

### **MIRELLA-50-M**

~30° medium beam

#### **SPECIFICATION:**

Ø 49.9 mm **Dimensions** Height 23.9 mm Fastening glue **ROHS** compliant yes 🕕



Coating

lacquer

### **MATERIALS:**

Colour **Finish** Component **Type** Material MIRELLA-50-M Reflector PC metal

#### **ORDERING INFORMATION:**

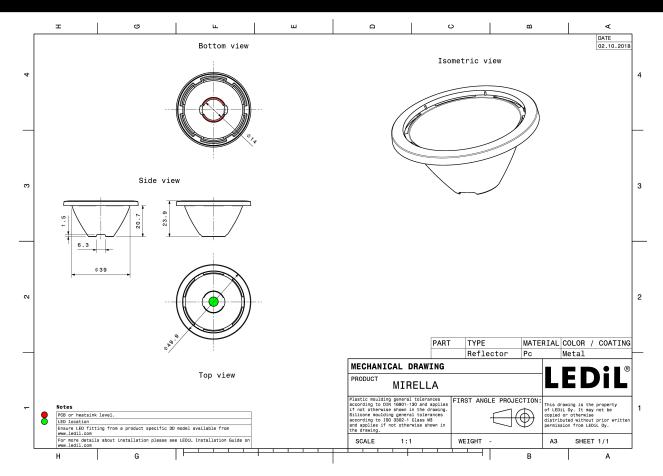
» Box size: 480 x 280 x 300 mm

Component Qty in box MOQ MPQ Box weight (kg)

336 C12477\_MIRELLA-50-M 112 28 2.8



# **PRODUCT** C12477\_MIRELL



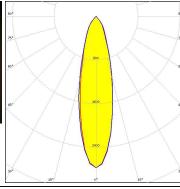
See also our general installation guide: www.ledil.com/installation\_guide





LED BXRA LS
FWHM / FWTM 27.0° / 64.0°
Efficiency 89 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

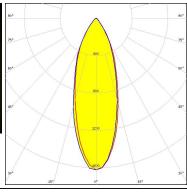




#### bridgelux.

LED BXRA LS
FWHM / FWTM 35.0° / 73.0°
Efficiency 83 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479\_MIRELLA-DL





#### bridgelux.

LED BXRA LS
FWHM / FWTM 27.0° / 69.0°
Efficiency 84 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333\_MIRELLA-CL



## **CITIZEN**

LED CLL01x
FWHM / FWTM 35.0° / 76.0°
Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333\_MIRELLA-CL



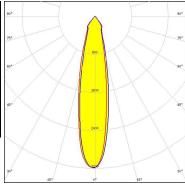


## **CITIZEN**

CLL01x  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 77.0°

Efficiency Peak intensity 3.2 cd/lm LEDs/each optic Light colour White





## **CITIZEN**

Required components:

CLL01x FWHM / FWTM 39.0° / 77.0°

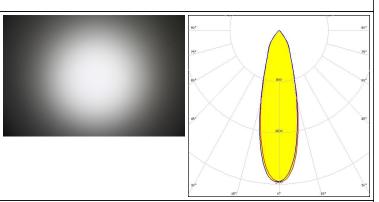
Efficiency % LEDs/each optic 1 White Light colour Required components: C12479\_MIRELLA-DL



## **CITIZEN**

LED CLL02x/CLU02x (LES10)

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 30.0° / 71.0° Efficiency 88 % Peak intensity 2.4 cd/lm LEDs/each optic Light colour White Required components:



## **CITIZEN**

CLL02x/CLU02x (LES10)

FWHM / FWTM 30.0° / 71.0° Efficiency 84 % Peak intensity 2.2 cd/lm LEDs/each optic White Light colour Required components: C13333\_MIRELLA-CL





