# PRODUCT DATASHEET CA14602\_VERONICA-SQ-MINI-O

## **VERONICA-SQ-MINI-O**

~15° + 50° oval beam

#### **SPECIFICATION:**

Dimensions 13.9 x 13.9 mm

Height 8.9 mm

Fastening tape, pin

ROHS compliant yes 1



#### **MATERIALS:**

ComponentTypeMaterialColourFinishVERONICA-SQ-MINI-OSingle lensPMMAclearVERONICA-SQ-MINI-TAPETapeAcrylic foamclear

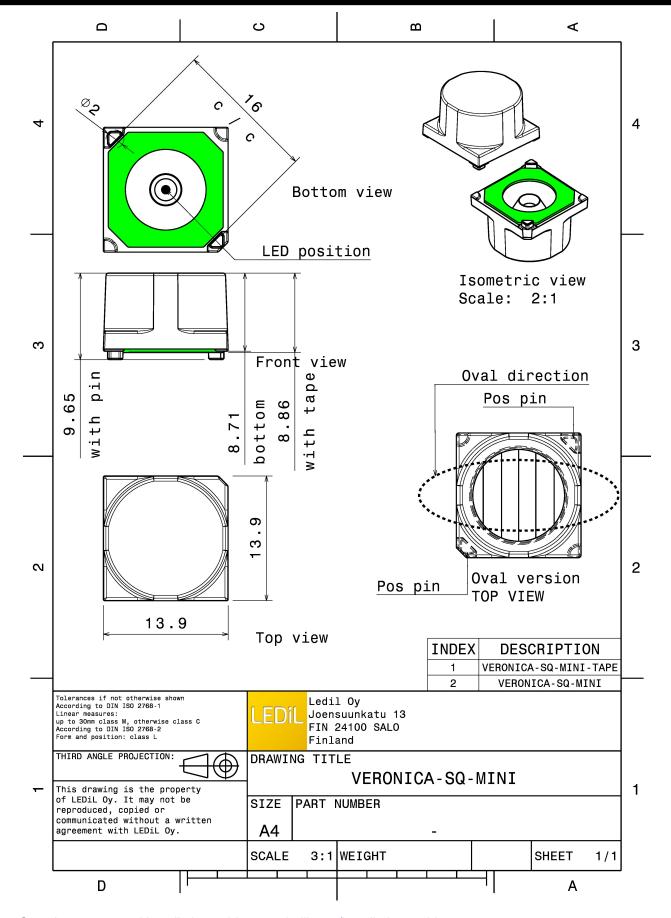
#### **ORDERING INFORMATION:**

» Box size: 480 x 280 x 300 mm

ComponentQty in boxMOQMPQBox weight (kg)CA14602\_VERONICA-SQ-MINI-OSingle lens55442522527.8

