120lm/W
UGR lat./long.	19.0 / 19.1

MECHANICS

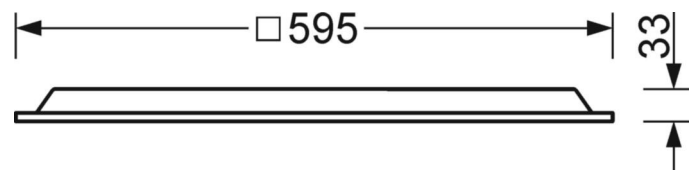
Housing colour	traffic white RAL 9016
Dimensions (LxWxDxH)	595mm x 595mm x 33mm
Depth	33mm
Ceiling system	Ceilings with visible T-rails [s-TS] (600x600 mm), cut-out ceilings [AD]
Ceiling cut-out (LxW/D)	623mm x 623mm (when using accessory mounting frame)
Installation depth	145mm [AD]; 145mm [s-TS]; 115mm [s-TS] min
Weight (net)	2.2kg
Type of installation	Recessed mounting, Ceiling installation individual mounting, Ceiling-mounted single installation

DEEP-LINK

<https://www.regiolum.de/en/article/60144036950>



Reference	LED 4300lm 827-865
η_{LB}	100 %
$\Phi_{\downarrow/\uparrow}$	100 % / 0 %
UGR lat./long.	19.0 / 19.1
VDU	$65^\circ < 3000 \text{ cd/m}^2$



Dimensions

L	595 mm	Length
B	595 mm	Width
H	33 mm	Height
T	33 mm	Depth
DA(L)	623 mm	Cutting dimension length
DA(B)	623 mm	Cutting dimension width
Et(min)	115 mm	Ceiling distance minimum - minimum dimension (visible T-rail)
Et(AD)	145 mm	Ceiling distance minimum (cut-out ceiling)
Et(TS)	145 mm	Ceiling distance minimum - recommended (visible T-rail)
MLTS1	600 mm	Module dimension length (visible T-rail)
MLTS_1/2	600	Module dimension length (visible T-rail) 1/2
MBTS1	600 mm	Module dimension width (visible T-rail)
MBTS_1/2	600	Module dimension width (visible T-rail) 1/2
KL	144 mm	Length luminaire head or box for ballasts
KB	42 mm	Width luminaire head or box for ballasts
KH	29 mm	Height luminaire head or box for ballasts

