STRADELLA-16-HB-S

~25° spot beam for industrial applications

SPECIFICATION:

Dimensions 49.5 x 49.5 mm

Height 7.5 mm

Fastening pin, screw

ROHS compliant yes 1



MATERIALS:

ComponentTypeMaterialColourFinishSTRADELLA-16-HB-SMulti-lensPMMAclear

ORDERING INFORMATION:

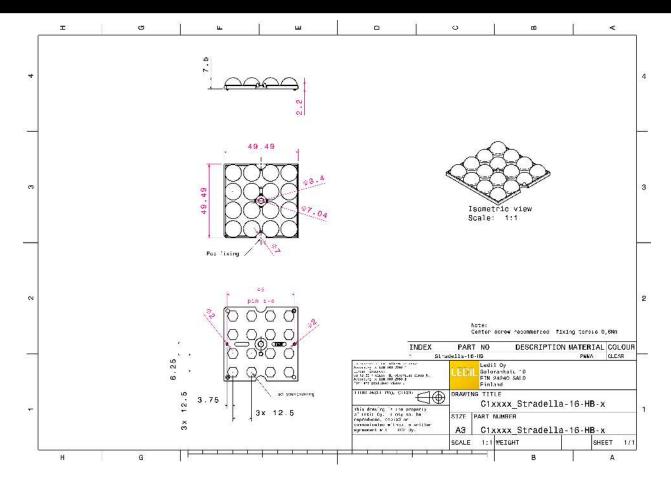
Component Qty in box MOQ MPQ Box weight (kg)

