

Explosion proof Ballast and Emergency inverter for use with ARC lamps - LED version

DESCRIPTION

The new Barel LED series is designed to replace fluorescent lamps in conventional luminaries for Ex zones 1 & 2. HFX LED is a constant current power supply designed to meet the special requirements of LED operation

HFXE LED version includes a battery charger and inverter to operate the LED lamp from a back-up battery

ARC 600 / ARC 1200 LED Lamps are designed to replace traditional fluorescent lamps

Suitable for use in:

Superior functional life, practical use and high efficiency are the key benefits from choosing the new Barel Ex LED system in

Gas Stations

Fuel Reservoirs

Oil Tankers

Mines

Plants

Mills

On / Offshore installations



TECHNICAL DATA

HFX/HFXE Certification:	Presafe 14 ATEX 5355U, IECEx PRE 14.0039U
Apparatus category/EPL:	Ex II 2G / Gb
Type of protection:	Ex eb mb IIC T4
Amb. Temp.(Ta) / Tc:	HFXE: (-52 to +65°C) / 77°C – HFX: (-42 to +65°C) / 77°C
Rated voltage / Frequency:	110 – 254V _{AC} / 220-250V _{DC} / 50 – 60Hz
Power factor:	0,90 – 0,96
Basic dimensions (LxWxH):	HFXE: 285 x 75 x 32 mm – HFX: 285 x 41 x 32 mm
Weight (for reference only):	HFXE: 960g – HFX: 510g
ARC LED certification:	Presafe 15 ATEX 6296U, IECEx PRE 15.0014U
Apparatus category/EPL:	Ex II 2G / Gb
Type of protection:	Ex mb op is IIC T4
Amb. Temp.(Ta) / Tc:	ARC600: (-52 to +65°C) / 80°C – ARC1200: (-52 to +65°C) / 80°C
Light output Lumen:	ARC600: 2500-2800 - ARC1200: 5000 - 5600 - Emergency: 25 %
Suitable battery:	4,8V 4Ah NiCd Ex battery
Expected system life time:	L70B50 exceeds 75.000 hours at Tc <55°C
Basic dimensions (LxWxH):	ARC600: 576 x 61 x 11 mm – ARC1200: 1136 x 61 x 11 mm
Weight (for reference only):	ARC600: 630 g – ARC1200: 1250 g (for reference only)

