

MIRELLA-50-M-PF

~30° medium beam

TECHNICAL SPECIFICATIONS:

Dimensions Ø 49.9 mm

Height 24 mm

Fastening socket

Colour metal

Box size 480 x 280 x 300 mm

Box weight 2.8 kg Quantity in Box 336 pcs yes 🕕 **ROHS** compliant





1/41

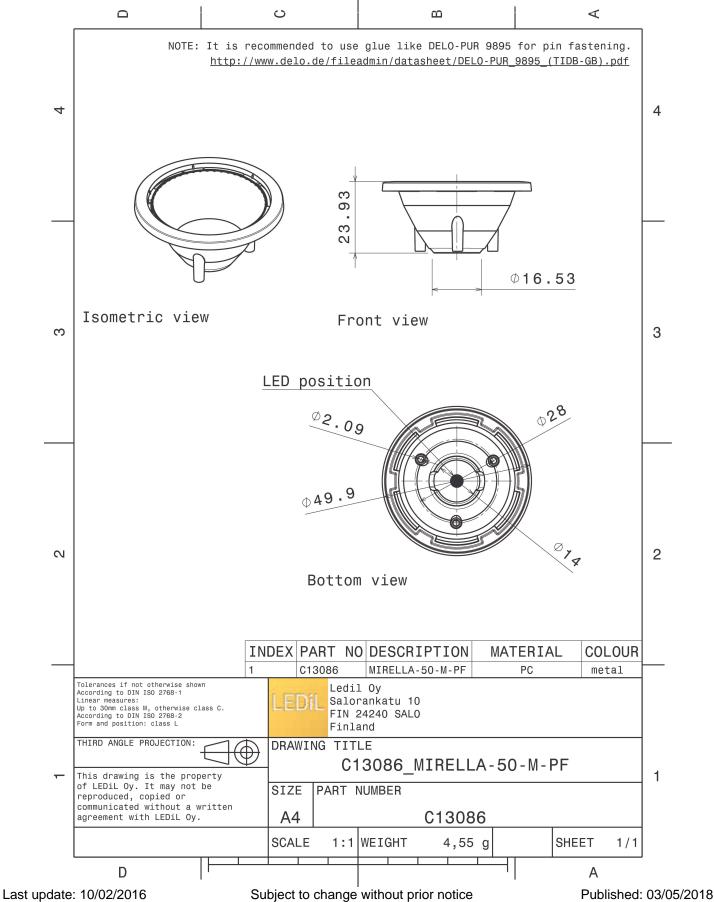
MATERIAL SPECIFICATIONS:

Component **Type** Material Colour Coating MIRELLA-50-M-PF Reflector PC metal lacquer



PRODUCT

C13086_MIRELLA-50-M-PF





PHOTOMETRIC DATA (MEASURED):

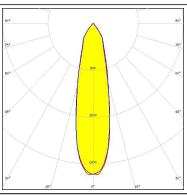
bridgelux.

LED V10 Gen7
FWHM 26.0°
Efficiency 88 %
Peak intensity 2.590 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1





bridgelux.

LED V6 Gen6
FWHM 21.0°
Efficiency 75 %
Peak intensity 3.200 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 460 Typ L1



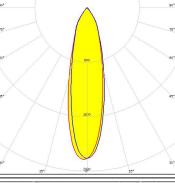
bridgelux.

LED V6 Gen6
FWHM 27.0°
Efficiency 82 %
Peak intensity 2.200 cd/lm
Required components:

C13761_PF-SOCKET-CXA15

C12479_MIRELLA-DL



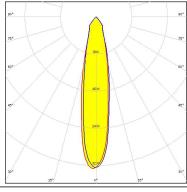


bridgelux.

LED V6 Gen6
FWHM 21.0°
Efficiency 88 %
Peak intensity 3.300 cd/lm
Required components:

C13761_PF-SOCKET-CXA15







PHOTOMETRIC DATA (MEASURED):

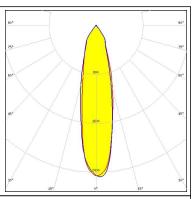
bridgelux.

LED V6 Gen6
FWHM 25.0°
Efficiency 82 %
Peak intensity 2.300 cd/lm
Required components:

C13761_PF-SOCKET-CXA15

C13333_MIRELLA-CL

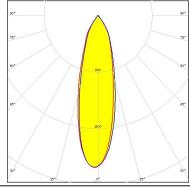




bridgelux.

LED V8 Gen6
FWHM 28.0°
Efficiency 83 %
Peak intensity 2.200 cd/lm
Required components:

C13761_PF-SOCKET-CXA15 C12479_MIRELLA-DL



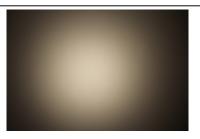
bridgelux.

LED V8 Gen6
FWHM 26.0°
Efficiency 71 %
Peak intensity 2.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 460 Typ L1



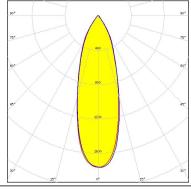
bridgelux.

LED VERO10
FWHM 32.0°
Efficiency 80 %
Peak intensity 1.800 cd/lm
Required components:

C13708_PF-SOCKET-VERO10

C12479_MIRELLA-DL





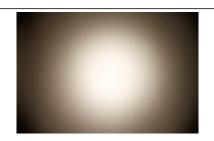


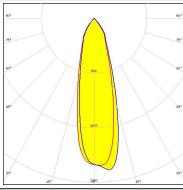
PHOTOMETRIC DATA (MEASURED):

bridgelux.

LED VERO10 **FWHM** 28.0° Efficiency 85 % Peak intensity 2.200 cd/lm Required components:

C13708_PF-SOCKET-VERO10





bridgelux.

