

Pendant luminaire - Micro-prismatic diffuser - direct/indirect distribution - with edge brightening

Extremely flat luminaire housing, designed by BUSSE Design+Engineering GmbH, extruded aluminium profile, natural anodised, visible installation height 23 mm; rounded natural anodised aluminium end faces, high stability due to cross braces made of stainless steel; Housing colour natural anodised aluminum; Direct/indirect light distribution, direct component using micro-prismatic diffuser made of PMMA, indirect component and longitudinally structured and luminous sides via cover made of frosted polycarbonate foil as dust protection, high luminous flux with direct and indirect component in lumen ratio 2:1; neutral white light colour (840) in direct and indirect component with very good colour consistency and high colour rendering $R_a > 80$; for VDU workstations, $65^\circ < 3000 \text{ cd/m}^2$ omnidirectional glare suppression according to current DIN EN 12464-1 standard; Connection via integrated connection cable $5 \times 0.75 \text{ mm}^2$, length 1900mm. Light Control: netlife easy1; Regiolux Classification: netlife easy; Control signal: DALI; Number of control gear (max): 32; Communication: Bluetooth; Sensor technology: PIR - passive infrared; Installation height (min/max): 2m to 5m; Monitoring area: max. $D=7\text{m}$; App name: Osram BT Config; Osram BT Control; Note: up to 4 DALI sensors or DALI push button coupler can also be connected; System extension: easy01S; Application: Office, Meeting rooms, Corridors, Classrooms, Secondary rooms; Function: Motion detection, Corridor function, presence detection, Daylight control, Tunable white (only with DT8 luminaires), Manual dimming.. Suspension length max.1900mm. Y-wire suspension with translucent connection cable and ceiling canopy included in the scope of delivery The apps Osram BT Control , Osram BT Config for DALI LC01 are available in the App store/Google Play.

CHARACTERISTICS

Order number	42161418870
EAN number	4020863381708
Commodity code	94051190
Certification mark	IP 20, Protection class I, VDU $65^\circ < 3000$, F, Indoor, CE
Impact resistance (IK rating)	IK03
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 DALI (2 pcs.)
Light Control	netlife easy01
Wiring	$5 \times 0.75 \text{ mm}^2$
System output	56W
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

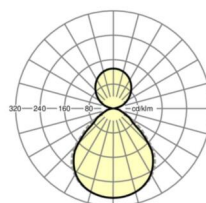
Placement	LED, Colour rendering/Light colour CRI ≥ 80 / 4000K+4000K
Colour tolerance (MacAdam)	3SDCM
Nominal luminous flux	8898lm
LED service life	50000h L80/B10 ($T_q 25^\circ\text{C}$)
Luminaire luminous efficiency	159lm/W
UGR lat./long.	15.5 / 16.3

MECHANICS

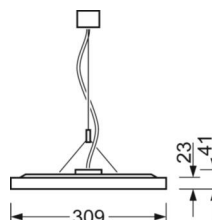
Housing colour	natural anodised aluminum
Dimensions (LxWxDxH)	1424mm x 309mm x 41mm
Weight (net)	5.55kg
Type of installation	Pendant individual mounting

DEEP-LINK

<https://www.regiolux.de/en/article/42161418870>

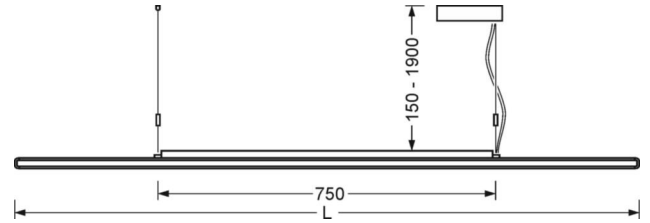


Reference	LED 8900lm 840/840
η_{LB}	100 %
$\Phi \downarrow / \uparrow$	65 % / 35 %
UGR lat./long.	15.5 / 16.3
VDU	$65^\circ < 3000 \text{ cd/m}^2$



Dimensions

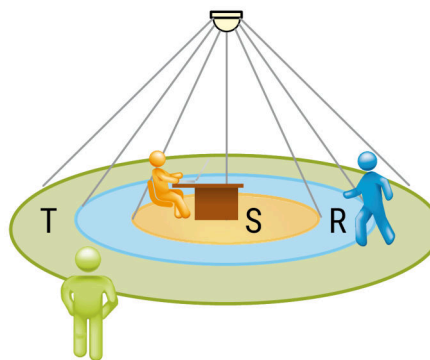
L	1424 mm	Length
B	309 mm	Width
H	41 mm	Height
A1	750 mm	Mounting distance single mounting
P min	150 mm	Minimum suspension length
P max	1900 mm	Maximum suspension length



LC SYSTEM

CHARACTERISTICS

Regiolux Classification	netlife easy
Control signal	DALI
Number of control gear (max)	32
Communication	Bluetooth
Sensor technology	PIR - passive infrared
Installation height (min/max)	2m to 5m
App name	Osram BT Config; Osram BT Control
Note	up to 4 DALI sensors or DALI push button coupler can also be connected
System extension	easy01S
Application	Office, Meeting rooms, Corridors, Classrooms, Secondary rooms
Function	Motion detection, Corridor function, presence detection, Daylight control, Tunable white (only with DT8 luminaires), Manual dimming



MONITORING AREA

Mounting Height	2,5m	3,5m	5m
Ø max. sitting[S]	3,3m	5m	-
Ø max. radial[R]	5,3m	7m	7m
Ø max. tangential[T]	-	-	-

