

FLPB-C - Energy saving floodlight

Description:

The FLPB-C floodlight consists of an aluminium alloy body and a hinged cover with thermo-resistant tempered glass front. It is supplied with all electric components (including energy saving lamps), link terminal and aluminium internal reflector and stainless-steel articulated mounting bracket. The FLPB-C projector provides about **80% energy saving** compared to the standard incandescent lamps.

Application:

The FLPB-C floodlight is suitable to light up large internal and external areas, where it is required low maintenance cost and energy saving.

Material:

Body and cover: copper free aluminium alloy.
 Window: thermo-resistant tempered glass.
 Internal reflector: aluminium.
 Screws and bracket: stainless steel.

Certification characteristics:

Type of Protection: II 2GD Ex d IIB / Ex tD A21
 II 2GD Ex de IIB / Ex tD A21.
 Class of Temperature: T5 / T100 °C → T4 / T135 °C.
 Protection Degree: IP66.
 Certificate: INERIS 07ATEX0034X.
 Ambient Temp: -20 °C / +55 °C (+40 °C).
 Zones: 1 – 21 – 2 – 22.

Threads:

NPT (ANSI B1.20.1).
 Metric x 1.5 (ISO 261).

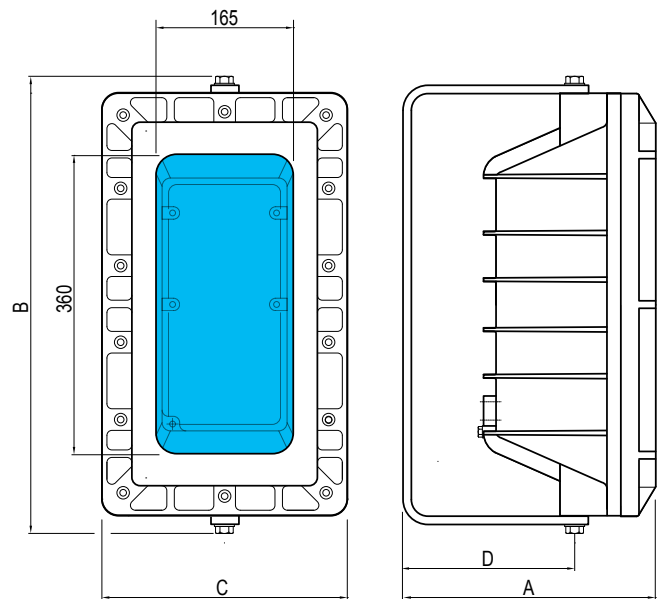
Inhibiting treatments:

Standard epoxy painting RAL 7000.

On request:

Stainless steel version AISI 304 or AISI316L.
 Internal lamp.
 Other epoxy painting colours different from the standards.
 Special inhibiting treatment.
 Cable glands for armoured or non armoured cable.
 Polar curve.

Drawing FLPB-C



Legend:

A - Maximum external dimension.
 B - Maximum external dimension with cover.
 C - Maximum external dimension.
 D - Fixing bracket height.

Drawing dimensions [mm].

Grounding:

External: M6 grounding point.
 Internal: M5 grounding point.

FLPB-C - Data Table

Dimensions [mm] and approx. Weight [Kg]

Type	Internal Lamp	Power	Temp. Class		Dimensions				Weight
			T. amb. +40 °C	T. amb. +55 °C	A	B	C	D	
FLPB-C	n. 4 Energy Saving lamps	4 x 23 W	T 5 / T100 °C	T 4 / T135 °C	360	555	310	270	24

Notes:

- 1) For the Ex de version, a safety increased enclosure for power cables entry has to be included.
- 2) For Ex de version, letter "E" has to be added after "FLPB" (e.g. FLPBE-C).
 For stainless steel version, letter "X" has to be added before lamp type (e.g. FLPB-XC).
 Complete example - FLPBE-XC: floodlight with energy saving lamps, Ex de, in stainless steel material.
- 3) Standard cable entry: n. 1 entry Ø ½" NPT (Ex d version) and n. 2 entries Ø ½" NPT (Ex de version).
- 4) Maximum cable entry size: ¾" or metric equivalent threads.
- 5) Lamp holder type: E27.
- 6) Maximum rated voltage: 240 Vac.

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