

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  $Ra > 80$  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 491 lm. TNE-BM mounting mechanism 4 pcs. 300/312 for concealed symmetrical rail constructions or recessed ceilings, please order separately.

## CHARACTERISTICS

Order number	50803117770
EAN number	4020863356331
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
State funding programs	BEG - Federal funding for efficient buildings (valid only for Germany)

## ELECTRICAL ENGINEERING

Controller	Electronic driver 3h emergency lighting (1 pcs.)
System output	33W
Mains voltage	230V/50Hz
Circuit breakers (inrush current)	8 pieces/B10, 16 pieces/B16, 16 pieces/C10, 32 pieces/C16
Energy efficiency class/light source	C

## LIGHTING TECHNOLOGY

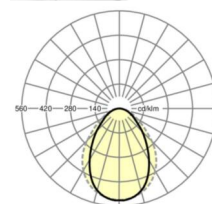
Placement	LED, Colour rendering/Light colour $\text{CRI} \geq 80 / 4000\text{K}$
Colour tolerance (MacAdam)	3SDCM
Photobiological safety (Luminaire)	RGO
Nominal luminous flux	3986lm
Nominal luminous flux-emergency lighting mode	491lm
LED service life	50000h L80/B10 ( $T_q 25^\circ\text{C}$ )
Luminaire luminous efficiency	121lm/W
UGR lat./long.	17.8 / 19.1

## MECHANICS

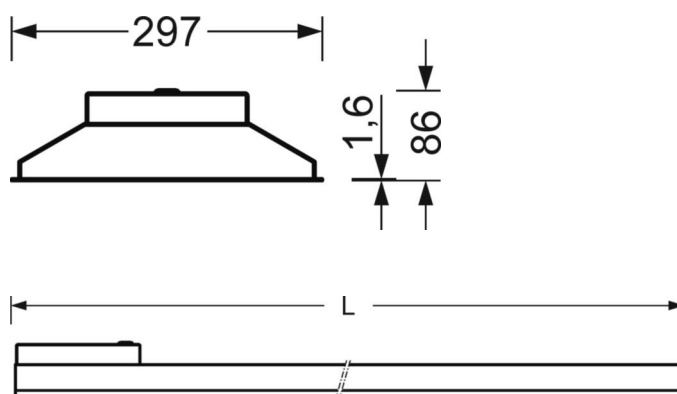
Housing colour	traffic white RAL 9016
Dimensions (LxWxDxH)	1197mm x 297mm x 86mm
Depth	84mm
Ceiling system	ceilings with visible T-rails [s-TS] (300x1200 mm), Concealed symmetrical rail construction [VS] (300x1200 mm), cut-out ceilings [AD]
Ceiling cut-out (LxW/D)	285mm x 1188mm
Installation depth	100mm [AD]; 250mm [s-TS]; 150mm [VS]
Weight (net)	6kg
Type of installation	Recessed mounting, Ceiling installation individual mounting

## DEEP-LINK

<https://www.regiolum.de/en/article/50803117770>



Reference	LED 3900lm 840
$\eta_{LB}$	100 %
$\Phi_{\downarrow/\uparrow}$	100 % / 0 %
UGR lat./long.	17.8 / 19.1
VDU	$65^\circ < 3000\text{cd/m}^2$



## Dimensions

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<b>L</b>	1197 mm	Length
<b>B</b>	297 mm	Width
<b>H</b>	86 mm	Height
<b>T</b>	84 mm	Depth
<b>DA(L)</b>	285 mm	Cutting dimension length
<b>DA(B)</b>	1188 mm	Cutting dimension width
<b>Et(AD)</b>	100 mm	Ceiling distance minimum (cut-out ceiling)
<b>Et(TS)</b>	250 mm	Ceiling distance minimum - recommended (visible T-rail)
<b>Et(VS)</b>	150 mm	Ceiling distance minimum (concealed symmetrical)
<b>MLTS1</b>	1200 mm	Module dimension length (visible T-rail)
<b>MLTS_1/2</b>	1200	Module dimension length (visible T-rail) 1/2
<b>MLVS</b>	1200 mm	Module dimension length (concealed symmetrical)
<b>MBTS1</b>	300 mm	Module dimension width (visible T-rail)
<b>MBTS_1/2</b>	300	Module dimension width (visible T-rail) 1/2
<b>MBVS</b>	300 mm	Module dimension width (concealed symmetrical)

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