

Surface-mounted luminaire - Micro-prismatic diffuser - direct distribution

Steel sheet enclosure, powder-coated rectangular cross-section, integrated Quicklock quick-mount bracket system with catch hook and safety rope for simple and quick mounting; Housing colour silver grey/white aluminium RAL 9006; Homogeneous direct light distribution for VDU-compatibility in accordance with DIN-EN 12464-1; glare reduction through microprism diffuser with special "multilayer" technology and optimised light deflecting foil; Easy installation of the connection, directly on the top of the luminaire with a terminal cover cap. Electrical connection via 5-pole connection terminal with plug-in contacts.. Light Control: netlife flex55; Regiolux Classification: netlife flex; Control signal: DALI broadcast, Radio; Number of control gear (max): 15; Communication: Bluetooth; Sensor technology: PIR - passive infrared; Installation height (min/max): 2m to 4m; Monitoring area: max. D=7m; App name: Hytronik Koolmesh; System compatibility: easy25, flex44, flex50, flex54, flex55, flex56; Note: Can be linked to further Hytronik Koolmesh controllers.; System extension: flex54, flex55; Application: Office, Corridors, Secondary rooms, Meeting rooms, Classrooms; Function: Motion detection, presence detection, Corridor function, Guided Light, HCL (only with DT8 luminaires), Tunable white (only with DT8 luminaires), Daylight control, Manual dimming. If required, an AVA-MH universal mounting aid is available as an accessory. Surface-mounted luminaire for ceiling installation;

CHARACTERISTICS

| | |
|-------------------------------|--|
| Order number | 65712056175 |
| EAN number | 4020863453450 |
| Commodity code | 94051190 |
| Certification mark | IP 20, Protection class I, VDU 65°<3000, F, Indoor, CE |
| Impact resistance (IK rating) | IK03 |
| Ambient temperatur | ta 25°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 (1 pcs.) |
| Light Control | netlife flex55 |
| System output | 51W |
| Mains voltage | 230V/50Hz |
| Circuit breakers (inrush current) | 13 pieces/B10, 24 pieces/B16, 25 pieces/C10, 40 pieces/C16 |
| Energy efficiency class/light source | C |

LIGHTING TECHNOLOGY

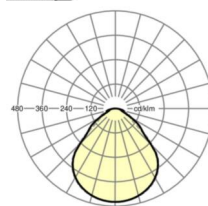
| | |
|------------------------------------|--|
| Placement | LED, Colour rendering/Light colour CRI ≥ 80 / 3000K |
| Colour tolerance (MacAdam) | 3SDCM |
| Photobiological safety (Luminaire) | RG0 |
| Nominal luminous flux | 6507lm |
| LED service life | 100000h L80/B10 (Tq 25°C), 50000h L90/B50 (Tq 25°C) |
| Luminaire luminous efficiency | 128lm/W |
| UGR lat./long. | 18.4 / 18.7 |

MECHANICS

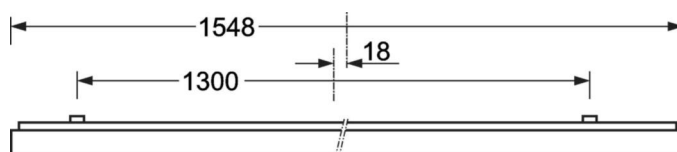
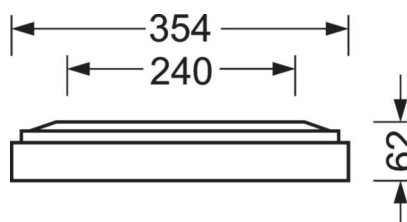
| | |
|----------------------|--|
| Housing colour | silver grey/white aluminium RAL 9006 |
| Dimensions (LxWxDxH) | 1548mm x 354mm x 62mm |
| Weight (net) | 9kg |
| Cable entry KE (X/Y) | 0mm/0mm |
| Type of installation | Ceiling-mounted single installation, Ceiling-mounted trunking installation, Mounting rail installation |

DEEP-LINK

<https://www.regiolux.de/en/article/65712056175>

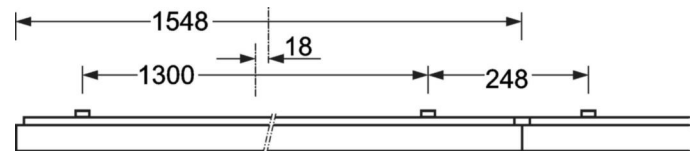


| Reference | LED 6500lm 830 |
|----------------|-----------------|
| ηLB | 100 % |
| Φ ↓/↑ | 100 % / 0 % |
| UGR lat./long. | 18.4 / 18.7 |
| VDU | 65° < 3000cd/m² |



Dimensions

| | | |
|----|---------|--|
| L | 1548 mm | Length |
| B | 354 mm | Width |
| H | 62 mm | Height |
| A1 | 1300 mm | Mounting distance single mounting |
| A3 | 248 mm | Mounting distance between luminaires in a light run arrangement |
| A4 | 240 mm | Mounting distance (width) |
| X | 0 mm | Distance cable infeed to the center of the luminaire on the X-axis |
| Y | 0 mm | Distance cable infeed to the center of the luminaire on the Y-axis |



LC SYSTEM

CHARACTERISTICS

| | |
|--------------------------------------|---|
| Regiolux Classification | netlife flex |
| Control signal | DALI broadcast, Radio |
| Number of control gear (max) | 15 |
| Communication | Bluetooth |
| Sensor technology | PIR - passive infrared |
| Installation height (min/max) | 2m to 4m |
| App name | Hytronik Koolmesh |
| System compatibility | easy25, flex44, flex50, flex54, flex55, flex56 |
| Note | Can be linked to further Hytronik Koolmesh controllers. |
| System extension | flex54, flex55 |
| Application | Office, Corridors, Secondary rooms, Meeting rooms, Classrooms |
| Function | Motion detection, presence detection, Corridor function, Guided Light, HCL (only with DT8 luminaires), Tunable white (only with DT8 luminaires), Daylight control, Manual dimming |

MONITORING AREA

| | | |
|-----------------------------|----|----|
| Mounting Height | 3m | 4m |
| Ø max. sitting[S] | 4m | - |
| Ø max. radial[R] | 4m | 4m |
| Ø max. tangential[T] | 7m | 7m |

