

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; Light distribution direct distribution by means of Micro-prismatic diffuser 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. 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) 18.7. Electrical connection via 3-pole connection terminal with plug-in contacts.; With changeover converter for emergency lighting operation on request. TNE-BM mounting mechanism 6 pcs. 1200/1250 for concealed symmetrical rail constructions or recessed ceilings, please order separately.

CHARACTERISTICS

| | |
|-------------------------------|---|
| Order number | 50806114170 |
| EAN number | 4020863355709 |
| 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 | ta 25°C |
| Warranty period | 5 years |
| State funding programs | BEG - Federal funding for efficient buildings (valid only for Germany) |

ELECTRICAL ENGINEERING

| | |
|--------------------------------------|--|
| Controller | Electronic driver (1 pcs.) |
| System output | 58W |
| Mains voltage | 230V/50Hz |
| Circuit breakers (inrush current) | 15 pieces/B10, 24 pieces/B16, 25 pieces/C10, 40 pieces/C16 |
| Energy efficiency class/light source | C |

LIGHTING TECHNOLOGY

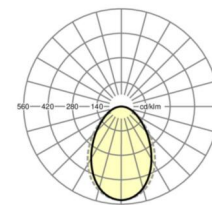
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|------------------------------------|---|
| Placement | LED, Colour rendering/Light colour CRI ≥ 80 / 4000K |
| Colour tolerance (MacAdam) | 3SDCM |
| Photobiological safety (Luminaire) | RG0 |
| Nominal luminous flux | 7737lm |
| LED service life | 50000h L80/B10 (Tq 25°C) |
| Luminaire luminous efficiency | 134lm/W |
| UGR lat./long. | 18.4 / 18.7 |

MECHANICS

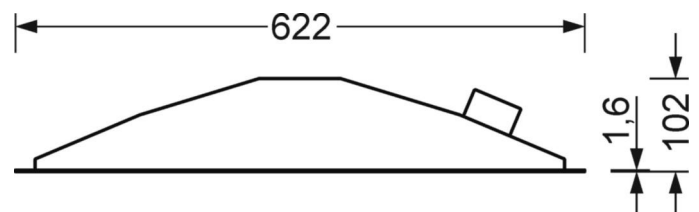
| | |
|-------------------------|---|
| Housing colour | traffic white RAL 9016 |
| Dimensions (LxWxH/DxH) | 1247mm x 622mm x 102mm |
| Depth | 100mm |
| Ceiling system | Ceilings with visible T-rails [s-TS] (625x1250 mm), Concealed symmetrical rail construction [VS] (625x1250 mm), cut-out ceilings [AD] |
| Ceiling cut-out (LxW/D) | 585mm x 1191mm |
| Installation depth | 120mm [AD]; 250mm [s-TS]; 150mm [VS] |
| Weight (net) | 10.4kg |
| Type of installation | Recessed mounting, Ceiling installation individual mounting |

DEEP-LINK

<https://www.regiolux.de/en/article/50806114170>



| Reference | LED 7300lm 840 |
|------------------------------|----------------------------------|
| η_{LB} | 100 % |
| $\Phi_{\downarrow/\uparrow}$ | 100 % / 0 % |
| UGR lat./long. | 18.4 / 18.7 |
| VDU | $65^\circ < 3000 \text{ cd/m}^2$ |



Dimensions

| | | |
|-----------------|---------|---|
| L | 1247 mm | Length |
| B | 622 mm | Width |
| H | 102 mm | Height |
| T | 100 mm | Depth |
| DA(L) | 585 mm | Cutting dimension length |
| DA(B) | 1191 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) | 150 mm | Ceiling distance minimum (concealed symmetrical) |
| MLTS1 | 1250 mm | Module dimension length (visible T-rail) |
| MLTS_1/2 | 1250 | Module dimension length (visible T-rail) 1/2 |
| MLVS | 1250 mm | Module dimension length (concealed symmetrical) |
| MBTS1 | 625 mm | Module dimension width (visible T-rail) |
| MBTS_1/2 | 625 | Module dimension width (visible T-rail) 1/2 |
| MBVS | 625 mm | Module dimension width (concealed symmetrical) |