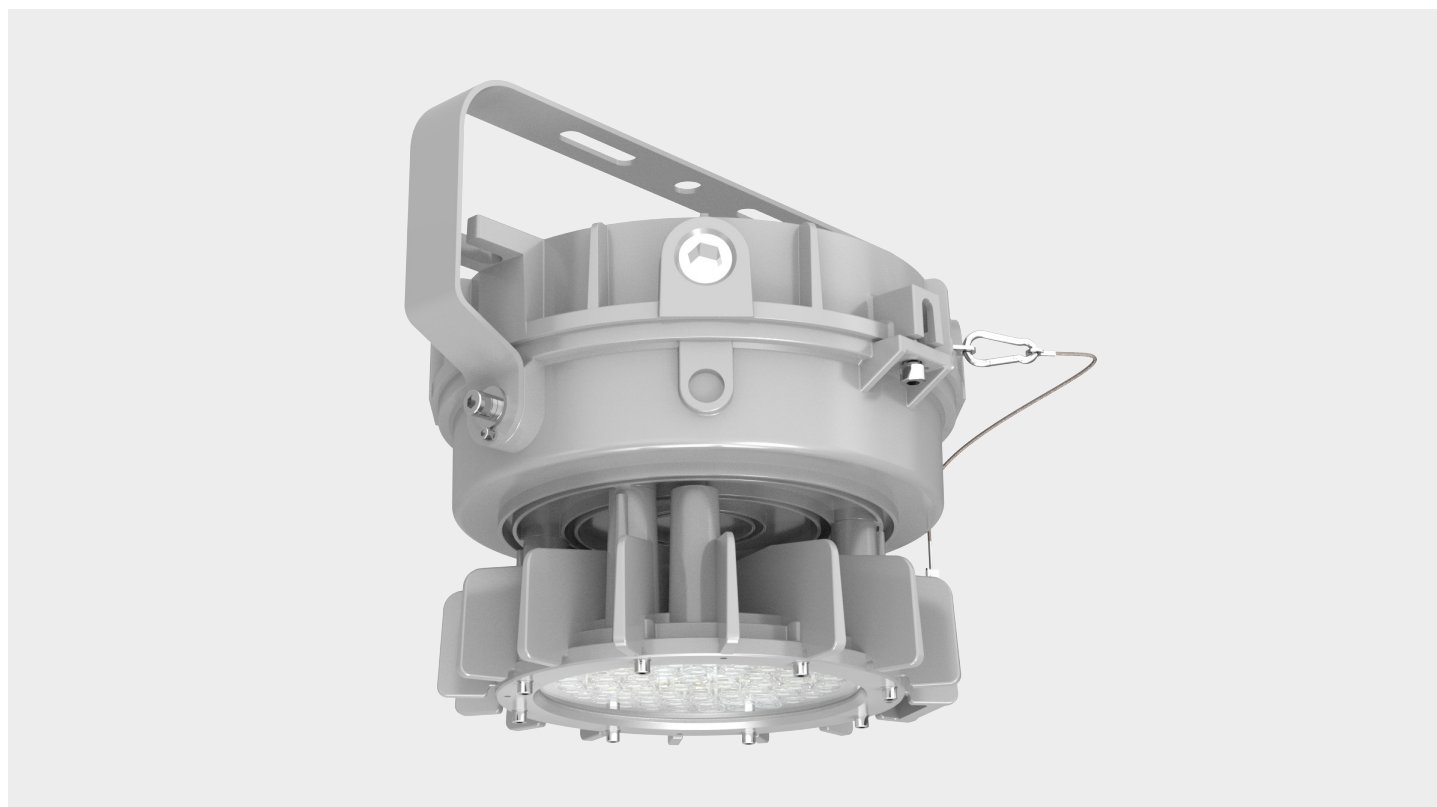


Blux Ex1

High bay LED Lighting fixture for zone 1/21



The Blux Ex1 LED series luminaire is the ideal choice for hazardous applications. Especially in environment where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient temperature can be expected.

