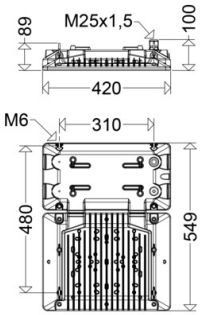
LED high-bay floodlight

DUEVO
3301 L160TB
[Item no. : 33010 0016]



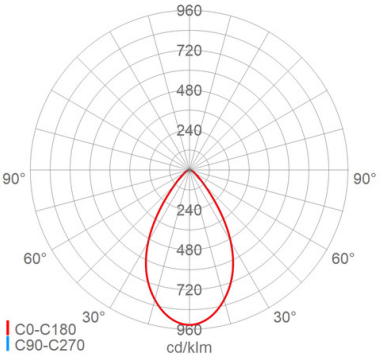
General product benefits

- extremely high service life due to high-quality components and optimal thermal management
- perfect thermal management due to direct connection of the LED modules to the housing and separation of ECG and LED housing, large cooling surface, excellent thermal conductivity
- uniform illumination due to Multi-Layer Technology, i.e. every individual LED illuminates the whole surface, the light distribution curves of the LED are overlapping
- "D"-sign - suitable for rooms with increased risk of fire
- colour rendering index CRI>80, according to the workplace guidelines suitable for nearly all plant locations
- variable electrical connection options due to 8 cable entries on the top and side (optional in-out wiring)
- sustainable, interchangeable components
- future proof by using standardised Zhaga LED modules
- GreenLine luminaire, outstanding sustainable design



Applications

- production areas and warehouses in commerce, trade and industry, e.g. maintenance halls, assembly plants, cold Rooms, refrigerated warehouses, DIY stores, rack aisles, high-bay warehouses, roofed outdoor areas of petrol stations, driveways etc.



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Technical data

General

EAN/GTIN:	4041254315492

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	96 W
Luminaire luminous flux:	15000 lm
Luminous efficacy:	156 lm/W
Colour temperature:	4000 K
Colour rendering (CRI):	≥ 80
Light colour:	840
Admissible ambient temperature T_a:	-25 °C to +60 °C
Control gear:	1 x ECG, Overload protection, Short circuit protection
Energy efficiency class:	C
Overvoltage protection:	4 kV
I LED max:	500 mA
BEG-eligible (Germany):	Yes

Lighting technology

Optical system:	Lens optics
Optical system material:	PMMA
Light distribution:	narrow wide beam
Beam angle:	65 °
Photobiological safety:	RG1

Service life

Service life LED:	L70>100000 h (@ Ta max), L90>50000 h (@ Ta 25°C)

Electrical connection

Rated voltage:	220 - 240 V, 50/60 Hz
Terminal clamp:	Cage clamp, 3-polig, 0,75 - 2,5 mm²
Max. no. with circuit breaker B16:	13
CB B10/B13/B20:	9/11/17
CB C10/C13/C16/C20:	13/17/22/27
Cable entries:	M25 (2x), cable gland (1x), screw plug (1x), Plastic, 9 - 17 mm

Features/Certificates

Protection class:	I
IP rating:	IP65
IK rating:	IK10
Limited surface temperature D:	Yes

Features/Certificates

Approval marks:	CE

Mounting

Mounting method (accessories possibly needed):	Suspended
Operating position:	downwards radiation
Mounting:	Multi-point

Housing

Housing material:	Die-cast aluminium
Varnished:	Yes
Colour:	grey, DB 702

Cover

Cover type / material:	Pane (Safety glass)
Cover characteristic:	clear
Closure:	screwed (Stainless steel (1.4301))

Sustainability

GreenLine:	Yes
Rezyklat material content ≥ 50%:	50 %
Dismountable at end of life:	Yes
≥ 80% recycelable:	80 %
Construction modular:	Yes
Spareparts availability > 10 years:	Yes
luminaire is upgradeable:	Yes
Guarantee 5 years:	Yes
Packaging made of 100% recyclet paper:	Yes

Dimension/Weight

Length:	549.00 mm
Width / Diameter:	420.00 mm
Height:	100.00 mm
Net weight:	9.20 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
33001 9001	ABD 3301 ESGW	safety glass pane clear (for 1 segment)
33001 9010	ABD 3301 C PMMA	PMMA pane frosted for glare limitation (for 1 segment)
25600 9000	2560	cable gland M25
25720 9000	2572	screw plug M25
90022 0006	BF SAH Y 420/45 ST P	
33001 9002	DBF 3301/3302	ceiling mounting (1 pair) painted steel
33001 9013	SD 3301/3302	Vibration-absorbing mounting, painted steel
33001 9008	3301 D BS	1 pair of ceiling mountings, sheet steel varnished, ball-proof (additional mounting holes in the housing required. Not upgradable!)
33001 9003	3301 WW	1 wall mounting angle, sheet steel varnished, adjustable (additional mounting holes in the housing required. Not upgradable!)