LED VERO10 **FWHM** 32.0° 80 % Efficiency Peak intensity 1.800 cd/lm

Required components:

C13708_PF-SOCKET-VERO10

C13333_MIRELLA-CL

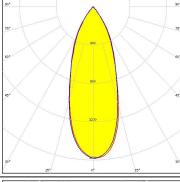
bridgelux

LED VERO13 **FWHM** 37.0° Efficiency 82 % Peak intensity 1.590 cd/lm Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL



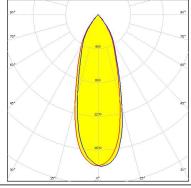


bridgelux.

LED VERO13 **FWHM** 34.0° 88 % Efficiency Peak intensity 1.800 cd/lm Required components:

C13709_PF-SOCKET-VERO13-18







PHOTOMETRIC DATA (MEASURED):

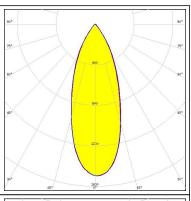
bridgelux.

LED VERO13
FWHM 38.0°
Efficiency 82 %
Peak intensity 1.500 cd/lm

Required components: C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL





bridgelux.

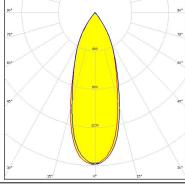
LED Xenio Point 13mm

FWHM 36.0°
Efficiency 80 %
Peak intensity 1.590 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL





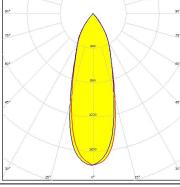
bridgelux

LED Xenio Point 13mm

FWHM 34.0°
Efficiency 84 %
Peak intensity 1.760 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18





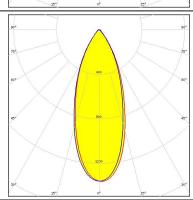
bridgelux.

LED Xenio Point 13mm

FWHM 39.0°
Efficiency 78 %
Peak intensity 1.360 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL





PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL01x

FWHM 24.0°

Efficiency 86 %

Peak intensity 2.600 cd/lm

Required components:

C13083_PF-SOCKET

C13333_MIRELLA-CL

CITIZEN

LED CLL01x

FWHM 28.0°

86 % Efficiency

Peak intensity 2.300 cd/lm

Required components:

C13083_PF-SOCKET

C12479_MIRELLA-DL

CITIZEN

LED CLL01x

FWHM 20.0°

Efficiency 90 %

Peak intensity 3.100 cd/lm

Required components:

C13083_PF-SOCKET

CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM 31.0°

87 % Efficiency

Peak intensity 2.300 cd/lm

Required components:

C13083_PF-SOCKET

C12479_MIRELLA-DL











PHOTOMETRIC DATA (MEASURED):

CITIZEN

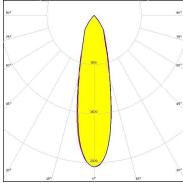
LED CLL02x/CLU02x (LES10)

FWHM 26.0° Efficiency 84 % Peak intensity 2.500 cd/lm Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1





CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM 26.0° 91 % Efficiency Peak intensity 3.000 cd/lm Required components: C13083_PF-SOCKET



CITIZEN

LED CLL02x/CLU02x (LES10)

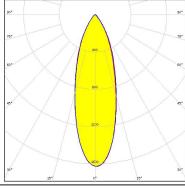
FWHM 33.0° Efficiency 76 % Peak intensity 1.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 434 Typ L1





CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM 30.0° 87 % Efficiency Peak intensity 2.500 cd/lm Required components: C13083_PF-SOCKET

C13333_MIRELLA-CL





PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM 36.0° Efficiency %

Peak intensity 1.000 cd/lm Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL



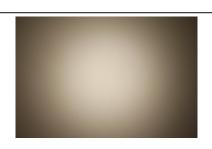
CITIZEN

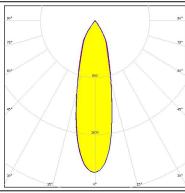
LED CLL02x/CLU02x (LES10)

FWHM 28.0°
Efficiency 79 %
Peak intensity 2.100 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 434 Typ L1





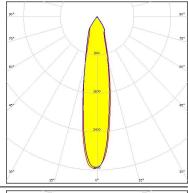
CITIZEN

LED CLU700/701

FWHM 21.0°
Efficiency 82 %
Peak intensity 3.200 cd/lm
Required components:

C13083_PF-SOCKET
C13333_MIRELLA-CL





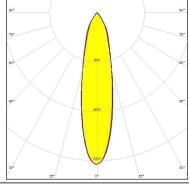
CITIZEN

LED CLU700/701

FWHM 24.0° Efficiency 81 % Peak intensity 2.500 cd/lm

Required components: C13083_PF-SOCKET C12479_MIRELLA-DL







PHOTOMETRIC DATA (MEASURED):

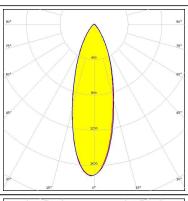
CITIZEN

LED CLU700/701

FWHM 32.0°
Efficiency 81 %
Peak intensity 1.700 cd/lm
Required components:
C13083_PF-SOCKET

C13723_MIRELLA-RZL





CITIZEN

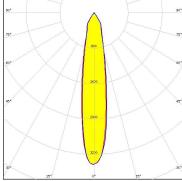
LED CLU700/701

FWHM 19.0°
Efficiency 78 %
Peak intensity 4.800 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 434 Typ L1





CITIZEN

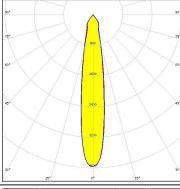
LED CLU700/701

FWHM 18.0°
Efficiency 82 %
Peak intensity 4.000 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1





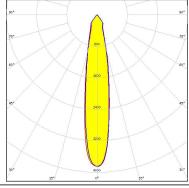
CITIZEN

LED CLU700/701

FWHM 19.0°
Efficiency 87 %
Peak intensity 3.900 cd/lm
Required components:

C13083_PF-SOCKET







PHOTOMETRIC DATA (MEASURED):