- 0-10V dimming
- High luminous efficacy -
Up to 147 lumens per watt
- Compact and robust structure,
excellent reliability
- Various installation ways for
different applications
- Great impact resistance with
IK08/IK10 certified
- Aluminum housing, great corrosion
resistance and cooling
- L70 > 78,000 Operation Hours
@Ta 55 °C

Reference standards

Directive 2014/34/EU	
ATEX Ex protection type	Ⓔ II 2 G Ex eb mb IIC T6...T4 Gb Ⓔ II 2 D Ex tb IIIC T80 °C...T100 °C Db
ATEX certificate number	TPS 25 ATEX 133310 0003 X
IECEX Ex protection type	Ex eb mb IIC T6...T4 Gb Ex tb IIIC T80 °C...T100 °C Db
IECEX certificate number	IECEX TPS 25.0055X
Ingress protection	IP66
Impact Protection	IK08 (glass cover) IK10 (with wire guard)
Temperature range	-40 °C ÷ +65 °C

Electrical characteristics

Power supply	200-250VAC
Lamp source	CRI >70 CCT 4000 K (as standard) Life time L70 > 78,000 Operation Hours @Ta 55 120° optics (as standard)
Connection	Terminals 3 x 2.5 mm ² (3 x 4.0 mm ² on request)

Technical data

Order code	Wattage [W]	Output [lm]	Power input [W]	Efficiency [lm/W]	Model size	Ambient temperature	T class	Net Weight [kg]
BLXZ1020WB2N412020	20	2800	21	140	B2	-40 °C ≤ Ta ≤ +65 °C	T6/T180 °C	3.5
BLXZ1030WB2N412020	30	4200	40	143	B2	-40 °C ≤ Ta ≤ +55 °C	T6/T180 °C	3.5
BLXZ1050WBXN412020	50	7000	63	145	BX	-40 °C ≤ Ta ≤ +55 °C	T5/T100 °C	4.4
BLXZ1080WB3N412020	80	11200	84	147	B3	-40 °C ≤ Ta ≤ +55 °C	T5/T100 °C	4.4
BLXZ1100WB3N412020	100	14000	105	142	B3	-40 °C ≤ Ta ≤ +55 °C	T5/T100 °C	8.2
BLXZ1120WB3N412020	120	16800	126	145	B3	-40 °C ≤ Ta ≤ +55 °C	T5/T100 °C	8.2
BLXZ1150WB4N412020	150	21000	157	143	B4	-40 °C ≤ Ta ≤ +55 °C	T5/T100 °C	8.2
BLXZ1200WB4N412020	200	28000	210	141	B4	-40 °C ≤ Ta ≤ +55 °C	T5/T100 °C	8.2
BLXZ1250WB4N412020	250	35000	263	144	B4	-40 °C ≤ Ta ≤ +40 °C	T6/T80 °C	17.0
BLXZ1300WB4N412020	300	42000	315	141	B4	-40 °C ≤ Ta ≤ +40 °C	T6/T80 °C	17.0
BLXZ1400WB4N412020	400	56000	420	142	B4	-40 °C ≤ Ta ≤ +30 °C	T5/T100 °C	17.0

Mechanical characteristics

Body	Low copper aluminum, color grey RAL7040
Diffuser	Tempered glass & PC
Gasket	silicone: Temperature range -70 °C ÷ +250 °C
Hardware	stainless steel 316
Cable entry	Side: 4 x ¾" NPT Top: 1 x ¾" NPT
Standard fixing	Adjustable bracket for ceiling and wall mounting

Installation

hazardous areas - Zone 1 (Gases) - Zone 21 (Dusts)

