mail

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



MIRELLA-50-M

~30° medium beam

TECHNICAL SPECIFICATIONS:

| Dimensions | Ø 49.9 mm |
|-----------------|--------------------|
| Height | 23.9 mm |
| Fastening | glue |
| Colour | metal |
| Box size | 480 x 280 x 300 mm |
| Box weight | 2.8 kg |
| Quantity in Box | 336 pcs |
| ROHS compliant | yes 🛈 |
| | |



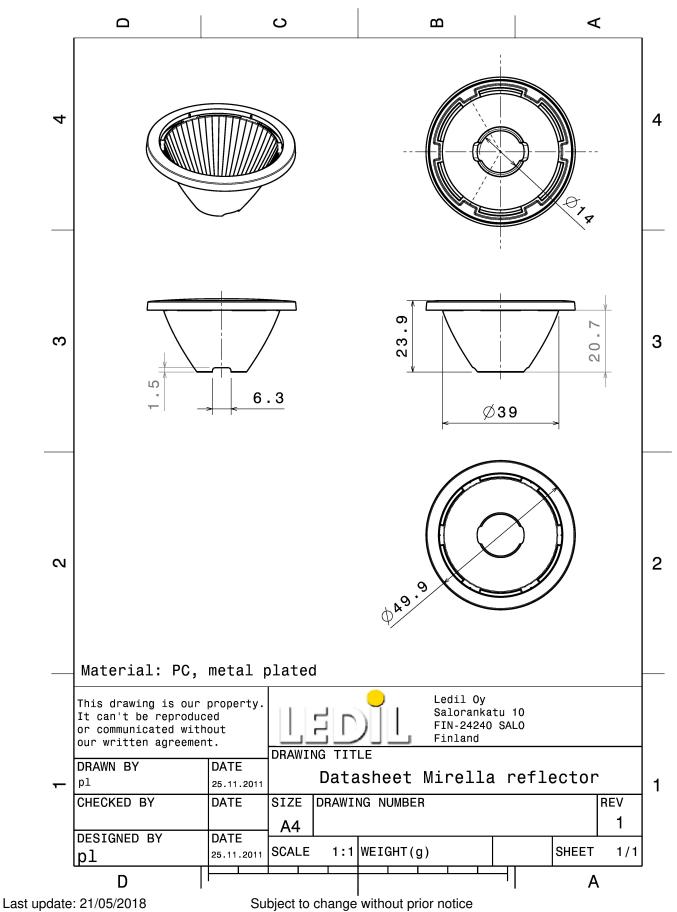
PRODUCT DATASHEET C12477_MIRELLA-50-M

MATERIAL SPECIFICATIONS:

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



PRODUCT DATASHEET C12477_MIRELLA-50-M



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



| bridgelux. | | 90 ⁺ 90 ⁺ |
|----------------|-------------|---------------------------------|
| LED | BXRA LS | 75 |
| FWHM | 27.0° | |
| Efficiency | 89 % | 60° |
| Peak intensity | | |
| Required comp | onents: | |
| | | |
| | | |
| | | 30° 15° 0° 15° |
| bridgelux. | | 90 ⁴ |
| LED | BXRA LS | 75' |
| FWHM | 35.0° | 400 |
| Efficiency | 83 % | 60* 60* |
| Peak intensity | 1.600 cd/lm | |
| Required comp | | ar |
| C12479_MIF | ELLA-DL | - 1220 |
| | | |
| | | 36° 35° 0° 35° |
| bridgelux. | | |
| LED | BXRA LS | |
| FWHM | 27.0° | |
| Efficiency | 84 % | |
| Peak intensity | 2.400 cd/lm | |
| Required comp | onents: | |
| C13333_MIF | ELLA-CL | |
| | | |
| | | |
| CITIZE | Ν | 50° 50° |
| LED | CLL01x | 75' |
| FWHM | 29.0° | |
| Efficiency | % | 60 ² |
| Peak intensity | | 1600 |
| Required comp | onents: | |
| | | 200 |
| | | |
| | | 36* 36* 36* |
| L | | |

