

SPECIFICATION

BRIGHTGUARD - ATEX

Ex Zone 2,22



Designed to work in harsh environments the Brightguard is a dustproof fixture with splash water resistance designed for lighting of areas with danger of explosion. The lighting fixture is certified by FTZU Ostrava-Radvanice (certificate type FTZU 16 ATEX 0102X).



Features

- Low maintenance high output led light source
- Energy efficient control
- Reduced energy costs with motion sensor option
- Robust, Long Life Enclosure
- IP66, IK10 & Zone 2/22
- Surface, Ceiling Or Wall Mounted
- Screwless Three-Pole Terminal Block
- L80B10 Ta30 – 70 000h
- L70B10 Ta30 – 100 000h
- 3K, 4K, 5K LEDs Available
- 4000K CRI+ 80 MacAdam 3
- 220-240V, 50/60 Hz AC
- 220-240V DC

Applications

- Hazardous Atex Zone 2,22

Options and Accessories

- EM Integral Emergency
- DD SwitchDIM/DALI
- MW Integral Microwave Sensor
- SK Suspension Kit
- POL Pole Bracket Kit
- WALL Wall Bracket Kit
- CAGE Protective Cage
- PLG Sealing Plugs

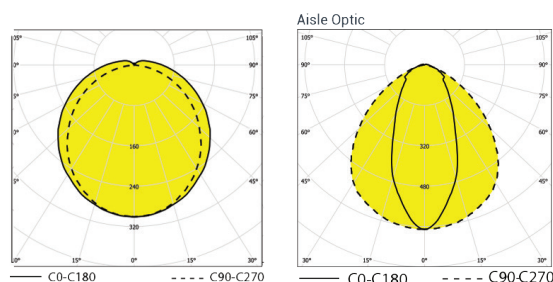
Certification Detail

- II 3G Ex nR IIC T6 Gc
- II 3D Ex tc IIIC T80°C Dc

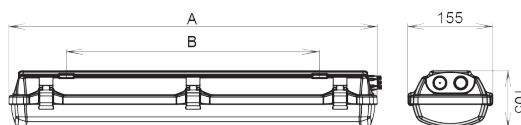
Technical Details

Part No.	Description	Dimension (A)	Mounting Space (B)	Power (W)	Luminaire Lumens	LI/cW	Ta Max (°C)	Weight (kg)
BRI2-15/4K	Linear Hazardous Fitting	670mm	460mm	15	2251	150.1	60	1.8
BRI2-29/4K	Linear Hazardous Fitting	670mm	460mm	29	4357	150.2	55	1.7
BRI4-29/4K	Linear Hazardous Fitting	1280mm	880mm	29	4503	155.3	60	3.1
BRI4-58/4K	Linear Hazardous Fitting	1280mm	880mm	58	8715	150.3	40	3.2
BRI5-44/4K	Linear Hazardous Fitting	1580mm	1000mm	44	6754	153.5	55	3.6
BRI5-74/4K	Linear Hazardous Fitting	1580mm	1000mm	74	11,172	151.0	45	3.8
BRI5-94/4K	Linear Hazardous Fitting	1580mm	1000mm	94	13,730	146.1	40	3.8
BRI5-115/4K	Linear Hazardous Fitting	1580mm	1000mm	115	16,311	141.8	40	3.8
BRI5A-74/4K	Linear Hazardous Fitting Aisle Optic	1580mm	1000mm	74	11,932	161.2	45	3.8
BRI5A-95/4K	Linear Hazardous Fitting Aisle Optic	1580mm	1000mm	95	14,960	157.5	50	3.8
BRI5A-117/4K	Linear Hazardous Fitting Aisle Optic	1580mm	1000mm	117	17,903	153.0	40	3.8

Photometric



Dimensions

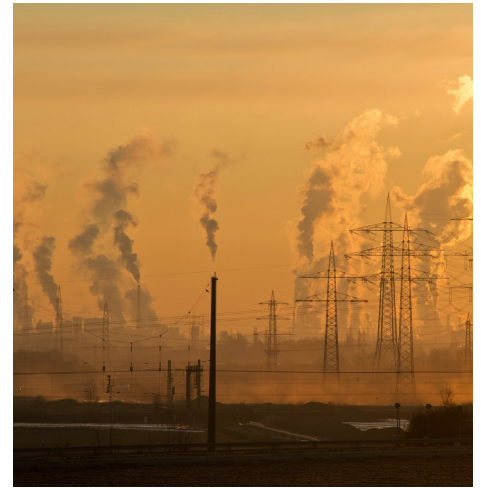


Please Note: Product specifications are subject to change without notice. Product supplied may differ slightly in appearance from images shown on this website. Diamond LED Lighting reserve the right to update product specifications.

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Options and Accessories



Wire Suspension Mounting Kit



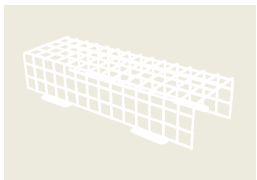
Cable Suspension Mounting Kit



Set Of Wall Brackets



Pole Bracket



Protective Cage

Standard equipment: 1pc EX plastic cable gland M20x1.5 (as a standard for diameter of cable 7-12mm), 1 pc EX plastic plug M20x1.5, 2 pcs stainless steel fastening bracket-AISI 304, stainless clips, double cable clip.

Standard Accessories	Accessories For Armoured Cable
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- | | |
|---------------------------------------|--|
| Plastic cable gland Ex M20x1.5 | Cable gland BIMED M20x1.5 ORION UNIVERSAL (8+/- 0.5Nm) |
| Flat sealing ring EPDM 27x18.5x1.5 mm | Sealing plug WISKA EMVS20 M20x1.5 Ex-nickel-plated brass |
| Plastic sealing plug Ex M20x1.5 | Nut WISKA EMMU20 M20x1.5-nickel-plated brass |
| Plastic nut WISKA EMUG 20 M20x1.5 | Flat sealing ring EPDM 27x18.5x1.5 mm |



On Request

- | | |
|--|--|
| DD – dimmable electronic ballast (DALI,DSI, 1-10V) | EMST - non-maintained emergency lighting |
| EM - maintained emergency lighting | 1/3 F - single-phase or three phase through wiring connection 2.5 mm |

Use of luminaires in areas with danger of explosion	Marking of external influences	Area classification	
		Marking	Directive
Danger of explosion of flammable dust	BE3N1	ZONE 22	ČSN EN 60079-14, ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapours	BE3N2	ZONE 2	ČSN EN 60079-14, ČSN EN 60079-10-1

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