C15430_STRADELLA-16-HB-S 800 160 160 6.3 » Box size: 480 x 280 x 300 mm



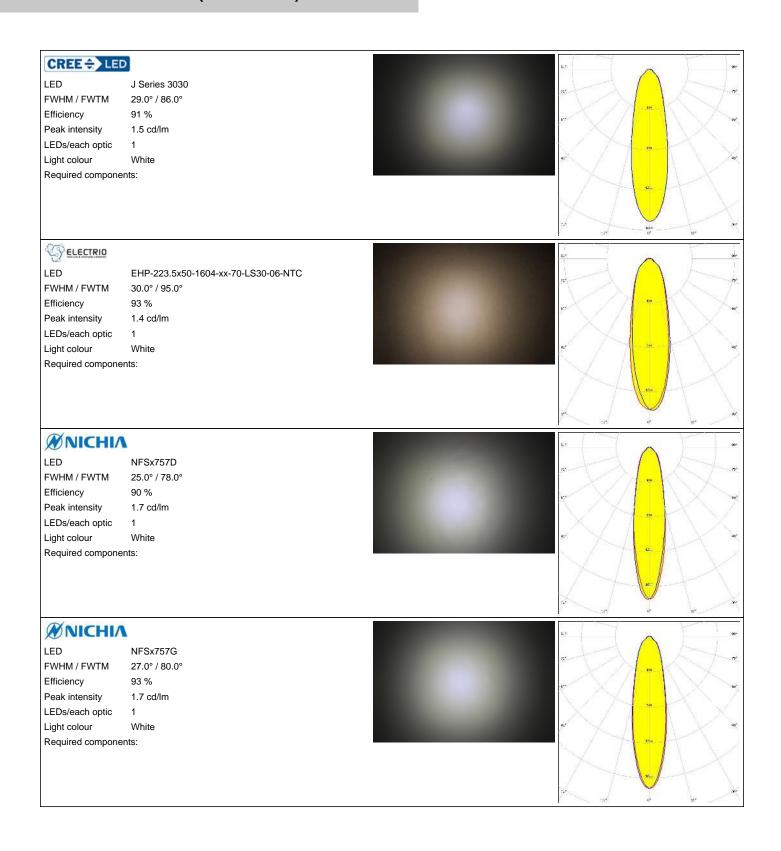
PRODUCT C15430_STRADELLA-16-HB-S

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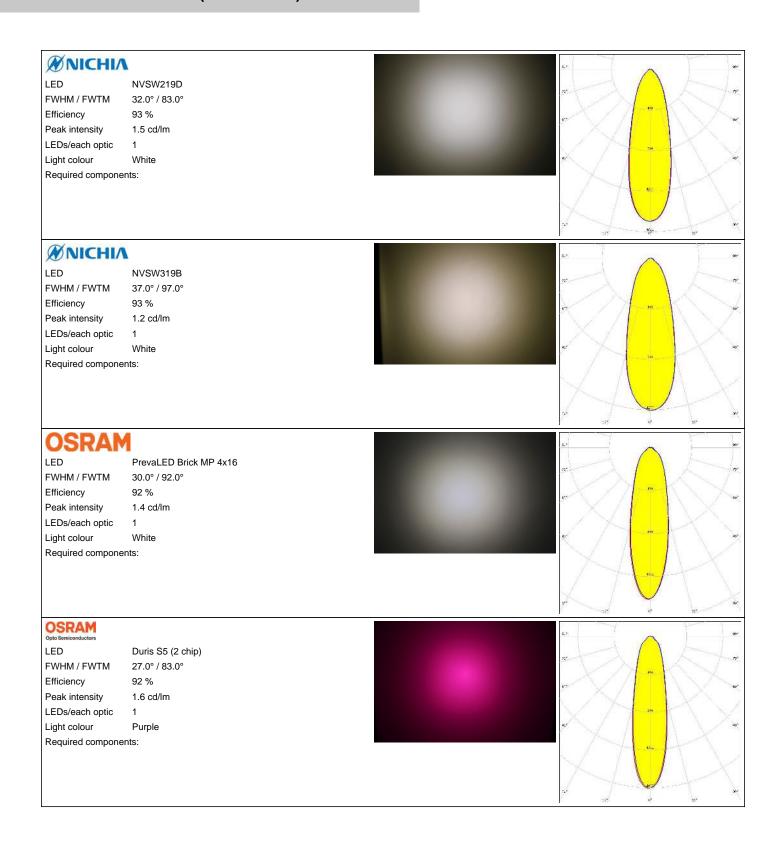


See also our general installation guide: www.ledil.com/installation_guide







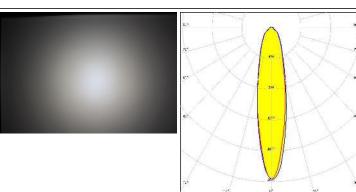


OPTICAL RESULTS (MEASURED):

OSRAM Opto Semiconductors

LED Duris S5 (Single chip)

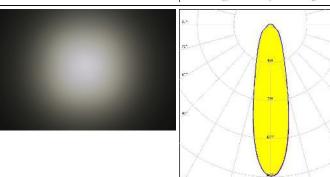
FWHM / FWTM 23.0° / 72.0°
Efficiency 90 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM Coto Semiconductors

LED OSCONIQ S 3030 (QSLR31)

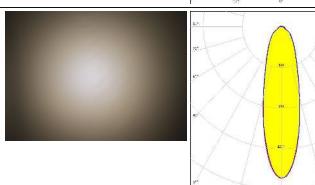
FWHM / FWTM 28.0° / 82.0°
Efficiency 91 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHILIPS

LED Fortimo FastFlex LED 4x16 DHE G4

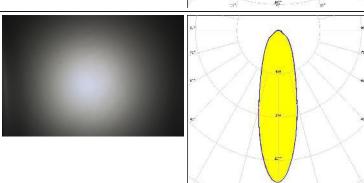
FWHM / FWTM 29.0° / 88.0°
Efficiency 92 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