CITIZEN

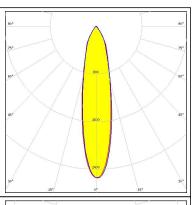
LED CLU700/701

FWHM 23.0°
Efficiency 77 %
Peak intensity 2.500 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 434 Typ L1





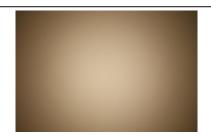
CITIZEN

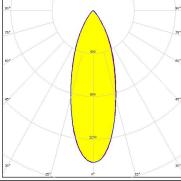
LED CLU720/721

FWHM 36.0°
Efficiency 73 %
Peak intensity 1.400 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 433 Typ L1





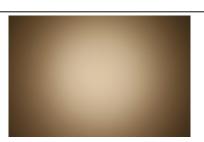
CITIZEN

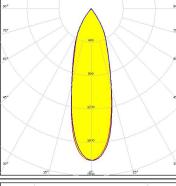
LED CLU720/721

FWHM 31.0°
Efficiency 76 %
Peak intensity 1.800 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 433 Typ L1





CITIZEN

LED CLU720/721

FWHM 29.0°
Efficiency 80 %
Peak intensity 2.000 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1





PHOTOMETRIC DATA (MEASURED):

CREE 🕏

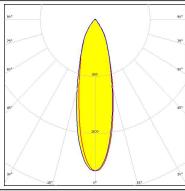
LED CXA/B 13xx

FWHM 26.0°
Efficiency 80 %
Peak intensity 2.400 cd/lm
Required components:

C13761_PF-SOCKET-CXA15

C12479_MIRELLA-DL





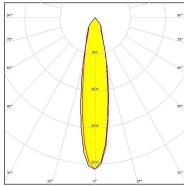
CREE \$

LED CXA/B 13xx

FWHM 20.0°
Efficiency 85 %
Peak intensity 3.700 cd/lm
Required components:

C13761_PF-SOCKET-CXA15





CREE ÷

LED CXA/B 13xx

FWHM 23.0°
Efficiency 81 %
Peak intensity 2.900 cd/lm
Required components:

C13761_PF-SOCKET-CXA15

C13333_MIRELLA-CL



CREE \$

LED CXA/B 15xx

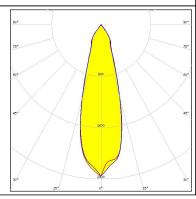
FWHM 30.0° Efficiency 83 % Peak intensity 2.400 cd/lm

C13761_PF-SOCKET-CXA15

C13333_MIRELLA-CL

Required components:







PHOTOMETRIC DATA (MEASURED):

CREE 🚓

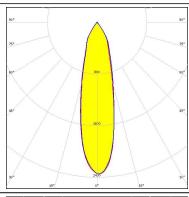
LED CXA/B 15xx

FWHM 26.0°
Efficiency 78 %
Peak intensity 2.300 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 441 Typ L1





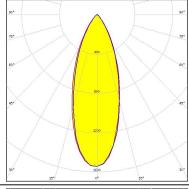
CREE 🕏

LED CXA/B 15xx

FWHM 38.0°
Efficiency 81 %
Peak intensity 1.500 cd/lm
Required components:

C13761_PF-SOCKET-CXA15 C13723_MIRELLA-RZL





CREE 🕏

LED CXA/B 15xx

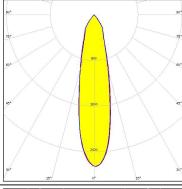
FWHM 24.0°
Efficiency 83 %
Peak intensity 2.660 cd/lm
Required components:

rrequired components.

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 441 Typ L1





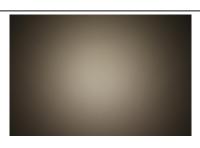
CREE 🕏

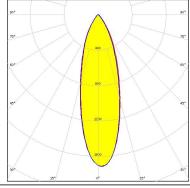
LED CXA/B 15xx

FWHM 31.0°
Efficiency 75 %
Peak intensity 1.700 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 441 Typ L1







PHOTOMETRIC DATA (MEASURED):

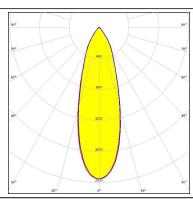
CREE \$

LED CXA/B 15xx

FWHM 32.0°
Efficiency 86 %
Peak intensity 2.000 cd/lm
Required components:

C13761_PF-SOCKET-CXA15

C12479_MIRELLA-DL

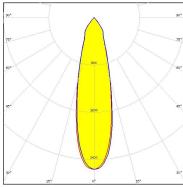


CREE &

LED CXA/B 15xx

FWHM 27.0°
Efficiency 91 %
Peak intensity 2.600 cd/lm
Required components:

C13761_PF-SOCKET-CXA15



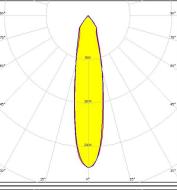
CREE \$

LED MHD-E/G

FWHM 23.0° Efficiency 91 % Peak intensity 2.800 cd/lm

Required components: C13083_PF-SOCKET





CREE 🕏

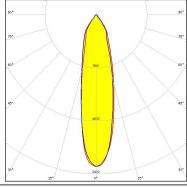
LED MHD-E/G

FWHM 25.0° Efficiency 85 %

Peak intensity 2.300 cd/lm

Required components: C13083_PF-SOCKET C13333_MIRELLA-CL







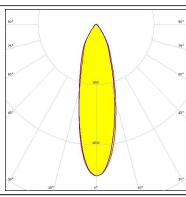
PHOTOMETRIC DATA (MEASURED):