#### **CITIZEN** CLL02x/CLU02x (LES10) $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 35.0° / 73.0° Efficiency 82 % Peak intensity 1.7 cd/lm LEDs/each optic Light colour White Required components: C12479\_MIRELLA-DL **CITIZEN** LED CLL02x/CLU02x (LES10) FWHM / FWTM 37.0° / 75.0° Efficiency 82 % Peak intensity 1.6 cd/lm LEDs/each optic 1 White Light colour Required components: C13723\_MIRELLA-RZL **CITIZEN** CLU700/701/702/703 FWHM / FWTM 29.0° / 69.0° Efficiency 84 % Peak intensity 2.2 cd/lm LEDs/each optic Light colour White Required components: C12479\_MIRELLA-DL **CITIZEN** CLU700/701/702/703 FWHM / FWTM 24.0° / 64.0° Efficiency 83 % Peak intensity 2.9 cd/lm LEDs/each optic White Light colour Required components: C13333\_MIRELLA-CL



Peak intensity

Light colour Required components: C12479\_MIRELLA-DL

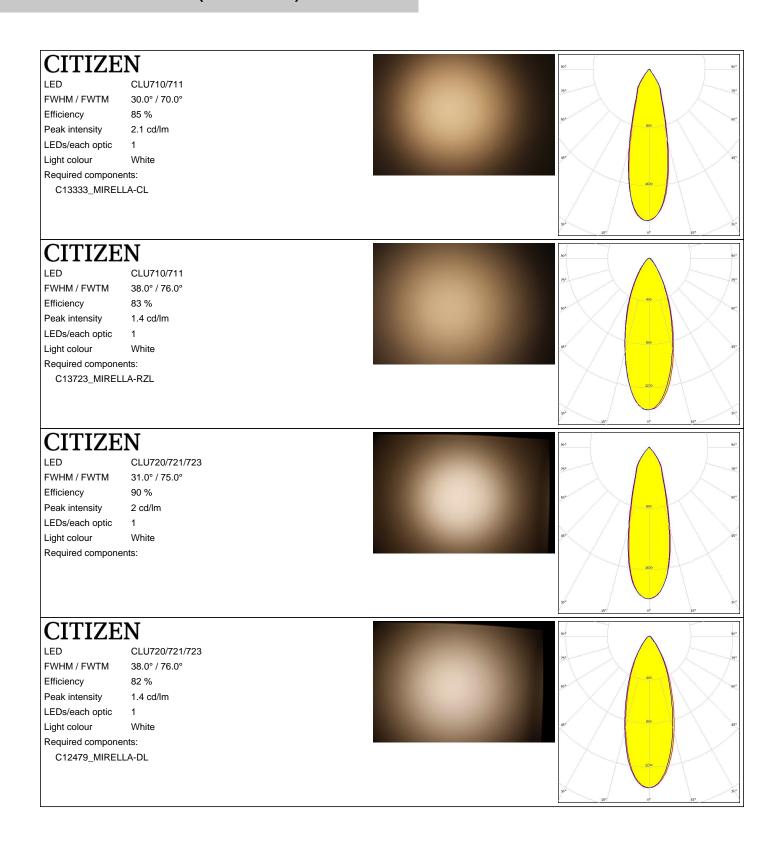
LEDs/each optic

1.5 cd/lm

White

#### **CITIZEN** CLU700/701/702/703 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 33.0° / 70.0° Efficiency 82 % Peak intensity 1.7 cd/lm LEDs/each optic Light colour White Required components: C13723\_MIRELLA-RZL **CITIZEN** LED CLU700/701/702/703 FWHM / FWTM 22.0° / 51.0° Efficiency 90 % Peak intensity 3.5 cd/lm LEDs/each optic 1 White Light colour Required components: **CITIZEN** CLU710/711 LED FWHM / FWTM 26.0° / 70.0° Efficiency 90 % Peak intensity 2.6 cd/lm LEDs/each optic Light colour White Required components: **CITIZEN** CLU710/711 FWHM / FWTM 35.0° / 74.0° Efficiency 81 %

