

## STL Atex LED Floodlights BLD150 series

### Explosion-Proof LED Lighting

#### Features:

Power LED with service life of > 60.000 hour  
Over >50% less energy consumption comparing to HID  
Easy and quick installation, low maintenance cost.  
Emergency type available with built in battery.  
Wide rated power range 20-160W  
For Zone 1, 21 & 2, 22  
High light efficiency dedicated honeycomb mirror enhances bigger lighting area, uniform illumination.  
Dual-chamber structure, independent chambers for light source, driver and wiring ensures LED heat not affect the driver and wiring parts.  
Optimized heat sink, aluminium housing with air diversion structure removes heat from the LEDs and  
Multi protection, constant current with short circuit and overvoltage protection.  
Wide voltage range AC220V can operate within AC100-277V range.  
Good EMC, excellent electromagnetic compatibility and anti-interference.  
SNMT technology, surface mounting technology keeps low working temperature of the LED chip.  
Standard material, copper-free Aluminium housing, surface with epoxy powder coating, tempered glass and stainless steel external hardware.  
Emergency type, 20/40W can be supplied with battery built-in, last to 60 minutes after power failure.

#### Specification:

Classification:	Group II Category 2GD
Installation (EN60079 14):	Zone 1 - Zone 2 (gas) & Zone 21 - Zone 22 (Dust)
Standards:	IEC60079-0, IEC60079-1, EN60079-0, EN60079-1, EN60079-31
Ex-mark:	ExdIIBT6 Gb/ExtIII BT85°C Db
Rated voltage:	AC/DC 100-277V(*1) 50/60Hz *1 = AC/DC 12V/24/36V48/110V are available
Housing type:	I = 20, 40, 60, 80W (*2) II = 100, 120, 160W *2 = Emergency type is available
Color temperature:	3000/4000/5000K
IP Grade:	IP66
Corrosion-proof grade:	WF2
Ambient temperature:	Van -20°C tot +40°C
Cable entry:	G3/4" or NPT3/4" or M25x1,5
Terminals:	wires ≥2,5mm <sup>2</sup>
Installation:	Bracket (ceiling/wall/pendant/pole)

#### Technical features:

Body:	Copper-free content aluminium alloy
Glass:	Shock and temperature resistant borosilicate glass with aluminium shade ring.
Gaskets:	Acid/hydrocarbon resistant silicone gasket for temperatures up to +50°C.
Guard:	Electro-polished stainless steel. Can also be supplied on request without guard.
Bolts and screws:	Stainless steel
Cable Entry:	G3/4" or NPT3/4" or M25x1,5
Coating:	Epoxy powder coated color grey
Corrosion resistance:	According to standard EN60068-2-30 (hot/humid cycles) and EN60068-2-11 (salt mist tests)

Housing type I



Housing type II



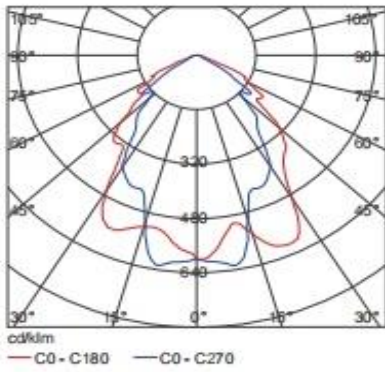
Repair Management Nederland B.V.  
More management less firefighting



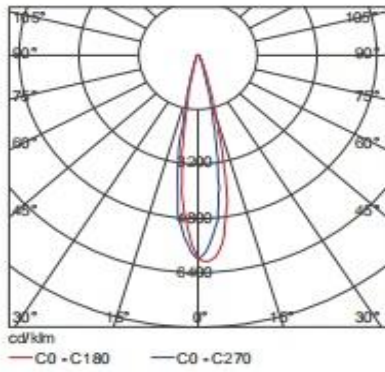
Number	Wattage	Voltage	Entry	Lumen Flux	Body	Weight	Ex area
83BLD150010	10 W	AC220V	M25x1,5	1100	I	8,9 kg	ExdIIB T6
83BLD150020	20 W	AC220V	M25x1,5	2200	I	8,9 kg	ExdIIB T6
83BLD150030	30 W	AC220V	M25x1,5	3300	I	8,9 kg	ExdIIB T6
83BLD150040	40 W	AC220V	M25x1,5	4400	I	8,9 kg	ExdIIB T6
83BLD150060	60 W	AC220V	M25x1,5	6600	I	8,9 kg	ExdIIB T6
83BLD150080	80 W	AC220V	M25x1,5	8800	II	19 kg	ExdIIB T6
83BLD150100	100 W	AC220V	M25x1,5	11000	II	19 kg	ExdIIB T6
83BLD150120	120 W	AC220V	M25x1,5	13200	II	19 kg	ExdIIB T6
83BLD150160	160 W	AC220V	M25x1,5	16500	II	19 kg	ExdIIB T6

Emergency type

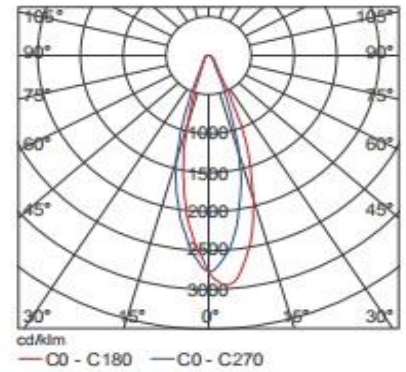
Number	Wattage	Emerg.	Duration	Battery cap.	Body	Weight	Ex area
83BLD150020E	20 W	10 W	60 min.	12V 1500mAH NI-MH	I	8,8 kg	ExdIIB T6
83BLD150040E	40 W	20 W	60 min.	12V 1800mAH NI-MH	I	8,8 kg	ExdIIB T6



BLD150-40W Flood Lighting



BLD150-80W Beam angle 30°



BLD150-120W Beam angle 45°

