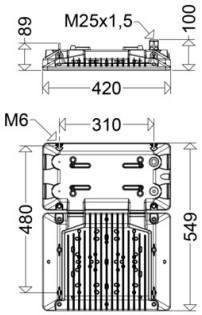
LED high-bay floodlight

DUEVO
3301 L210TB ER
[Item no. : 33010 0603]



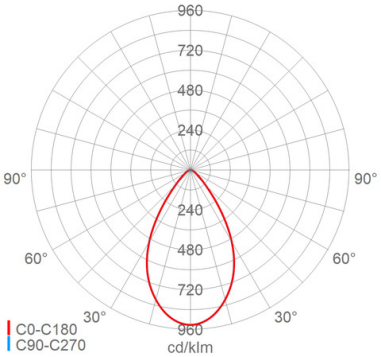
General product description

LED high bay light fitting DUEVO of the GreenLine series with outstanding sustainable product design and enhanced protection against corrosive atmospheres and harmful gases for application in stables and animal husbandry. Die-cast aluminium housing, powder-coated, multi-part, thermally separated, consisting of: ECG housing with incorporated ECG and smooth surface, ready for connection as well as LED housing with LED modules, frameless tempered safety glass pane and surface with flat cooling fins. LED modules, direct beam, Multi-Layer Technology, with direct connection to the housing for perfect thermal management. ECG with overload and short circuit protection. See "Optional accessories" for mounting material.



General product benefits

- modified for enhanced protection against corrosive atmospheres and harmful gases (RESISTANT ER)
- 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.
- areas with corrosive atmospheres or harmful gases, that damage the LED even to total failure
- humid, wet and dusty indoor areas in agricultural farms, rooms with increased fire risk due to deposits of combustible dusts; e. g. barns, straw or animal feed stores etc.
- cow, cattle and horse stables; not suitable for pig stalls

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Technical data

General

EAN/GTIN:	4041254359915

Key technical data

Light source:	LED
LED module standard:	Zhaga
Exchangeability:	light source and control gear replaceable by qualified person
Connected load:	135 W
Luminaire luminous flux:	20200 lm
Luminous efficacy:	150 lm/W
Colour temperature:	4000 K
Colour rendering (CRI):	≥ 80
Light colour:	840
Admissible ambient temperature T_a:	-25 °C to +50 °C
Control gear:	1 x ECG, Overload protection, Short circuit protection
Energy efficiency class:	C
Overvoltage protection:	4 kV
I LED max:	700 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:	10
CB B10/B13/B20:	7/9/13
CB C10/C13/C16/C20:	10/13/17/20
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
Special features:	stainless steel eyelet

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))

Other features

Special features:	enhanced resistance (ER)

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