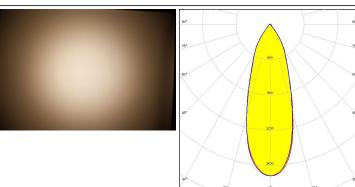






## **CITIZEN**

LED CLU720/721/723
FWHM / FWTM 35.0° / 73.0°
Efficiency 85 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333\_MIRELLA-CL



## **CITIZEN**

 LED
 CLU720/721/723

 FWHM / FWTM
 39.0° / 77.0°

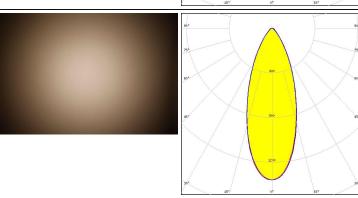
 Efficiency
 83 %

 Peak intensity
 1.4 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 C13723\_MIRELLA-RZL



#### CREE - LED

 LED
 CXA/B 13xx

 FWHM / FWTM
 26.0° / 67.0°

 Efficiency
 80 %

 Peak intensity
 2.4 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 C12479\_MIRELLA-DL



### CREE - LED

LED CXA/B 13xx
FWHM / FWTM 23.0° / 68.0°
Efficiency 81 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C13333\_MIRELLA-CL





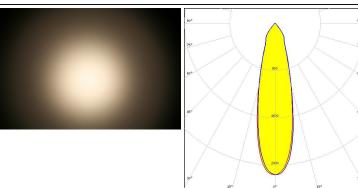
### CREE \$\text{LED}

LED CXA/B 13xx
FWHM / FWTM 20.0° / 55.0°
Efficiency 85 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



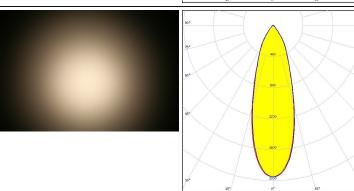
#### CREE - LED

LED CXA/B 15xx
FWHM / FWTM 28.0° / 72.0°
Efficiency 92 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



#### CREE - LED

LED CXA/B 15xx
FWHM / FWTM 34.0° / 72.0°
Efficiency 89 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479\_MIRELLA-DL



### CREE - LED

LED CXA/B 15xx
FWHM / FWTM 30.0° / 71.0°
Efficiency 83 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333\_MIRELLA-CL



### CREE \$\text{LED}

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM / FWTM 34.0° / 78.0°
Efficiency 88 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



#### CREE - LED

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM / FWTM 39.0° / 76.0°
Efficiency 83 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479\_MIRELLA-DL



#### CREE - LED

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

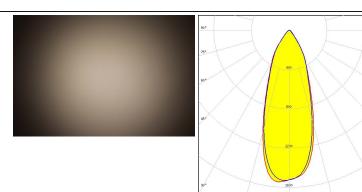
FWHM / FWTM 37.0° / 76.0°
Efficiency 82 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333\_MIRELLA-CL



