



PETUNIA Plant Lighting

LEDiL introduces PETUNIA lens array for plant lighting

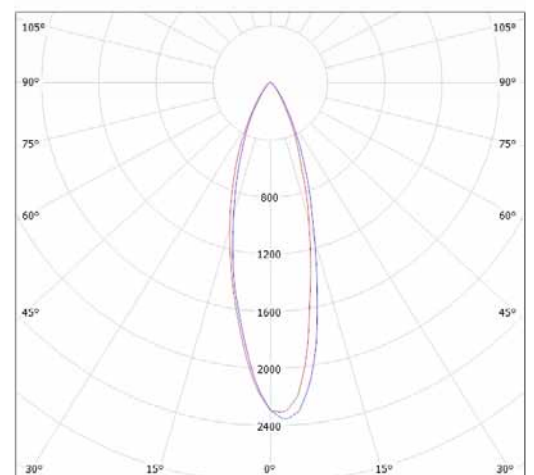
LEDiL Oy, a global leader in the development in secondary LED optics, introduces the new PETUNIA lens array designed specifically for plant lighting fixtures. The current medium beam is ideal for use in fixtures mounted a few meters above plant growth beds. The low-profile and densely-spaced PETUNIA array offers the ability to design a compact fixture for use in crowded greenhouses. One of the biggest advantages of using PETUNIA lenses and OSRAM OSOLON® LEDs is the tremendous reduction in energy cost and the ability to deliver growing plants the light spectrum needed throughout their growth cycle.

FEATURES and BENEFITS

- Densely-spaced 12 lens array
- Compact 3x4 pattern
- Medium beam angle
- High light transmission efficiency
- Virtually impervious to damage by UV radiation
- High scratch and abrasion resistance
- RoHS compliant and halogen-free

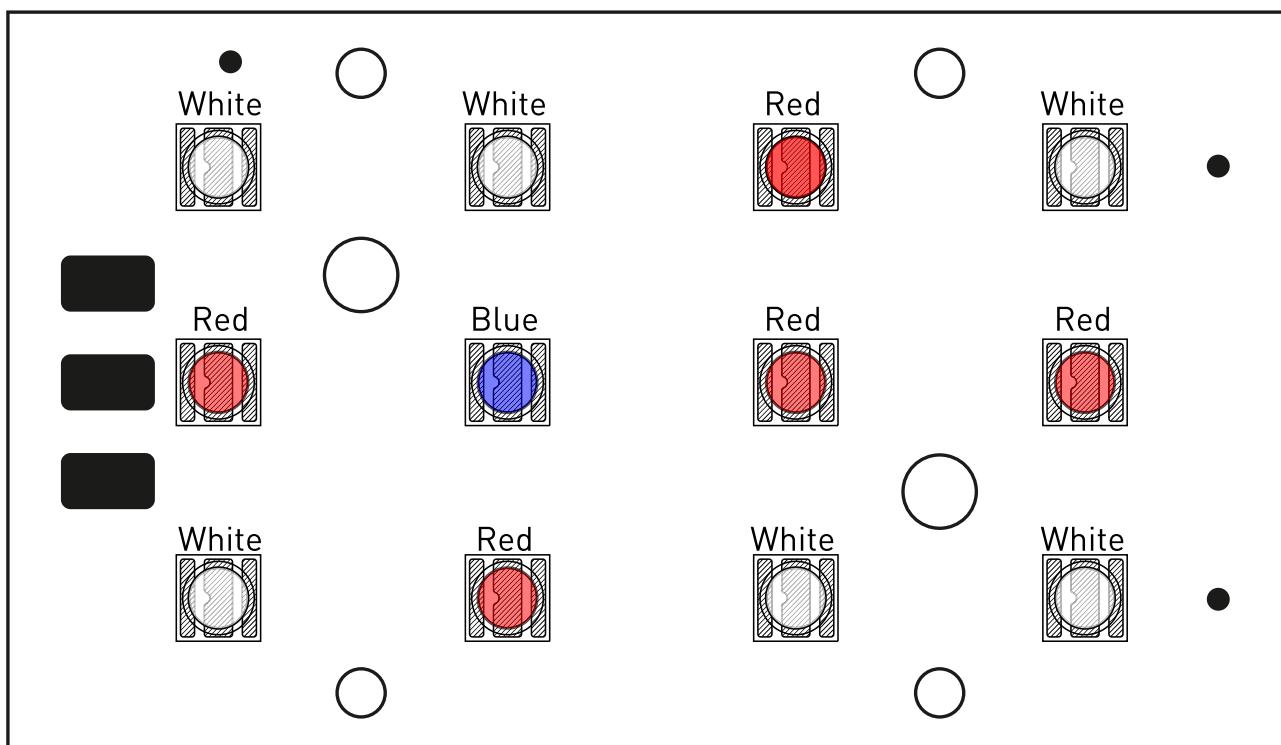
MARKETS and TYPICAL APPLICATIONS

- Plant lighting
- Greenhouses, florist shops & exhibitions



TECHNICAL SPECIFICATIONS

- Dimensions: 29.5 x 46.5 x 7.4mm
- 27.5° FWHM (Full Width Half Maximum)
- Mounts with secondary adhesive or front cover
- Precision-molded from optical grade PMMA – UL94 HB rated material with operating rating -40°C to +80°C
- Suggested layout of LEDs as pictured below with models of Osram Oslon SSL 80 / 150
 - o Warm White: LCW CQDP.EC (3000K)
 - o Hyper Red: LH CP7P (644 nm - 666 nm)
 - o Deep Blue: LD CQ7P (449 nm - 461 nm)



ORDERING INFORMATION

Ordering code: C12528_PETUNIA

Find your local contact at http://www.ledil.fi/where_to_buy

Disclaimer! The statements presented above represent a theoretical optimal situation and only serve as a possible solution suggestion. Each plant lighting project must be separately optimized case by case. Consult www.ledil.com for ordering codes and latest product specifications, which may vary by LED.