V11 Mobile Traffic Light, Ø200 mm LED, Set of 2, without Batteries

Signs compliant with SR 1848-1:2024



AT A GLANCE

- Set of 2 mobile traffic lights, each with 3 Ø200 mm LED lights and a control unit.
- Manual synchronisation, with no cable between the lights.
- Times adjustable from 1 to 495 s; flashing yellow.
- 12 V supply, about 150 h on a 100 Ah battery (not included).
- 46 kg per light, 92 kg the set.

Product code	**V11-20**
Category	**Warning Lights**
Weight	**92 kg**
Compliance	**Signs compliant with SR 1848-1:2024**

This product on attotrafic.ro
https://attotrafic.ro/en_US/products/semafor-mobil-v11-led-o200-mm-set-2-bucati-fara-acumulatori

Technical specifications

Set contents	2 mobile traffic lights, each with its own control unit
Lights	3 x LED D-200 mm (red, yellow, green)
Light intensity	automatic, by ambient light
Synchronisation	manual, cable-free (internal clock, START pressed on both units together)
Distance between lights	depends on the travel time through the section
Adjustable times	all-red, green phase 1, green phase 2
Time range	1-99 s (5-495 s in x5 mode)
Modes	alternating cycle, flashing yellow
Alarms	failed lamps, low battery, fuse
Power supply	12 V battery or 12 V power pack (not included)
Max. signal head power	32 W at 12 V

Autonomy	approx. 150 h (new 100 Ah battery, 20 °C)
Weight	46 kg per light, 92 kg the set
Length	80 cm (box of one light)
Width	50 cm (box of one light)
Height	180-235 cm in use (adjustable, folding pole); box 70 cm
Transport	wheeled trolley with handle
Operating temperature	-20...+70 °C
Compliance	CE, Directive 2004/108/EC (electromagnetic compatibility)
Trolley colour	Yellow RAL 1023

Description

When roadworks narrow a road to a single lane, the two directions have to take turns. The V11 set does this automatically: two mobile traffic lights, one at each end of the section, give green to each direction in turn. Under SR 1848-1:2024, the mobile traffic light is placed on a narrowed road section to direct the two directions of traffic alternately.

What the set contains

Two complete traffic lights. Each has a yellow RAL 1023 wheeled trolley that holds the battery, with a cover that opens to 180°, a support foot and a handle, a pole carrying the signal head with 3 Ø200 mm LED lights (red, yellow, green), and its own control unit.

Manual synchronisation

There is no cable between the two lights: each control unit keeps time with an internal clock. You bring the lights side by side, set the same times on both, press START on the two units at the same moment, and only then take them to the ends of the section. Because they are not linked, the distance between the lights depends only on how long vehicles take to drive through the section. The lights must be synchronised again at least every 6 days, and while they run, staff must be present in the work zone.

Times and modes

On the control unit you set three times: red in both directions, so the section can clear, green for phase 1 and green for phase 2. Each runs from 1 to 99 seconds, or from 5 to 495 seconds in x5 mode. From the factory, all are 10 seconds. One button switches the light to flashing yellow and back to the normal cycle.

Safety

The unit constantly checks the lamps and the battery and shows a code when a light has failed, when the battery is running low or when the fuse has blown. If there is a safety problem, for example the red light fails, the traffic light switches itself to flashing yellow until it is fixed.

Power

Each traffic light runs on a 12 V battery or a 12 V power pack; the batteries are not included. With a new 100 Ah battery, the tested autonomy is about 150 hours at 20 °C. The light intensity adjusts automatically to the ambient light, so the signal stays clearly visible at night. The battery can be changed at any time without losing the synchronisation.

Transport

The pole folds over the trolley, and the light is wheeled away by its handle. Each traffic light weighs 46 kg, so the set weighs 92 kg, and the trolley box of one light measures 70 × 80 × 50 cm (height x length x width). Opened, the light's height adjusts between 180 and 235 cm. It works from -20 to +70 °C.

Spare parts

For maintenance there is the V11-CONTROL control unit, the Ø200 mm LED lights V11-D200-R, V11-D200-Y and V11-D200-G, and the complete V11-SUPORT signal head. The version with a countdown is the V11-21.

What the roadworks rules require (Order 1112/411/2000)

SR 1848-1:2024 provides the portable traffic light (V11) for a narrowed road section, to alternate the two directions of traffic. The methodological rules approved by Order MI/MT no. 1112/411/2000 allow three systems for alternating traffic: priority signs, traffic marshals, or traffic lights for automatic control, supplemented with priority signs. The system is chosen by traffic volume and section length; alternating traffic cannot be organised on a work section longer than 1,200 m. The section is announced in advance with the U9 (Traffic lights) temporary sign or the U34 panel.

The contractor installs the signing to the layout approved by the road authority with the traffic police's agreement, maintains and completes it for the whole job and removes it at the end; accidents caused by incomplete or missing temporary signing are entirely the contractor's responsibility.

