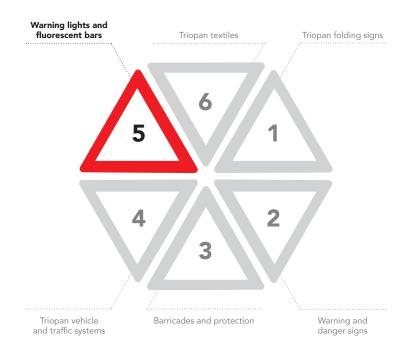


Triopan product range at a glance



Dear Interested party,

How important is Swiss quality to you?

In this brochure, Triopan AG presents their current product range from the "Triopan warning lights and fluorescent bars" line. We strive to manufacture as many of our products as possible and would like for you to profit from this flexibility, when it comes to custom orders, for example.

- Extensive experience in the field of warning light production
- More Swissness through the high level of in-house production
- High-quality products and flexible service

As a manufacturer, we make a broad range of products available to you that we constantly adapt to current demands in order to meet your needs. If you have other concerns or would like some advice, please contact us.

We are looking forward to a trusting and good working relationship.

Best regards from Rorschach Triopan AG

Energy efficient warning lights for long-term traffic information







Triopan has a comprehensive line of modern warning lights. The Circo and Helios product lines define the assortment of warning lights. Our own designs in the Helios and Circo lines comply with European standards. Triopan warning lights are durable and do not require expensive maintenance.

- Warning lights from the Helios line are designed in-house
- European standards are met
- No expensive maintenance





Triopan Helios for quick usage

The Triopan Helios line belongs to the warning light series for traffic regulation in the event of "road closures", "detours", and "events of all kinds" for major and secondary roads in accordance with norm SN 640 886. This lights also comply with norm SN 640 885 for usage on motorways. In reference to the type of lighting by night described in norm SN 640 886, Triopan AG recommends the use of electronic flashing lights from the Triopan Helios line.

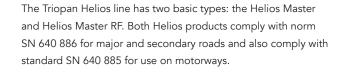
Triopan Circo for protection at roadwork sites

The Triopan Circo product line is the warning light serie for "roadwork site protection" in accordance with SN 640 886 for the UVEK (Federal Department of Environment, Transport, Energy and Communications) for use on major and secondary roads.

Triopan Helios Master







- Complies with standard SN 640 886 for major and secondary roads
- Also complies with the standard SN 640 885 for use on motorways
- Two basic types
 - Triopan Helios Master with folding feet
- Triopan Helios Master without folding feet



Product details

Item number	Description	
	Triopan Helios Master LED with <u>1-sided</u> 200 mm lens; without folding feet	
777.464 777.465 777.466 777.467 777.468	yellow lens red lens green lens blue lens white lens	
777.474 777.475 777.476 777.477 777.478	Triopan Helios Master LED with 1-sided 200 mm lens; with folding feet yellow lens red lens green lens blue lens white lens	
777.402 777.403 777.404 777.405 777.406 777.407 777.408	Triopan Helios Master LED with 2-sided 200 mm lens; without folding feet red and white lens red and yellow lens yellow lens red lens green lens blue lens white lens	
777.442 777.443 777.444 777.445 777.446 777.447 777.448	Triopan Helios Master LED with 2-sided 200 mm lens; with folding feet red and white lens red and yellow lens yellow lens red lens green lens blue lens white lens	
Features: single, d	ouble and triple flash, Background light	
	without holder), large bracket, super LED with extremely high energy lifespan, <u>no</u> bulb replacement	
Technical informat		
Operating time wi	ith battery at 20 degrees Celsius se 800: Single flash: 250 hrs., double flash: 200 hrs., triple flash: 150 hrs. ife battery: Single flash: 920 hrs., double flash: 680 hrs., triple flash: 500 hrs.	