Classification

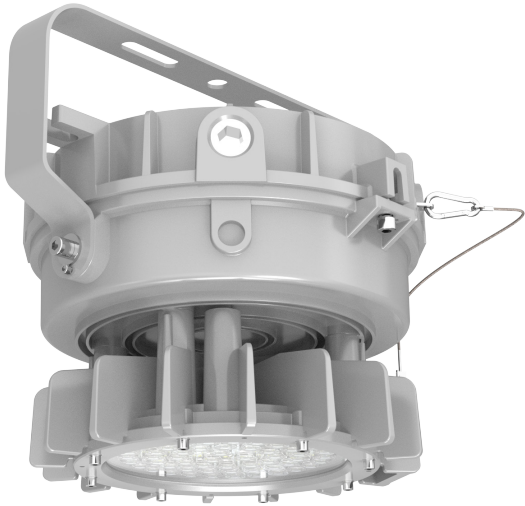
Group II - Category 2G 2D

Available on request

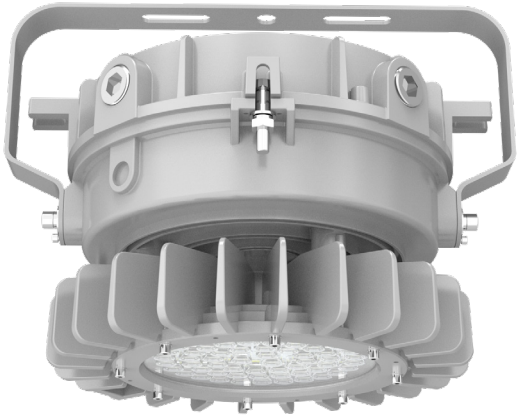
- available without or with 40°, 45°, 60°, and 90° optics
- 3000K / 5000K / 5700K / 6500 K - color temperature
- dimmable electronic ballast (DALI)
- Connection on request:
Side: M20, M25, ½" NPT
Top: M25

