

#### MIRELLA-50-S

~15° spot beam

#### **TECHNICAL SPECIFICATIONS:**

Dimensions Ø 49.9 mm

Height 24 mm

Fastening glue

Colour metal

Box size 480 x 280 x 300 mm

Box weight 3 kg

Quantity in Box 336 pcs

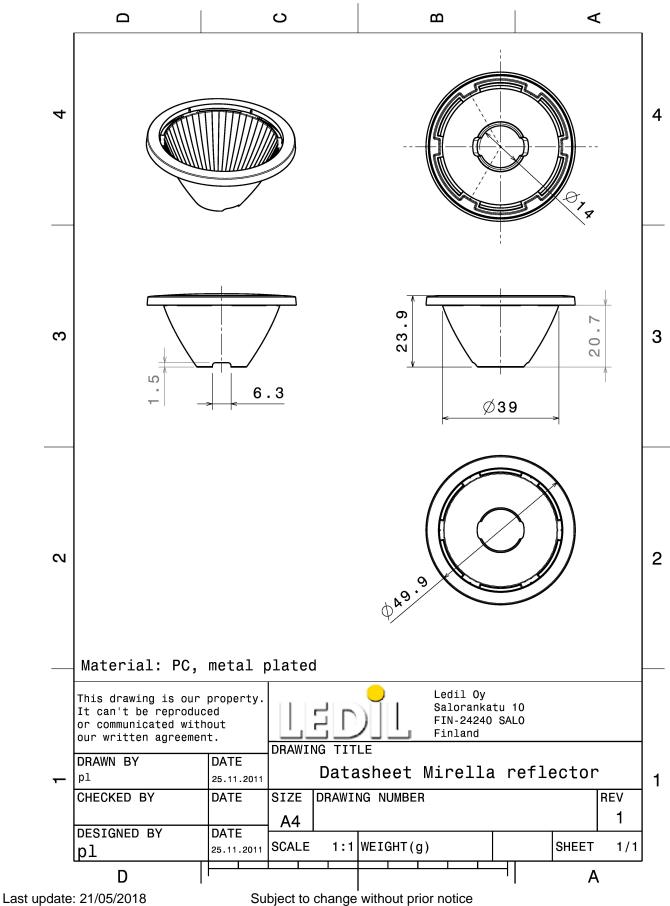
ROHS compliant yes 1



#### **MATERIAL SPECIFICATIONS:**

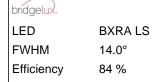
ComponentTypeMaterialColourCoatingMIRELLA-50-SReflectorPCmetallacquer







#### PHOTOMETRIC DATA (MEASURED):



Peak intensity 6.700 cd/lm Required components: C13333\_MIRELLA-CL

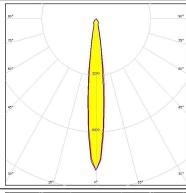


#### bridgelux.

LED **BXRALS FWHM** 13.0° Efficiency 89 % Peak intensity 8.600 cd/lm

Required components:

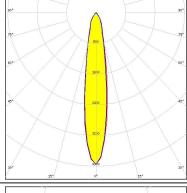




#### bridgelux

LED **BXRALS FWHM** 18.0° Efficiency 83 % Peak intensity 4.000 cd/lm Required components: C12479\_MIRELLA-DL

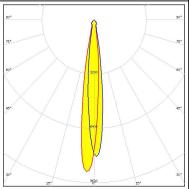




## **CITIZEN**

LED CLL01x 14.0° **FWHM** Efficiency % Peak intensity cd/lm Required components:





#### PHOTOMETRIC DATA (MEASURED):

## **CITIZEN**

LED CLL01x
FWHM 20.0°
Efficiency %
Peak intensity cd/Im
Required components:

C12479\_MIRELLA-DL



## **CITIZEN**

LED CLL01x
FWHM 17.0°
Efficiency 84 %
Peak intensity 5.500 cd/lm
Required components:
C13333\_MIRELLA-CL



#### **CITIZEN**

LED CLL02x/CLU02x (LES10)

FWHM 20.0° Efficiency 93 % Peak intensity cd/lm Required components:

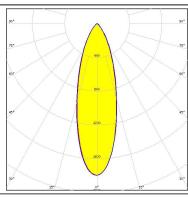


## **CITIZEN**

LED CLL02x/CLU02x (LES10)

FWHM 32.0°
Efficiency 81 %
Peak intensity 1.800 cd/lm
Required components:
C13723\_MIRELLA-RZL