Triopan Helios Master RF – more effect with a synchronised flash





The RF line of Triopan Helios Master covers a multifunctional synchro-flash lamp! Up to 10 flash lamps can be linked togehter over a distance of 100 meters. The first lamp you set on is the master an it will forward the signal to the other lamps! The synchro function is possible until 10 lamps – afterwards a new synchro-cycle will be established!

Operation of the RF-version is simple due to 1 switching lever: through pushing short or long to front or back you can activate different features.

At the side of the lamp covering all different features are mentioned, so nothing should avoid the operation!

Product details

Article number	Description	
777.484 777.485 777.486 777.487 777.488	Triopan Helios Master RF LED with 1-sided 200 mm lens; without folding feet yellow lens red lens green lens blue lens white lens	
777.434 777.435 777.436 777.437 777.438	Triopan Helios Master RF LED with 1-sided 200 mm lens; with folding feet yellow lens red lens green lens blue lens white lens	
777.454 777.455 777.456 777.457 777.458	Triopan Helios Master RF LED with 2-sided 200 mm lens; without folding feet yellow lens red lens green lens blue lens white lens	
777.494 777.495 777.496 777.497 777.498	Triopan Helios Master RF LED with 2-sided 200 mm lens; with folding feet yellow lens red lens green lens blue lens white lens	

Product details

Article number

Description

Features

- Simple, double and tripple flash
- Background lighting
 Set-up light, cycle light and storm light

Technical information

lights brightness 350 cd., light colour yellow, flash rate 60 flashes/minute

Operation time with batterie at 20 degrees: batterie type 800: simple flash 200 hours, double flash 150 hours, tripple flash 100 hours long-life batterie: simple flash 800 hours, double flash 600 hours, tripple flash 400 hours



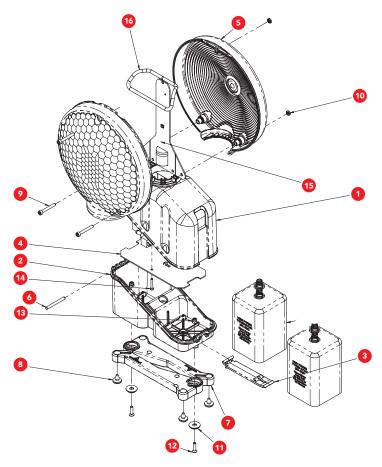
The operation video of our Triopan Helios Master RF you can find on our homepage! Please have a look!



Spare parts

Triopan Helios Master – Triopan Helios Master RF

LED with <u>2-sided</u> 200 mm lens; with or without foldable feet



POS no.	Designation	Volume	ltem no.
1	Upper section lamp housing	1	331.544
2	Lower section housing for legs	1	331.545
3	Closure lever	1	331.546
4	Lower section flashing light (ship)	1	329.251
5	Helios half-shell lenses		
	Blind lens (yellow)	2	333.014
	Yellow lens	2	332.866
	Red lens	2	332.869
	Green lens	2	332.868
	Blue lens	2	332.867
6	Cylindrical pin DIN EN 28734 4m6x40	1	330.175
7	Folding leg	2	331.549
8	Push button buffer D14	4	331.550
9	Cylinder screw with hexagon socket 8.8 M4x30 galv	3	322.004

POS no.	Designation	Volume	ltem no.
10	Hexagonal nut 0.8d M4 BN 117	3	208.122
11	Disc for countersunk screw M6 BN 1277	2	207.087
12	Countersunk screw with I-6KT.M4x16 BN 21	2	214.699
13	Self-locking nut M4 (3211) with polyamide insert BN 161	2	207.251
14	Plastic screw Ø 2.5 x 10	2	329.060
15	Helio flashing light		
	Flashing light one-sided yellow	1	333.007
	Yellow flashing light	1	321.614
	Red flashing light	1	333.008
	Green flashing light	1	333.009
	Blue flashing light	1	333.010
16	Mounting bracket for Helios	1	321.620

Triopan Fireball – the strong and small solution









Triopan Fireball the youngest in-house development, is a "eye-catcher" on roads! Besides to the optical impression the Triopan Fireball has a good performance in relation to quality of flash, brightness and power efficiency!

