

POLYCARBONATE TRAFFIC SIGNAL HEADS "SP" SERIES

(in compliance with EN 12368 norm)

Basing on more than forty years of experience, our traffic signals provide the following advantages:

- elegant line for a better urban decor
- high luminous intensity for a good visibility
- reduced or eliminated phantom effect for a better safety
- sturdy and simple construction, maintenance free
- good lightness for an easy installation
- environmental resistance to whatever climate

TECHNICAL FEATURES

CONSTRUCTION

Modular construction with modular elements, 200 and 300 mm diameter.

Doors with rapid clutch and spring-lock handle, complete with moulded polycarbonate lenses.

Visors with rapid clutch and differentiated rotation inserts against accidental fall

Brackets for 102 mm dia. pole mounting (elbow with small branch and little blade) and/or upon request for band-it and for hanging up on cantilever pole or rope.

Homologation by Italian Ministry of Public Works.

MATERIAL

High quality polycarbonate for a good mechanical resistance. UV stabilized, paste coloured, available in the following standard colours: Green, Yellow, Black, Yellow-Black combination. Other colours on request.

LENSES

Anti-shock polycarbonate, UV stabilized paste coloured, in Red - Amber - Green - Clear colours. Provided for being mounted with antiphantom filters.

LIGHT COMPLEX

Reflector with very high reflecting performances in aluminium Renal >99,8% with anodization >5 micron or in plastic specular material.

Rapid insertion of the reflector on fixed elastic element. E27 porcelain lamp-holder in compliance with CEI Norms and electrical wiring with terminals, without regulation to focalize the bulbs.

Light complex with lamp holder for Ba20 and halogen lamps: optional.

Possibility to mount symbol masks (arrows, man, bicycle, cross and tram bars). See the table below for optical features.

WIRING

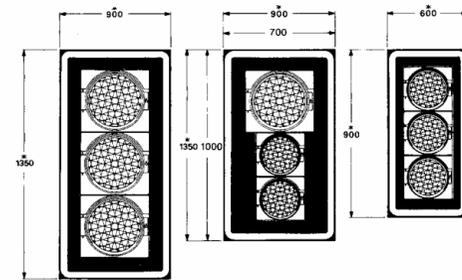
The electrical connections are made with unipolar cables having a cross section of 1.5 Sqmm, IMQ marked, one for each lamp-holder plus one for common connection.

ENVIRONMENTAL RESISTANCE

From -70 °C up to +135 °C with 100% r.h.

Table with values obtained by the conformity tests performed by accredited Bodies							
PARAMETER	200 mm OPTICS			300 mm OPTICS			NORM
	G	Y	R	G	Y	R	
Luminous intensity	205 cd	282 cd	215 cd	248 cd	535 cd	435 cd	EN 12368
Intensity class	B-2/1	B-2/1	B-2/1	B-2/1	B-3/1	B-3/1	EN 12368
Distribution of luminous intensity	W			W			EN 12368
Lighting uniformity	> 1:10			> 1:10			EN 12368
Phantom signal class	2			2			EN 12368
Trichromatic coordinates	x=0,195 y=0,483	x=0,564 y=0,419	x=0,682 y=0,313	x=0,229 y=0,442	x=0,598 y=0,392	x=0,672 y=0,320	EN 12368
Environmental class	B			B			EN 12368
Protection degree	IP 55			IP 55			EN 60529
Impact resistance	IR3 (AC3)			IR3 (AC3)			EN 12368
Vibration resistance	Conform			Conform			EN 12368
Isolation class	Class II			Class II			EN 60598-2-3

ACCESSORIES AND OPTIONS



BACKGROUND

Manufactured in Aluminium, black painted with white reflecting hemming.

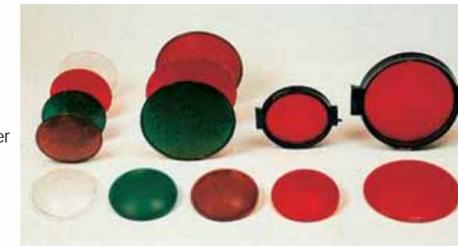
- For 3 aspects lantern 210 mm dia.
- For 2 aspects lantern 210 mm dia. plus 1 aspect 300 mm dia.

* Sizes as per Italian Road Code in force.

LENSES

- Made in polycarbonate.
- Made in polycarbonate moulded in the door.
- Made in glass (option).

Available with 210 and 300 mm diameter, and with Red - Amber - Green - Trasparents Colour.



MASK WITH SYMBOL

Made in polycarbonate 210 and 300 mm. dia.



