

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 traffic white RAL 9016; Micro prism pane in "multilayer" technology, Light distribution direct distribution by means of Micro-prismatic diffuser of PMMA, Homogeneous light distribution; glare reduction through micro prism pane with special "multilayer" technology and optimised light deflecting foil. 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) 18.5. Integrated DALI LED driver device type 8 (DT8). Easy installation of the connection, directly on the upper side of the luminaire with a terminal cover cap. Electrical connection via 5-pole connection terminal with plug-in contacts.. Light Control: netlife flex54; Regiolux Classification: netlife flex; Control signal: DALI broadcast, Radio; Number of control gear (max): 20; DALI-output nom.: 40mA; Communication: Bluetooth; Sensor technology: PIR - passive infrared; Installation height (min/max): 2m to 3m; Monitoring area: max. D=12m; 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, Daylight control, Corridor function, Guided Light, HCL (only with DT8 luminaires), Tunable white (only with DT8 luminaires), Manual dimming. If required, an AVA-MH universal mounting aid is available as an accessory. Surface-mounted luminaire for ceiling installation;; luminaire with tunable white continuously adjustable colour temperatures, for implementing daylight simulations with Human Centric Lighting (HCL).

CHARACTERISTICS

Order number	65712046170
EAN number	4020863453429
Commodity code	94051190
Certification mark	IP 20, Protection class I, VDU $65^\circ < 3000$, F, HCL, 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

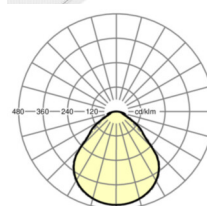
Controller	Electronic driver DALI device type 8 (1 pcs.)
Light Control	netlife flex54
System output	51W
Mains voltage	230V/50Hz
Circuit breakers (inrush current)	10 pieces/B10, 16 pieces/B16, 16 pieces/C10, 27 pieces/C16
Energy efficiency class/light source	E

LIGHTING TECHNOLOGY

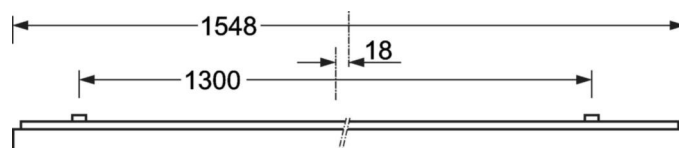
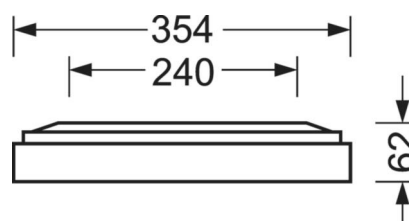
Placement	LED, Colour rendering/Light colour CRI ≥ 80 / 2700K-6500K continuously adjustable
Colour tolerance (MacAdam)	3SDCM
Photobiological safety (Luminaire)	RG0
Nominal luminous flux	6129lm
LED service life	100000h L80/B10 (Tq 25°C), 50000h L90/B50 (Tq 25°C)
Luminaire luminous efficiency	121lm/W
UGR lat./long.	18.2 / 18.5

DEEP-LINK

<https://www.regiolux.de/en/article/65712046170>



Reference	LED 6100lm 827-865
η_{LB}	100 %
$\Phi_{\downarrow/\uparrow}$	100 % / 0 %
UGR lat./long.	18.2 / 18.5
VDU	$65^\circ < 3000 \text{ cd/m}^2$

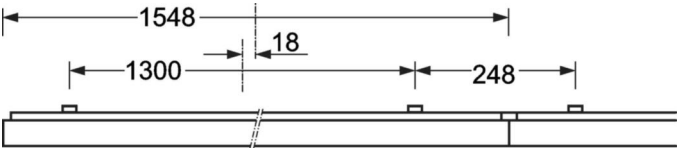


MECHANICS

Housing colour	traffic white RAL 9016
Dimensions (LxWxH/DxH)	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, Pendulum mounting rail assembly on chain, Ceiling-mounted mounting rail installation

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)	20
DALI-output nom.	40mA
Communication	Bluetooth
Sensor technology	PIR - passive infrared
Installation height (min/max)	2m to 3m
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, Daylight control, Corridor function, Guided Light, HCL (only with DT8 luminaires), Tunable white (only with DT8 luminaires), Manual dimming

MONITORING AREA

Mounting Height	3m
Ø max. sitting[S]	-
Ø max. radial[R]	12m
Ø max. tangential[T]	12m

