



SGS305/405 with flat glass

## SGS 305/306/405/406

Road lighting luminaire fully adjustable, to deliver light precisely where it is needed, in the quantity needed, for safe and comfortable driving. Stylish modern design. Traffic Vision's modular concept assures easy installation, fast, safe, minimum maintenance and high resistance to vandalism.

### Main applications

- Motorways
- Major roads
- Minor roads
- Roundabouts, crossings
- Industrial areas.

### Suitable lamp types

- **SGS305/405**  
SON-T 50/70/100/150 W  
SON-E 50/70/100 W  
SON-I 50/70 W  
HPL 50/80/125 W
- **SGS306/406**  
SON-E/-T 150/250/400 W  
HPL 250/400 W

### Features

- Modern modular design with dedicated faceted optics to optimise beam control and maximise light output
- Graduated reflector adjustment for accurate beam direction
- Two tilt angles in side entry for optimal installation on brackets
- Photo-cell switching and dimming gear available on request
- High-strength, completely sealed construction resistant to water and dust (IP 66), for long service life and low repair and maintenance costs
- Easy installation with a single Allen key
- Safe, tool-less maintenance; opening gear compartment breaks electrical circuit
- Electrical insulation Class II.

### Materials and finish

Grey glass-fibre reinforced polyester (SGS305/306) or die-cast aluminium (SGS405/406) front and rear canopies. Non-yellowing acrylic bowl or vandal and UV-stabilised polycarbonate bowl or toughened flat glass. Die-cast aluminium mounting module.

### Installation

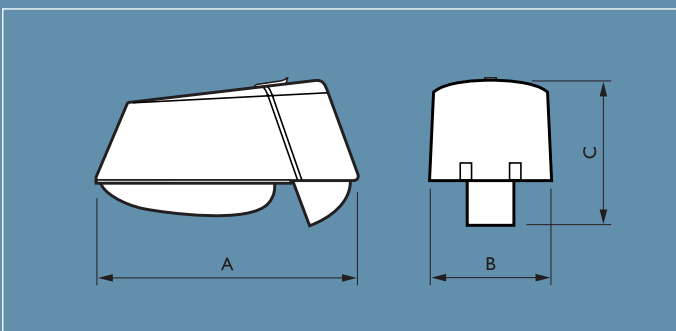
Spigot for post top 60-76 mm or side entry 42-60 mm.

### Accessories

Dimming gear, photocell or NEMA socket.



Dimensions in mm



Product ID	A	B	C
SGS305/SGS405	590	280	355
SGS306/SGS406	690	320	380



SGS306/406 with acrylic bowl

The luminaires are available with glass-fibre reinforced polyester (305 & 306).

## Preferred selection

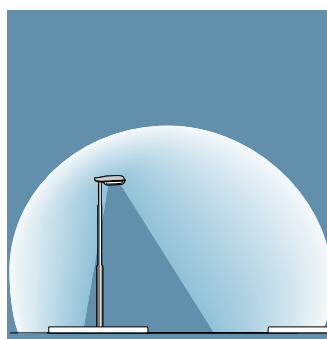
Product ID	Weight (kg)	European Order Code (EOC)
SGS305 E27 FG RS GR	10.8	22587600
SGS305 E27 PM RS GR	10.3	22585200
SGS305 E40 FG RS GR	11.0	22588300
SGS305 E40 MAX150W FG	6.8	26237600
SGS305 E40 PC RS GR	10.5	22586900
SGS305 HPL-N80/125W 230V PC RS GR	11.5	83737600
SGS305 HPL-N80/125W 230V PM RS GR	11.5	22593700
SGS305 SON-T70W 230V FG RS GR SP	12.2	22710800
SGS305 SON-T70W 230V PM RS GR SP	11.6	22709200
SGS305 SON-T100W 230V FG RS GR SP	12.8	22598200
SGS305 SON-T100W 230V PM GR SP	12.3	22597500
SGS305 SON-T150W 230V FG RS GR SP	13.1	22602600
SGS305 SON-T150W 230V PC RS GR SP	12.5	22601900
SGS306 SON-T150W 230V II FG GR SP	10.9	84049900
SGS306 SON-T150W 230V II PC GR SP	10.1	84051200
SGS306 SON-T250W 230V II FG GR SP	11.9	22610100
SGS306 SON-T400W 230V II FG GR SP	13.7	22614900



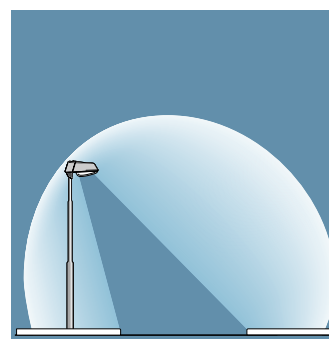
Removing the gear unit.



Removing the lamp.



A fixed optical system limits the effectiveness of the utilization of the beam.



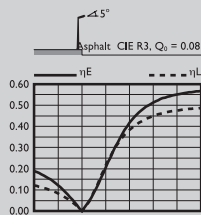
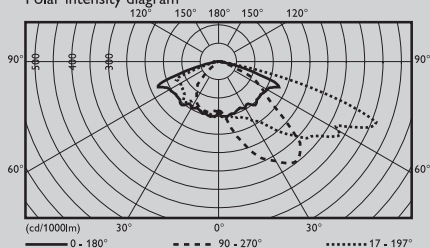
The adjustable TrafficVision optical system provides excellent directional beam control towards the road-surface.

### SGS305/150T P.9 X

$C_{15}$	17.1	9.0
$C_{15}$	41.8	10.5

L.O.R. = 0.82

Polar intensity diagram



### 1 x SON-TP150W

1 x 16500 lm

H	S	$E_v$	$U_o$	SR	L	$U_o$	$U_v$	TI	L	$U_o$	$U_v$	TI	L	$U_o$	$U_v$	TI
(m)	(m)	(lx)	(%)	(%)	(cd/m <sup>2</sup> )	(%)	(%)	(%)	(cd/m <sup>2</sup> )	(%)	(%)	(%)	(cd/m <sup>2</sup> )	(%)	(%)	(%)
10	30	24	0.38	0.54	1.7	0.61	0.81	6.8	1.5	0.64	0.81	7.7	1.6	0.56	0.70	7.9
10	35	20	0.32	0.54	1.4	0.61	0.82	7.6	1.3	0.63	0.82	8.4	1.4	0.54	0.62	8.7
10	40	18	0.28	0.54	1.3	0.60	0.75	8.2	1.1	0.63	0.75	9.3	1.2	0.43	0.56	9.3
10	45	16	0.26	0.54	1.1	0.51	0.60	9.0	1.0	0.60	0.60	9.9	1.1	0.39	0.48	10.0
10	50	14	0.23	0.53	1.0	0.42	0.48	9.7	0.9	0.53	0.48	10.7	1.0	0.32	0.37	10.8