



JSC "PROTON"

302040, Russia, Orel, Leskova 19 str.
Phone/fax: +7(4862) 49-85-34, +7(4862) 41-44-03
E-mail: export1@proton-orel.ru, www.proton-orel.ru

LED TRAFFIC LIGHT MODULES BIS-200, BIS-310, SDS-200, SDS-310

Description

Traffic light modules BIS-200, BIS-310 designed for installation in regular lamp traffic light package on the site of lens` set.

Traffic light modules BIS-200, BIS-310 consist of plastic package with transparent unpainted high impact polycarbonate lens which is specially designed.

Super bright LEDs of red, yellow and green emission colour are used as light source in light modules.

Special lens design provides high uniformity of light output on lens` surface and excludes the possibility of "false signal".

Traffic light modules SDS-200, SDS-310 designed for installation on the site of lens` set as an emitter in regular lamp pedestrian traffic light package or additional section of lamp transport traffic light.

Traffic light modules SDS-200, SDS-310 consist of plastic package with smooth transparent unpainted high impact polycarbonate lens.

Super bright LEDs of red, yellow and green emission colour are used as light source in light modules.

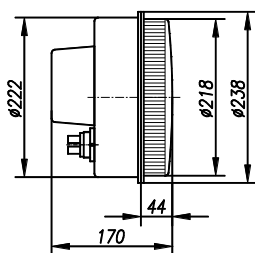
Lighting images configuration is determined by LED placement in light module. Images can be accomplished as "standing man" (SDS-200PK, SDS-310PK), "walking man" (SDS-200PL, SDS-310PL) or arrows of various configurations (SDS-200SL, SDS-310SL).

Light modules BIS-200, BIS-310, SDS-200, SDS-310 characteristics

Light module type	BIS-200R	BIS-200Y	BIS-200G	BIS-310R	BIS-310Y	BIS-310G	SDS-200PR	SDS-200PG	SDS-310PR	SDS-310PG
Diameter of signal exit aperture	200 mm	200 mm	200 mm	310 mm	310 mm	310 mm	200 mm	200 mm	310 mm	310 mm
Emission colour	red	yellow	green	red	yellow	green	red	green	red	green
Axial luminous intensity, not less	200 cd	250 cd	200 cd	300 cd	400 cd	300 cd	50 cd	50 cd	50 cd	50 cd
Power consumption, not more	18 W	22 W	18 W	18 W	24 W	20 W	18 W	14 W	18 W	14 W
Supply voltage	220 V ^{+10%} _{-15%} of road controller									
Working temperature range	from - 60°C to +60°C									
Dimension, not more	Ø238x170 mm			Ø330x180 mm			Ø238x170 mm		Ø330x180 mm	
Warranty	5 years									
Durability	not less 12 years									

Light modules dimensions

BIS-200, SDS-200



BIS-310, SDS-310