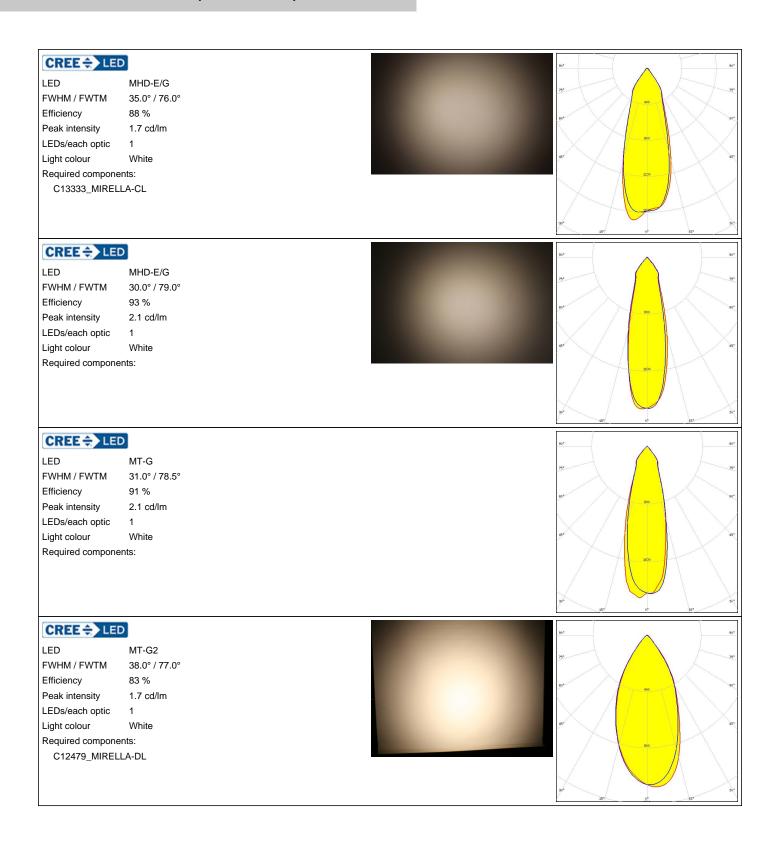
### CREE - LED

LED MHD-E/G
FWHM / FWTM 37.0° / 76.0°
Efficiency 88 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C12479\_MIRELLA-DL





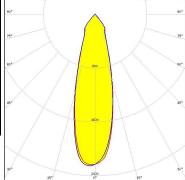




### CREE \$\text{LED}

LED MT-G2
FWHM / FWTM 30.0° / 78.0°
Efficiency 90 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:





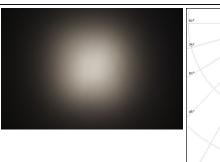
#### CREE - LED

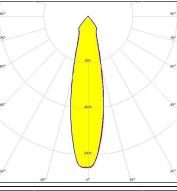
LED MT-G2
FWHM / FWTM 35.0° / 77.0°
Efficiency 85 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333\_MIRELLA-CL



#### CREE - LED

LED XHP50
FWHM / FWTM 25.0° / 76.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

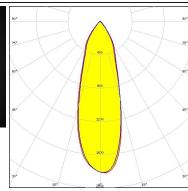




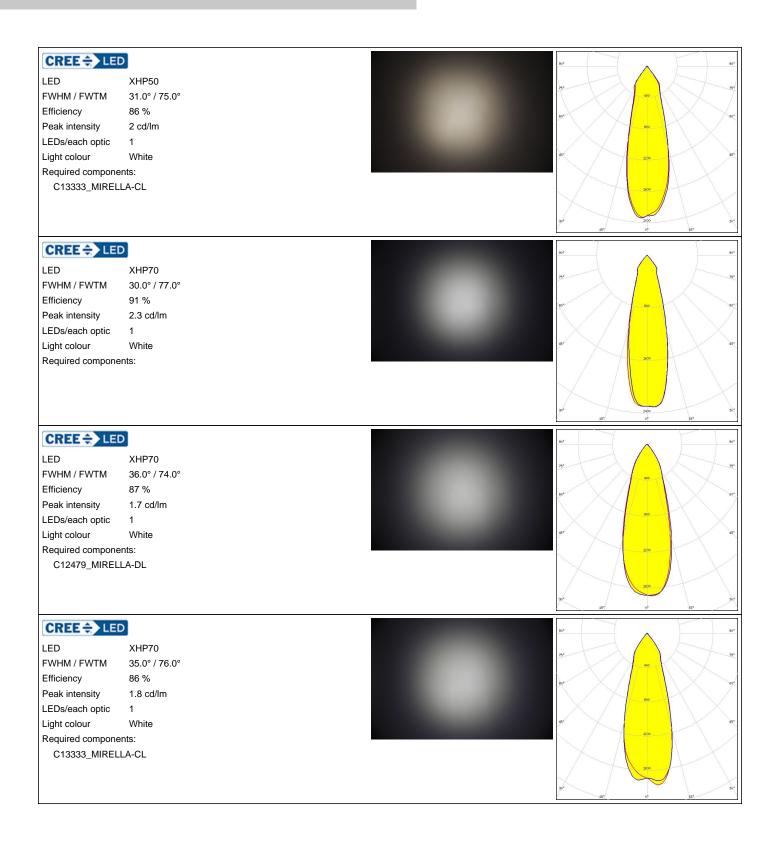
### CREE - LED

LED XHP50
FWHM / FWTM 33.0° / 74.0°
Efficiency 86 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C12479\_MIRELLA-DL