#### PHOTOMETRIC DATA (MEASURED):

## **CITIZEN**

LED CLL02x/CLU02x (LES10)

FWHM 19.0°
Efficiency 84 %
Peak intensity 3.600 cd/lm
Required components:
C13333\_MIRELLA-CL

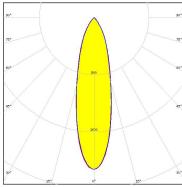


## **CITIZEN**

LED CLL02x/CLU02x (LES10)

FWHM 28.0°
Efficiency 82 %
Peak intensity 2.130 cd/lm
Required components:
C12479\_MIRELLA-DL



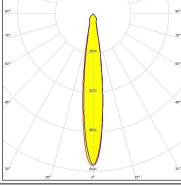


#### **CITIZEN**

LED CLU700/701

FWHM 15.0°
Efficiency 90 %
Peak intensity 6.200 cd/lm
Required components:





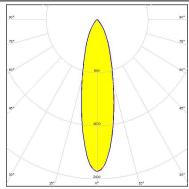
## **CITIZEN**

LED CLU700/701

FWHM 26.0°
Efficiency 83 %
Peak intensity 2.300 cd/lm
Required components:

C13723\_MIRELLA-RZL





#### PHOTOMETRIC DATA (MEASURED):

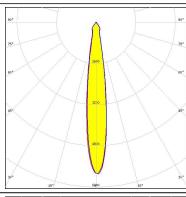
## **CITIZEN**

LED CLU700/701

FWHM 15.0°
Efficiency 85 %
Peak intensity 5.900 cd/lm
Required components:

C13333\_MIRELLA-CL





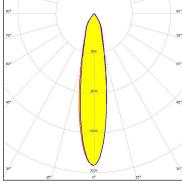
## **CITIZEN**

LED CLU700/701

FWHM 21.0°
Efficiency 84 %
Peak intensity 3.100 cd/lm
Required components:

C12479\_MIRELLA-DL





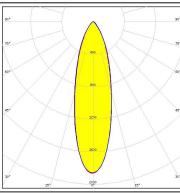
#### **CITIZEN**

LED CLU710/711

FWHM 29.0°
Efficiency 83 %
Peak intensity 1.900 cd/lm
Required components:

C13723\_MIRELLA-RZL



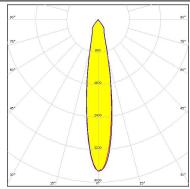


## **CITIZEN**

LED CLU710/711

FWHM 20.0°
Efficiency 90 %
Peak intensity 3.700 cd/lm
Required components:





#### PHOTOMETRIC DATA (MEASURED):

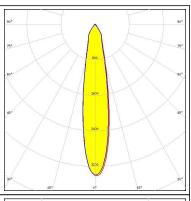
## **CITIZEN**

LED CLU710/711

FWHM 20.0°
Efficiency 85 %
Peak intensity 3.400 cd/lm
Required components:

C13333\_MIRELLA-CL





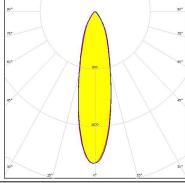
## **CITIZEN**

LED CLU710/711

FWHM 26.0° Efficiency 83 % Peak intensity 2.100 cd/lm

Required components: C12479\_MIRELLA-DL





#### **CITIZEN**

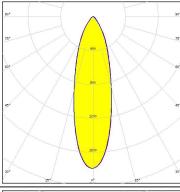
LED CLU720/721

FWHM 30.0° Efficiency 82 % Peak intensity 1.800 cd/lm

C12479\_MIRELLA-DL

Required components:





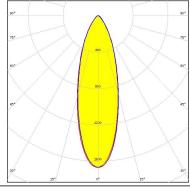
## **CITIZEN**

LED CLU720/721

FWHM 32.0° Efficiency 83 % Peak intensity 1.700 cd/lm

Required components: C13723\_MIRELLA-RZL





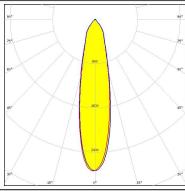
#### PHOTOMETRIC DATA (MEASURED):

## **CITIZEN**

LED CLU720/721

FWHM 24.0°
Efficiency 90 %
Peak intensity 2.400 cd/lm
Required components:





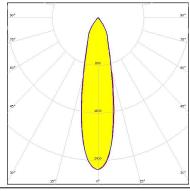
## **CITIZEN**

LED CLU720/721

FWHM 25.0°
Efficiency 85 %
Peak intensity 2.500 cd/lm
Required components:

C13333\_MIRELLA-CL





## CREE \$

LED CXA/B 13xx

FWHM 15.0° Efficiency 81 % Peak intensity 5.400 cd/lm

C12479\_MIRELLA-DL

Required components:



## CREE 🕏

LED CXA/B 13xx

FWHM 12.0°
Efficiency 87 %
Peak intensity 9.500 cd/lm
Required components:



#### PHOTOMETRIC DATA (MEASURED):

## CREE \$

LED CXA/B 13xx

FWHM 12.0° Efficiency 82 %

Peak intensity 8.500 cd/lm

Required components:

C13333\_MIRELLA-CL



### CREE &

LED CXA/B 15xx

FWHM 19.0° Efficiency 84 % Peak intensity 4.300 cd/lm

Required components: C13333\_MIRELLA-CL



## CREE \$

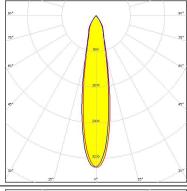
LED CXA/B 15xx

FWHM 20.0° Efficiency 90 % Peak intensity 3.100 cd/lm

C12479\_MIRELLA-DL

Required components:





## CREE 🕏

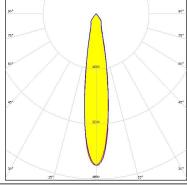
LED CXA/B 15xx

FWHM 16.0° Efficiency 93 %

Peak intensity 5.100 cd/lm

Required components:





#### PHOTOMETRIC DATA (MEASURED):

## CREE 🚓

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

FWHM 23.0°
Efficiency 89 %
Peak intensity 3.200 cd/lm
Required components:



### CREE &

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

FWHM 25.0°
Efficiency 83 %
Peak intensity 2.900 cd/lm
Required components:
C13333\_MIRELLA-CL



### CREE \$

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

FWHM 26.0°
Efficiency 83 %
Peak intensity 2.600 cd/lm
Required components:
C12479\_MIRELLA-DL

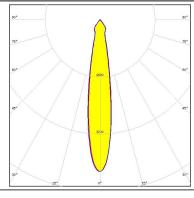


## CREE 🚓

LED MHD-E/G
FWHM 18.0°
Efficiency 89 %
Peak intensity 4.200 cd/lm

Required components: C13333\_MIRELLA-CL





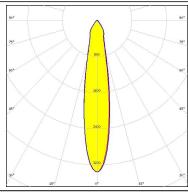
#### PHOTOMETRIC DATA (MEASURED):

## CREE \$

LED MHD-E/G
FWHM 20.0°
Efficiency 88 %
Peak intensity 3.300 cd/lm
Required components:

C12479\_MIRELLA-DL

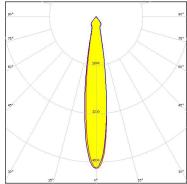




#### CREE 🚓

LED MHD-E/G
FWHM 16.0°
Efficiency 94 %
Peak intensity 5.000 cd/lm
Required components:





## CREE 🚓

LED MT-G2
FWHM 18.0°
Efficiency 85 %
Peak intensity 4.700 cd/lm
Required components:

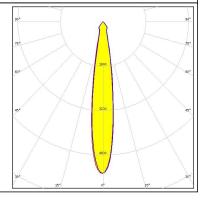
C13333\_MIRELLA-CL



## CREE 💠

LED MT-G2
FWHM 17.0°
Efficiency 92 %
Peak intensity 5.500 cd/lm
Required components:





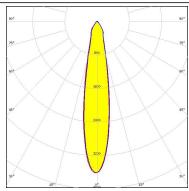
#### PHOTOMETRIC DATA (MEASURED):

## CREE \$

LED MT-G2 FWHM 20.0° Efficiency 85 %

Peak intensity 3.700 cd/lm Required components: C12479\_MIRELLA-DL



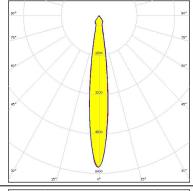


### CREE 🚓

LED XHP50 FWHM 14.0° Efficiency 86 %

Peak intensity 6.200 cd/lm Required components: C13333\_MIRELLA-CL





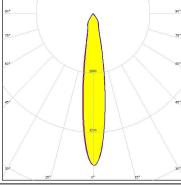
## CREE 💠

LED XHP50 FWHM 17.0° Efficiency 85 %

Peak intensity 4.100 cd/lm Required components:

C12479\_MIRELLA-DL



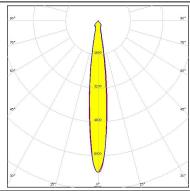


## CREE 💠

LED XHP50
FWHM 14.0°
Efficiency 92 %
Peak intensity 7.200 cd/lm

Required components:





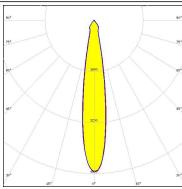
#### PHOTOMETRIC DATA (MEASURED):

## CREE \$

LED XHP70
FWHM 18.0°
Efficiency 86 %
Peak intensity 4.800 cd/lm

Required components: C13333\_MIRELLA-CL



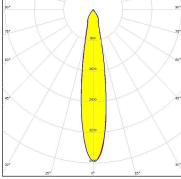


#### CREE 🚓

LED XHP70
FWHM 19.0°
Efficiency 86 %
Peak intensity 4.000 cd/lm

Required components: C12479\_MIRELLA-DL



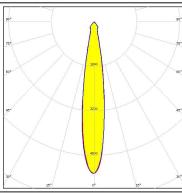


## CREE 💠

LED XHP70
FWHM 17.0°
Efficiency 90 %
Peak intensity 5.500 cd/lm

Required components:





## **LG** Innotek

LED COB 4W
FWHM 17.0°
Efficiency 86 %
Peak intensity 4.400 cd/lm
Required components:

C12479\_MIRELLA-DL



#### PHOTOMETRIC DATA (MEASURED):



LED COB 4W
FWHM 14.0°
Efficiency 91 %
Peak intensity 6.700 cd/lm
Required components:



#### **LG** Innotek

LED COB 4W
FWHM 15.0°
Efficiency 85 %
Peak intensity 6.300 cd/lm
Required components:
C13333\_MIRELLA-CL

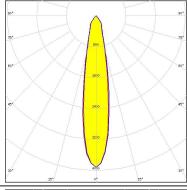


#### **MILEDS**

LED LUXEON CoB 1202/1203

FWHM 20.0°
Efficiency 89 %
Peak intensity 3.900 cd/lm
Required components:



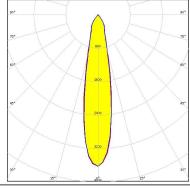


#### **DESCRIPTION** LUMILEDS

LED LUXEON CoB 1202/1203

FWHM 21.0°
Efficiency 86 %
Peak intensity 3.600 cd/lm
Required components:
C13333\_MIRELLA-CL







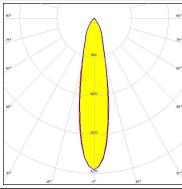
#### PHOTOMETRIC DATA (MEASURED):

#### **MUMILEDS**

LED LUXEON CoB 1202/1203

FWHM 23.0°
Efficiency 85 %
Peak intensity 3.100 cd/lm
Required components:
C12479\_MIRELLA-DL





#### **MUMILEDS**

LED LUXEON S1000

FWHM 14.0°
Efficiency 84 %
Peak intensity 5.500 cd/lm
Required components:
C13333\_MIRELLA-CL



## **MILEDS**

LED LUXEON S1000

FWHM 17.0°
Efficiency %
Peak intensity cd/lm
Required components:



### **DESCRIPTION** LUMILEDS

LED LUXEON S1000

FWHM 21.0°
Efficiency %
Peak intensity cd/Im
Required components:
C12479\_MIRELLA-DL



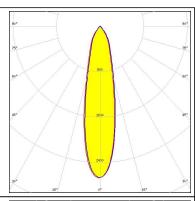
#### PHOTOMETRIC DATA (MEASURED):



LED CXM-9
FWHM 24.0°
Efficiency 84 %
Peak intensity 2.700 c

Peak intensity 2.700 cd/lm Required components:

C12479\_MIRELLA-DL



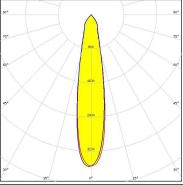
#### **ELUMINUS**

LED CXM-9 FWHM 21.0° Efficiency 90 %

Peak intensity 3.600 cd/lm

Required components:





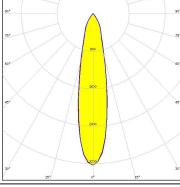
#### **WNICHIA**

LED COB L-Type (LES 9)

FWHM 23.0°
Efficiency 86 %
Peak intensity 3.200 cd/lm
Required components:

C12479\_MIRELLA-DL



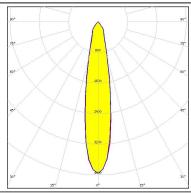


#### **WNICHIA**

LED COB L-Type (LES 9)