Small and powerfull – that's the Fireball! Operated with 6 AA-batteries, the Triopan Fireball is light and handy! The Triopan Fireball is adaptable to every Triopan folding sign and easy to manage!

The operation video of our Triopan Fireball you can find on our homepage! Please have a look!



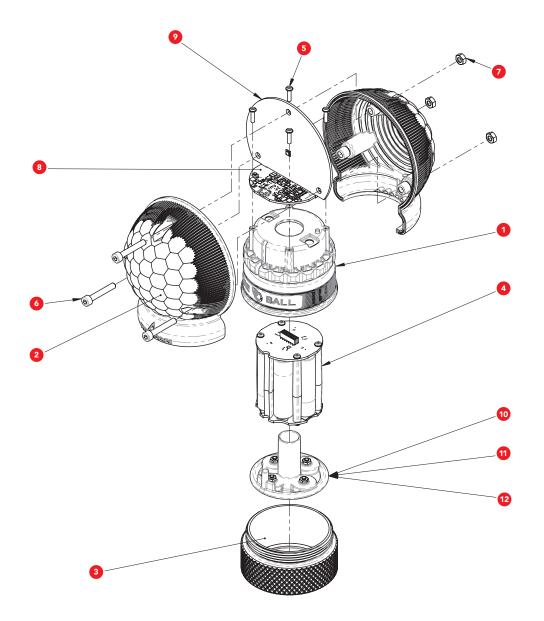
Product details

Article number	Description			
777.900 777.901 777.902 777.903	Triopan Fireball yellow lens red lens green lens blue lens			
	Features • Flash simple and continuous Technical information Light intensity 600cd, light colour yellow, flash frequency 50 flashes/minute Operation time with batteries at 20 degrees: 6 AA-Batteries: 100 hours With corresponding holding systems, a practical stockage and managing is granted!			
329.637	Traffic cone adapter (adjustable)			
330.677	Fireball stand	5		
330.176	Support for road beacon/Special cone adapter			
331.782	Multifunctional support for Triopan Fireball			
331.787	Transport bag for up until 4 Triopan Fireball			

The Triopan Fireball and corresponding holding systems give you a practical package for an optimal lightning solution as an accessorie to the Triopan folding sign!

Spare parts

Triopan Fireball



POS no.	Designation	Volume	Item no
1	Battery case	1	329.054
2	lens yellow	2	329.053
	lens red	2	330.336
	lens green	2	330.334
	lens blue	2	330.337
3	Screw cap lock	1	330.666
4	Battery pack	1	329.921
5	Plastic screw Ø 2.5 x 10	4	329.060
6	Cylinder screw DIN 912 M4x25	3	209.202

* Replacement/repair of position 8/9 by Triopan A	AG only.
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POS no.	Designation	Volume	Item no.
7	Hex nut ISO 4032 M4	3	208.112
8*	ship	1	331.538
9*	Fireball aerial yellow	1	331.539
	Fireball aerial red	1	330.783
	Fireball aerial green	1	330.786
	Fireball aerial blue	1	330.785
10	Plastic bottom compl.	1	331.955
11	Magnet D13.6 hard	4	329.347
12	O-ring D50x1.5	1	330.671

Triopan Circo







The Triopan Circo line includes both Circo products with one or two batteries. Circo roadwork lights have an ideal combination of 360 degree lens technology. Circo products have continuous or flashing light options and are extremely energy efficient due to the dusk mode.