CREE 🚓

LED MHD-E/G **FWHM** 29.0° Efficiency 86 % Peak intensity 2.000 cd/lm

Required components: C13083_PF-SOCKET C12479_MIRELLA-DL





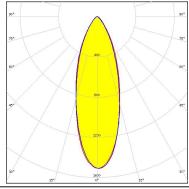
CREE ÷

LED MHD-E/G **FWHM** $35.0 + 53.0^{\circ}$

83 % Efficiency Peak intensity 1.500 cd/lm Required components: C13083_PF-SOCKET

C13723_MIRELLA-RZL



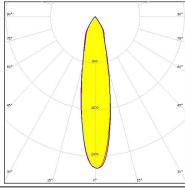


CREE +

LED MK-R **FWHM** 23.0° Efficiency 80 % Peak intensity 2.600 cd/lm

Required components: C13083_PF-SOCKET C12479_MIRELLA-DL





CREE ÷

LED MT-G **FWHM** 34.0° 86 % Efficiency Peak intensity 2.000 cd/lm

Required components: C13083_PF-SOCKET C13333_MIRELLA-CL





PHOTOMETRIC DATA (MEASURED):

CREE 🚓

LED MT-G FWHM 36.0° Efficiency 87 %

Peak intensity 1.900 cd/lm

Required components: C13083_PF-SOCKET C12479_MIRELLA-DL



CREE &

LED MT-G
FWHM 28.0°
Efficiency 91 %
Peak intensity 2.600 cd/lm
Required components:

C13083_PF-SOCKET



CREE 🕏

LED MT-G2
FWHM 25.0°
Efficiency 90 %
Peak intensity 2.600 cd/lm

C13083_PF-SOCKET

Required components:



CREE 🕏

LED MT-G2
FWHM 30.0°
Efficiency 87 %
Peak intensity 2.100 cd/lm

Required components: C13083_PF-SOCKET C13333_MIRELLA-CL





PHOTOMETRIC DATA (MEASURED):

CREE 🚓

LED MT-G2 FWHM 32.0° Efficiency 86 %

Required components: C13083_PF-SOCKET C12479_MIRELLA-DL

Peak intensity 2.000 cd/lm

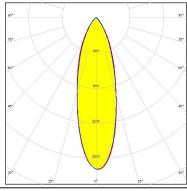


CREE &

LED XHP50
FWHM 31.0°
Efficiency 81 %
Peak intensity 1.700 cd/lm

Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL



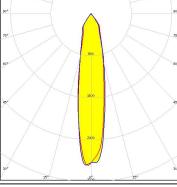


CREE \$

LED XHP50
FWHM 21.0°
Efficiency 83 %
Peak intensity 2.900 cd/lm

Required components: C13083_PF-SOCKET C13333_MIRELLA-CL



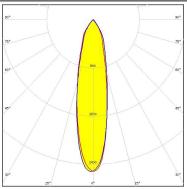


CREE 🕏

LED XHP50
FWHM 24.0°
Efficiency 84 %
Peak intensity 2.500 cd/lm

Required components: C13083_PF-SOCKET C12479_MIRELLA-DL







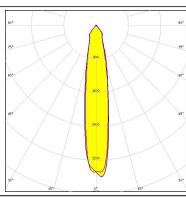
PHOTOMETRIC DATA (MEASURED):

CREE \$

LED XHP50 FWHM 18.0° Efficiency 88 %

Peak intensity 3.600 cd/lm Required components: C13083_PF-SOCKET



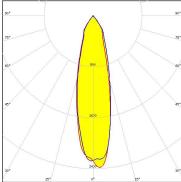


CREE 🚓

LED XHP70
FWHM 27.0°
Efficiency 82 %
Peak intensity 2.400 cd/lm

Required components: C13083_PF-SOCKET C13333_MIRELLA-CL



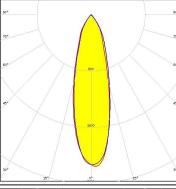


CREE 🕏

LED XHP70
FWHM 28.0°
Efficiency 82 %
Peak intensity 2.200 cd/lm

Required components: C13083_PF-SOCKET C12479_MIRELLA-DL



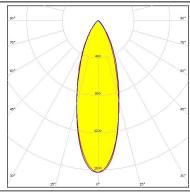


CREE 🕏

LED XHP70
FWHM 33.0°
Efficiency 80 %
Peak intensity 1.600 cd/lm

Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL







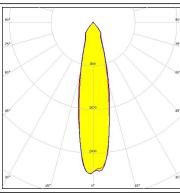
PHOTOMETRIC DATA (MEASURED):

CREE 🚓

LED XHP70 **FWHM** 24.0° Efficiency 87 % Peak intensity 2.800 cd/lm

Required components: C13083_PF-SOCKET



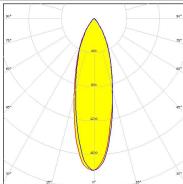


CREE ÷

LED XM-L RGB **FWHM** 31.0° 79 % Efficiency Peak intensity 1.800 cd/lm

Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL





CREE ÷

LED **XQ-E HI RGBW**

FWHM 30.0° 87 % Efficiency Peak intensity 2.000 cd/lm Required components: C13083_PF-SOCKET

C13723_MIRELLA-RZL



LG Innotek

LED COB 4W **FWHM** 29.0° 85 % Efficiency Peak intensity 2.400 cd/lm

Required components: C13083_PF-SOCKET C12479_MIRELLA-DL





PHOTOMETRIC DATA (MEASURED):



LED COB 4W
FWHM 23.0°
Efficiency 90 %
Peak intensity 3.600 cd/lm
Required components:

C13083_PF-SOCKET



LG Innotek

LED COB 4W
FWHM 23.0°
Efficiency 85 %
Peak intensity 2.800 cd/lm
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL

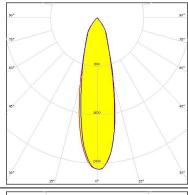


MILEDS

LED LUXEON CoB 1202/1203

FWHM 27.0°
Efficiency 87 %
Peak intensity 2.500 cd/lm
Required components:
C14037_PF-NSX-SOCKET