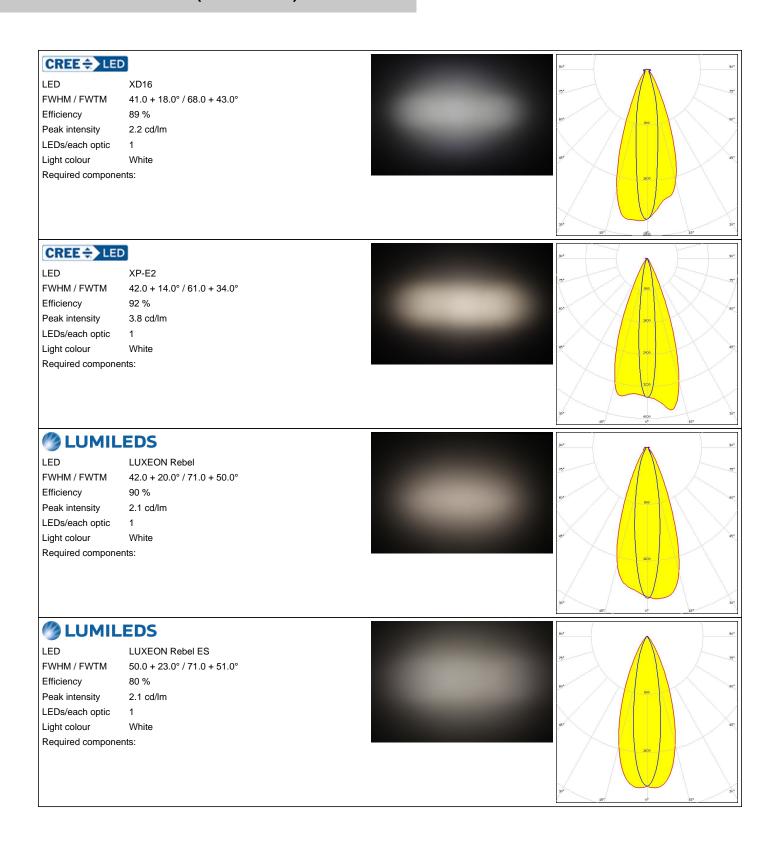
# PRODUCT DATASHEET

# CA14602\_VERONICA-SQ-MINI-O

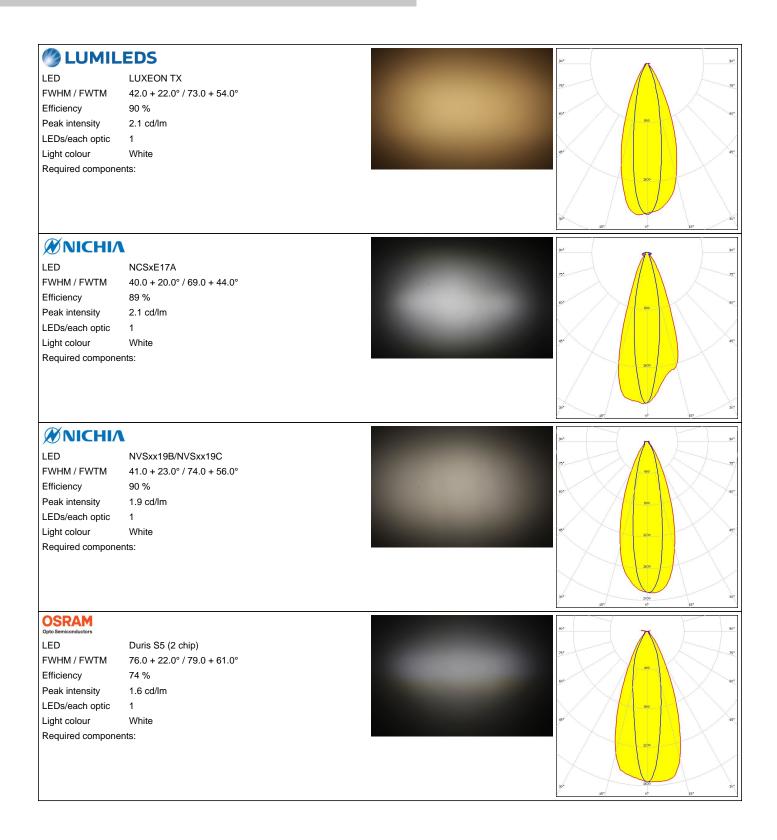


See also our general installation guide: www.ledil.com/installation\_guide





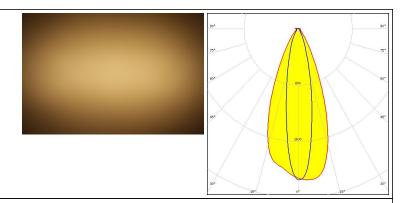




#### **OSRAM**

LED OSLON Square EC FWHM / FWTM 42.0 + 20.0° / 72.0 + 49.0°

Efficiency 89 % Peak intensity 2.2 cd/lm LEDs/each optic Light colour White Required components:



### **OSRAM**

LED SFH 4170S

FWHM / FWTM 40.0 + 12.0° / 60.0 + 33.0°

Efficiency % LEDs/each optic 1 IR Light colour Required components:

# OSRAM Opto Semiconductor

LED SFH 4180S

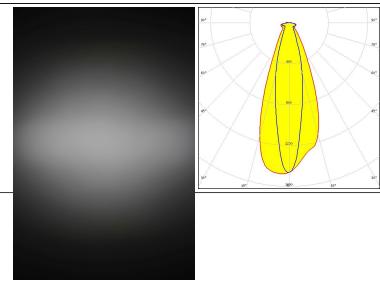
 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$  $38.0 + 11.0^{\circ} / 58.0 + 31.0^{\circ}$ 

Efficiency % LEDs/each optic Light colour IR Required components:

# **SAMSUNG**

FWHM / FWTM 42.0 + 22.0° / 77.0 + 54.0°

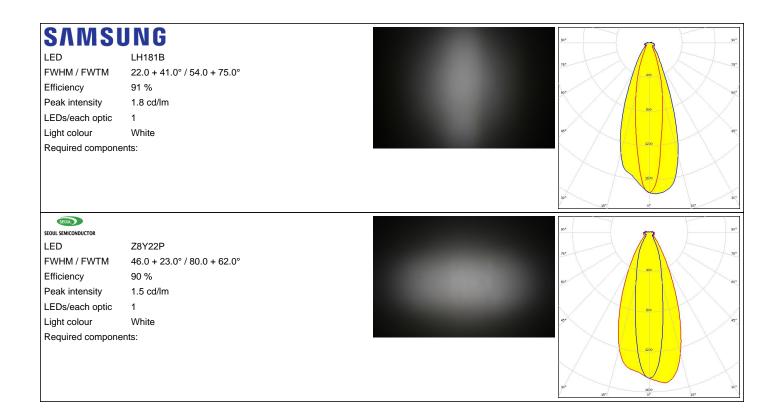
Efficiency 88 % Peak intensity 1.5 cd/lm LEDs/each optic White Light colour Required components:



Last update: 15/03/2023

Subject to change without prior notice







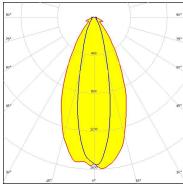


LED XP-G2 HE

FWHM / FWTM 50.0 + 26.0° / 88.0 + 59.0°

Efficiency 90 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:



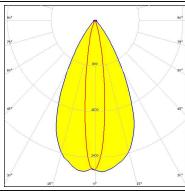
### CREE \$\(\preceq\) LED

LED XQ-E HD

FWHM / FWTM 54.0 + 16.0° / 80.0 + 34.0°

Efficiency 90 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:



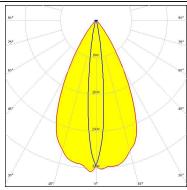
#### CREE + LED

LED XQ-E HI

FWHM / FWTM 54.0 + 12.0° / 78.0 + 26.0°

Efficiency 89 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:

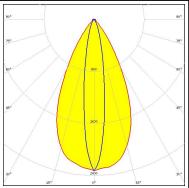


# **DESCRIPTION** LUMILEDS

LED LUXEON 2835 Line

FWHM / FWTM 54.0 + 16.0° / 80.0 + 41.0°

Efficiency 86 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour PC Amber







LED LUXEON 5050 Round LES FWHM / FWTM 54.0 + 36.0° / 118.0 + 106.0°

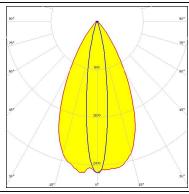
Efficiency 86 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

## LUMILEDS

LED LUXEON C

FWHM / FWTM 53.0 + 17.0° / 81.0 + 34.0°

Efficiency 87 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

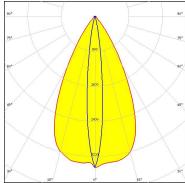


# **MILEDS**

LED LUXEON CZ

FWHM / FWTM 54.0 + 12.0° / 78.0 + 25.0°

Efficiency 91 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour Red
Required components:

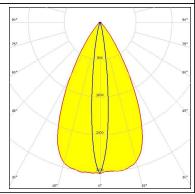


# **MILEDS**

LED LUXEON CZ

FWHM / FWTM  $56.0 + 13.0^{\circ}$  /  $79.0 + 26.0^{\circ}$ 

Efficiency 91 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour PC Amber



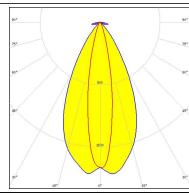


LED LUXEON HL1Z

FWHM / FWTM 20.0 + 53.0° / 40.0 + 82.0°

Efficiency 90 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White

Required components:



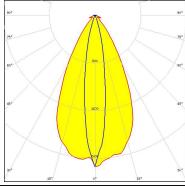
## **MUMILEDS**

LED LUXEON Z ES

FWHM / FWTM 53.0 + 16.0° / 82.0 + 35.0°

Efficiency 92 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

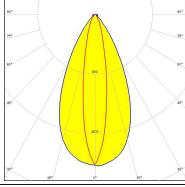


#### OSRAM Opto Semiconductors

LED Duris E 2835

FWHM / FWTM 18.0 + 52.0° / 48.0 + 82.0°

Efficiency 88 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

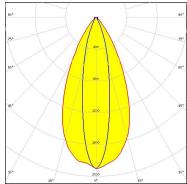


#### **OSRAM**

LED OSCONIQ P 3737 (2W version)