PRODUCT DATASHEET



| CITIZE | N | |
|----------------|-----------------------|--|
| LED | CLL01x | |
| FWHM | 35.0° | |
| Efficiency | 83 % | |
| Peak intensity | 1.700 cd/lm | |
| Required com | ponents: | |
| C13333_MIF | RELLA-CL | |
| | | |
| CITIZE | N | |
| LED | CLL01x | |
| FWHM | 39.0° | |
| Efficiency | % | |
| Peak intensity | cd/lm | |
| Required comp | ponents: | |
| C12479_MIF | RELLA-DL | |
| | | - |
| | | |
| CITIZE | N | 90° 90° |
| LED | CLL02x/CLU02x (LES10) | |
| FWHM | 30.0° | |
| Efficiency | 88 % | 60° - 60° |
| Peak intensity | | |
| Required com | | ge; |
| | | |
| | | |
| | | 300 200 300 |
| OTTITT | INT. | 15 ⁹ 0 ⁶ 15 ⁹ |
| CITIZE | | 90* 90* |
| LED | CLL02x/CLU02x (LES10) | 75 |
| FWHM | 35.0° | 400 |
| Efficiency | 82 % | |
| Peak intensity | | |
| Required comp | | 43* (a) |
| C12479_MIF | RELLA-DL | |
| | | |
| | | 30° 30 |
| | | |

PRODUCT DATASHEET



CITIZEN

 LED
 CLL02x/CLU02x (LES10)

 FWHM
 30.0°

 Efficiency
 84 %

 Peak intensity
 2.200 cd/lm

 Required computer
 c13333_MIRELLA-CL



CITIZEN

LED CLL02x/CLU02x (LES10) FWHM 37.0° Efficiency 82 % Peak intensity 1.550 cd/lm Required compenses C13723_MIRELLA-RZL

CITIZEN

- LED CLU700/701 FWHM 22.0° Efficiency 90 % Peak intensity 3.500 cd/lm Required components:
- CITIZEN

LEDCLU700/701FWHM29.0°Efficiency84 %Peak intensity2.200 cd/lmRequired components:

C12479_MIRELLA-DL





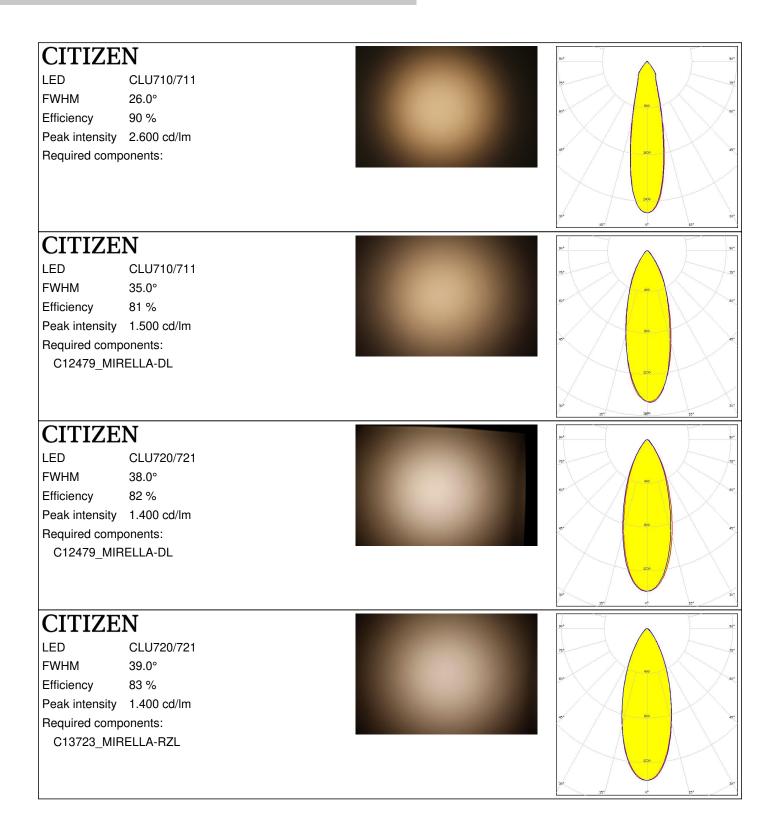
PRODUCT DATASHEET



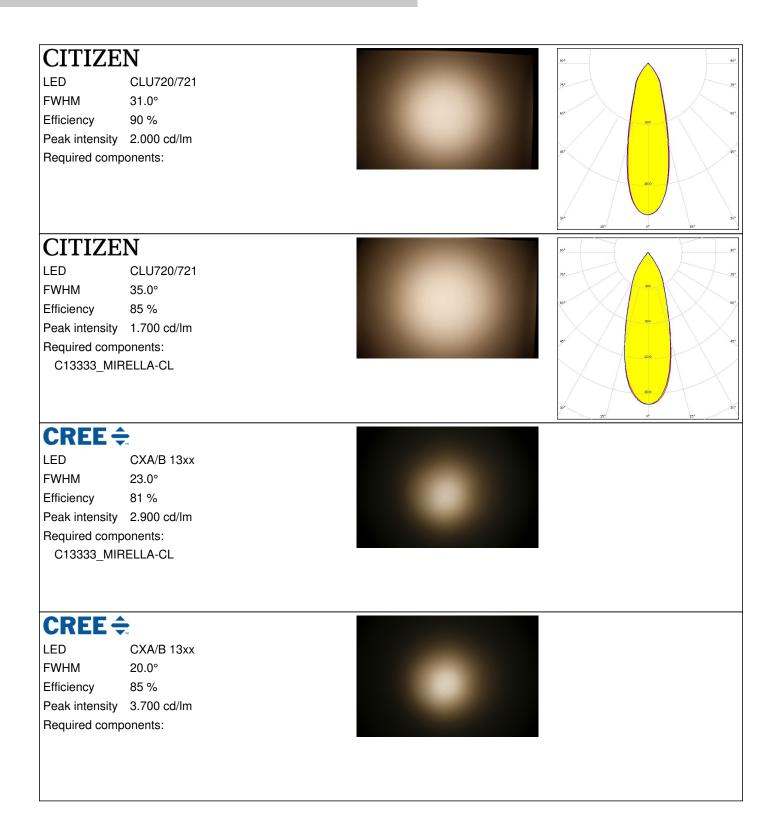
| OTTICT | N T | | |
|--|--|-----------------------------|---|
| CITIZE LED FWHM Efficiency Peak intensity Required comp C13723_MIF | CLU700/701 33.0° 82 % 1.700 cd/lm ponents: | | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 |
| CITIZE LED FWHM | N CLU700/701 24.0° | 94 ⁴ 79 00 | 59* |
| Efficiency Peak intensity Required comp C13333_MIF | oonents: | | 90°. |
| CITIZE LED FWHM Efficiency Peak intensity Required comp C13723_MIF | CLU710/711 38.0° 83 % 1.400 cd/Im ponents: | | |
| CITIZE LED FWHM Efficiency Peak intensity Required comp C13333_MIF | CLU710/711 30.0° 85 % 2.100 cd/Im ponents: | | 37" 59" 72" 60" 57" |

PRODUCT DATASHEET









PRODUCT DATASHEET



| CREE - | | | |
|-------------------|-------------|--|----------------------------|
| LED | CXA/B 13xx | | |
| FWHM | 26.0° | | |
| Efficiency | 80 % | | |
| Peak intensity | | | |
| Required comp | | | |
| C12479_MIF | | | |
| | | | |
| CREE - | TM | | 89 ¹ |
| LED | CXA/B 15xx | | 3 |
| FWHM | 34.0° | | |
| Efficiency | 89 % | | 60* |
| Peak intensity | | | |
| Required comp | | | 4 ⁵⁷ |
| C12479_MIF | RELLA-DL | | 1600 |
| | | | $\times / \times / \times$ |
| | | | 30° 222, 06 322, 30 |
| CREE - | ты | | |
| LED | CXA/B 15xx | | |
| FWHM | 30.0° | | |
| Efficiency | 83 % | | |
| Peak intensity | 2.400 cd/lm | | |
| Required comp | oonents: | | |
| C13333_MIF | RELLA-CL | | |
| | | | |
| CREE (| ТМ | | 20 ⁴ |
| LED | CXA/B 15xx | | 75 |
| FWHM | 28.0° | | |
| Efficiency | 92 % | | 60° |
| Peak intensity | | | |
| Required comp | ponents: | | 65* et 1600 |
| | | | |
| | | | 000 |
| | | | 30° 30° 35° |
| | | | |



