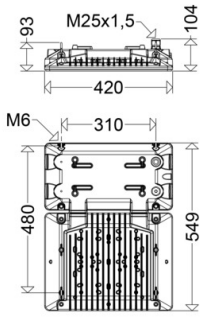
LED high-bay floodlight

DUEVO
3301 L160B IFS
[Item no. : 33010 0026]



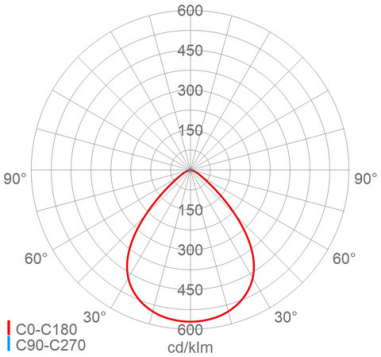
General product description

LED high bay light fitting DUEVO of the GreenLine series with outstanding sustainable product design for application in food areas according to International Featured Standard Food. 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, clear PC cover 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

- for application in food industry areas, in accordance with IFS/BRC/VDMA standards, applicable without restrictions in plants, that have to fulfil the HACCP Concept
- 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 the food industry and food processing areas as well as suppliers to the food industry, that have to meet the requirements of the International Food Standard, BRC, HACCP or comparably strict requirements, e.g. food packaging production areas

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Technical data

General

EAN/GTIN:	4041254329789

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

Lighting technology

Optical system:	Lens optics
Optical system material:	PMMA
Light distribution:	wide beam
Beam angle:	95 °
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:	12
CB B10/B13/B20:	8/10/16
CB C10/C13/C16/C20:	12/16/20/24
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
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 (PC)
Cover characteristic:	clear
Closure:	screwed (Stainless steel (1.4301))

Other features

International Food Standard (IFS):	Yes

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:	104.00 mm
Net weight:	9.20 kg

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Optional accessories / spare parts

Item no.	Item name	Item description
33001 9006	ABD 3301 PC	PC pane clear IFS (for 1 segment)
25600 9000	2560	cable gland M25
25720 9000	2572	screw plug M25
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!)
90022 0006	BF SAH Y 420/45 ST P	