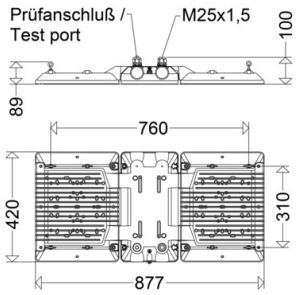
Explosion-protected LED high-bay floodlight

# ExDUEVO
# nD8302 L220 H60
**[ Item no. : 83020 0201 ]**



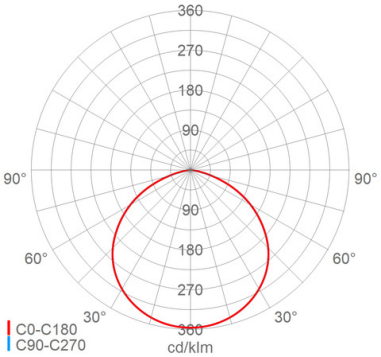
### General product description

Explosion-protected LED high bay light fitting ExDUEVO of the GreenLine series with outstanding sustainable product design for zone 2/22. Die-cast aluminium housing, multi-part, thermally separated, powder-coated, consisting of: ECG housing with incorporated ECG and smooth surface as well as two LED housings 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 overvoltage, overload and short circuit protection as well as DALI interface for dimming operation.




### General product benefits

- extremely high service life even at maximum admissible ambient temperature
- 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
- DALI interface (standard) for dimming operation
- colour rendering index CRI≥80, according to the workplace guidelines suitable for nearly all plant locations
- 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
- interchangeable components
- future proof by using standardised Zhaga LED modules
- GreenLine luminaire, outstanding sustainable design




### Applications

- hazardous areas zone 2 (gas) and zone 22 (dust)
- production, assembly and storage halls in the chemical and pharmaceutical industries, mills, paper mills, etc.
- light fitting is not suitable for use in areas with permanently high humiditiy and short operation time, e.g. sewage plants and rainwater retention basins

Explosion-protected LED high-bay floodlight

# ExDUEVO
# nD8302 L220 H60
## [ Item no. : 83020 0201 ]

### Technical data

**General**

| | |
|---|---|
| EAN/GTIN: | 4041254325408 |

**Explosion protection**

| | |
|---|---|
| EX-Zone: | 2 , 22 |
| EX-marking gas: | II 3 G Ex nR IIC T4 Gc |
| EX-marking dust: | II 3 D Ex tc IIIC T100°C Dc |
| Primary ignition protection method: | nR |
| Temperature class: | T4 |
| Surface temperature: | T100°C |
| ATEX: | IBExU22ATEXB013 X |
| IECEx: | IECEx IBE 22.0022X |

**Key technical data**

| | |
|---|---|
| Light source: | LED |
| LED module standard: | Zhaga |
| Exchangeability: | light source and control gear replaceable by qualified person |
| Connected load: | 132 W |
| Luminaire luminous flux: | 24000 lm |
| Luminous efficacy: | 182 lm/W |
| Colour temperature: | 4000 K |
| Colour rendering (CRI): | ≥ 80 |
| Light colour: | 840 |
| Admissible ambient temperature $T_a$: | -20 °C to +60 °C |
| Control gear: | 2 x ECG, Overload protection, Short circuit protection |
| Energy efficiency class: | D |

**Lighting control**

| | |
|---|---|
| Dimmable: | Yes |
| Dimming method: | DALI (DIMD) |
| Dimming range: | 10 - 100 % |
| DALI-addresses per luminaire: | 2 |
| DALI-standard: | DT6 |

**Lighting technology**

| | |
|---|---|
| Light distribution: | wide beam |
| Photobiological safety: | RG1 |

**Service life**

| | |
|---|---|
| Service life LED: | L80>60000 h (@ Ta max), L80>100000 h (@Ta 25°C), L70>90000 h (@Ta >50° C), L70>100000 h (@Ta ≤50°C) |

**Electrical connection**

| | |
|---|---|
| Rated voltage: | 220 - 240 V, 50/60 Hz |
| Terminal clamp: | Cage clamp, 5-polig, 1 - 4 mm² |

**Electrical connection**

| | |
|---|---|
| Max. no. with circuit breaker B16: | 11 |
| CB B10/B13/B20: | 7/9/14 |
| CB C10/C13/C16/C20: | 11/14/18/22 |
| Cable entries: | M25 (1x), cable gland (1x), Plastic, 8 - 17 mm |

**Features/Certificates**

| | |
|---|---|
| Protection class: | I |
| IP rating: | IP65 |
| IK rating: | IK10 |
| 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)) |

**Product life cycle**

| | |
|---|---|
| Dismountable at end of life: | Yes |
| recyclable: | 80 % |
| Construction modular: | Yes |
| Spareparts availability > 10 years: | Yes |
| luminaire is upgradeable: | Yes |
| Guarantee 5 years: | Yes |
| Packaging made of 95% recyclet paper: | Yes |

**Dimension/Weight**

| | |
|---|---|
| Length: | 877.00 mm |
| Width / Diameter: | 420.00 mm |
| Height: | 100.00 mm |
| Net weight: | 14.50 kg |

# ExDUEVO
# nD8302 L220 H60
**[ Item no. : 83020 0201 ]**

**Optional accessories / spare parts**

| Item no. | Item name | Item description |
|---|---|---|
| 90117 9006 | 2537 G | cable gland M25 with locknut for Ex-Zone 1/21 |
| 90119 9001 | 2539 G | cable gland M25 with blanking plug and locknut for Ex-Zone 1/21 |
| 33001 9002 | DBF 3301/3302 | ceiling mounting (1 pair) painted steel |
| 90022 0006 | BF SAH Y 420/45 ST P | rope suspension (1 pair) 2-point Y-rope, length 420 mm, load capacity 45 kg, galvanized steel |