

LED STRIP EX - APPLICATION FOR ZONA 1, 2, 21 E 22

SG-EX RLEX300

SG-EX RLEX600



sermat **GRÜN**
ex

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LED STRIP Ex

Technical data

TECHNICAL SPECIFICATION

TYPE OF PROTECTION

"Ex e" – Increased Safety
 "Ex m" – Encapsulated
 "Ex op is" – Optical radiation (inherent safe)

MARKING

Ex eb mb op is IIC Gb

AREA OF APPLICATION

Zone 1
 Zone 2
 Zone 21
 Zone 22

CERTIFICATE OF CONFORMITY

Segurança



OCP 0034



INMETRO

INMETRO

NCC 24.0135 U

ELECTRICAL SPECIFICATIONS

RATED VOLTAGE

RLEX300 - 18Vcc
 RLEX600 - 36Vcc

POWER

RLEX300 - 5W
 RLEX600 - 10W

LUMINOUS FLUX

RLEX300 - 715 lm
 RLEX600 - 143₀ lm

MAXIMUM CURRENT

280 mA

LIGHT EFFICIENCY

143 lm/W

ESTIMATED LIFETIME

L70 > 50.000 hours

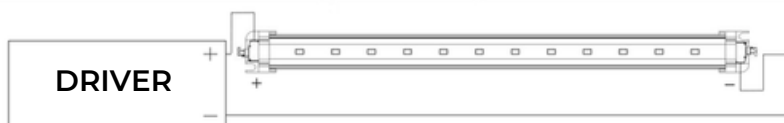
CRI

> 80

CCT

5.000 K

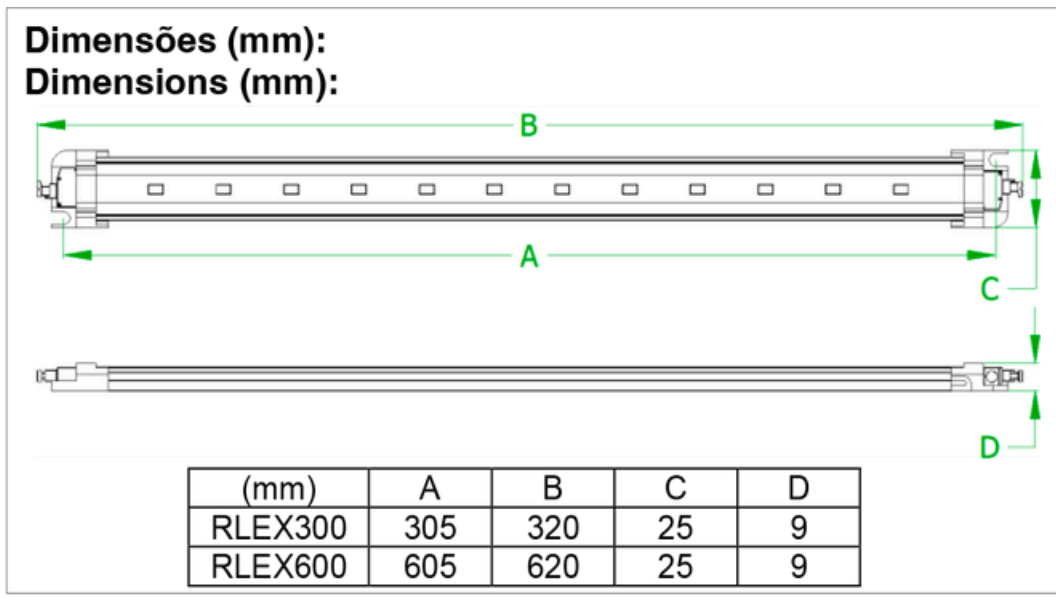
CONNECTION DIAGRAM



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DIMENSIONS(MM)



FEATURES

- An electrical circuit developed to keep the strip connected even when burning up to 3 LEDs of the same circuit.
- This component contains no internal driver.
- Polarized component.
- No strobe effect.
- It has an assembly and disassembly system that allows facilities of field maintenance services.
- The RLEX300 and RLEX600 can be powered by Sermatex's DVL70 Driver, covered by CEPEL17.2430U certificate. Or it can be powered by another Driver, as long as it meets the following characteristics below:

Rated Current: 280 mA;

Nominal Voltage (RLEX300): 18 Vdc;

Nominal Voltage (RLEX600): 36 Vdc.

The supply circuit must include a protection device that limits the current to 850 mA. Or include a fuse with a maximum rated current of 500 mA, having the corresponding rated voltage and being able to withstand a potential short-circuit current of 1500 A.