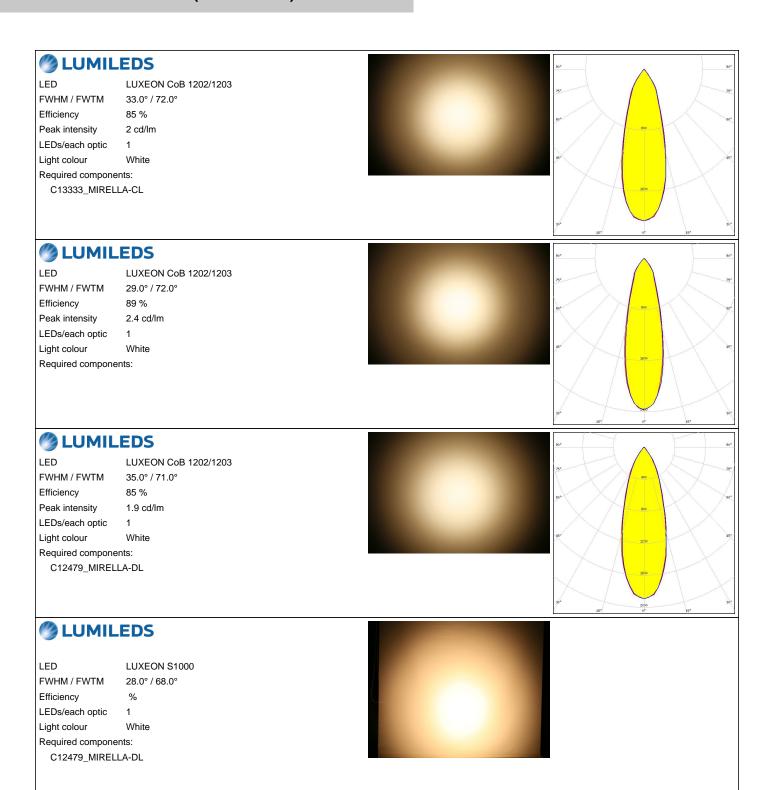














### **MUMILEDS**

LED LUXEON S1000
FWHM / FWTM 22.0° / 64.0°
Efficiency 83 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13333\_MIRELLA-CL



## **DESCRIPTION** LUMILEDS

LED LUXEON S1000 FWHM / FWTM 22.0° / 66.0°

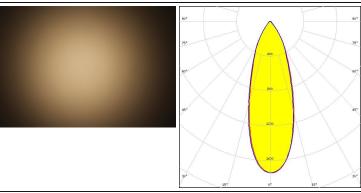
Efficiency %
LEDs/each optic 1
Light colour White
Required components:



### **ELUMINUS**

LED CxM-9 (13.5x13.5)
FWHM / FWTM 34.0° / 72.0°
Efficiency 85 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White

