

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; Including DALI driver, flicker $< 5\%$. Electric connection via connection box with $2 \times 0.5 \text{ mm}^2$ connection cable 150mm long including coupling connector, 5-pole plug-type terminal for cable cross-sections up to $5 \times 2.5 \text{ mm}^2$ and strain relief, suitable for feed-through wiring. Protection rating: IP20/IP40 room-side. Recommended accessories for the installation of cut-out ceilings LOE ES 312 60180003100;

CHARACTERISTICS

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|-------------------------------|---|
| Order number | 60184036650 |
| EAN number | 4020863448586 |
| Commodity code | 94051190 |
| Certification mark | IP 40/20, Protection class II, VDU $65^\circ < 3000$, F, Indoor, CE |
| Impact resistance (IK rating) | IK02 (-10°C bis 35°C) |
| Ambient temperatur | $t_a -10^\circ\text{C}$ to 35°C |
| Special properties | Ready for IoT |
| Warranty period | 5 years |

ELECTRICAL ENGINEERING

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|--------------------------------------|--|
| Controller | Electronic driver DALI2 (1 pcs.) |
| System output | 40W |
| Mains voltage | 230V/50Hz |
| Circuit breakers (inrush current) | 20 pieces/B10, 32 pieces/B16, 33 pieces/C10, 53 pieces/C16 |
| Energy efficiency class/light source | C |

LIGHTING TECHNOLOGY

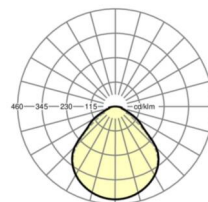
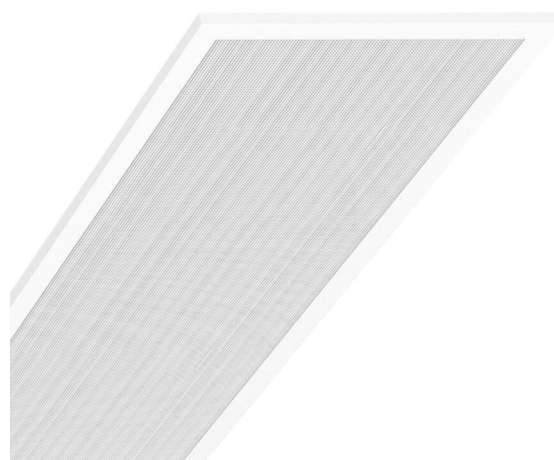
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|-------------------------------|---|
| Placement | LED, Colour rendering/Light colour CRI ≥ 80 / 4000K |
| Colour tolerance (MacAdam) | 3SDCM |
| Nominal luminous flux | 4777lm |
| LED service life | 50000h L80/B10 ($T_q 35^\circ\text{C}$ /do not cover with insulation wool) |
| Luminaire luminous efficiency | 119lm/W |
| UGR lat./long. | 19.6 / 19.5 |

MECHANICS

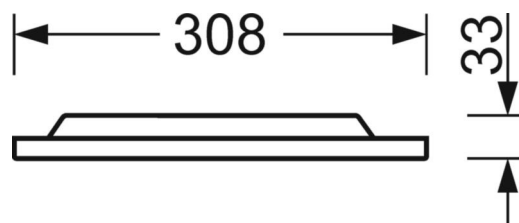
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|-------------------------|---|
| Housing colour | traffic white RAL 9016 |
| Dimensions (LxWxDxH) | 1250mm x 310mm x 35mm |
| Depth | 35mm |
| Ceiling system | ceilings with visible T-rails [s-TS] (312.5x1250 mm), cut-out ceilings [AD] |
| Ceiling cut-out (LxW/D) | 1220mm x 295mm |
| Installation depth | 145mm [AD]; 145mm [s-TS]; 115mm [s-TS] min |
| Weight (net) | 3.13kg |
| Type of installation | Recessed mounting, Ceiling installation individual mounting |

DEEP-LINK

<https://www.regiolum.de/en/article/60184036650>



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|------------------------------|----------------------------------|
| Reference | LED 4800lm 840 |
| η_{LB} | 100 % |
| $\Phi_{\downarrow/\uparrow}$ | 100 % / 0 % |
| UGR lat./long. | 19.6 / 19.5 |
| VDU | $65^\circ < 3000 \text{ cd/m}^2$ |



Dimensions

| | | |
|-----------------|---------|---|
| L | 1250 mm | Length |
| B | 310 mm | Width |
| H | 35 mm | Height |
| T | 35 mm | Depth |
| DA(L) | 1220 mm | Cutting dimension length |
| DA(B) | 295 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 | 1250 mm | Module dimension length (visible T-rail) |
| MLTS_1/2 | 1250 | Module dimension length (visible T-rail) 1/2 |
| MBTS1 | 312 mm | Module dimension width (visible T-rail) |
| MBTS_1/2 | 312 | 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 |