FWHM / FWTM  $49.0 + 22.0^{\circ} / 80.0 + 49.0^{\circ}$ 

Efficiency 83 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



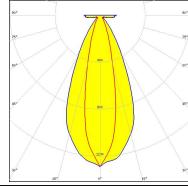


#### **OSRAM**

LED OSCONIQ P 3737 (3W version) FWHM / FWTM  $24.0 + 48.0^{\circ} / 48.0 + 80.0^{\circ}$ 

Efficiency 84 % Peak intensity 1.3 cd/lm LEDs/each optic Light colour White

Required components:



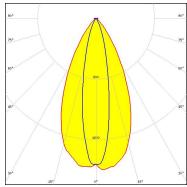
#### **OSRAM**

OSLON Square CSSRM2/CSSRM3 LED

FWHM / FWTM 48.0 + 20.0° / 82.0 + 44.0°

Efficiency 81 % Peak intensity 2 cd/lm LEDs/each optic 1 White Light colour

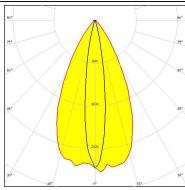
Required components:



# OSRAM Opto Semiconductors

LED OSLON SSL 150 FWHM / FWTM  $53.0 + 16.0^{\circ} / 80.0 + 30.0^{\circ}$ 

Efficiency 90 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour Red Required components:



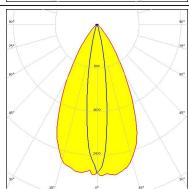
#### **OSRAM**

LED

OSLON SSL 150

FWHM / FWTM 54.0 + 15.0° / 80.0 + 30.0°

Efficiency 90 % Peak intensity 2.8 cd/lm LEDs/each optic Green Light colour



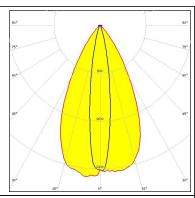


#### **OSRAM**

LED OSLON SSL 150
FWHM / FWTM 55.0 + 16.0° / 82.0 + 34.0°

Efficiency 89 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour Blue

Required components:



#### **OSRAM**

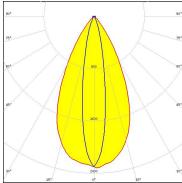
Opto Semiconductor

LED OSLON SSL 80

FWHM / FWTM 53.0 + 18.0° / 80.0 + 40.0°

Efficiency 86 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:



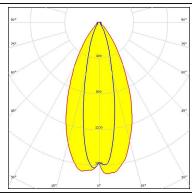
# **SAMSUNG**

LED LH351B

FWHM / FWTM  $49.0 + 24.0^{\circ}$  /  $83.0 + 53.0^{\circ}$ 

Efficiency 84 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:

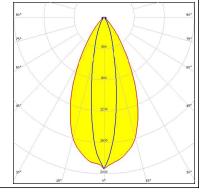




LED MJT 3030

FWHM / FWTM  $50.0 + 20.0^{\circ}$  /  $82.0 + 48.0^{\circ}$ 

Efficiency 85 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:







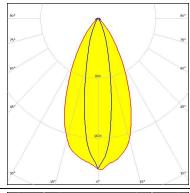
LED

Z5M1/Z5M2

FWHM / FWTM 50.0 + 22.0° / 82.0 + 48.0°

Efficiency 88 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White

Required components:



# SEOUL SEMICONDUCTOR

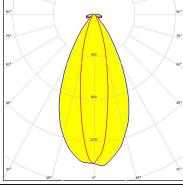
LED

Z8Y19

FWHM / FWTM 22.0 + 52.0° / 51.0 + 84.0°

Efficiency 87 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:

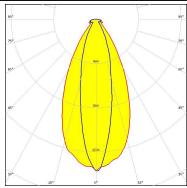


# SEOUL SEMICONDUCTOR

LED Z8Y22T

FWHM / FWTM 51.0 + 25.0° / 87.0 + 61.0°

Efficiency 87 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White



# PRODUCT DATASHEET CA14602\_VERONICA-SQ-MINI-O

#### **GENERAL INFORMATION:**

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

#### **MATERIALS:**

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### **LEDIL Oy**

Joensuunkatu 13 FI-24240 SALO Finland

#### LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

# Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

# Local sales and technical support

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

Salo, Finland Hong Kong, China

#### **Distribution Partners**

www.ledil.com/ where\_to\_buy