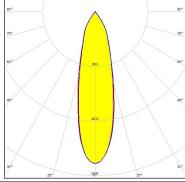
DESCRIPTION LUMILEDS

LED LUXEON CoB 1202/1203

FWHM 28.0°
Efficiency 81 %
Peak intensity 2.200 cd/lm
Required components:
C13333_MIRELLA-CL

IDEAL: 50-2100NC +50-2100MR







PHOTOMETRIC DATA (MEASURED):

MUMILEDS

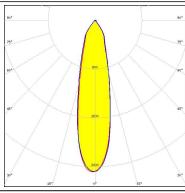
LED LUXEON CoB 1202/1203

FWHM 25.0°
Efficiency 82 %
Peak intensity 2.500 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 438 Typ L1





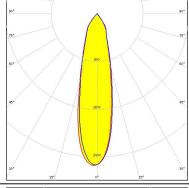
MATERIAL PROPERTY OF THE PROP

LED LUXEON CoB 1202/1203

FWHM 25.0°
Efficiency 86 %
Peak intensity 2.500 cd/lm
Required components:

IDEAL: 50-2100NC +50-2100MR





MUMILEDS

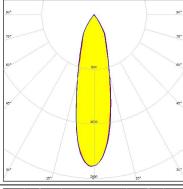
LED LUXEON CoB 1202/1203

FWHM 27.0°
Efficiency 77 %
Peak intensity 2.200 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 438 Typ L1





DESCRIPTION

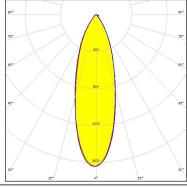
LED LUXEON CoB 1202/1203

FWHM 32.0°
Efficiency 75 %
Peak intensity 1.600 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 438 Typ L1







PHOTOMETRIC DATA (MEASURED):

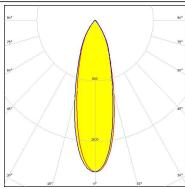
LUMILEDS

LED LUXEON CoB 1202/1203

FWHM 30.0°
Efficiency 82 %
Peak intensity 2.000 cd/lm
Required components:
C12479_MIRELLA-DL

IDEAL: 50-2100NC +50-2100MR





M LUMILEDS

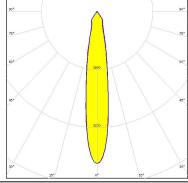
LED LUXEON CoB 1202s

FWHM 17.0°
Efficiency 86 %
Peak intensity 4.200 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 452 Typ L1





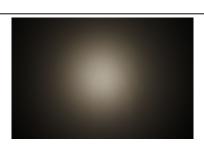
MILEDS

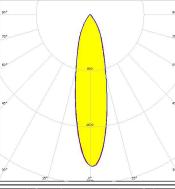
LED LUXEON CoB 1202s

FWHM 25.0°
Efficiency 79 %
Peak intensity 2.200 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 452 Typ L1





DESCRIPTION LUMILEDS

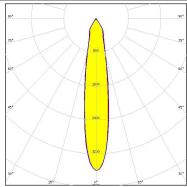
LED LUXEON CoB 1202s

FWHM 19.0°
Efficiency 81 %
Peak intensity 3.600 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 452 Typ L1







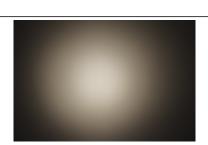
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON CoB 1202s

FWHM 20.0° Efficiency 88 % Peak intensity 3.600 cd/lm Required components:

C13761_PF-SOCKET-CXA15



M LUMILEDS

LED LUXEON CoB 1202s

FWHM 23.0° 83 % Efficiency Peak intensity 2.800 cd/lm Required components:

C13761_PF-SOCKET-CXA15 C13333_MIRELLA-CL



M LUMILEDS

LED LUXEON CoB 1202s

FWHM 26.0° Efficiency 83 % Peak intensity 2.500 cd/lm Required components:

C13761_PF-SOCKET-CXA15

C12479_MIRELLA-DL

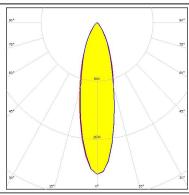


M LUMILEDS

LED **LUXEON Z RGB**

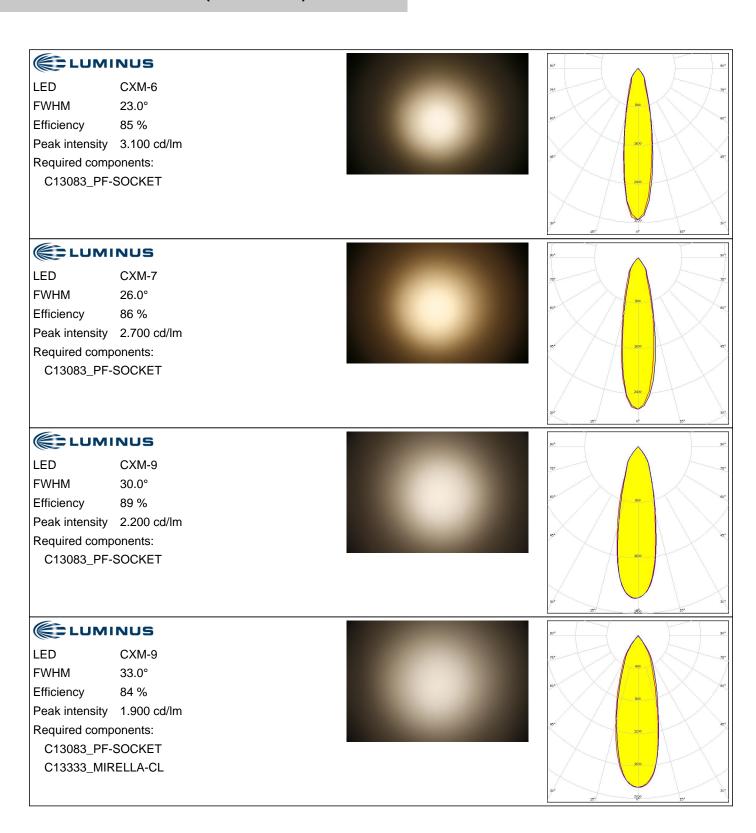
FWHM 28.0° 79 % Efficiency Peak intensity 2.100 cd/lm Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL







PHOTOMETRIC DATA (MEASURED):





PHOTOMETRIC DATA (MEASURED):

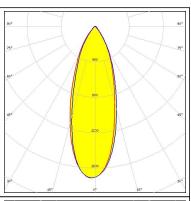
LUMINUS

LED CXM-9
FWHM 35.0°
Efficiency 84 %
Peak intensity 1.700 cd/lm

Required components:

C13083_PF-SOCKET C12479_MIRELLA-DL





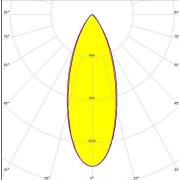
ELUMINUS

LED CXM-9
FWHM 38.0°
Efficiency 82 %
Peak intensity 1.400 cd/lm

Required components: C13083_PF-SOCKET

C13723_MIRELLA-RZL

•



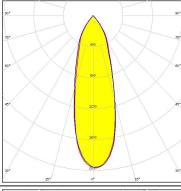
WNICHIA

LED COB L-Type (LES 11)

FWHM 31.0°
Efficiency 86 %
Peak intensity 2.000 cd/lm
Required components:

IDEAL: 50-2100NC +50-2100MR





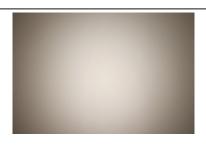
WNICHIA

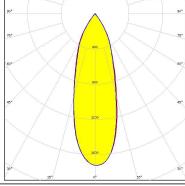
LED COB L-Type (LES 11)

FWHM 33.0°
Efficiency 77 %
Peak intensity 1.700 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 438 Typ L1





PHOTOMETRIC DATA (MEASURED):

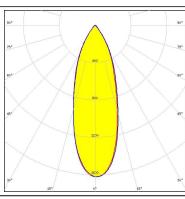
WNICHIA

LED COB L-Type (LES 11)

FWHM 35.0°
Efficiency 80 %
Peak intensity 1.600 cd/lm
Required components:
C12479_MIRELLA-DL

IDEAL: 50-2100NC +50-2100MR





WNICHIA

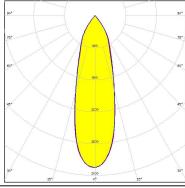
LED COB L-Type (LES 11)

FWHM 31.0°
Efficiency 81 %
Peak intensity 1.900 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 438 Typ L1

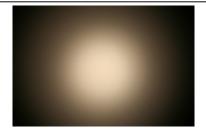


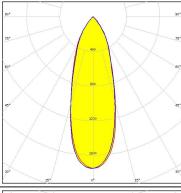


WNICHIA

LED COB L-Type (LES 11)

FWHM 35.0°
Efficiency 84 %
Peak intensity 1.750 cd/lm
Required components:
C14037_PF-NSX-SOCKET





WNICHIA

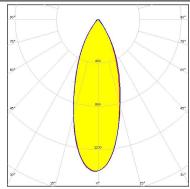
LED COB L-Type (LES 11)

FWHM 37.0°
Efficiency 76 %
Peak intensity 1.400 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 438 Typ L1







PHOTOMETRIC DATA (MEASURED):

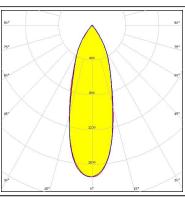
WNICHIA

LED COB L-Type (LES 11)

FWHM 34.0°
Efficiency 81 %
Peak intensity 1.700 cd/lm
Required components:
C13333_MIRELLA-CL

IDEAL: 50-2100NC +50-2100MR





WNICHIA

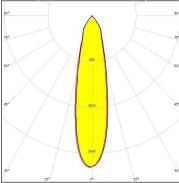
LED COB L-Type (LES 9)

FWHM 24.0°
Efficiency 84 %
Peak intensity 2.600 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 438 Typ L1





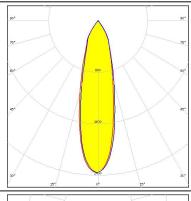
WNICHIA

LED COB L-Type (LES 9)

FWHM 27.0°
Efficiency 82 %
Peak intensity 2.400 cd/lm
Required components:
C13333_MIRELLA-CL

IDEAL: 50-2100NC +50-2100MR





WNICHIA

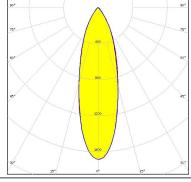
LED COB L-Type (LES 9)

FWHM 31.0°
Efficiency 76 %
Peak intensity 1.700 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 438 Typ L1







PHOTOMETRIC DATA (MEASURED):

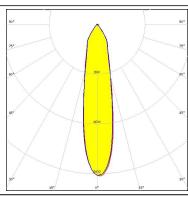
WNICHIA

LED COB L-Type (LES 9)

FWHM 23.0°
Efficiency 76 %
Peak intensity 2.400 cd/lm
Required components:

IDEAL: 50-2100NC +50-2100MR



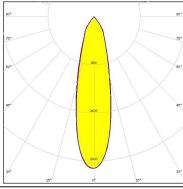


WNICHIA

LED COB L-Type (LES 9)

FWHM 27.0°
Efficiency 86 %
Peak intensity 2.520 cd/lm
Required components:
C14037_PF-NSX-SOCKET





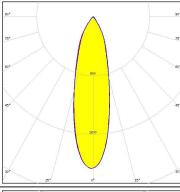
WNICHIA

LED COB L-Type (LES 9)

FWHM 28.0°
Efficiency 80 %
Peak intensity 2.100 cd/lm
Required components:
C12479_MIRELLA-DL

IDEAL: 50-2100NC +50-2100MR





WNICHIA

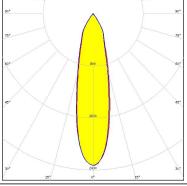
LED COB L-Type (LES 9)

