

7. Accessori

- 329.637 Triopan adattatore coni segnaletici (regolabile)

8. Avvertenze sulla sicurezza

8.1 Responsabilità dell'utilizzatore

1. Assicurarsi che questo documento sia disponibile per l'utilizzatore. Il documento è disponibile su www.triopan.com/service-center/downloads oppure su



2. Leggere attentamente le presenti istruzioni per l'uso prima della prima messa in funzione dell'apparecchio.
3. Questo apparecchio è stato concepito solo per l'uso descritto nelle presenti istruzioni.
4. Il produttore declina ogni responsabilità per ogni uso del prodotto improprio o non conforme alle disposizioni.
5. Il prodotto non è omologato per l'uso in ambienti a rischio esplosione. Gas infiammabili e fumo rappresentano un grave rischio per la sicurezza.
6. Per la manutenzione è consentito utilizzare solo pezzi originali del produttore.

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**TRIOPAN**



Fireball
Operating instructions

German

French

Italian

English

1. Safety information

CE The CE symbol attached to the device highlights conformity with the directives 2014/35/EU (low voltage directive) and 2014/30/EU (electromagnetic compatibility)

In order to ensure safe operation, please take note of the following information:

! **Risk when used:** dangerous situations, which will definitely result in a serious injury or even death, if they are not avoided.

i **Note:** Highlights information that does not relate to personal injury, e.g. notes regarding physical damage.

2. Description

The Triopan Fireball is a mini LED flash lamp for temporary signalling. The small flash lamp can be used as follows:

- In combination with a Triopan folding sign
- In combination with a traffic cone (→ adapter needed)
- Magnet function; e.g. on a emergency vehicle
- On the floor

The mini flash lamp, which is controlled via a microprocessor, is operated with 6 AA batteries and has an operation time of ca. 45 hours.

The spherical lens guarantees perfect light distribution, which ensures the single flash can be seen clearly.

The benefits provided by the Triopan Fireball:

- Extremely compact
- Very user-friendly
- No additional adapter needed for the Triopan folding sign
- Consistent flash intensity, brightness and flash duration

3. Operation

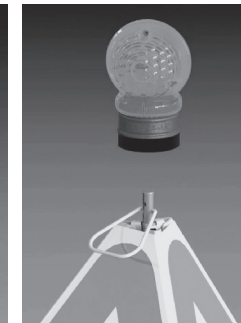
3.1 Activation

The lamp is delivered without batteries. Please insert the correct batteries before operation in accordance with the following instructions:

**Insert batteries –
6 AA batteries**



**The Triopan Fireball fits on
any folding sign**



3.2 Operation

1. Insert batteries → Lamp flashes automatically to check its functioning
2. Switching lamp off → Press the white setting pin for 2 seconds and then release it (→ using your finger, pen, key)
3. Switching lamp on → Manually (press the white setting pin) or simply place it on the Triopan folding sign or traffic cone so that contact is established!
4. Switching lamp off → When the lamp is on the Triopan folding sign or traffic cone, after being on for 2 seconds, simply remove the lamp or switch it off manually by pressing the setting pin for 2 seconds

3.3 Storage/Transport



Note: Do not store the lamp with batteries inside, in order to ensure the batteries do not leak inside the device.



Attention, danger: Do not store any inflammable material close to the lamp.

The original packaging protects the lamp against damage.

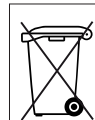
3.4 Cleaning

Clean the product with a cleaning cloth.
Do not use any scouring agents or solvents.

3.5 Operation modes

When equipped with fresh batteries, the lamp will produce 60 flashes per second with a light duration of 50ms. Once the batteries reach the end of their usable service life, the flash duration is reduced to 10ms and a red LED will light up. You should then replace the batteries as quickly as possible.

3.6 Device disposal



Lamps, batteries, accessories and packaging should be disposed of correctly in the appropriate recycling containers. Do not throw these items into normal household rubbish bins. This product should not be disposed of in normal household rubbish bins. According to European directive 2012/19/EU on old electrical and electronic devices, lamps that no longer function and old batteries must be disposed separately in the appropriate recycling containers in accordance with directive 2006/66/EC.