CREE ≑

LEDCXA/B 1816 & CXA/B 1820 & CXA 1850FWHM34.0°Efficiency88 %Peak intensity2.000 cd/lmRequired components:



CREE ≑

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

 FWHM
 39.0°

 Efficiency
 83 %

 Peak intensity
 1.600 cd/lm

 Required components:
 C12479_MIRELLA-DL



CREE ≑

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

 FWHM
 37.0°

 Efficiency
 82 %

 Peak intensity
 1.800 cd/lm

 Required components:
 C13333_MIRELLA-CL



CREE LED MHD-E/G FWHM 37.0° Efficiency 88 % Peak intensity 1.500 cd/lm Required components: C12479_MIRELLA-DL

PRODUCT DATASHEET



| [| | | | | | |
|--|---|--|---|--|--------------------------------|------|
| CREE C LED FWHM Efficiency Peak intensity Required com C13333_MI | MHD-E/G 35.0° 88 % 1.700 cd/lm ponents: | | | 90 73 60 60 60 60 60 60 60 60 60 60 60 60 60 | | |
| CREE - | | | _ | 90 | 15 ³ 0 ⁶ | 12.0 |
| LED FWHM Efficiency Peak intensity Required com | MHD-E/G 30.0° 93 % 2.100 cd/lm | | | 9 73 9 | | |
| CREE - | | | | 20 | · | 3 |
| LED FWHM | MT-G 31.0° | | | 75 | - | |
| Efficiency | 91 % | | | 60 | · / ··· | |
| Peak intensity Required com | 2.122 cd/lm ponents: | | | 8 | | |
| CREE { | | | - | | | |
| LED | MT-G2 | | | | | |
| FWHM | 35.0° | | | | | |
| Efficiency Peak intensity | 85 % 1 800 cd/lm | | | | | |
| Required com | | | | | | |
| C13333_MI | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