Drawings and details · 1/3

Dimensiuni

Dimensions

cm

V11-20



Pliat, pentru transport

Folded, for transport



Lungime 74 cm în funcțiune, 84 cm pliat. Lățime 47 cm.
Length 74 cm in use, 84 cm folded. Width 47 cm.
Cutia de carton a unui semafor: 70 x 80 x 50 cm. 46 kg un semafor, 92 kg setul. Cărucior RAL 1023.
The carton of one light: 70 x 80 x 50 cm. One light 46 kg, the set 92 kg. Cart in RAL 1023.

V11-20 dimensions

Drawings and details · 2/3

Detalii
Details

V11-20



Cap cu 3 lumini LED D-200 mm
Head with 3 D-200 mm LED lights



Se pliază cu capul culcat pe cărucior
Folds with the head lying on the cart



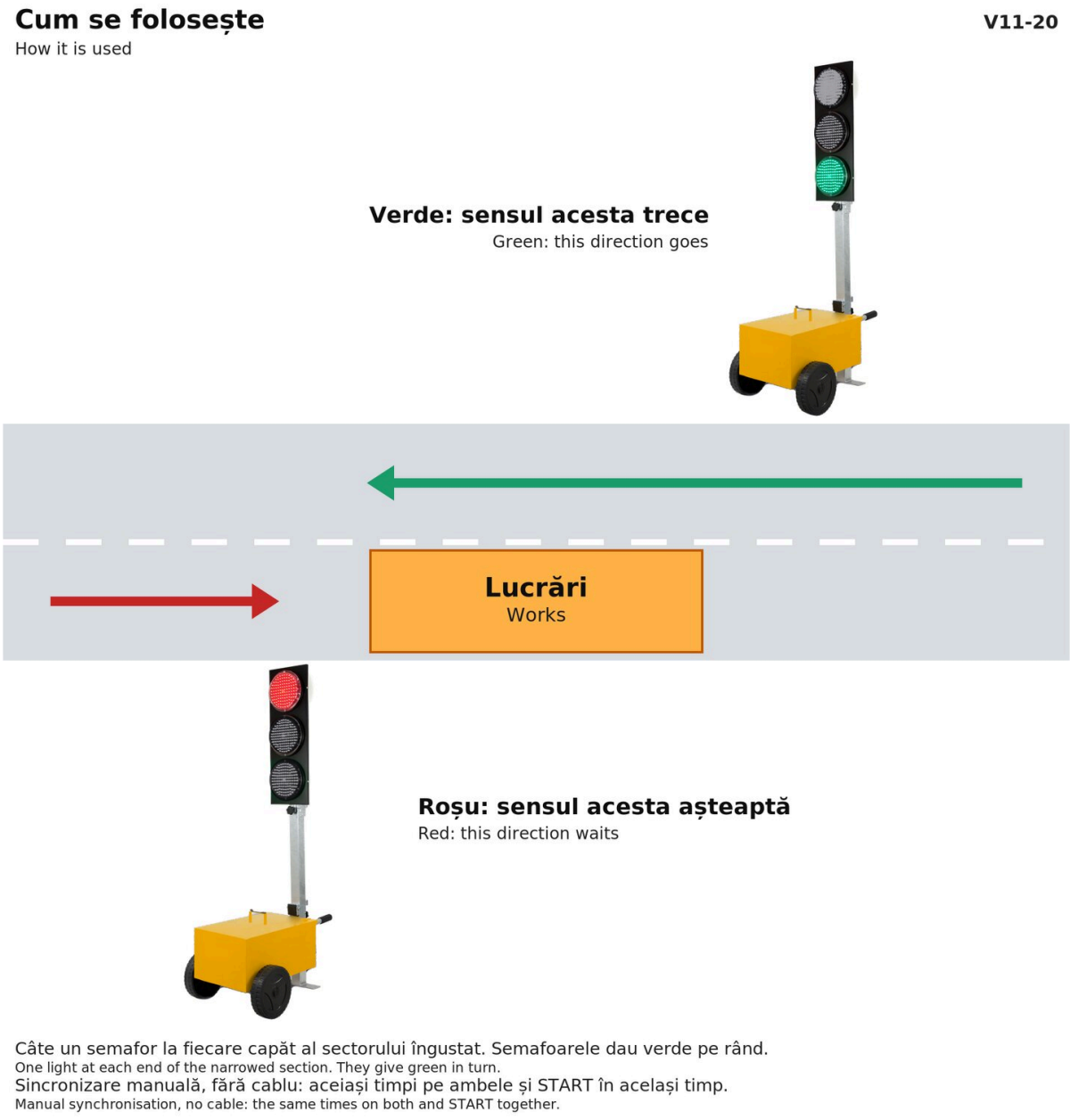
Acumulator (neinclus) și unitate de control, în cutie
Battery (not included) and control unit, inside the case



Cărucior cu roți, picior de sprijin și mâner
Cart with wheels, stand and handle

V11-20 details

Drawings and details · 3/3



V11-20: how it is used