Required components: C12479\_MIRELLA-DL

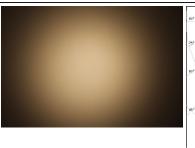


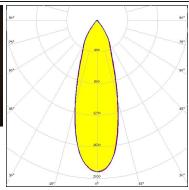
#### **ELUMINUS**

LED CxM-9 (13.5x13.5) FWHM / FWTM 33.0° / 72.0°

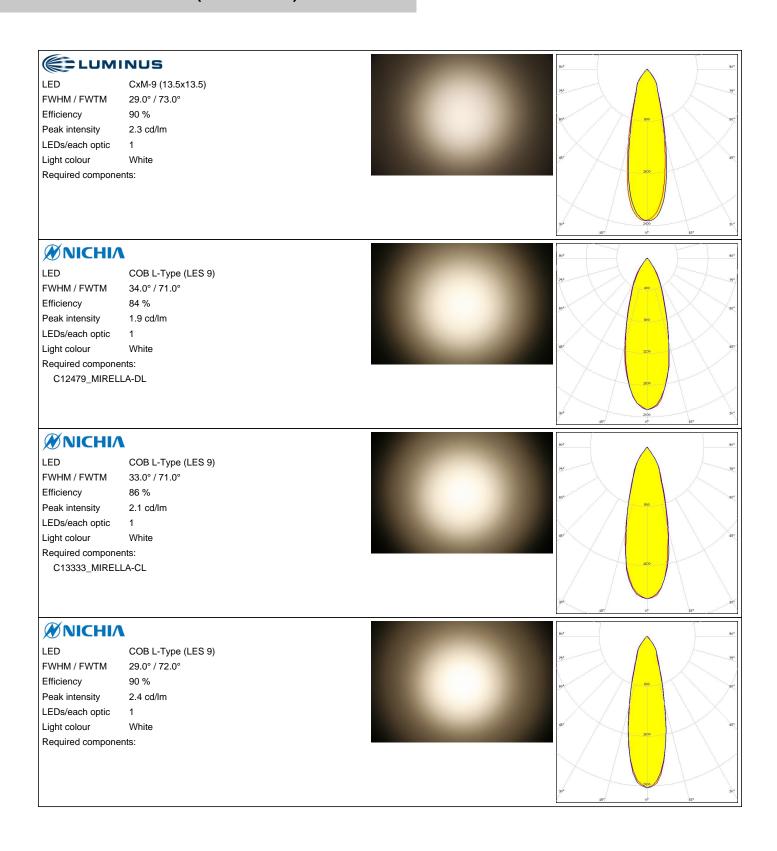
Efficiency 85 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C13333\_MIRELLA-CL

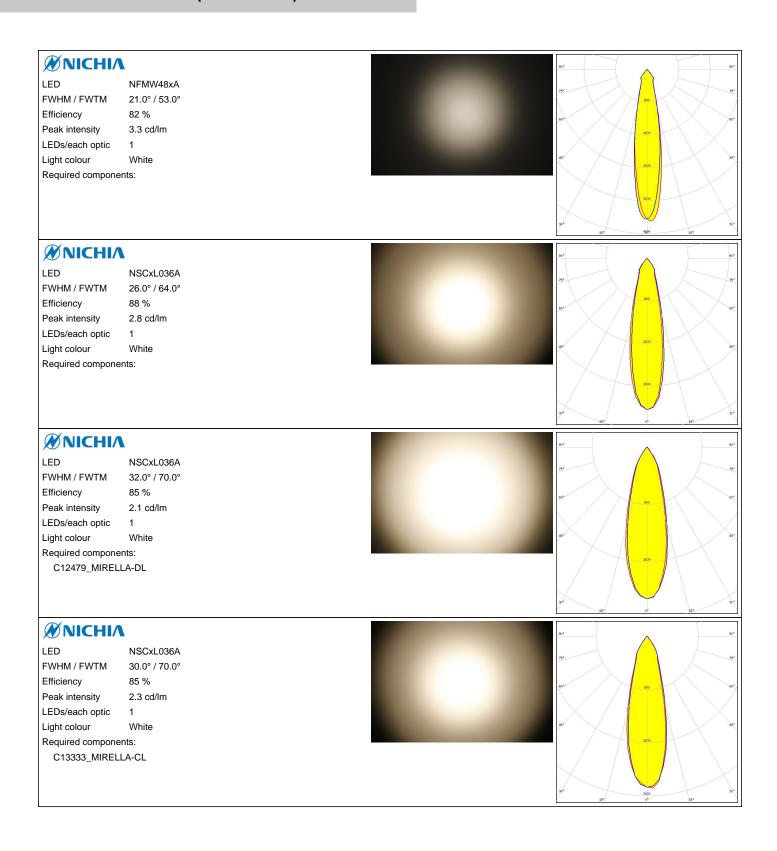














#### **OSRAM**

LED Duris S10 FWHM / FWTM 32.0° / 72.0° Efficiency 81 % Peak intensity 1.9 cd/lm LEDs/each optic Light colour White Required components:

C12479\_MIRELLA-DL



#### **OSRAM**

LED Duris S10 FWHM / FWTM 29.0° / 71.0° Efficiency 83 % Peak intensity 2.5 cd/lm LEDs/each optic 1 White Light colour Required components: C13333\_MIRELLA-CL



## OSRAM Opto Semiconductors

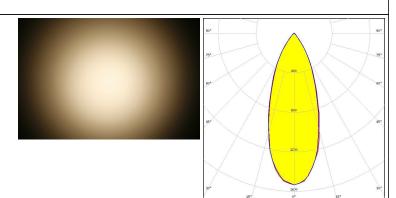
LED Duris S10  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 24.0° / 63.0° Efficiency 88 % Peak intensity 3.3 cd/lm LEDs/each optic Light colour White Required components:



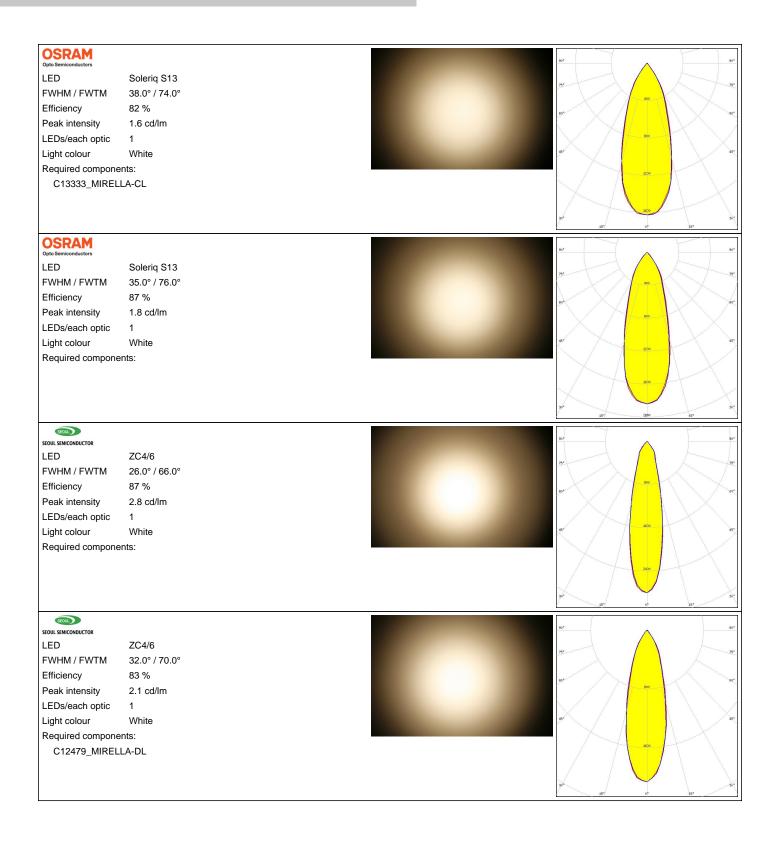
#### **OSRAM**

LED

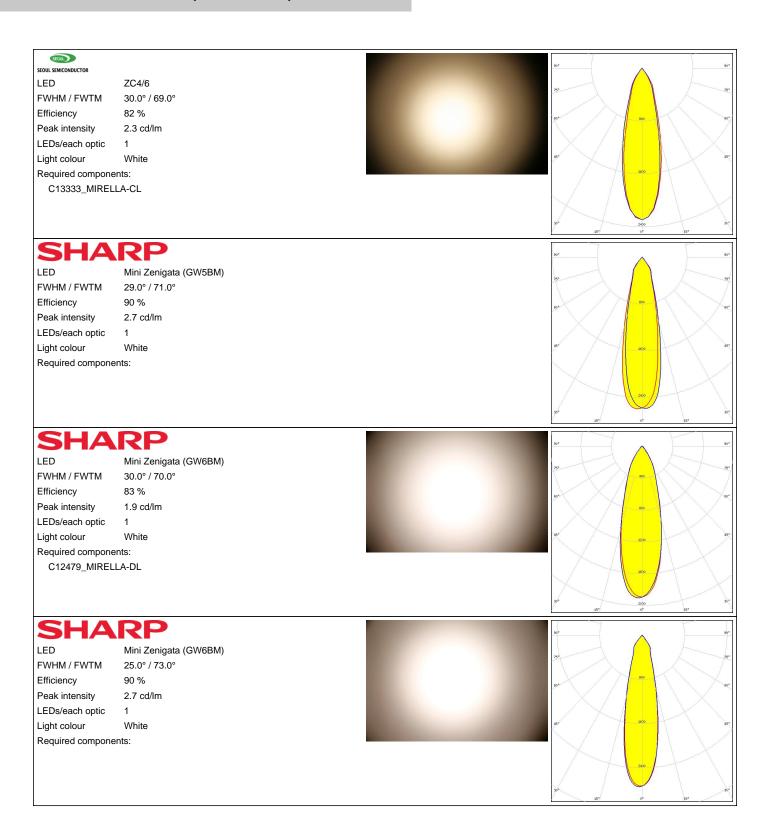
Soleriq S13 FWHM / FWTM 39.0° / 75.0° Efficiency 81 % Peak intensity 1.5 cd/lm LEDs/each optic White Light colour Required components: C12479\_MIRELLA-DL













## **OPTICAL RESULTS (SIMULATED):**

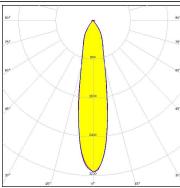
White



Light colour

LED Vero SE 10  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 22.0° / 64.0° Efficiency 91 % Peak intensity 3.1 cd/lm LEDs/each optic

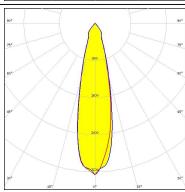
Required components:



### **MUMILEDS**

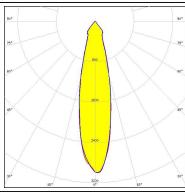
LED LUXEON 7070 FWHM / FWTM 26.0° / 52.0° Efficiency 96 % Peak intensity 3.3 cd/lm LEDs/each optic 1 White Light colour

Required components:



# OSRAM Opto Semiconductors

LED OSCONIQ P 7070 FWHM / FWTM 25.0° / 59.0° Efficiency 91 % Peak intensity 3 cd/lm LEDs/each optic Light colour White Required components:

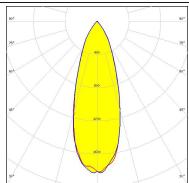


#### **OSRAM**

LED Soleriq S9 FWHM / FWTM 35.0° / 71.0° Efficiency 85 % Peak intensity 1.9 cd/lm

LEDs/each optic White Light colour Required components:

C12479\_MIRELLA-DL





## **OPTICAL RESULTS (SIMULATED):**

## OSRAM Opto Semiconductors

LED

Soleriq S9

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 

34.0° / 71.0° 87 %

Efficiency Peak intensity

2 cd/lm

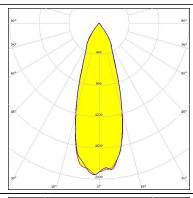
LEDs/each optic

White

Light colour

Required components:

C13333\_MIRELLA-CL



## OSRAM Opto Semiconductors

LED Soleriq S9

FWHM / FWTM

31.0° / 73.0°

Efficiency

91 %

Peak intensity

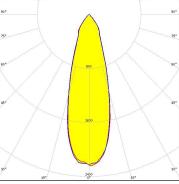
2.3 cd/lm

LEDs/each optic Light colour

White

1

Required components:





## PRODUCT DATASHEET C12477\_MIRELLA-50-M

#### **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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

#### **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.

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# 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**

23/23

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