- Ideal combination of "360 degree" lens technology (dome lens), light diodes and driver electronics with a dimmer-controlled continuous and flashing switch
- Extremely energy efficient
- Long lifespan of up to several months without maintenance

Product details

Article number	Description	
777.777	Triopan Circo 2, LED, surrounding light (dome lens) Flashing/continuous light, automatic dusk sensor with wire ring (without holder and batteries)	
777.778	Triopan Circo 2 with holder, LED, surrounding light (dome lens) Flashing/continuous light, automatic dusk sensor	
	 Light diodes with extra-long lifespan No bulb replacement Extremely inexpensive Only one battery 	
	Technical information: Surrounding light 3 cd, light colour yellow, flash frequency 55–65fl./min.	
	Operating time with battery at 20 degrees Celsius: Dry cell battery type 800: Continuous light 700 hrs., flashing light 2700 hrs	
	Triopan extended-life battery: Continuous light 2500 hrs., flashing light 8600 hrs.	
313.770	Triopan lamp key for roadworks light	
328.134	6-edged floor insert for Triopan flasher lamp	

Triopan LED fluorescent bars





Triopan LED bulb P13.5

Triopan LED bulbs fit in all torch lights with a P13.5 bulb socket and in the Triopan LED fluorescent bar. They can easily be retrofitted. The durable LED is extremely impact-resistant and perfect for use in torch lights. They have lifespan that is up to 1000 times longer than conventional krypton halogen bulbs. The impressive specs of the Triopan LED speak for themselves and make them a suitable ecological alternative.

Triopan fluorescent bars

For many years, Triopan has been successfully marketing their fluorescent bars. Today we produce our own LED fluorescent bars and offer them in a variety of colours. All Triopan lustre cone inserts can be easily interchanged. The translucent material at the tip of the cone aids the reading of identification cards and other documents.

Article number	Description
327.900	"Triopan" LED bar with yellow cone
327.901	"Triopan" LED bar with red cone
318.060	Lustre cone, cone-shaped, yellow
318.061	Lustre cone, cone-shaped, red
320.031	Lustre cone, cone-shaped, green
320.032	Lustre cone, cone-shaped, white

Triopan stop signalling discs





Triopan has a variety of printed stop signalling discs in its product range. Thanks to the retro-reflecting designs, good visibility is ensured and battery replacement is no longer required.

Product accessories

Article number	Description	
305.240	"Polizei" stop signalling disc 2-sided, fully reflective, red/silver PAS disc ø 200 mm with edge protection, wooden handle 180 x 30 mm, painted black, rubber grip and nylon cord loop	Polizei
305.241	"Police" stop signalling disc 2-sided, fully reflective, red/silver PAS disc ø 200 mm with edge protection, wooden handle 180 x 30 mm, painted black, rubber grip and nylon cord loop	Police
305.242	"Polizia" stop signalling disc 2-sided, fully reflective, red/silver PAS disc ø 200 mm with edge protection, wooden handle 180 x 30 mm, painted black, rubber grip and nylon cord loop	Polizia
305.244	"Crossing guard" stop signalling disc PAS disc ø 250 mm 2-sided, red, reflective 2-sided, silver, reflective Dot ø 120 mm, with nylon handle, 400 x 20 mm, white	
308.562	STOP signalling disc 2.01 reverse side 2.01	STOP
318.166	Swivelling signalling disc DKT/60CG with stick in R1	
324.490 318.171	Swivelling signalling disc (60/CG) with stick in R2 Board stands, collapsible tripod	

Batteries

Article number	Description	
316.127	Triopan High Power type 800, 6V/7Ah; IEC 4R25 Cold-resistant dry cell extended-life battery, block battery with spring contact. When used in a construction site light, the operating time for continuous light is approx. 320 hrs., or for flashing light 1300 hrs.	HIGH POWER FYPROS GYTAM ISC-4225 Gene Carpy Harry Gay On Search On Manuary On Manuary On Manuary On Manuary
316.141	Triopan Air alkaline type 50 with extra-long lifespan 6V/45Ah This battery is activated by adding air via a valve which can be opened. Air alkaline batteries are highly recommended universal batteries which perform best if used continuously after activation. When used in an electronic flashing light, the operating time is approx. 160 hrs.	A Longistic Bustaria, Air Allacidine Typ 50 OV 8 5A OV 85A Allacidine Allacidine Air Allacidine
318.273	Batteries for the Bright Star fluorescent bar LSA LR20 battery, 1.5 Volt	• M Lecardio
318.277	Batteries for the Fireball/Helios Blaze LSA LR6 (alkaline), 1.5 V)	Energiter
331.962	Batteries for the Fireball/Helios Blazeze Lithium Iron FR6/2S, 1.5 Vol/2800 mAh	

Triopan offers suitable batteries for all Triopan warning lights and fluorescent bars. Triopan batteries have a sturdy design and guarentee a long lifespan.