Available models

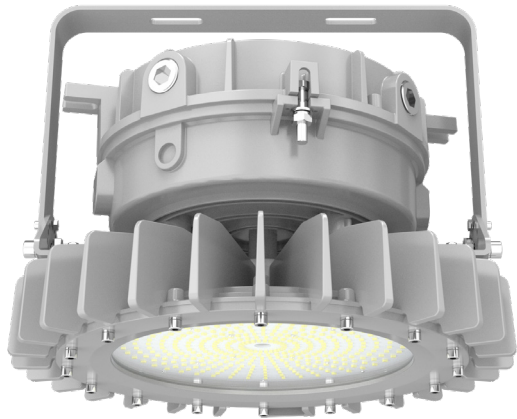
B2 →



BX →



B3 →



B4 →

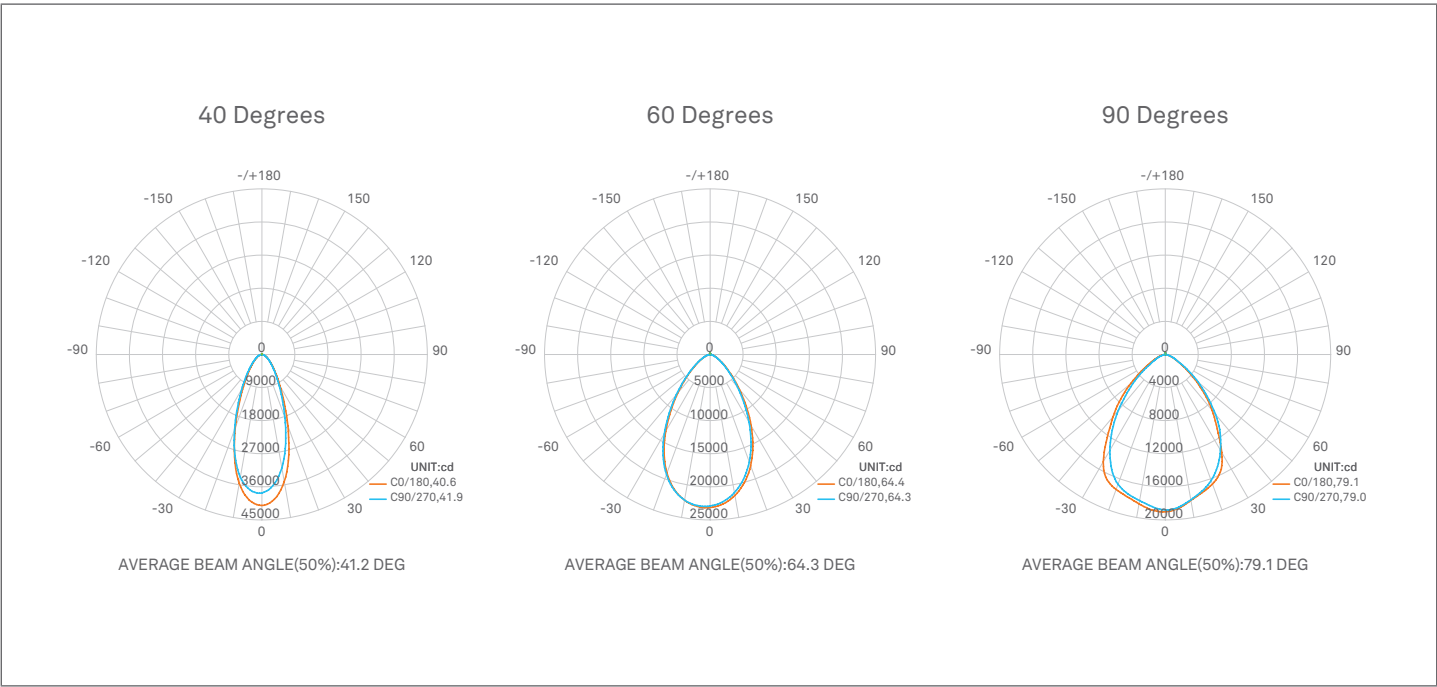


Ordering information

BLXZ1050WBXN412020

BLX	Family name Blux floodlight	N	Variant N – Normal ON/OFF* D – dimmable E – Emergency F – Emergency & dimmable
Z1	Zone classification Ex zone 1/21		
050W	Power 020W – 20 W 030W – 30 W 040W – 40 W 050W – 50 W 060W – 60 W 080W – 80 W 100W – 100 W 120W – 120 W 150W – 150 W 200W – 200 W 250W – 250 W 300W – 300 W 400W – 400 W	4	Color temperature CCT 3 – 3000 K 4 – 4000 K* 5 – 5000 K 6 – 6500 K
		12	Beam angle 04 – 40° 06 – 60° 09 – 90° 12 – 120°*
		0	Glass type 0 – flat glass* G – flat glass with guard net C – convex glass
BX	Model size B2 – model size B2 BX – model size BX B3 – model size B3 B4 – model size B4	20	Voltage 20 – 220 – 250 V AC
* Standard version			

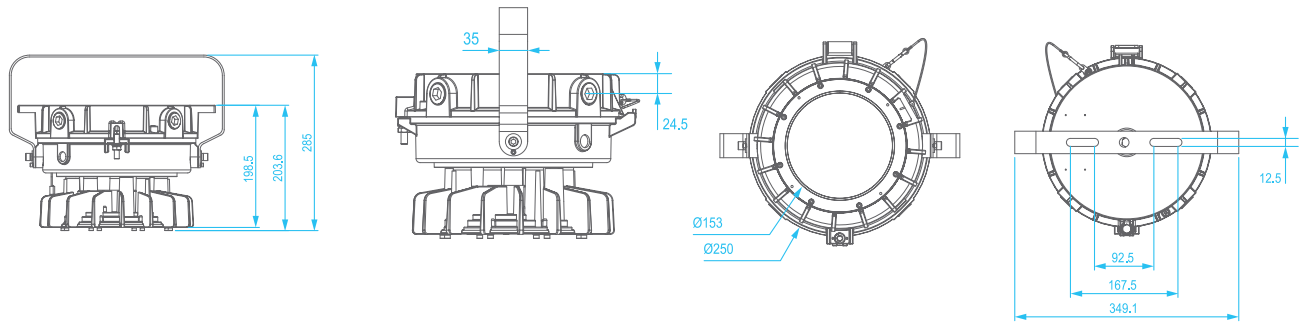
Photometric data



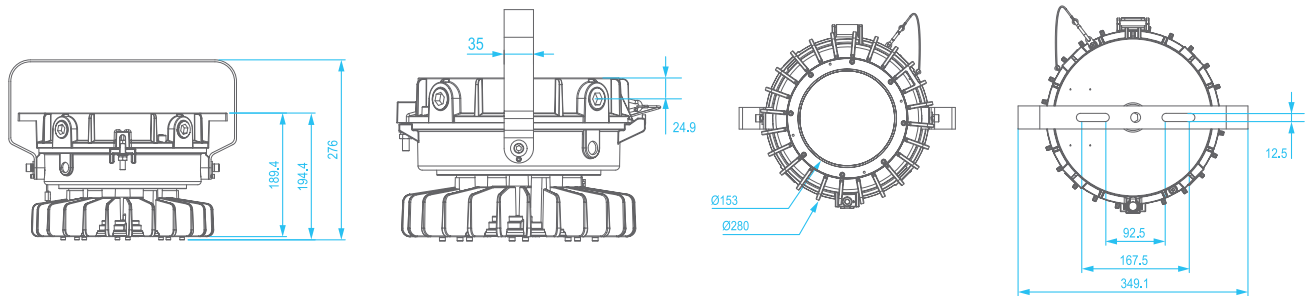
REMARK:
Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.

