



RSSL100

RSSL100.12 shunting signal is equipped with reliable power LED signal units. The signal housing is produced of stainless steel and painted in matt black colour. Sabik shunting signal can easily be modified for different market specifications and the state-of-the-art architecture of the unit offers adjustability needed for safe and smooth operation with various interlocking systems and local environmental conditions, such as cable type and length and signal transformer type.

- **Compatible with most applications as a replacement for incandescent lamp systems**
- **Light generation with 8 power LEDs used with low current for high reliability**
- **Automatic night time dimming according to the input voltage / power level**
- **Wide operational voltage range: 6,0-14,0 VAC (TRMS)**
- **Unique Line Test feature ensuring stable turn on and off regardless of the coupled power on the signal line**
- **Optical feedback monitoring of each individual LED**
- **Adjustable power consumption with Dummy Load power resistor**
- **Many adjustable operational parameters:**
 - Current consumption in day and night mode
 - Turn on and off power levels
 - Luminous intensity levels
 - Turn on and off delays
 - Voltage hysteresis level for day-night-mode change
 - Frequency of the AC line voltage
 - Number of failed LEDs allowed for operation
- **Access to operational parameter with wireless IrDA connection or with serial cable**
- **Thermally designed for power LEDs to be used for the light source**
- **High optical performance**
- **Metal housing of stainless steel tolerates impacts and offers**



Main Technical Specification

Visual lens size	4 x 100 mm
Lens material	Polycarbonate
Light source	8 power LEDs per light unit
Luminous intensity day	600 cd (can be adjusted)
Luminous intensity night	100 cd (can be adjusted)
Luminous divergence	8 ° @ 50 % (±1 °) and 15 ° @ 10 % (±2 °) of top intensity
Supply voltage day	10 - 14 VAC, nominal voltage 12 VAC
Supply voltage night	6 - 10 VAC, nominal voltage 8 VAC
LineTransient Protection	Signal Unit equipped with overvoltage protection units
Power consumption day	10 W - 30 W, can be adjusted with the dummy load resistor
Power consumption night	5 W - 15 W, can be adjusted with the dummy load resistor
Power consumption off mode	< 0,5 W
Signal turn on and off delay	70 ms, can be adjusted to 40 ms
Temperature range	-40 ° - + 65 ° according to EN 50125-3 class T1 and T2
IP class	IP 54
EMC compliance	According to EN 50121 and EN 50124
Functional safety compliance	Suitable for EN50129 SIL 4 applications

Product

12 VAC interface	
RSSL100P.FI	2 x red 2 x white
RSSL100P.NO	4 x white

Supported frequencies 50, 95, 105 Hz

Also available different shapes & signal amounts, ask for more information.

Options

- Heat mask for anti-frosting
- Color options: Red, White, Green, Blue, Yellow
- Possible to customize mechanical design and number of lights & colors
- Customizable mounting bracket