- Resistant to cold up to -25 °C
- Good storability when in new condition
- Due to continuous discharge, brightness stays consistently intense

Product-specific standards

Arrangement of lights

(SN 640 886, 9) as per VSS (Swiss association of road and traffic experts)

Lighting

At night, or if local light conditions demand, non-blinding yellow lights must be used to indicate barriers, signals and traffic obstructions. The lights must be installed as follows at a height between 0.8 m to 1.0 meters above ground:

One light

- on solitary signals which protrude into the lane and
- barriers with a width of no more than 1.0 m at the side of the road. The light is to be attached at the outermost edge of the signal or barrier facing oncoming traffic.

Two lights

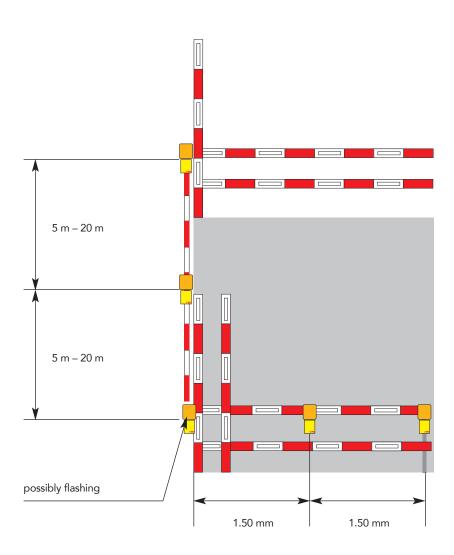
• on barriers up to a width of 1.5 m, at both outermost ends.

More than two lights

- on barriers running across the traffic flow with a width of more than 1.5 m, maximum distance between lights 1.5 m, and
- on barriers running along the road at distances between lights of 5.0 m to 20.0 m.

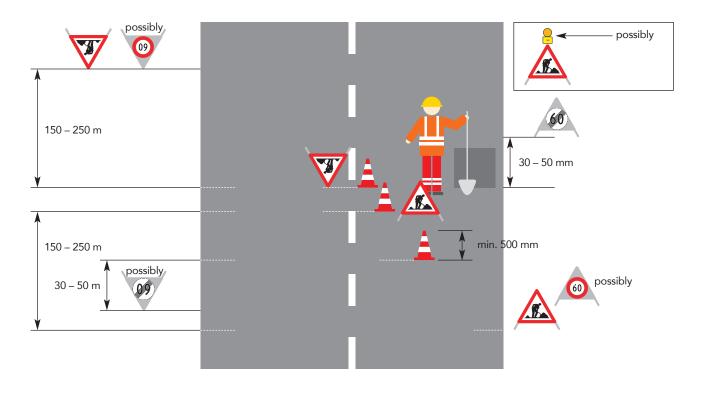
Flashing lights may only be used at the start of a long roadwork site on the corner facing oncoming traffic, or to indicate an addition, serious danger. Sequence flashing lights and standing lights may only be used on multi-lane roads.

The blinding effect of lights for working areas is to be avoided.



