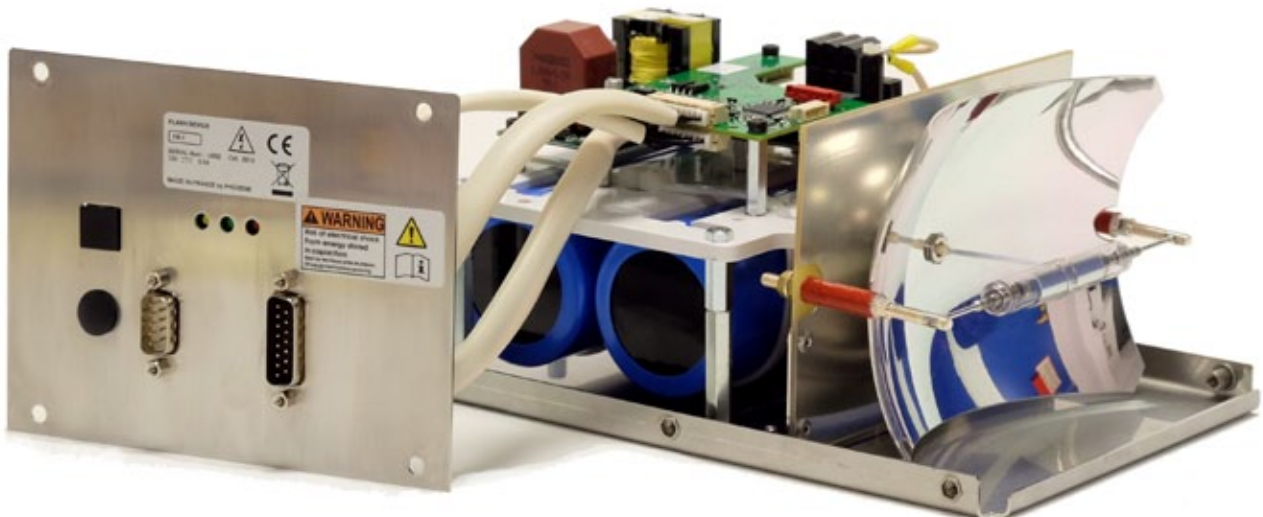




Fx - 1 Smart & Flexible flash illuminator

Specifications table



Phoxene, innovative solutions for Traffic enforcement

In 2016, Phoxene extends its flash device range dedicated to speed and red light traffic enforcement.

Beyond its outstanding power and compactness, the Fx flash unit has been designed for an easy integration within traffic control system:

- ▶ Compliant with EN61000-6-2, EN61000-6-3 and EN60065,
- ▶ RS232/RS485 interface for monitoring and setting the flash device, including dynamic adjustment of light energy,
- ▶ Modular optical design - light colors and beam angles,
- ▶ 2 light intensity levels assigned to 2 trigger inputs.

Fx-1 specifications table

Specifications	Unit	Value
Photo. guide number at 100 ISO ⁽¹⁾	f-stop x m	50
Distance for well exposed picture, 400 ISO, f2.8 ⁽¹⁾	meter	35
Standard beam angles VerticalxHorizontal ⁽³⁾	Degree	11 x 36
Flash duration ⁽¹⁾	µs	<300
Available Stored energy	Joule	250
Selectable energy per shot	Joule	20 to 80
Rated energy ⁽²⁾	Joule	60
Time between 2 shots	ms	20
Max. number of shots in a 50 Hz burst before recharge ⁽¹⁾	shot	4
Max. number of shots in a 5 Hz burst before recharge ⁽¹⁾	shot	5
Max. number of shots in a 1 Hz burst before recharge ⁽¹⁾	shot	12
Maximum repetition rate, 24/24h at 25°C ⁽¹⁾	Hz	0,75
Conversion power at 25°C	Watt	60
Operating voltage	Volt	+9 to +16
Peak supply current	Amp	5,5
Stand-by consumption	Watt	2
Lifespan of the lamp ⁽¹⁾	shot	300 000
Operating ambient temperature	°C	-20 to +55
Body size (l x w x h) with stainless steel casing	mm	224 x 144 x 112
Weight, ready for use, with stainless steel casing	kg	2,4
Power supply and trigger connector type		Sub-D
RS232 Interface connector type		Sub-D
Maximum energy RS232 adjustment time	ms	1,5
Flash energy adjustment mechanical switch		Optional

(1) at rated energy and standard beam angles configuration

(2) the rated energy is the value for which the device is optimized and set by default

(3) beam angles are given for a light attenuation below 50% (equivalent -3dB or 1 f.stop)

Options

Thanks to its modular design, various options can be proposed:

- ▶ Fx-1 is fitted with a transparent window, but red light (> 650nm) and infrared light (> 800nm) windows are available in option.
- ▶ Available beam angles configurations (vertical x horizontal): 8 x 32, 11 x 36, 20 x 36. Other beam angles in option.
- ▶ Flash sequences can be programed (energy, number of shots, delay).

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