



LED Position Light Signal

Benefits

- > Fully approved LED Position Light Signals, Subsidiary Signals Limit of Shunt Signals
- > Network Rail Product Acceptance No PA05/1133 (module) No PA05/1038 (housing)
- > Directly interchangeable with all existing filament lamp models
- > No design changes at site required
- > Reduces risk of wrong side failures
- > Increased reliability, LED life in excess of 5 years
- > Reduced maintenance costs compared with standard filament light source
- > Universal application for both lamp proved or non-lamp proved sites
- > Ground mounted or elevated versions available
- > Innovative lens cleaning facility

LED POSITION LIGHT SIGNAL

	<u>Limit of Shunt</u>	<u>Subsidiary</u>	<u>Position Light</u>		<u>Position Light</u>	
	R/R	W/W	R/W	R/W	Y/W	Y/W
Elevated	086/001311 GPL2/RORO/1P/O	086/001309 GPL2/WOOW/1P/O	086/01307 GPL2/RWRW/1P/O		086/001313 GPL2/YWYW/1P/O	
Ground	086/001310 GPL2/RORO/1P/G	086/001308 GPL2/WOOW/1P/G	086/001306 GPL2/RWRW/1P/G		086/001312 GPL2/YWYW/1P/G	

Key: W = White; R = Red; R/W = Red or White; Y/W = Yellow or White

Compliances

Railway Group Standards
Network Rail

GK/RT0031, GK/RT0037
RT/E/S10110

Approvals

Unrestricted Network Rail Certificate No
Position Light Signal Module
Housing

PA05/1133
PA05/1038

Key Specifications

Operating Temperature Range - 25°C to + 40°C
Nominal Operating Voltage 110Vac / 120Vdc
Operating ac Voltage Range Max 121Vac Min 88Vac
Nominal Operating Current (ac) 300mA @ 110Vac per light source
Operating dc Voltage Range Max 145Vdc Min 88Vdc

Current Proving

Relay Based Interlocking BR941A
Solid State Interlocking (SSI) Return Current Path 1 or 4

Light Output Intensity (all colours) ± 45° (RT/E/S10110)
On axis light outputs
Red 17.7 cd min 44.2 cd max
Yellow 21.7 cd min 54.2 cd max
Lunar White 26.8 cd min 67.0 cd max

Constant light output throughout voltage range and signal life

Light Output Colour

Red BS1376 Class C (Restricted)
Yellow BS1376 Class B
Lunar White BS1376 Class C (Restricted)

Estimated Service Life Approx 8 years
(depending on ambient temperature and duty cycle)

Aspect Configurations 2 Red, 2 White, Position Light Signal
2 Red (horizontally), Limit of Shunt
2 White (45°), Subsidiary Signals

Separate lamp units for signals mounted above and below driver's eye level

Ground Mounting = At or below the driver's eye level, 2.75m above rail
Elevated Mounting = At or above the driver's eye level, 2.75m above rail

All units fitted with visor 150mm long
Max number of aspects per aperture 2
Flashing Aspects All aspects are capable of being flashed under the control of interlocking

Sealing of LED Modules IP65

Weight 20kg

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