



Next generation UV-ROSE family – Better performance with new materials

LEDiL's next generation of UV optics for Nichia type packaged UV-LEDs offers substantially improved performance and durability over previous generation optics. With the introduction of new materials such as optical grade silicones LEDiL has been able to considerably increase optical efficiency and UV resistance of the optics. When used in NDT or curing applications the lenses need to withstand heavy exposures of UV radiation. New optical grade silicones have been tested in heavy UV exposure over 6000 hours up to this date, without noticeable change in the transmission. G2 UV-ROSE lenses are designed to be drop-in replacements of previous generation UV-ROSE family with no significant change in the distribution characteristics.

FEATURES and BENEFITS

- UV optics for Nichia type packaged UV-LEDs
- Made of optical grade silicone with very good UV-withstanding

MARKETS and TYPICAL APPLICATIONS

- NDT and curing applications



ROSE-UV-S

Silicone/PC
H: 12.9 mm
D: 21.6 x 21.6 mm
Typical eff.: 92%
Beam type: Spot



ROSE-UV-M

Silicone/PC
H: 12.9 mm
D: 21.6 x 21.6 mm
Typical eff.: 90%
Typical FWHM: 24°
Beam type: Medium



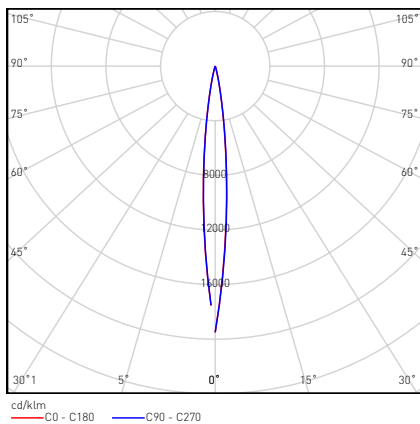
ROSE-UV-W

Silicone/PC
H: 12.9 mm
D: 21.6 x 21.6 mm
Beam type: Wide

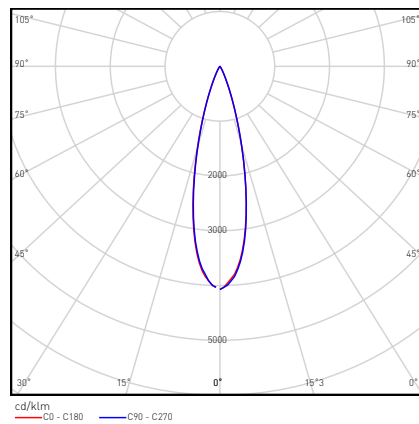
TECHNICAL SPECIFICATIONS

- Height: 12.9 mm
- Dimensions: 21.6 x 21.6 mm
- Lens made of optical grade silicone with excellent UV transmission characteristics
- Mounts with adhesive tape

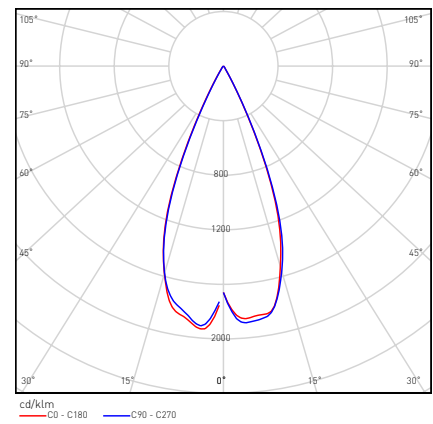
ROSE-UV-S



ROSE-UV-M



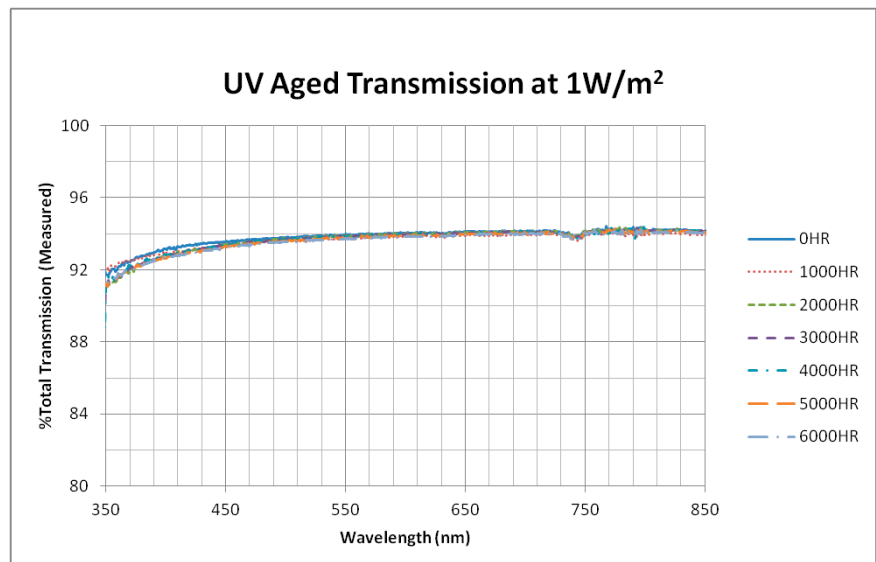
ROSE-UV-W*



*Preliminary information

UV-TESTING

ROSE-UV lenses tested in heavy UV exposure 6000 hours without noticeable change in the transmission.



ORDERING INFORMATION

FCA14011_G2-NIS033U-S

FCA14405_G2-NIS033U-M

FCA14464_G2-NIS033U-W

Visit www.ledil.com for ordering codes and latest product specifications, which may vary by LED