4. Technical data

- Single flash
- Light intensity 280 cd, light colour yellow, flash frequency 60 fl./min.
- Operating time with battery at 20 degrees Celsius: 45 hours
- 6 AA batteries

5. Warning lights standard EN 12352

The Triopan Fireball is manufactured on the basis of the requirements of EN 12352 and can be positioned as follows:

5.1 Classes of warning lights (Table 1 from EN 12352)

Table 1 – Classes of warning lights

Class	Area of light-emitting surface in cm ²	Angles		Light intensity			
				with rated voltage		with minimum voltage	
		Horizontal	Vertical	I_{Rmin} in cd	I_{Amin} (% von I_{Rmin})	I_{Amax} in cd	I_{Umin} (% von I_{Rmin})
L1	(Siehe 4.1.2)	360°	+5° bis -5°	1	100	100	50
L2L	≥ 18	+7° bis -7°	+7° bis -7°	25	25	100	25
* L2H	≥ 18	+7° bis -7°	+7° bis -7°	150	25	1500	25
L3	≥ 75	+10° bis -10°	+5° bis -5°	2	50	100	25
L4A	≥ 140	+10° bis -10°	+5° bis -5°	43	25	100	15
L5	≥ 140	+2° bis -2°	+2° bis -2°	500	25	2000	25
L6	≥ 2 x 250	+10° bis -10°	+5° bis -5°	10	25	100	12,5
L7	≥ 250	+10° bis -10°	+5° bis -5°	20	25	100	12,5
L8G	≥ 250	+7,5° bis -7,5°	+5° bis -5°	25	25	100	12,5
L8L	≥ 250	+7,5° bis -7,5°	+5° bis -5°	250	25	500	12,5
L8M	≥ 250	+7,5° bis -7,5°	+5° bis -5°	500	25	1500	12,5
L8H	≥ 250	+7,5° bis -7,5°	+5° bis -5°	1500	25	5000	12,5
L9L	≥ 700	+1,5° bis -1,5°	+1,5° bis -1,5°	500	25	2000	12,5
L9M	≥ 700	+1,5° bis -1,5°	+1,5° bis -1,5°	2000	25	8000	12,5
L9H	≥ 700	+1,5° bis -1,5°	+1,5° bis -1,5°	20000	25	40000	12,5

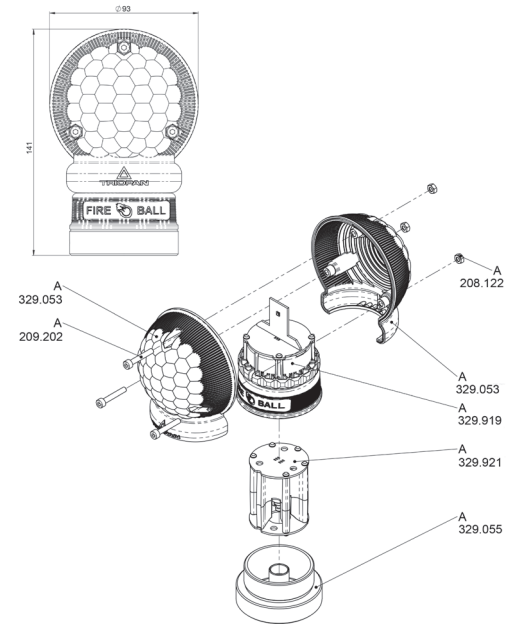
* This class only applies for flash lamps according to class F4

* The Triopan Fireball corresponds with class L2H.

5.2 Other criteria/classes based on the standard

Criterion	Class
Light-emitting area	P1: The projection is round
Reflective mechanisms	R0: No requirements
On/Off dimmer switch	A0: No requirements
Variable light intensity or dimmer switch	V0: No requirements
Voltage display (only for battery-operated lamps)	I0: No requirements
Flash rate	F2: Lamps with a flash rate of between 55 and 75 impulses per minute
On time	O3: $(t_2 - t_1) \leq 10\%$

6. Spare parts



Article no.	Name
329.053	Lens half-shell Fireball (ball shape)
209.202	ZYL.SCHR.M.I-6KT. M4x25 8.8 galvanised
208.122	Hexagonal nut 0.8d M4 BN 117
329.919	Flashing light yellow/yellow complete for Fireball
329.921	Battery holder complete for Fireball
329.055	Lower section housing (aluminium) Fireball

7. Accessories

- 329.637 Triopan traffic cone adapter (adjustable)

8. Safety information

8.1 Responsibilities of the operator

1. Ensure this document is available for users to read.
The document can be obtained from www.triopan/service-center/downloads or by scanning the code



2. Read the operating instructions carefully before using the device for the first time.
3. This device may only be used for the purposes described in this document.
4. The manufacturer rejects all and any liability for improper use of the device or utilisation that does not correspond with the intended use.
5. The product is not permitted for use in areas where there is a risk of explosion. Inflammable gases and smoke represent a significant risk.
6. Only original parts from the manufacturer may be used when servicing or maintaining the device.

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