SIEMENS

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Sigmaguard Style L Position Light Shunt Signal

LED Signal Technology at Incandescent Prices

Exceptional Value

Benefit from the superior performance of premium LED signals for a price similar to incandescent signals.

Exceptional Reliability

Multiple LEDs and parallel circuitry combined with the exceptional reliability of LED technology leads to lower maintenance costs and fewer train delays than incandescent lamps—essential for today's rail industry.

Benefits
Low whole-of-life cost
Compatible with all signalling systems
Reliability far surpasses incandescent signals
Long service life
Low power consumption
Low-weight rigid aluminium housing
Phantom-free design
Wide viewing angles
High-strength lightweight polycarbonate LED element enclosure, IP34 rated
5-year standard warranty

Description

The Sigmaguard Style L Position Light Shunt Signals comprise two or three LED lamp modules arranged in a triangle with hoods and mounting bracket.

Powder coated, marine grade aluminium housing exploits the full benefits of LED signal elements.

Rear access through a single hinged door is unencumbered by aspect separators required for incandescent signals. Abundant room for cable termination, internal wiring, and for rear replacement or maintaining of modules.

Reliability

Doesn't rely on a single light source for safety-critical signalling applications. Multiple LEDs in the signal elements are arranged as an interconnected matrix. Not only are LEDs over 1000 times more reliable than incandescent lamps, but the light output will never reduce by more than 10% if one LED fails.

Siemens confidently provides a 5-year warranty.

Aspect colours

Colour options include:

- **Aspect 1** lunar white
  yellow
- **Aspect 2** blank
  lunar white
  red
- **Aspect 3** lunar white
  red

Construction

High-strength polycarbonate LED element enclosures provide:

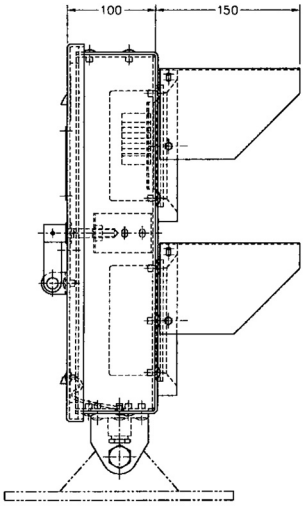
- clarity
- superior optical properties
- resistance to heat distortion
- resistance to impact
- UV stability
- sealing to IP34 rating

See also:

- Datasheet 1C-5—LED Style L Junction Route Indicator
- Datasheet 1A-8—LED Retrofit Kits for Colour Light Signals
- Datasheet 1A-12—LED Style L Signals

Specifications

		12 Vac or Vdc	110 Vac
Supply voltage range		6.0–16 Vac 8.2–20 Vdc	85–135 Vac
Guaranteed off voltage (signal is totally dark below this voltage)		5.3 Vac 7.3 Vdc	45 Vac
Surge protection (applied for 80 ms)		45 Vrms	360 Vrms
Nominal power		**Short**	**Medium**
per light	Red Yellow White	3.2 W 4.0 W 5.0 W	6.6 W 6.9 W 8.0 W
Total harmonic distortion (ac only)	< 20% over full Vac range		
Power factor (ac only)	> 0.9 over full Vac range		
EMC	EN50121-4:2000		
Operating temperature	−40°C to +70°C		
Resistance to dust and moisture	IP65		
Resistance to vibration and shock	AREMA part 11.5.1, section D clauses 4 and 5		
Module diameter **Illuminated aspect diameter**	200 mm (nominal) 180 mm (nominal)		
Colour			
Wavelength and chromaticity	Red 505 Red 305 Yellow White	633 nm, x=0.704 y=0.295 627 nm, x=0.703 y=0.297 592 nm, x=0.592 y=0.406 x=0.310, y=0.320	
Typical Sighting Distance (against bright skyline)	Short spread Medium spread	coloured 200m, white 150m coloured 400m, white 300m	



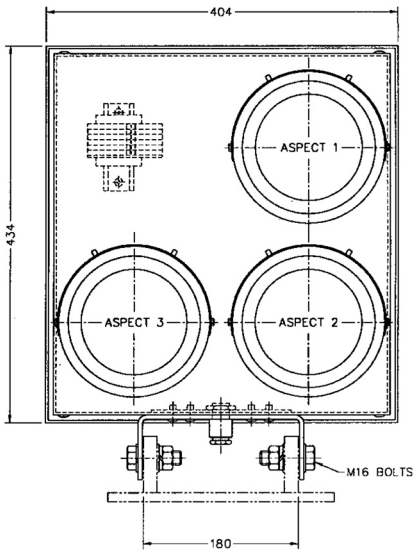
Dwarf and top post mounting brackets are available separately.

Ordering

Please specify:

- colour of each aspect (see diagram for aspect numbering)
- blanking of an aspect
- aspect of stencil letter C (if used)
- supply voltage

Alternative lens styles are available by special order.



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