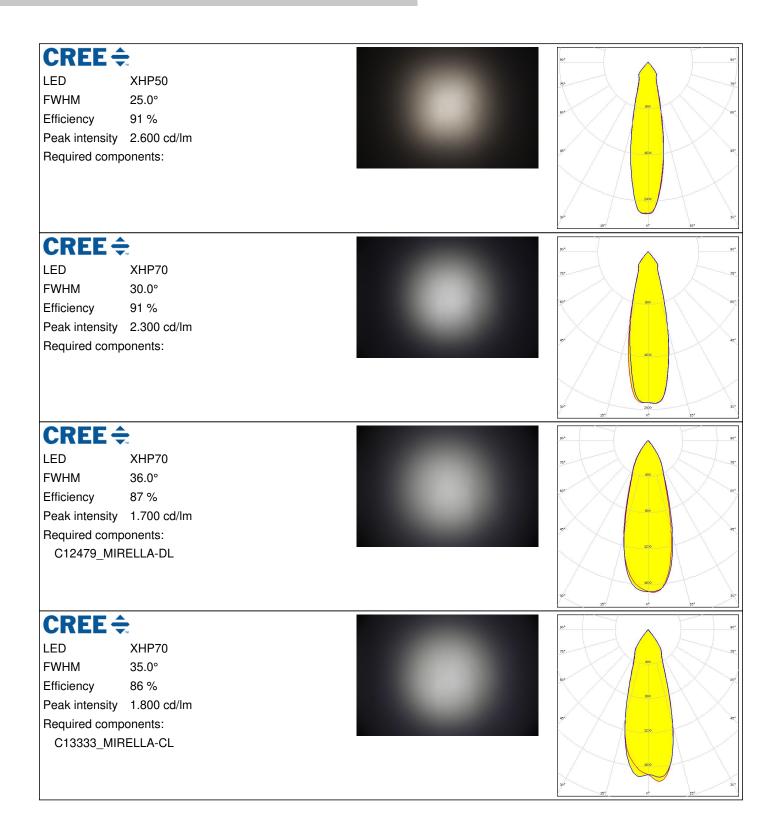
PRODUCT DATASHEET



| CREE C LED FWHM Efficiency Peak intensity Required comp C12479_MIF | MT-G2 38.0° 83 % 1.700 cd/lm onents: | |
|--|--|--|
| CREE C LED FWHM Efficiency Peak intensity Required comp | MT-G2 30.0° 90 % 2.300 cd/lm | 94 99 72 99 64 90 64 90 67 99 60 66 70 70 70 70 70 70 70 70 70 70 70 70 70 |
| CREE LED FWHM Efficiency Peak intensity Required comp C12479_MIF | XHP50 33.0° 86 % 1.800 cd/lm onents: | |
| CREE C LED FWHM Efficiency Peak intensity Required comp C13333_MIF | XHP50 31.0° 86 % 2.000 cd/lm onents: | |

PRODUCT DATASHEET







| 🕒 LG Innot | ek | |
|---|--------------------------------------|--------------------|
| LED | COB 4W | |
| FWHM | 27.0° | |
| Efficiency | 84 % | |
| Peak intensity | 2.600 cd/lm | |
| Required comp | | |
| C13333_MIR | ELLA-CL | |
| | | |
| 🕕 LG Innot | ek | |
| LED | COB 4W | |
| FWHM | 23.0° | |
| Efficiency | 90 % | |
| Peak intensity | 3.600 cd/lm | |
| Required comp | onents: | |
| () LG Innot LED FWHM Efficiency | ek COB 4W 29.0° 85 % | |
| Peak intensity | 2.400 cd/lm | |
| Required comp | onents: | |
| C12479_MIR | ELLA-DL | |
| | EDS | 90 ⁴ 90 |
| LED | LUXEON CoB 1202/1203 | 75* |
| FWHM | 29.0° | |
| Efficiency | 89 % | ès ^e es |
| Peak intensity | 2.400 cd/lm | |
| Required comp | onents: | |



| | EDS | 90 ⁺ |
|--|--|---|
| LED FWHM Efficiency Peak intensity Required comp C12479_MIF | LUXEON CoB 1202/1203 35.0° 85 % 1.900 cd/lm ponents: | 27 00 0 27 00 0 27 00 0 26 0 200 |
| | EDS | 90 ⁺ 90 |
| LED FWHM Efficiency Peak intensity Required comp C13333_MIF | oonents: | |
| | EDS | |
| LED FWHM Efficiency Peak intensity Required comp | LUXEON S1000 22.0° % cd/lm | |
| | EDS | |
| LED FWHM Efficiency Peak intensity Required comp C13333_MIF | oonents: | |

PRODUCT DATASHEET



| C12479_MIF | LUXEON S1000 28.0° % cd/lm ponents: | | |
|--|---|--|--|
| LED FWHM | CXM-9 33.0° | | 99° 99 23 400 |
| Efficiency Peak intensity Required comp C13333_MIF | 85 % 1.900 cd/lm ponents: | | 25 ¹ 0 ¹ 25 ¹ 0 300 47 120 120 67 67 67 67 67 67 67 67 67 67 |
| LED FWHM Efficiency Peak intensity Required comp | CXM-9 29.0° 90 % 2.300 cd/lm | | 99° 9 75 90° 2 90° 2 90° 6 90° 6 90 900 900 900 900 900 900 900 9000 900 900 900 900 900 900 900 |
| LED FWHM Efficiency Peak intensity Required comp C12479_MIF | CXM-9 34.0° 85 % 1.700 cd/Im ponents: | | |

