



# R6+ Portable Traffic Signal

Itemno.87133-02COP

The R6+ Portable Traffic Signal head is a part of a solution for integrating individual signals into a unified vehicle fleet.

The concept consists of the BerlexConnect software and the R6+ signal heads hardware. The user has full control of the traffic signals and make operational changes without visiting the traffic signals on-site. Adaptable for use in shuttle operations, multiphase signaling, pedestrian crossings, and multiphase pedestrian crossings.

## Features

- Monitoring via smartphone, tablet or laptop
- Universal connectivity Cloud based platform
- Scalable system Unlimited signal heads
- Service friendly, all built in the signal head
- Extended runtime from days to months
- Versatile signal head mounting 24/7 - Instant supervision Unlimited operating distance
- Customizable access Traceability
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## Carriers & accessories

The signal head can be placed on trolley or stand. Used with Stand, also possible to use solar cell.

### Trolley for R6 Portable Traffic Signal

Item no. 87133-03

### Stand 130 kg for R6 Portable Traffic Signal

Item no. 87133-07

### Stand 170 kg with solar cell

### 50 W for R6 Portable Traffic signal

Item no. 87133-13



**TOPAS**

A supplier of TOPAS registered products



\*Carrier tested and approved in windtunnel at >26 m/s.



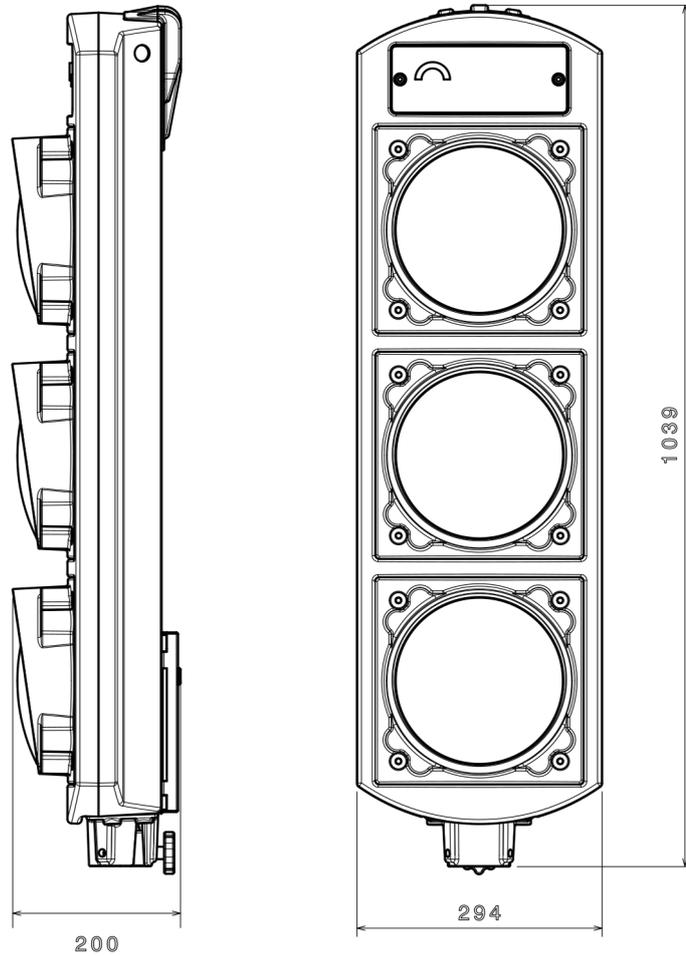
## Specification

Appearance		Features	
Color	Black	Auto-Recovery	Yes
Handle	Yes	Call All-Red from any signal	BXC
Material	HDPE impact-resistant plastic	Compliance	Topas 2540 B,D,E
Signal Head	Traffic, Vehicle	Controller Auto-sleep	Yes
Communication		Monitoring	Real-time tracking of unit
	Mobile network 2G/3G/4G, unbound operator Dual SIM-card	Signal Dimming	Integrated dimming for night-time operation
Controller		Measurement	
Max. Pedestrian Crossings	Unlimited	Depth (mm)	200
Max. Pedestrian Heads	Unlimited	Height (mm)	1039
Max. Pedestrian Phases	Unlimited	Mount (mm)	60 mm Ø tubes
Max. Signal Heads	Unlimited	Width (mm)	294
Max. Traffic Phases	Unlimited	Weight (kg)	10,4
Max. Vehicle Heads	Unlimited		
Environmental		Operating	
Bump	IEC 60068-2-27:2008 (with TOPAS 2130D, clause 2.4)	Administration	Cloud-service (BerlexConnect) accessed remotely from computer, mobile or tablet.
Cold	IEC 60068-2-1:2007 (with TOPAS 2130D, clause 3.2 as reference)	Distance	Unlimited
Damp heat Cyclic	IEC 60068-2-30:2005 (with TOPAS 2130D, clause 3.5 as reference)	Max number of phases	Unlimited
Drop	IEC 60068-2 (with TOPAS 2130D as reference)	Mode	Vehicle-, (radar) time- and manual controlled
Drop and Topple	IEC 60068-2-31:2008 (with TOPAS 2130D, clause 2.5 as reference)	Optical features	
Dry Heat	"IEC 60068-2-2:2007 (with TOPAS 2130D, clause 3.3 as reference)"	LED currents	Constant current LED drivers, stable luminance, independent of the mains voltage tolerances.
Dust Ingress	SS-EN 60529:2014 edition 1.2 IP5X KAT II)	Lights	LED 12VDC Red, Yellow, Green
EMC	EN 50293 (2012)	Performance	Level 3/2 M acc to EN12368
Impact	EN 62262:2002/A1:2021 (TOPAS 2130D, Revision D, Date 06/06/23)	Power	
Impact Resistant	IR3	Battery	Optional to choose
Random Vibration - Operational	IEC 60068-2-64:2008 (TOPAS 2130D, clause 2.2)	Battery Replacement	A built-in battery allows replacement without downtime
Shock	IEC 60068-2-27:2008	Integrated Charger	Battery charger for internal battery.
Water Ingress	SS-EN 60529:2014 edition 1.2 (IPX6)	No. of Batteries	Up to 2
Wind Tunnel Test	>26 m/s	Runtime on Single Charge	7-14 days, 1 x 12V/105Ah battery. With solar panel without battery change between april and october (measured in south Sweden).
		Voltage	12 V DC



## Specification

Radar & Radio	
Detection Technology	AGD 308
Operational Frequency	LTE GNSS
Radar	(AGD/MC-139)
Radar Frequency	24.150 - 24.250 GHz
Radar Power	(< 100 mW eirp)
Topas Certificate no	2024-0265



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