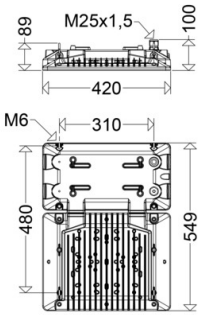
LED high-bay floodlight

# DUEVO
# 3301 L210T VARIO
**[ Item no. : 33011 0004 ]**



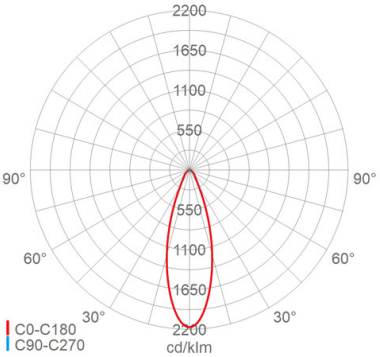
### General product description

LED high bay light fitting DUEVO of the GreenLine series with outstanding sustainable product design and variably adjustable luminous flux. 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

- reduction of type diversity due to variably adjustable luminous flux
- simple, fast and toolless setting of the luminous flux on-site by means of integrated switch, adjustable at any time
- high flexibility due to almost infinitely variable luminous flux setting
- highly economical stocking
- 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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## [ Item no. : 33011 0004 ]

### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254397955 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 77 W, 135 W |
| Luminaire luminous flux: | 12040 lm, 20200 lm |
| Luminous efficacy: | 156 lm/W, 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: | 2 kV |
| I LED max: | 700 mA |
| BEG-eligible (Germany): | Yes |
| Special features: | variable and almost stepless adjustable luminous flux (Attention: only min, max values listed above) |

**Lighting technology**

| | |
|---|---|
| Optical system: | Lens optics |
| Optical system material: | PMMA |
| Light distribution: | narrow beam |
| Beam angle: | 30 ° |
| 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 |
| 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 |
| 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 | |