Dimensions in mm

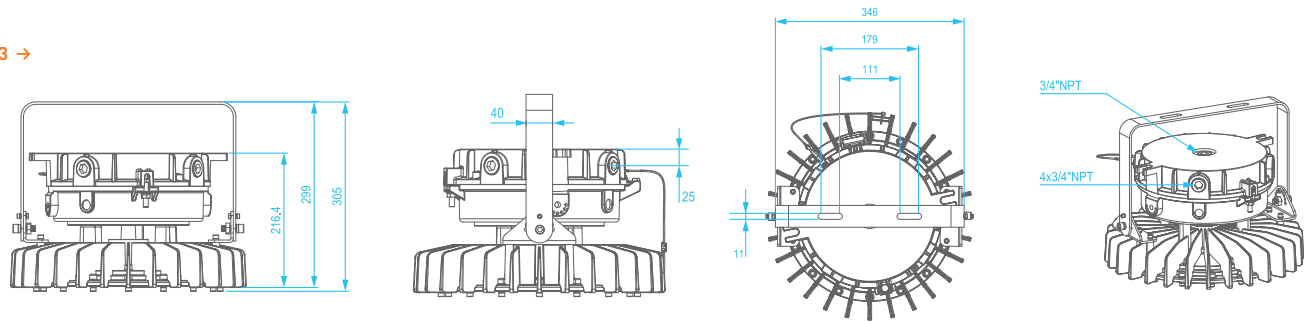
B2 →



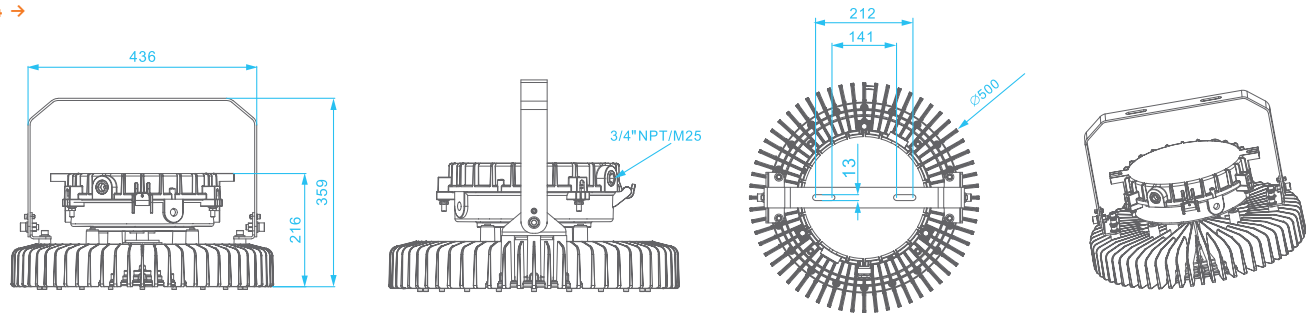
BX →



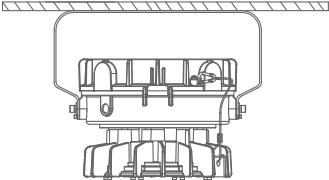
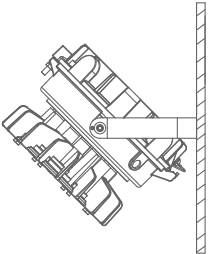
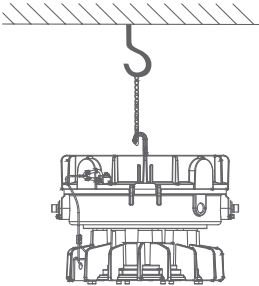
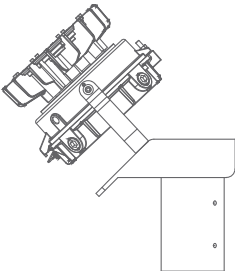
B3 →



B4 →



Mounting Methods and Accessories

Option 1: Ceiling Mounting → As a standard 	Accessory → Bracket 
Option 2: Wall Mounting → As a standard 	Accessory → Bracket 
Option 4: Hook Pendant Mounting → Available on request 	Accessories → Hook Ex-Hook Pendant Chain Ex-Straight Chain 
Option 6: Trunnion Mounting (only for B) → Available on request 	Accessory → EX-Slip Fitter Mounting Kit 