A27 Warning Sign – Traffic Signals, 90 cm, Class II

Signs compliant with SR 1848-1:2024



AT A GLANCE

- Warning sign A27 "Traffic signals", to SR 1848-1:2024.
- Equilateral triangle pointing up, in 1 mm galvanised steel sheet.
- Class II (RA2) prismatic sheeting, guaranteed 10-year service life.
- Fixings included: 2 clamps for Ø48 mm posts and 4 bolts with nuts.
- CE marked; sheeting and paint resistant to UV and weathering.

Product code	**A27_II**
Category	**Metal Road Signs (Class II)**
Weight	**4 kg**
Compliance	**Signs compliant with SR 1848-1:2024**

This product on attotrafic.ro
https://attotrafic.ro/en_US/products/a27-semafoare-90-cm-clasa-ii

Technical specifications

SR 1848-1 code	A27
Name in the standard	Traffic signals
Type	Warning road sign
Shape and colours	Equilateral triangle pointing up, 90 cm side, red border and white background, with the three-colour traffic light
Size	90 cm
Format (SR 1848-2)	Large
Material	Galvanised steel sheet, 1 mm
Construction	Rounded corners, pressed edges, no sharp edges
Painting	Electrostatic, UV-resistant paint

Retroreflective sheeting	Class II (RA2), prismatic, UV-resistant
Retroreflection (white, 0.2°/5°)	250 cd/(lx·m²)
Sheeting service life	10 years (SR 1848-2)
Fixings included	2 clamps, 4 bolts with nuts
Post diameter	Ø48 mm (Ø60 mm on request)
Standards	SR EN 12899-1:2007, SR 1848-1:2024, SR 1848-2:2011, SR 1848-3:2011
Marking	CE

Description

The 90 cm, class II prismatic sheeting version of the sign that announces traffic lights. On a national road, where drivers arrive at speed, the larger triangle and brighter sheeting give them time to slow down.

Why class II

Class II means RA2 prismatic sheeting, which sends back three to four times more light than class I sheeting. It matters on fast roads and wherever the sign is seen at an angle, and in areas with street lighting, shop windows and advertising SR 1848-2 explicitly requires it, alongside class 3. The sheeting has a guaranteed 10-year service life.

Where it goes, under SR 1848-1:2024

In built-up areas it goes before each set of traffic lights only if space allows and the previous lights or junction are more than 1,000 m away. Outside built-up areas it goes at least 100 m before each set of lights.

Technical data

- equilateral triangle pointing up, 90 cm side, red border and white background, with the three-colour traffic light;
- 1 mm galvanised steel sheet, with rounded corners and pressed edges, no sharp edges;
- electrostatically painted with UV-resistant paint;
- class II (RA2) prismatic retroreflective sheeting, resistant to UV and weathering, with a guaranteed 10-year service life;
- fixings included: 2 clamps for Ø48 mm posts and 4 bolts with nuts;
- CE marked; compliant with SR EN 12899-1:2007, SR 1848-1:2024, SR 1848-2:2011 and SR 1848-3:2011.

Mounting and size

Fixings for the post are included: 2 clamps for Ø48 mm posts and 4 bolts with nuts; clamps for Ø60 mm posts are available on request. The bottom edge of the sign goes 1.50–2.50 m above the road or kerb, and the edge nearest the road 0.50–2.0 m from the road platform.

The post is ordered separately. For a fixed installation in a concrete foundation: the galvanised Ø48 mm post, 300 cm. For temporary use, with no foundation: the Ø48 mm tripod post, 120 cm. On concrete or paving, where you cannot dig: the Ø60 mm flange post, 300 cm, bolted down; for it, ask for the Ø60 mm clamps when you order.

The 90 cm triangle is the large format in SR 1848-2, required on national roads; the normal 70 cm format is for county and local roads, streets and private roads open to public traffic. The 70 cm version with class I sheeting is the A27.