FWHM 20.0°
Efficiency 90 %
Peak intensity 4.000 cd/lm
Required components:





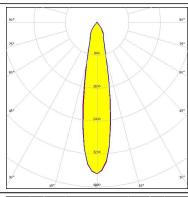
#### PHOTOMETRIC DATA (MEASURED):

#### **WNICHIA**

LED COB L-Type (LES 9)

FWHM 22.0°
Efficiency 87 %
Peak intensity 3.700 cd/lm
Required components:
C13333\_MIRELLA-CL





#### **WNICHIA**

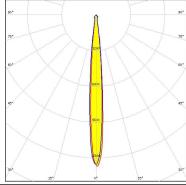
LED NFMW48xA

FWHM 9.5° Efficiency 88 %

Peak intensity 13.600 cd/lm

Required components:



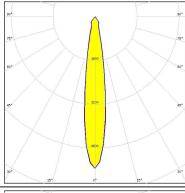


#### **WNICHIA**

LED NSCxL036A

FWHM 17.0°
Efficiency 88 %
Peak intensity 5.600 cd/lm
Required components:



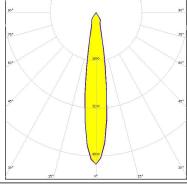


### **WNICHIA**

LED NSCxL036A

FWHM 17.0°
Efficiency 84 %
Peak intensity 5.000 cd/lm
Required components:
C13333\_MIRELLA-CL





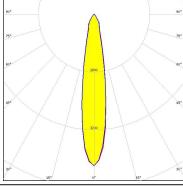
#### PHOTOMETRIC DATA (MEASURED):

#### **WNICHIA**

LED NSCxL036A

**FWHM** 19.0° Efficiency 84 % Peak intensity 4.200 cd/lm Required components: C12479\_MIRELLA-DL





## OSRAM Opto Semicond

LED Duris S10 **FWHM** 15.0° Efficiency 83 % Peak intensity 6.700 cd/lm

Required components: C13333\_MIRELLA-CL



## OSRAM Opto Semiconductors

LED Duris S10 **FWHM** 20.0° Efficiency 81 % Peak intensity 3.400 cd/lm

Required components: C12479\_MIRELLA-DL



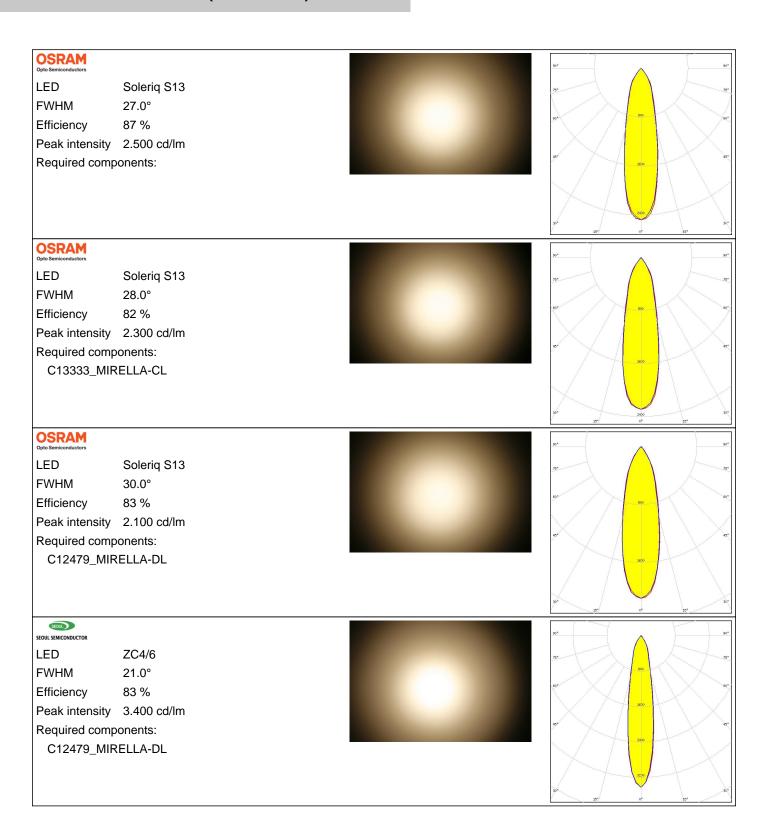
#### OSRAM Opto Semiconductors

LED Duris S10 **FWHM** 15.0° 89 % Efficiency Peak intensity 6.500 cd/lm Required components:





#### PHOTOMETRIC DATA (MEASURED):





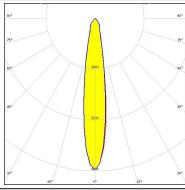
#### PHOTOMETRIC DATA (MEASURED):



LED ZC4/6
FWHM 18.0°
Efficiency 88 %
Peak intensity 4.800 cd/lm

Required components:



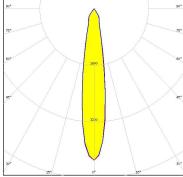


#### SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM 19.0°
Efficiency 82 %
Peak intensity 4.300 cd/lm
Required components:

C13333\_MIRELLA-CL

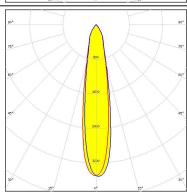




## SHARP

LED Mini Zenigata (GW5BM)

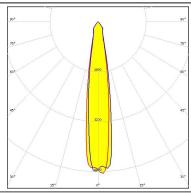
FWHM 20.0°
Efficiency 86 %
Peak intensity 3.500 cd/lm
Required components:
C12479\_MIRELLA-DL



## SHARP

LED Mini Zenigata (GW5BM)

FWHM 17.0°
Efficiency 92 %
Peak intensity 4.800 cd/lm
Required components:



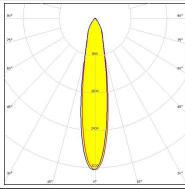
#### PHOTOMETRIC DATA (MEASURED):

#### SHARP

LED Mini Zenigata (GW6BM)

FWHM 20.0°
Efficiency 84 %
Peak intensity 3.200 cd/lm
Required components:
C12479\_MIRELLA-DL



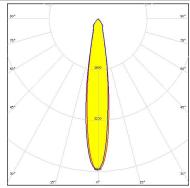


#### SHARP

LED Mini Zenigata (GW6BM)

FWHM 17.0°
Efficiency 91 %
Peak intensity 4.800 cd/lm
Required components:



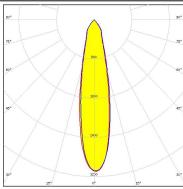


## **TRIDONIC**

LED SLE G5 LES11

FWHM 23.0°
Efficiency 87 %
Peak intensity 3.100 cd/lm
Required components:



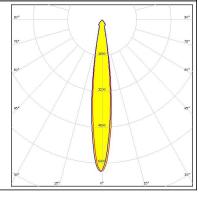


## **TRIDONIC**

LED SLE G5 LES6

FWHM 15.0°
Efficiency 89 %
Peak intensity 6.780 cd/lm
Required components:





#### PHOTOMETRIC DATA (SIMULATED):

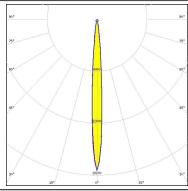
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				الما سنا	-

LED LUXEON V

FWHM 7.7° Efficiency 89 %

Peak intensity 18.700 cd/lm

Required components:



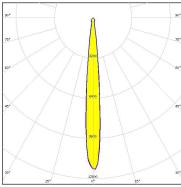
#### OSRAM Opto Semiconductors

LED OSCONIQ P 7070

FWHM 11.0° Efficiency 91 %

Peak intensity 12.200 cd/lm

Required components:



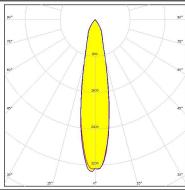
#### OSRAM Opto Semiconductors

LED Soleriq S9

FWHM 21.0° Efficiency 86 %

Peak intensity 3.400 cd/lm

Required components: C12479\_MIRELLA-DL



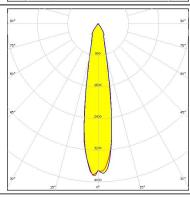
#### OSRAM Opto Semiconductors

LED Soleriq S9 FWHM 20.0°

FWHM 20.0° Efficiency 87 %

Peak intensity 3.900 cd/lm

Required components: C13333\_MIRELLA-CL





## PHOTOMETRIC DATA (SIMULATED):

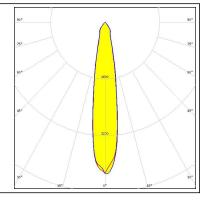
OSRAM Opto Semiconductors

LED Soleriq S9

FWHM 19.0° Efficiency 91 %

Peak intensity 4.400 cd/lm

Required components:





#### **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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#### LEDiL Oy

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## Local sales and technical support

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