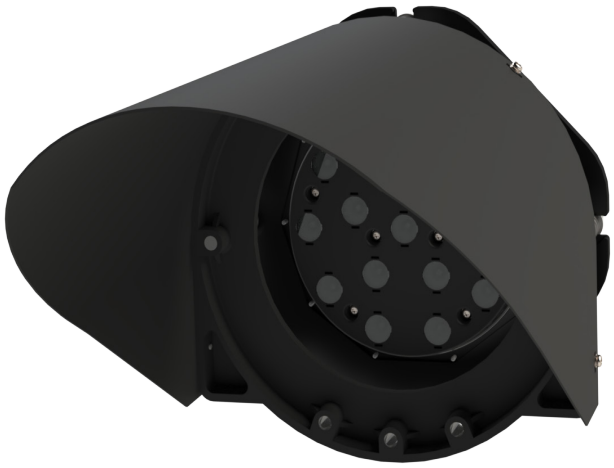
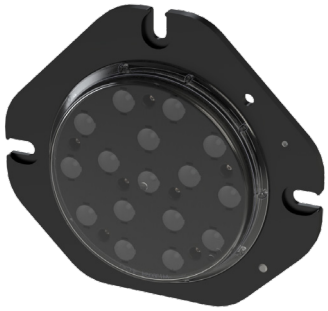
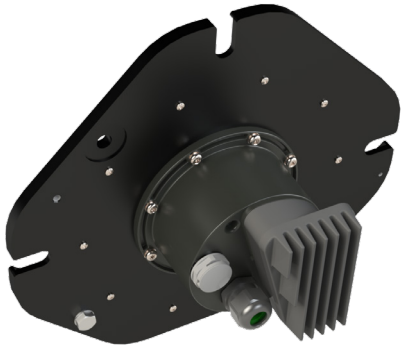
RSL200

The state of the art architecture of the RSL200 LED Signal 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 lamps**
- **Light generation with 16 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, special design to minimize the Phantom effect**







Main Technical Specification

Visual lens size	200 mm
Lens material	Polycarbonate
Light source	16 power LEDs
Luminous intensity day	1200 cd (can be adjusted)
Luminous intensity night	400 cd (can be adjusted)
Luminous divergence	8 ° @ 50 % (±1 °) of top intensity
Supply voltage day	10 - 14 VAC, nominal voltage 12 VAC
Supply voltage night	6 - 10 VAC, nominal voltage 8 VAC
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 66
EMC compliance	According to EN 50121 and EN 50124
Functional safety compliance	Suitable for EN50129 SIL 4 applications
Weight	3 kg

Product

200 mm, 12 VAC interface	
RSLR200.12P	Red
RSLG200.12P	Green
RSLY200.12P	Yellow
RSLW200.12P	White
RSLB200.12P	Blue

Options

M000343	Light hood
M101079	Front frame
M133275	Light shielding ring
P-LSPC	Line surge protection card