

Sports hall luminaires - Micro-prismatic diffuser - direct narrow/wide distribution

Powder-coated steel sheet enclosure, rectangular cross-section, with sturdy steel end faces, rear of enclosure integrated locking nuts to externally attach accessories for ceiling mounting and chain suspension with additional attachment holes for fast ceiling installation. Housing colour traffic white RAL 9016; Light distribution direct narrow/wide distribution by means of Micro-prismatic diffuser of Polycarbonate, Light distribution direct, narrow/wide-beam; optimised glare reduction thanks to innovative, nano-prism light deflecting foil in multilayer technology; Luminaire cover by means of PC pane, clear, 2mm; UGR (4H/8H) 19.2. Integrated driver. Electrical connection and connection of control cable using 5-pole connection terminal with plug-in contacts. Spacer attachment clamp with integrated cable entry are included in the scope of delivery. Luminaire in tunable white technology for Human Centric Lighting. Protective and mounting accessories for free horizontal or tilted and rotated mounting and for electrical connection to the SDT rail, SDGU BAM/THLA universal mounting device carrier, must be ordered separately. Luminaire with tunable white continuously adjustable colour temperatures, for implementing daylight simulations with Human Centric Lighting (HCL). Thanks to the use of the mounting frame and ballea-ERS mounting frame for refurbishments, ball impact resistance is still ensured according to DIN 57710 Part 13 (VDE 0710 Part 13): 1981-05.

**CHARACTERISTICS**

Order number	67428026890
EAN number	4020863463268
Commodity code	94051190
Certification mark	IP 40, Protection class I, ENEC10 VDE, F, HACCP DIN10500/Food/IFS-application-related suitability/BRC, Protection against tennis ball impact, Protection against shuttlecocks, Protection against squash ball impact, Protection against ball impact, Indoor, CE
Impact resistance (IK rating)	IK10 (-20°C bis 35°C)
Ambient temperatur	ta -20°C to 35°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**

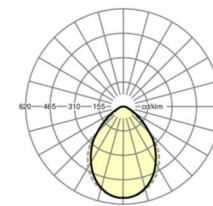
Controller	Electronic driver DALI device type 8 (1 pcs.)
System output	51W
Mains voltage	230V/50Hz
Circuit breakers (inrush current)	10 pieces/B10, 16 pieces/B16, 16 pieces/C10, 27 pieces/C16

**LIGHTING TECHNOLOGY**

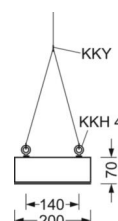
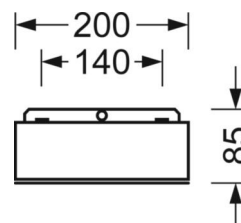
Placement	LED, Colour rendering/Light colour CRI ≥ 80 / 2700K-6500K continuously adjustable
Colour tolerance (MacAdam)	3SDCM
Photobiological safety (Luminaire)	RG0
Nominal luminous flux	6184lm
LED service life	80000h L80/B10 (Tq 35°C), 100000h L80/B50 (Tq 35°C), 50000h L90/B50 (Tq 35°C)
Luminaire luminous efficiency	122lm/W
UGR lat./long.	19.0 / 19.2

**DEEP-LINK**

<https://www.regiolux.de/en/article/67428026890>



Reference	LED 6200lm 827-865
ηLB	100 %
Φ ↓/↑	100 % / 0 %
UGR lat./long.	19.0 / 19.2



**MECHANICS**

Housing colour	traffic white RAL 9016
Dimensions (LxWxH/DxH)	1563mm x 200mm x 70mm
Ceiling cut-out (LxW/D)	1573mm x 210mm (when using accessory mounting frame)
Installation depth	120mm [AD]
Weight (net)	6.7kg
Cable entry KE (X/Y)	0mm/81mm
Type of installation	Ceiling-mounted single installation, Ceiling installation individual mounting, Pendant individual mounting, Pendant light strip mounting, Pendulum mounting rail assembly on chain, Ceiling-mounted mounting rail installation
Rotating mounting bracket	30° max. longitudinal axis + transverse axis / mounting with accessories bracket, chain or support rail

**Dimensions**

L	1563 mm	Length
B	200 mm	Width
H	70 mm	Height
A1	1492 mm	Mounting distance single mounting
DA(L)	1573 mm	Cutting dimension length
DA(B)	210 mm	Cutting dimension width
Et(AD)	120 mm	Ceiling distance minimum (cut-out ceiling)
HA	85	Height cover
X	0 mm	Distance cable infeed to the center of the luminaire on the X-axis
Y	81 mm	Distance cable infeed to the center of the luminaire on the Y-axis