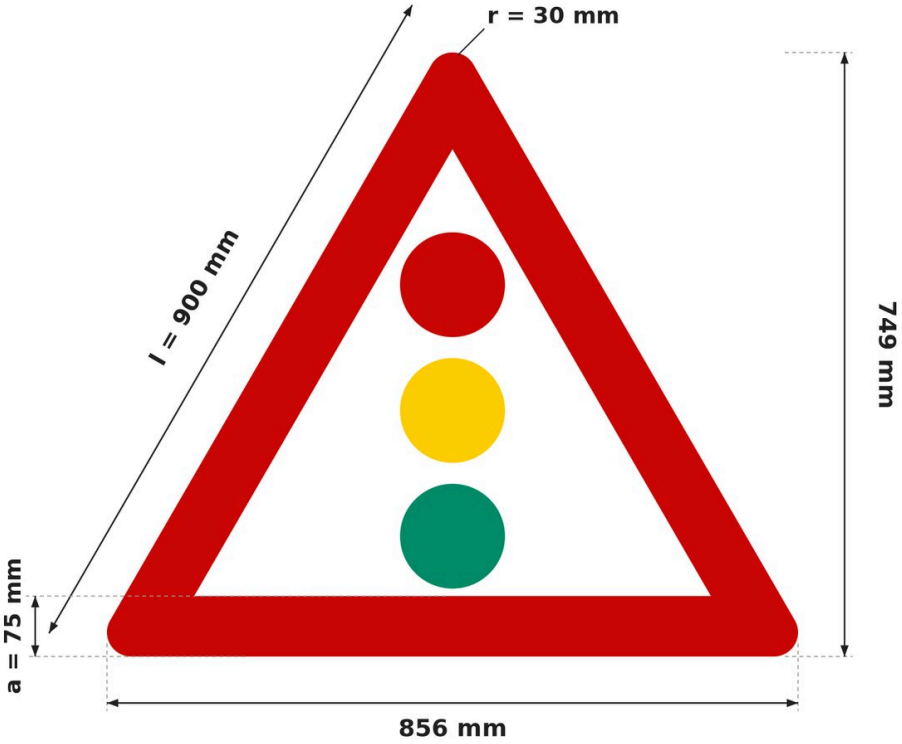
Drawings and details · 1/3

A27 – Semafoare

Traffic signals

90 cm · dimensiunile feței indicatorului

90 cm · sign face dimensions



Dimensiuni SR 1848-2 (mm)
SR 1848-2 dimensions (mm)

60 cm
l = 600 · a = 50 · r = 15 · Ø = 85
drumuri vicinale cu trafic redus
low-traffic local access roads

70 cm
l = 700 · a = 60 · r = 30 · Ø = 100
drumuri județene, comunale, străzi
county and communal roads, streets

90 cm
l = 900 · a = 75 · r = 30 · Ø = 130
drumuri naționale
national roads

120 cm
l = 1200 · a = 100 · r = 30 · Ø = 165
autostrăzi
motorways

Fond alb, chenar roșu; cotele sunt ale feței retroreflectorizante.
White background, red border; dimensions of the retroreflective face.

Panoul suport depășește fața cu 5–10 mm (SR 1848-2, 6.1).
The backing panel is 5–10 mm larger than the face (SR 1848-2, 6.1).

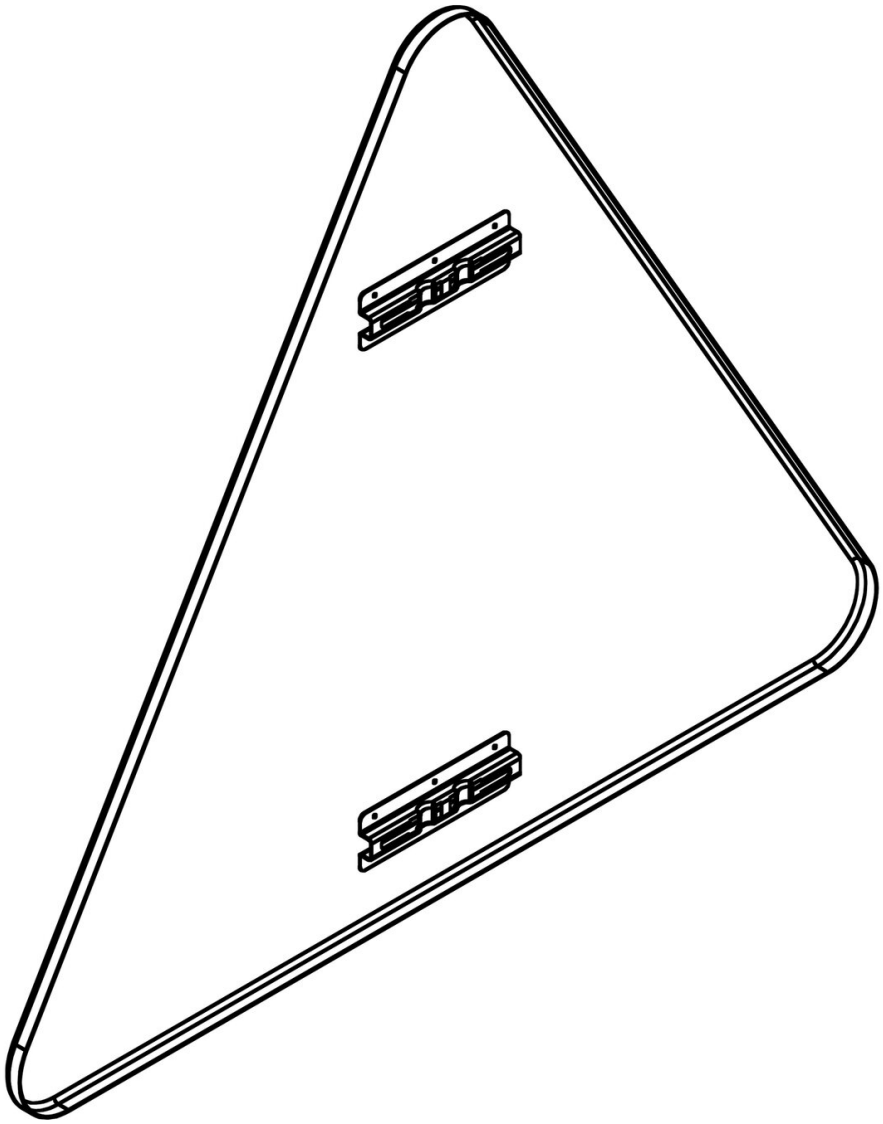
l = latura triunghiului cu colțuri ascuțite; colțurile se racordează cu raza r.
l = side of the sharp-cornered triangle; corners are rounded with radius r.

