

**aselsan**

# 5MM LED SIGNAL TRANSMITTERS

HIGH PERFORMANCE

AESTHETIC DESIGN

LONG LASTING

MODULAR CONSTRUCTION





# 5MM LED SIGNAL TRANSMITTERS

ASELSAN signal transmitters, which are specially produced with a 100% polycarbonate body structure, offer high performance with their structure resistant to all kinds of environmental and climatic conditions.

The signal transmitters are designed for use in different extreme climatic regions of the world, they do not require cooling. Homogeneous light distribution is achieved thanks to its superior outer lens design and honeycomb structure that disperses the light. It has a wide beam angle and a high deceptive signal class (class 5). Electronic circuits are designed in such a way that in a possible LED failure, the size of the fault remains at a singular level and does not affect other LEDs.

The switching power supply used in the modules has been developed for signal transmitters, thanks to the harmonic distortion and power factor values, module errors and conflicts can be detected by all universal devices. Thanks to its modular and ergonomic structure, it provides ease of assembly.

## Main Features

- Modular Structure
- Aesthetic Design
- Diffuser Outer Lens
- Homogeneous Light Distribution
- High Deceptive Signal Level
- LED Protection
- IP65 Protection Class
- 100% Polycarbonate

## Technical Specifications

	300 mm Auto Signal Group with 5 mm LEDs	200 mm Auto Signal Group with 5 mm LEDs	200 mm Pedestrian Signal Group with 5 mm LEDs	5 mm LED Rail System Signal Group
Diameter	Ø300 mm	Ø200 mm	Ø200 mm	Ø200 mm, Ø300 mm
Operating Voltage	220 VAC, 50 Hz (±4)	220 VAC (-%20 , +%15)	220 VAC (-%20 , +%15)	220 VAC (-%20 , +%15)
Operating Temperature Range	-40°C , +70°C	-40°C , +70°C	-40°C , +70°C	-40°C , +70°C
Relative Humidity	%0 - %95	%0 - %95	%0 - %95	%0 - %95
EMC	EN 50293	EN 50293	EN 50293	EN 50293
Body Structure	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Body Color	Black, Grey	Black, Grey	Black, Grey	Black, Grey
Power Factor	PF > 0,90	PF > 0,90	PF > 0,90	PF > 0,90
Total Harmonic Distortion	THD $i_v$ < %20	THD $i_v$ < %20	THD $i_v$ < %20	THD $i_v$ < %20
Deceptive Signal Class	5	5	5	5
Light Intensity Distribution	Type N, M	Type W	Type W	Type W or Type N, M
Symbol Class	S1	S1	S1	S1
Impact Resistance Class	IR3	IR3	IR3	IR3
Protection Class	IP65	IP65	IP65	IP65
Performance Level	B3/2 / A3/2	B2/2 / A3/1	B2/2 / A3/1	B2/2 / A3/1 ya da B3/2 / A3/2

