

Recessed luminaire - Micro-prismatic diffuser - direct distribution

Sheet steel housing suitable for ceilings with visible T-rails, concealed symmetrical rail constructions and recessed ceilings; Housing colour traffic white RAL 9016; Direct light distribution using microprismatic pane made of PMMA, a soft light shines through frosted diffusers; 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.; Electrical connection via 5-pole connection terminal with plug-in contacts.; Luminaire status by visible status LED in luminaire (NL-B3); Luminous flux in emergency light mode 467 lm. TNE-BM mounting mechanism 4 pcs. 600/625 for concealed symmetrical rail constructions or recessed ceilings, please order separately.

CHARACTERISTICS

Order number	50801117770
EAN number	4020863356317
Commodity code	94051190
Certification mark	IP 20, Protection class I, VDU $65^\circ < 3000$, F, F-"roof" mark, Indoor, CE
Impact resistance (IK rating)	IK02
Ambient temperatur	$t_a 25^\circ\text{C}$
Warranty period	5 years

ELECTRICAL ENGINEERING

Controller	Electronic driver 3h emergency lighting (1 pcs.)
System output	35W
Mains voltage	230V/50Hz
Energy efficiency class/light source	C

LIGHTING TECHNOLOGY

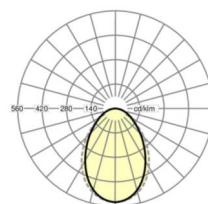
Placement	LED, Colour rendering/Light colour $\text{CRI} \geq 80 / 4000\text{K}$
Colour tolerance (MacAdam)	3SDCM
Photobiological safety (Luminaire)	RG0
Nominal luminous flux	4015lm
Nominal luminous flux-emergency lighting mode	467lm
LED service life	50000h L80/B10 ($T_q 25^\circ\text{C}$)
Luminaire luminous efficiency	116lm/W
UGR lat./long.	18.6 / 18.9

MECHANICS

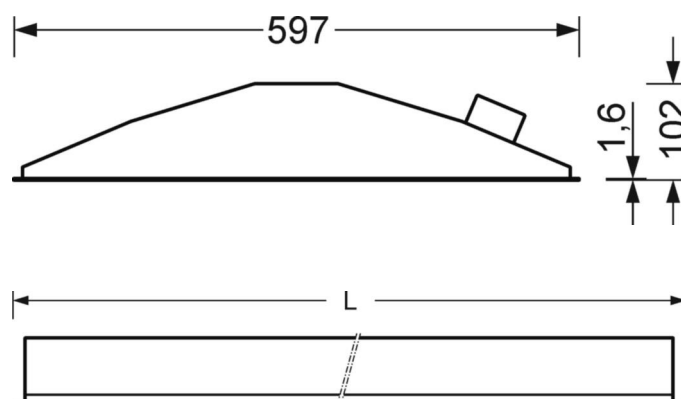
Housing colour	traffic white RAL 9016
Dimensions (LxWxH/DxH)	597mm x 597mm x 102mm
Depth	100mm
Ceiling system	Ceilings with visible T-rails [s-TS] (600x600 mm), Concealed symmetrical rail construction [VS] (600x600 mm), cut-out ceilings [AD]
Ceiling cut-out (LxW/D)	585mm x 591mm
Installation depth	120mm [AD]; 250mm [s-TS]; 120mm [VS]
Weight (net)	5.3kg
Type of installation	Recessed mounting, Ceiling installation individual mounting

DEEP-LINK

<https://www.regiolux.de/en/article/50801117770>



Reference	LED 4000lm 840
η_{LB}	100 %
$\Phi_{\downarrow/\uparrow}$	100 % / 0 %
UGR lat./long.	18.6 / 18.9
VDU	$65^\circ < 3000\text{cd/m}^2$



Dimensions

L	597 mm	Length
B	597 mm	Width
H	102 mm	Height
T	100 mm	Depth
DA(L)	585 mm	Cutting dimension length
DA(B)	591 mm	Cutting dimension width
Et(AD)	120 mm	Ceiling distance minimum (cut-out ceiling)
Et(TS)	250 mm	Ceiling distance minimum - recommended (visible T-rail)
Et(VS)	120 mm	Ceiling distance minimum (concealed symmetrical)
MLTS1	600 mm	Module dimension length (visible T-rail)
MLTS_1/2	600	Module dimension length (visible T-rail) 1/2
MLVS	600 mm	Module dimension length (concealed symmetrical)
MBTS1	600 mm	Module dimension width (visible T-rail)
MBTS_1/2	600	Module dimension width (visible T-rail) 1/2
MBVS	600 mm	Module dimension width (concealed symmetrical)