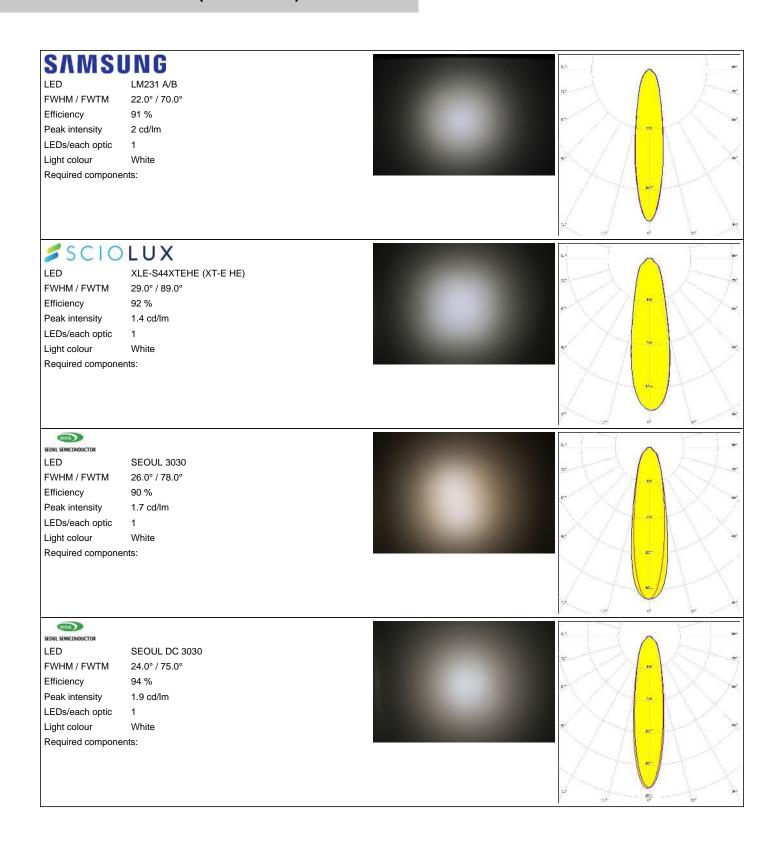
SAMSUNG

LED HiLOM RM64 (LM301B)

FWHM / FWTM 30.0° / 92.0°
Efficiency 93 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:











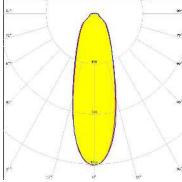
LED Z5M3

FWHM / FWTM 33.0° / 100.0° Efficiency 94 % Peak intensity 1.2 cd/lm

Light colour White Required components:

LEDs/each optic



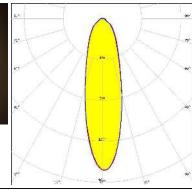


TRIDONIC

LED RLE 4x16 4000lm MP ADV2 OTD

FWHM / FWTM 29.0° / 89.0°
Efficiency 93 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:





TRIDONIC

LED RLE 4x8 2000lm MP ADV2 OTD

FWHM / FWTM 29.0° / 89.0°
Efficiency 93 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

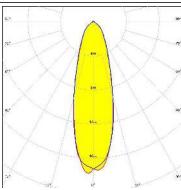
OPTICAL RESULTS (SIMULATED):

bridgelux

LED Bridgelux SMD 2835

FWHM / FWTM 31.0° / 81.0°
Efficiency 94 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:

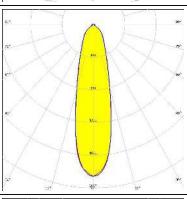


bridgelux.

LED CSP 2727 (BXCP) FWHM / FWTM 28.0° / 80.0 + 78.0°

Efficiency 93 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White

Required components:

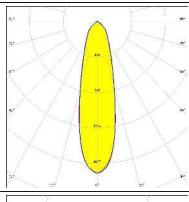


bridgelux

LED CSP 2727 (BXCP) FWHM / FWTM 28.0° / 80.0 + 78.0°

Efficiency 84 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

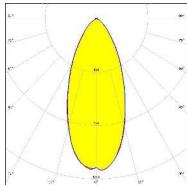


CREE . LED

LED XP-G2 HE
FWHM / FWTM 46.0° / 90.0°
Efficiency 90 %

Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:



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OPTICAL RESULTS (SIMULATED):



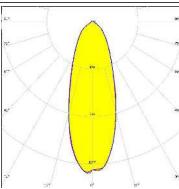
 LED
 XP-G3

 FWHM / FWTM
 37.0° / 95.0°

 Efficiency
 91 %

Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:



CREE & LED

 LED
 XT-E

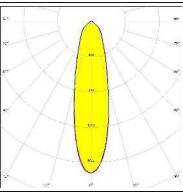
 FWHM / FWTM
 28.0° / 82.0°

 Efficiency
 91 %

 Peak intensity
 1.7 cd/lm

Peak intensity 1.7 cd/ln
LEDs/each optic 1
Light colour White

Required components:



MUMILEDS

LED LUXEON 2835 Line

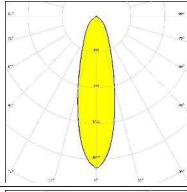
 FWHM / FWTM
 30.0° / 78.0°

 Efficiency
 85 %

 Peak intensity
 1.7 cd/lm

LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

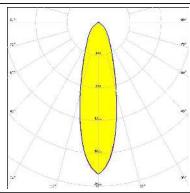


MILEDS

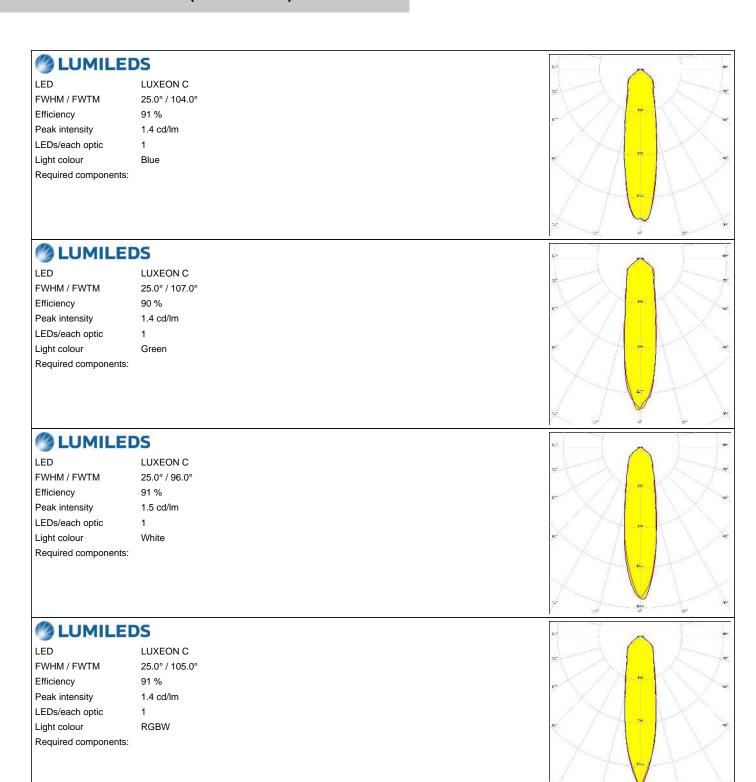
LED LUXEON 2835 Line

FWHM / FWTM 28.0° / 78.0°
Efficiency 93 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White

Required components:







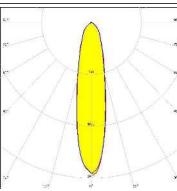




LED LUXEON CZ
FWHM / FWTM 23.0° / 70.0°
Efficiency 94 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1

Light colour RGBW

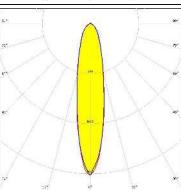
Required components:



MUMILEDS

LED LUXEON CZ
FWHM / FWTM 22.0° / 67.0°
Efficiency 94 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:



DIVIDITION

LED LUXEON HL1Z
FWHM / FWTM 18.0° / 62.0°

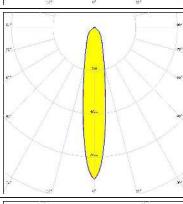
Efficiency 94 %

Peak intensity 2.8 cd/lm

LEDs/each optic 1

Light colour White

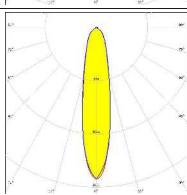
Required components:



WNICHIA

LED NCSxE17A
FWHM / FWTM 22.0° / 69.0°
Efficiency 91 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:



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FWHM / FWTM

Peak intensity

Light colour

LEDs/each optic

Required components:

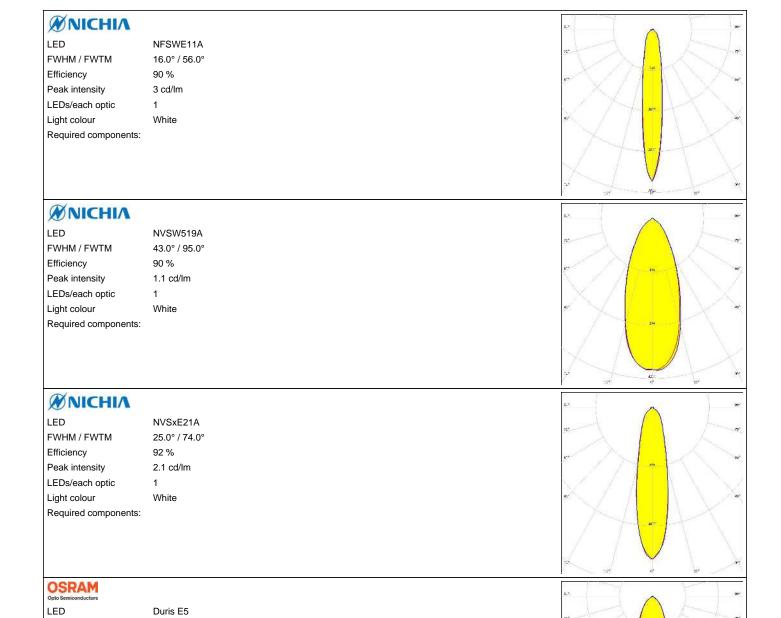
Efficiency

30.0° / 80.0°

93 %

White

1.8 cd/lm



OPTICAL RESULTS (SIMULATED):

