C7CEIONS

GAGGIONE SAS Headquarter 3, Rue de la Rolland 01460 Montréal la Cluse France (+33 4 74 76 12 66 @ contact@gaggione.com \$\overlimetry\$ www.optic-gaggione.com

Sales Team in GAGGIONE

Sandrine Mancuso France, UK, Italy, Spain @ s.mancuso@gaggione.com (+33 787 87 84 72

Antoine Le Cordier France, Scandinavia, Eastern and Northern Europe @ a.lecordier@gaggione.com (+33 607 37 20 28

Laurent Barel Sales & Marketing Director @ I.barel@gaggione.com (+33 612 04 41 30

International Sales Offices

GAGGIONE Americas Michael Pietro 12833 Surrey Ct. Palos Park, IL 60464 @ m.pietro@gaggione.com (+1 224 392 0087

GAGGIONE Asia Zhen Xu Unit 1808, No. 8, Kuaiji Road, Jintiandi International building, Huangpu District, Shanghai, 200021, China @ z.xu@gaggione.com (+86 136 5189 6981

GAGGIONE Canada Stephane Saindon 744 36th Avenue Montreal, Quebec H8T3L2 @ s.saindon@gaggione.com (+1 514 928 2179

GAGGIONE DACH Angelika Aigner Kreuzstrasse 7 83355 Grabenstätt Germany @ a.aigner@gaggione.com (+49 8661 983 44 77





150 mm Linear Silicone collimators



2020 January

LLL15A7 & LLL15N7

LLL15 is a range of products for architectural and UV applications including two linear collimators (color mixing TIR) made of silicone. Thanks to this performing and promising material, GAGGIONE could design an efficient solution for wall-washing, architectural lighting fixtures and UV applications.

LLL15N7 Narrow Version



The LLL15N7 is a narrow beam linear collimator providina a line of light compliant with architectural lighting requirements. A sharp cut-off is obtained along a strip of light.

The UV curing industry is also using this product for the silicone capability to transmit UV rays at a very high efficiency.

The silicone material has the great advantage to withstand combination of UV rays, heat and moisture so that those optical parts ensure a long life time in severe environment.

LLL15N7: Illuminance data with a LED of 1mm² LES



Typical Application LLL15N7



Optical Silicone 150mm long, 22mm large, 18mm height Symmetric, narrow Mid power LED: Package up to 5630

- High power LED: Up to 2mm² LES
 - Homogeneous beam
 - Color Mixing TIR
 - Embedded mechanical functions for easy integration
 - Long lasting material even in severe environment

LLL15A7 **Asymetric Version**



The LLL15A7 provides a wide beam to enlighten a large surface (e.g. a wall, a ground, a roof, etc.) in a very homogeneous way. All the light is directed on the surface thanks to its advanced optical design.

The product integrates also mechanical functions for a fast assembling process shortening time-to-market.

The ideal distance from the surface is ten centimeters. The LED pitch can be up to 1 cm without affecting light uniformity. Obviously, the shorter the pitch is the better the uniformity and color mixing will be.

If you need to place the fixture at a longer distance from the wall, just respect a 1:10 ratio between this distance and the LED maximum pitch to ensure the light uniformity and color mixina.

LLL15A7: Illuminance data with a LED of 1mm² LES

Typical Application LLL15A7













Features:

- Homogeneous beam
- Color Mixing TIR
- Embedded mechanical functions for easy integration
- Long lasting material even in severe environment

Material: Dimensions:

Beam:

High power LED: Up to 2mm² LES