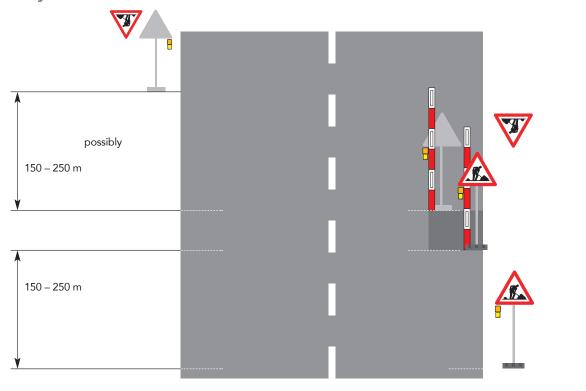
Daytime roadworks, obstruction in the lane

Rural roads



Daytime roadworks, obstruction in the lane

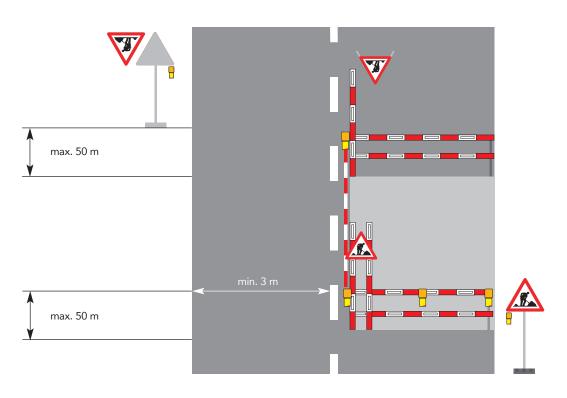
Maximum width 0.5 m, rural roads

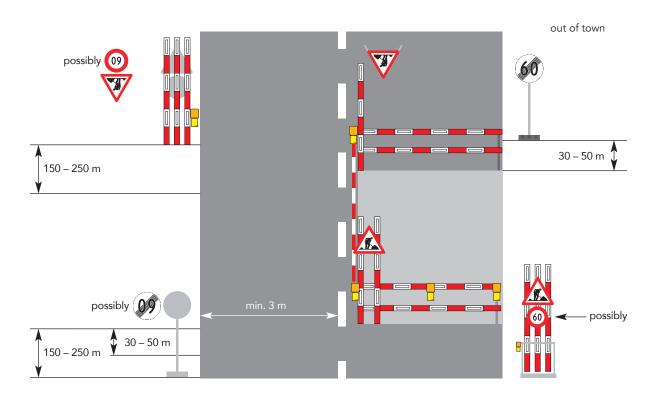


Product-specific norms

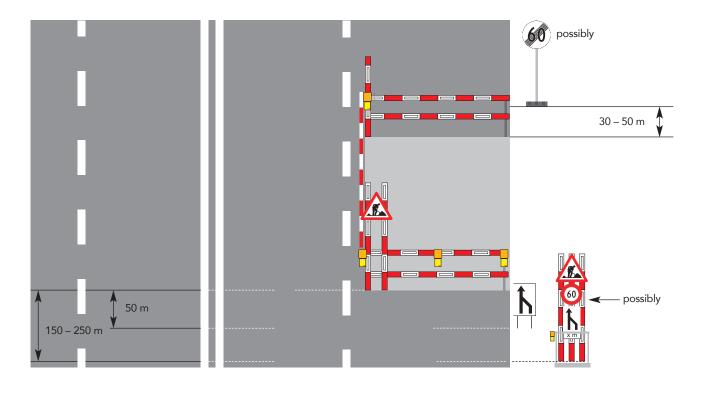
Order of precedence without additional signals

in town





Roadwork on right road shoulder (with level difference) out of town



Our manufacturing facility





Production in Rorschach on Lake Constance

Triopan AG is a family business located in Rorschach on Lake Constance. We place great importance on the Swiss manufacturing location and on having a high percentage of in-house production in our range of products.

Job security is very important to us. Therefore, we prefer suppliers from Switzerland for commercial products. When that is not possible, we stipulate Swiss standards and conditions, or modify the products accordingly.

Would you be interested in a "look behind the scenes"? Don't hesitate to contact us!

Contact us







Contact options

Here's the best way to get in touch with us. Check out Triopan AG online or using social media. Contact us by telephone during our operating hours.



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