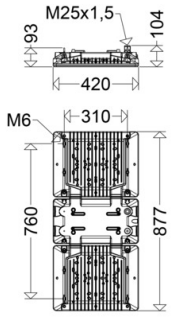
LED high-bay floodlight

# DUEVO
# 3302 L220B DIMD 850 IFS
**[ Item no. : 33020 0224 ]**



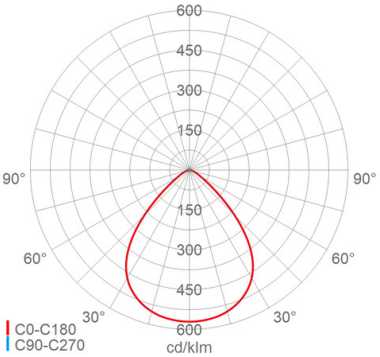
### General product description

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 two LED housings 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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# 3302 L220B DIMD 850 IFS
## [ Item no. : 33020 0224 ]

### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254339320 |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 134 W |
| Luminaire luminous flux: | 21600 lm |
| Luminous efficacy: | 161 lm/W |
| Colour temperature: | 5000 K |
| Colour rendering (CRI): | ≥ 80 |
| Light colour: | 850 |
| Admissible ambient temperature $T_a$: | -25 °C to +60 °C |
| Control gear: | 2 x ECG, Overload protection, Short circuit protection |
| Energy efficiency class: | C |
| Overvoltage protection: | 4 kV |
| I LED max: | 350 mA |
| BEG-eligible (Germany): | Yes |

**Lighting control**

| | |
|---|---|
| Dimmable: | Yes |
| Dimming method: | DALI (DIMD) |
| Dimming range: | 10 - 100 % |

**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, 5-polig, 0,75 - 2,5 mm² |
| Max. no. with circuit breaker B16: | 9 |
| CB B10/B13/B20: | 6/8/12 |
| CB C10/C13/C16/C20: | 9/12/15/18 |
| Cable entries: | M25 (2x), cable gland (1x), screw plug (1x), Plastic, 9 - 17 mm |

**Features/Certificates**

| | |
|---|---|
| Protection class: | I |

**Features/Certificates**

| | |
|---|---|
| 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: | 877.00 mm |
| Width / Diameter: | 420.00 mm |
| Height: | 104.00 mm |
| Net weight: | 14.60 kg |

# DUEVO
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**[ Item no. : 33020 0224 ]**

**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 9009 | 3302 D BS | 1 pair of ceiling mountings, sheet steel varnished, ball-proof (additional mounting holes in the housing required. Not upgradable!) |
| 33001 9007 | 3302 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 | 1 pair of Y-ropes |