REFLECTOR

- Made in pure anodized aluminium (for E27 and halogen bulbs).
- Made in plastic specular (for E27 and Ba20).

Available with 210 and 300 mm. dia.

ANTIPHANTOM FILTER

- Made in lamellar aluminium.
- Made in plastic, bee nest shaped.

Available with 210 and 300 mm. dia.



SEMAFORI CONTROLLI AUTOMAZIONE ELETTRONICA

SCAE S.p.a. - 20090 Segrate (MI) - Via Volta, 6 - Tel. +39 02 26 930.1 - Fax +39 02 26 930.310

www.scae.net - E-mail: info@scae.net



Company with
Quality Management
System Certified by
DNV UNI EN ISO 9001: 2000

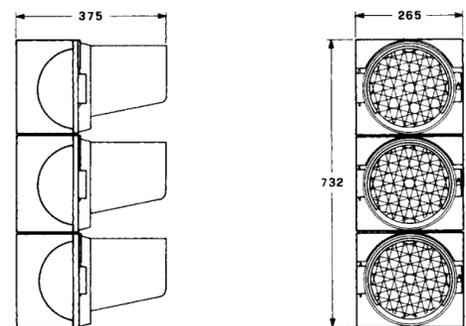


TRAFFIC SIGNAL HEADS

SP SERIES IN POLYCARBONATE

SP3

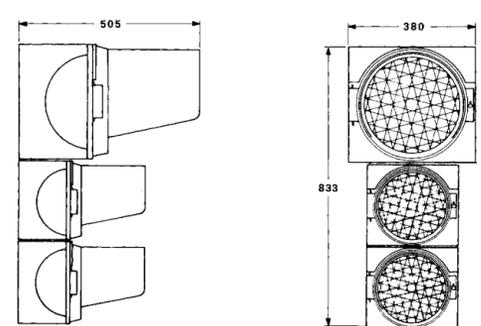
3 Lenses 210 mm Dia.



In mm.

SP3M

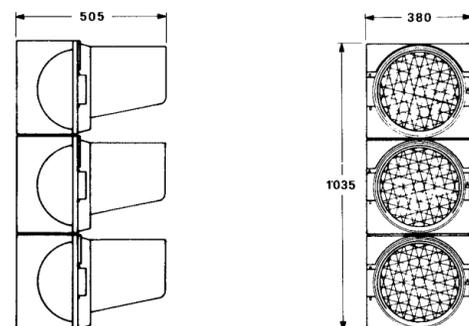
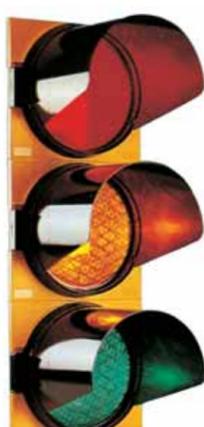
3 Lenses with red one 300 mm Dia.



In mm.

SPP3

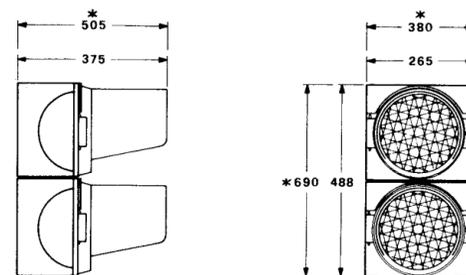
3 Lenses 300 mm Dia.



In mm.

SP2
SPP2

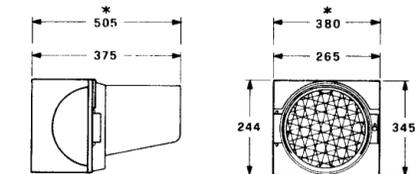
2 Lenses 210 mm Dia.
2 Lenses 300 mm Dia.



In mm. * Misure di SPP2

SP1
SPP1

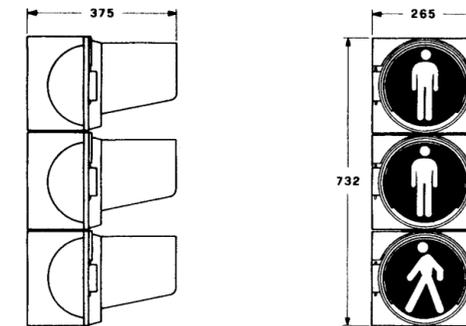
1 Lenses 210 mm Dia.
1 Lenses 300 mm Dia.