FWHM 25.0°
Efficiency 78 %
Peak intensity 2.300 cd/lm
Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 438 Typ L1







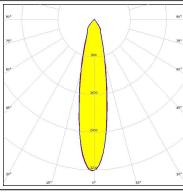
PHOTOMETRIC DATA (MEASURED):

WNICHIA

LED NSCxL036A

FWHM 22.0° Efficiency 85 % Peak intensity 3.220 cd/lm Required components: C14037_PF-NSX-SOCKET





OSRAM Opto Semiconductore

LED Duris S10 **FWHM** 21.0°

87 % Efficiency

Peak intensity 3.400 cd/lm Required components:

C13083_PF-SOCKET



OSRAM Opto Semicondi

LED Duris S10 **FWHM** 25.0° Efficiency 82 %

Peak intensity 2.800 cd/lm

Required components: C13083_PF-SOCKET C13333_MIRELLA-CL



OSRAM Opto Semiconductors

LED Duris S10 **FWHM** 31.0° 80 % Efficiency Peak intensity 1.900 cd/lm

Required components: C13083_PF-SOCKET C12479_MIRELLA-DL





PHOTOMETRIC DATA (MEASURED):

OSRAM

LED Duris S10
FWHM 33.0°
Efficiency 81 %
Peak intensity 1.800 cd/lm

Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL



OSRAM Opto Semiconductors

LED OSTAR Stage (S2WP)

FWHM 27.0°
Efficiency 83 %
Peak intensity 2.230 cd/lm
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL

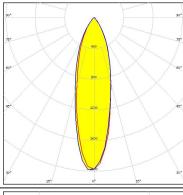


OSRAM Opto Semicondi

LED Ostar-SMT RGB

FWHM 29.0°
Efficiency 80 %
Peak intensity 2.000 cd/lm
Required components:
C13083_PF-SOCKET
C13723_MIRELLA-RZL



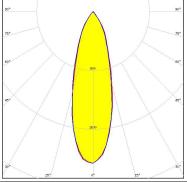


SEOUL SEMICONDUCTOR

LED ZC4/6
FWHM 32.0°
Efficiency 83 %
Peak intensity 2.100 cd/lm

Required components: C13083_PF-SOCKET C12479_MIRELLA-DL







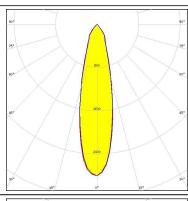
PHOTOMETRIC DATA (MEASURED):



LED ZC4/6 **FWHM** 26.0° 87 % Efficiency Peak intensity 2.800 cd/lm

Required components: C13083_PF-SOCKET



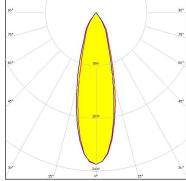


SEOUL SEOUL SEMICONDUCTOR

LED ZC4/6 **FWHM** 31.0° 82 % Efficiency Peak intensity 2.300 cd/lm

Required components: C13083_PF-SOCKET C13333_MIRELLA-CL



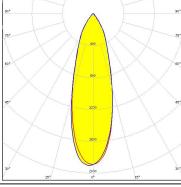


HARP

LED Mini Zenigata (GW6BM)

FWHM 30.0° Efficiency 83 % Peak intensity 1.900 cd/lm Required components: C13083_PF-SOCKET





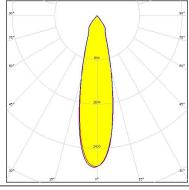
HARP

C12479_MIRELLA-DL

LED Mini Zenigata (GW6BM)

FWHM 25.0° 90 % Efficiency Peak intensity 2.700 cd/lm Required components: C13083_PF-SOCKET







PHOTOMETRIC DATA (MEASURED):

SHARP

LED Mini Zenigata (GW6BM)

FWHM 28.0°
Efficiency 83 %
Peak intensity 2.400 cd/lm
Required components:
C13083_PF-SOCKET
C13333_MIRELLA-CL

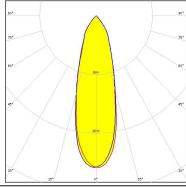


TRIDONIC

LED SLE G5 LES11

FWHM 31.0°
Efficiency 88 %
Peak intensity 2.100 cd/lm
Required components:
C13083_PF-SOCKET



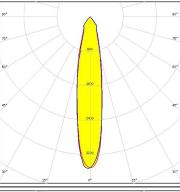


TRIDONIC

LED SLE G5 LES6

FWHM 20.0°
Efficiency 89 %
Peak intensity 3.520 cd/lm
Required components:
C13083_PF-SOCKET





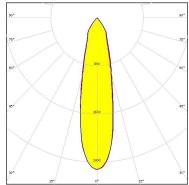
XICATO

LED XTM - 9mm LES

FWHM 25.0°
Efficiency 82 %
Peak intensity 2.500 cd/lm
Required components:

C14636_XTM-PF-ADAPTER







PHOTOMETRIC DATA (SIMULATED):

MILEDS

LED LUXEON CoB Compact

FWHM 17.0°
Efficiency 86 %
Peak intensity 4.200 cd/lm

Required components: C13709_PF-SOCKET-VERO13-18

Bender Wirth: 452 Typ L1

MUMILEDS

LED LUXEON CoB Compact

FWHM 26.0°
Efficiency 83 %
Peak intensity 1.100 cd/lm

Required components:

C13761_PF-SOCKET-CXA15

C12479_MIRELLA-DL

UMILEDS

LED LUXEON CoB Compact

FWHM 20.0°
Efficiency 88 %
Peak intensity 3.600 cd/lm

Required components:

C13761_PF-SOCKET-CXA15

DESCRIPTION LUMILEDS

LED LUXEON CoB Compact

FWHM 25.0°
Efficiency 79 %
Peak intensity 2.200 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 452 Typ L1

PHOTOMETRIC DATA (SIMULATED):