PRODUCT DATASHEET



| | _ | |
|---|--|---------------------|
| EFWHM Efficiency Peak intensity Required com | COB L-Type (LES 9) 29.0° 90 % 2.400 cd/lm | |
| ØNICHI/ | 1 | |
| LED FWHM Efficiency Peak intensity Required com C12479_MII | COB L-Type (LES 9) 34.0° 84 % 1.900 cd/lm ponents: | |
| ØNICHI/ | <u>۱</u> | |
| LED FWHM Efficiency Peak intensity Required com C13333_MII | COB L-Type (LES 9) 33.0° 86 % 2.100 cd/lm ponents: | |
| ØNICHI/ | ١ | 90 ⁴ 997 |
| LED FWHM Efficiency Peak intensity Required com | NFMW48xA 21.0° 82 % 3.300 cd/lm | 25 |

PRODUCT DATASHEET



| \sim | | | 3 |
|--|---|--|--|
| NICHIA | NSCxL036A 30.0° 85 % 2.300 cd/lm ponents: | | |
| ØNICHI/ | | | 90° 900 900 900 900 900 900 900 900 900 |
| LED FWHM Efficiency Peak intensity Required comp | NSCxL036A 26.0° 88 % 2.800 cd/lm | | |
| ØNICHI | | | 90° 90 |
| LED FWHM Efficiency Peak intensity Required comp C12479_MIF | oonents: | | 20- 20- 20- 20- 20- 20- 20- 20- 20- 20- |
| OSRAM Opto Semiconductors | | | |
| LED FWHM Efficiency Peak intensity Required comp C13333_MIF | oonents: | | |

PRODUCT DATASHEET



| OSRAM Opto Semiconductors | | | | |
|--|-------------|--|------|----------------|
| LED | Duris S10 | | | |
| FWHM | 24.0° | | | |
| Efficiency | 88 % | | | |
| Peak intensity | 3.300 cd/lm | | | |
| Required com | ponents: | | | |
| | | | | |
| | | | | |
| | | | | |
| OSRAM Opto Semiconductors | | | | |
| LED | Duris S10 | | | |
| FWHM | 32.0° | | | |
| Efficiency | 81 % | | | |
| Peak intensity | 1.900 cd/lm | | | |
| Required com | ponents: | | | |
| C12479_MI | RELLA-DL | | | |
| | | | | |
| | | | | |
| OSRAM | | | | 90° 90° |
| Opto Semiconductors | Soleriq P9 | | | |
| FWHM | 19.0° | | | 23. 20. |
| Efficiency | 86 % | | | 60.5 60.5 |
| Peak intensity | | | | 100 |
| | | | | ge |
| Required components: Bender Wirth: 461 Typ L1 | | | 200 | |
| Dender Witt | | | | X |
| | | | | 1220 |
| | | | | 30° 0° 15° 30° |
| OSRAM Opto Semiconductors | | | | 90* 90* |
| LED | Soleriq S13 | | | 73' |
| FWHM | 35.0° | | | 400 |
| Efficiency | 87 % | | | 60.4 |
| Peak intensity | | | | |
| Required com | | | | 45° 4200 |
| | - | | | |
| | | | | 1600 |
| | | | | 300 |
| | | | | 15° 2090 15° |

PRODUCT DATASHEET



| OSRAM Opto Semiconductors | | 90* |
|------------------------------|-------------|--|
| LED | Soleriq S13 | 75 |
| FWHM | 39.0° | 40 |
| Efficiency | 81 % | 60 ¹² |
| Peak intensity | | |
| Required comp | | |
| C12479_MIF | ELLA-DL | 1200 |
| | | |
| | | 30° 1650 30° 30° |
| OSRAM Opto Semiconductors | | 90° 90° |
| LED | Soleriq S13 | 75 |
| FWHM | 38.0° | - 400 |
| Efficiency | 82 % | 60. 60. |
| Peak intensity | 1.600 cd/lm | |
| Required comp | | es. |
| C13333_MIF | ELLA-CL | 120 |
| | | |
| | | 30" 15" 30" |
| SEOUL SEOUL SEMICONDUCTOR | | 30* 90* |
| LED | ZC4/6 | 73. |
| FWHM | 30.0° | |
| Efficiency | 82 % | 60' |
| Peak intensity | 2.300 cd/lm | $1 \times / 1 \times 1$ |
| Required comp | onents: | ea |
| C13333_MIF | ELLA-CL | |
| | | \times / \setminus \times |
| | | 30" 2450 15" 0 [†] 15" |
| SEOUL | | 90* |
| LED | ZC4/6 | 73: |
| FWHM | 26.0° | |
| Efficiency | 87 % | 60 ⁴ |
| Peak intensity | 2.800 cd/lm | 1500 |
| Required comp | onents: | er / / · · · · · · · · · · · · · · · · · |
| | | |
| | | 2430 |
| | | 300 00 00 300 |
| | | |