Formatul se alege după categoria drumului (SR 1848-2, 5.2); colțuri r = 15 mm la formatul mic, r = 30 mm la celelalte.
The format follows the road category (SR 1848-2, 5.2); corners r = 15 mm on the small format, r = 30 mm on the others.

Diametrul lămpilor: 85 / 100 / 130 / 165 mm (format mic / normal / mare / foarte mare).
Lamp diameter: 85 / 100 / 130 / 165 mm (small / normal / large / very large format).

Sursa: SR 1848-2:2011, tab. 2.
Source: SR 1848-2:2011, table 2.

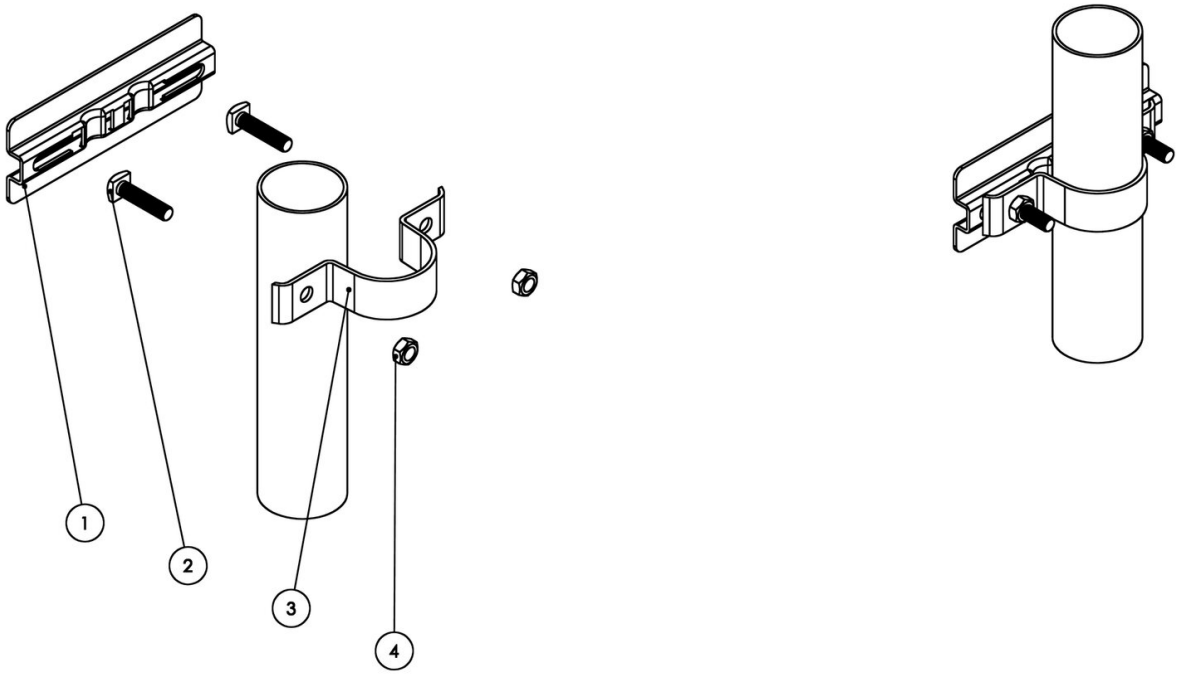
Drawings and details · 2/3



Drawings and details · 3/3

Prindere cu canal și colier, stâlp Ø48 mm

Channel and clamp fixing, Ø48 mm post



1 Canal de prindere din aluminiu (pe spatele panoului)
Aluminium fixing channel (on the back of the panel)

2 Șurub M8 × 35 cu cap pătrat, zincat (2 buc.)
M8 × 35 square-head bolt, galvanised (2 pcs)

3 Colier Ø48 mm din tablă zincată
Ø48 mm clamp, galvanised steel

4 Piuliță M8 zincată (2 buc.)
M8 nut, galvanised (2 pcs)

Set pentru un punct de prindere. Pentru stâlp Ø60 mm, colierele se livrează la cerere.
Set for one fixing point. Clamps for Ø60 mm posts are available on request.