UMILEDS

LED LUXEON CoB Compact

FWHM 23.0° Efficiency 83 % Peak intensity 2.800 cd/lm

Required components:

C13761_PF-SOCKET-CXA15

C13333_MIRELLA-CL

MILEDS

LED LUXEON CoB Compact

FWHM 19.0°
Efficiency 81 %
Peak intensity 3.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 452 Typ L1

MUMILEDS

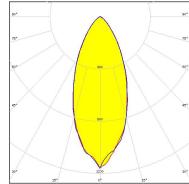
LED LUXEON K4

FWHM 44.0° Efficiency 83 % Peak intensity 1.100 cd/lm

Required components:

C13761_PF-SOCKET-CXA15

C12479_MIRELLA-DL



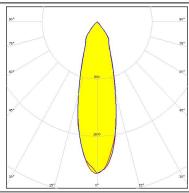
DESCRIPTION LUMILEDS

LED LUXEON K4

FWHM 30.0°
Efficiency 88 %
Peak intensity 2.100 cd/lm

Required components:

C13761_PF-SOCKET-CXA15





PHOTOMETRIC DATA (SIMULATED):

ELUMINUS

LED CXM-14
FWHM 42.0°
Efficiency 70 %
Peak intensity 1.200 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 433 Typ L1

ELUMINUS

LED CXM-14
FWHM 41.0°
Efficiency 71 %
Peak intensity 1.200 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 433 Typ L1

ELUMINUS

LED CXM-14
FWHM 38.0°
Efficiency 75 %
Peak intensity 1.400 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

LUMINUS

LED CXM-9
FWHM 26.0°
Efficiency 84 %
Peak intensity 2.500 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (SIMULATED):

ELUMINUS

LED CXM-9 33.0° **FWHM** Efficiency 76 % Peak intensity 1.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 434 Typ L1

ELUMINUS

LED CXM-9 **FWHM** 28.0° 79 % Efficiency Peak intensity 2.100 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 434 Typ L1

WNICHIA

LED COB S-Type (LES 7)

FWHM 25.0° Efficiency 79 % Peak intensity 2.200 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 452 Typ L1

WNICHIA

LED COB S-Type (LES 7)

FWHM 19.0° 81 % Efficiency Peak intensity 3.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 452 Typ L1

PHOTOMETRIC DATA (SIMULATED):

WNICHIA

LED COB S-Type (LES 7)

FWHM 17.0° Efficiency 86 % Peak intensity 4.200 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 452 Typ L1

OSRAM Opto Semiconductors

LED Soleriq S15 **FWHM** 38.0° 85 % Efficiency Peak intensity 1.560 cd/lm

Required components:

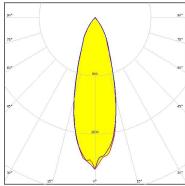
C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1

OSRAM Opto Semisor

LED Soleriq S9 **FWHM** 32.0° Efficiency 85 % Peak intensity 2.100 cd/lm

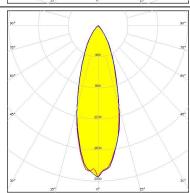
Required components: C13083_PF-SOCKET C12479_MIRELLA-DL



OSRAM Opto Semiconductors

LED Soleriq S9 **FWHM** 32.0° 86 % Efficiency Peak intensity 2.000 cd/lm

Required components: C13083_PF-SOCKET C13723_MIRELLA-RZL





PHOTOMETRIC DATA (SIMULATED):

OSRAM

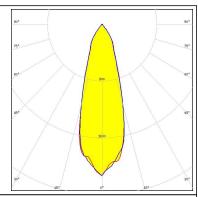
LED Soleriq S9 **FWHM** 32.0°

Efficiency 85 %

Peak intensity 2.200 cd/lm

Required components:

C13083_PF-SOCKET C13333_MIRELLA-CL



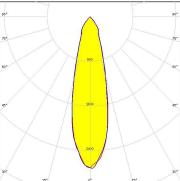
OSRAM Opto Semiconductors

LED Soleriq S9

FWHM 27.0° 91 % Efficiency

2.700 cd/lm Peak intensity

Required components: C13083_PF-SOCKET



OSRAM Onto Samiconductors

LED Soleriq S9 23.0°

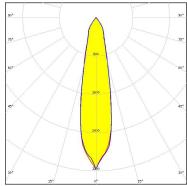
FWHM Efficiency 88 %

Peak intensity 3.200 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



SAMSUNG

LED LC010C

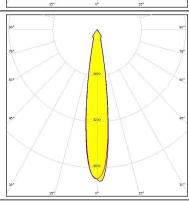
FWHM 17.0° 87 % Efficiency

Peak intensity 5.300 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 479 Typ L1





PHOTOMETRIC DATA (SIMULATED):

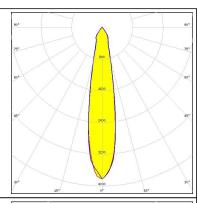
SAMSUNG

LED LC020C **FWHM** 20.0° Efficiency 86 % Peak intensity 3.900 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 479 Typ L1



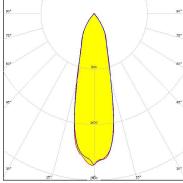
SAMSUNG

LED LC040C **FWHM** 28.0° 84 % Efficiency Peak intensity 2.200 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 480 Typ L1



SEOUL

LED ZC4/6 **FWHM** 33.0° Efficiency 76 % Peak intensity 1.600 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C12479_MIRELLA-DL Bender Wirth: 434 Typ L1



ZC4/6 **LED FWHM** 28.0° 79 % Efficiency Peak intensity 2.100 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

C13333_MIRELLA-CL Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTO

LED ZC4/6
FWHM 26.0°
Efficiency 84 %
Peak intensity 2.500 cd/lm

Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



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.

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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

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Local sales and technical support

www.ledil.com/ where_to_buy

Shipping locations

Salo, Finland Hong Kong, China

Distribution Partners

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