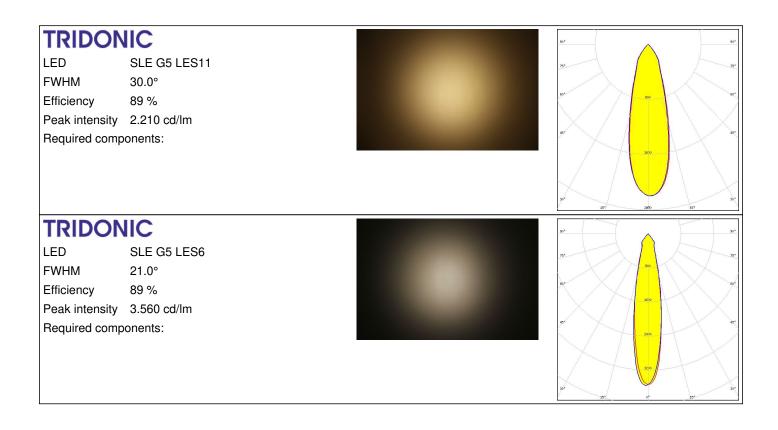
PRODUCT DATASHEET



| SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity Required comp C12479_MIF | ionents: | 91* 92 91* 000 91* 000 91* 000 500 |
|---|---|---|
| SHA LED FWHM Efficiency | RP Mini Zenigata (GW5BM) 29.0° 90 % | |
| Peak intensity Required comp | | gr 107 gr 107 gr |
| SHA LED FWHM Efficiency Peak intensity Required comp C12479_MIF | Mini Zenigata (GW6BM) 30.0° 83 % 1.900 cd/lm ponents: | 5° 5° 6° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5 |
| SHA LED FWHM Efficiency Peak intensity Required comp | Mini Zenigata (GW6BM) 25.0° | 5, |

PRODUCT DATASHEET







PHOTOMETRIC DATA (SIMULATED):

| OSRAM Opto Semiconductors | | 90° 90° |
|------------------------------|----------------|------------------------------------|
| LED | OSCONIQ P 7070 | 73* |
| FWHM | 25.0° | |
| Efficiency | 91 % | 60.5 60.5 |
| Peak intensity | 3.000 cd/lm | 1699 |
| Required compor | ents: | gr Gt |
| | | 200 |
| | | |
| | | 36° 3220 30° 30° |
| OSRAM Opto Semiconductors | | 30* 50* |
| LED | Soleriq S9 | 75* |
| FWHM | 35.0° | 400 |
| Efficiency | 85 % | 60* |
| Peak intensity | 1.900 cd/lm | |
| Required compon | ents: | er* |
| C12479_MIREI | LA-DL | |
| | | 160 |
| | | 314 314 |
| OSRAM Opto Semiconductors | | 90 ⁴ 90 ⁴ 10 |
| LED | Soleriq S9 | |
| FWHM | 34.0° | 400 |
| Efficiency | 87 % | 60° |
| Peak intensity | 2.000 cd/lm | |
| Required compon | | 43° 43° |
| C13333_MIREL | | |
| | | |
| | | 30" 30," |
| OSRAM | | 90* 90* 90* |
| Opto Semiconductors | Soleriq S9 | |
| FWHM | 31.0° | |
| Efficiency | 91 % | 60 ⁴ 800 |
| Peak intensity | 2.300 cd/lm | |
| Required compon | | ar |
| | | |
| | | |
| | | 34* |
| | | 15° 2400 15° 0° 15° |

PRODUCT DATASHEET





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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