In mm. * Misure di SPP1

SP3P

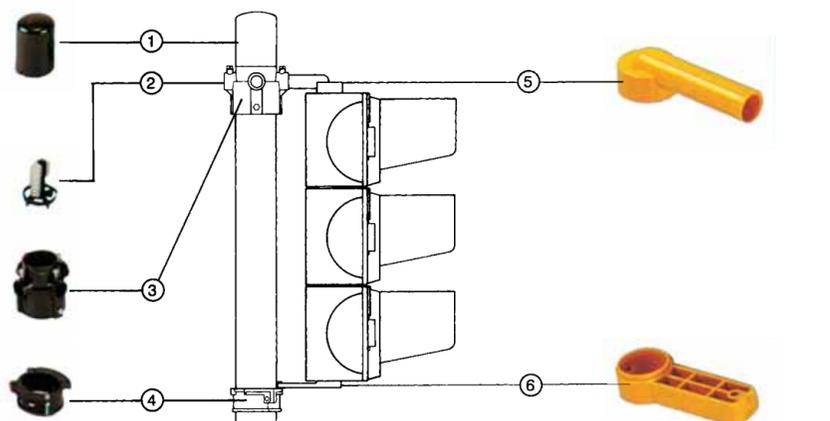
3 Lenses Pedestrian 210 mm Dia.



In mm.

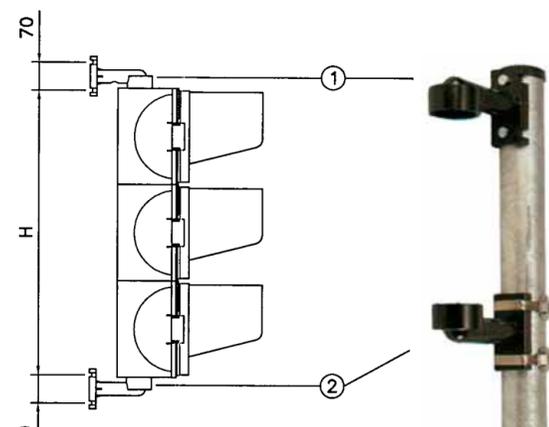
TYPE OF SUPPORT

To fix on a 102 mm. pole



- ① Top cap
 - ② Terminal block
 - ③ Base
 - ④ Ring
- Upper support for 102 mm. Dia. pole
- ⑤ Elbow } Brackets of lantern
⑥ Little blade }
- = Lower support for 102 mm. Dia. pole

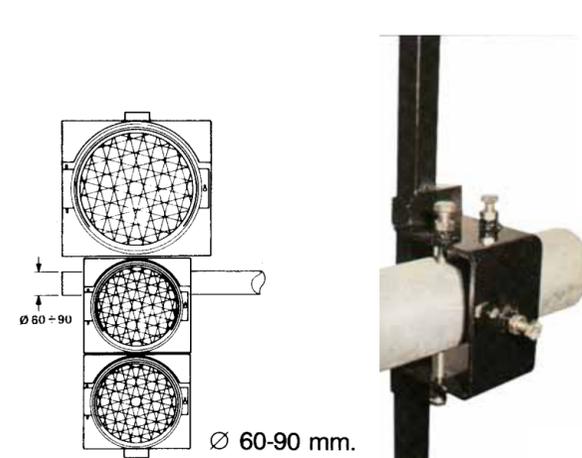
For wall fixing or with bandit



TRAFFIC SIGNAL	H
SP3/SP3P	720
SP3M	821
SPP3	1025
SP2	476
SPP2	680
SP1	232
SPP1	334

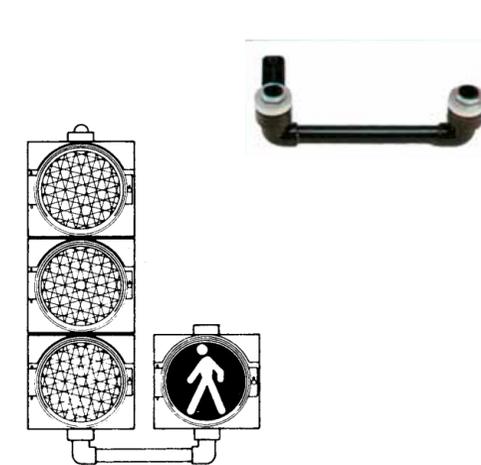
- ① Upper bandit hanging/wall
- ② Lower bandit hanging/wall

Hanging for cantilever



60-90 mm Dia.
Hanging orientation provision for three axis

To fix 1 lens head to a 3 heads lantern



Connection support

To fix on a 60 mm pole
To close head holes



- ① 60 mm Dia. support
- ② Blind plug
- ③ Plug with female thread