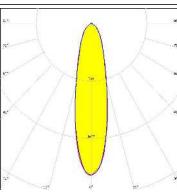


LED OSCONIQ C 2424 FWHM / FWTM 26.0° / 73.0°

Efficiency 93 % Peak intensity 2.1 cd/lm

LEDs/each optic Light colour White

Required components:

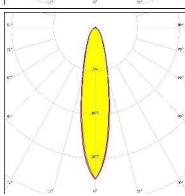


OSRAM Opto Semiconductor

LED OSCONIQ P 3030

FWHM / FWTM 22.0° / 60.0° Efficiency 94 % Peak intensity 2.8 cd/lm LEDs/each optic 1

Required components:



OSRAM Opto Semiconductors

Light colour

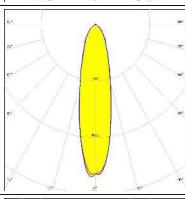
LED OSLON Square CSSRM2/CSSRM3

White

FWHM / FWTM 25.0° / 74.0° Efficiency 94 % Peak intensity 2.2 cd/lm LEDs/each optic

Light colour Far Red

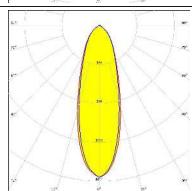
Required components:



OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 32.0° / 87.0° Efficiency 94 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Red Light colour Required components:





SAMSUNG

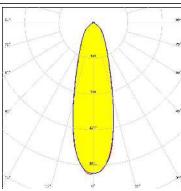
LED LH231B FWHM / FWTM 31.0° / 82.0°

Efficiency 91 %

Peak intensity 1.7 cd/lm

LEDs/each optic 1
Light colour White

Required components:



SAMSUNG

LED LH231B

FWHM / FWTM 31.0° / 80.0°

Efficiency 83 %

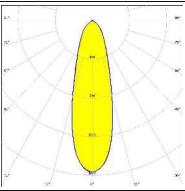
Peak intensity 1.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:

Protective plate, glass



SAMSUNG

LED LH351B

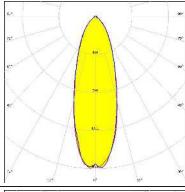
FWHM / FWTM 33.0° / 83.0°

Efficiency 94 %

Peak intensity 1.6 cd/lm

LEDs/each optic 1
Light colour White

Required components:



SAMSUNG

LED LH351C

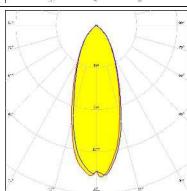
FWHM / FWTM 37.0° / 87.0°

Efficiency 94 %

Peak intensity 1.5 cd/lm

LEDs/each optic 1
Light colour White

Required components:





SAMSUNG

LED LH351D

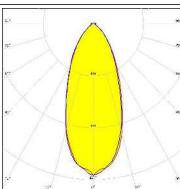
FWHM / FWTM 44.0° / 93.0°

Efficiency 93 %

Peak intensity 1.2 cd/lm

LEDs/each optic 1
Light colour White

Required components:



SAMSUNG

LED LM301B

FWHM / FWTM 28.0° / 76.0°

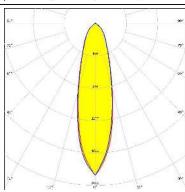
Efficiency 87 %

Peak intensity 1.9 cd/lm

LEDs/each optic 1
Light colour White

Required components:

Protective plate, glass



SAMSUNG

LED LM301B

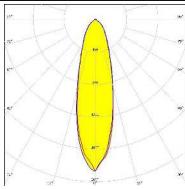
FWHM / FWTM 27.0° / 78.0°

Efficiency 93 %

Peak intensity 1.9 cd/lm

LEDs/each optic 1

Light colour White Required components:



SAMSUNG

LED LM302D

FWHM / FWTM 29.0° / 79.0°

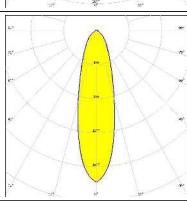
Efficiency 93 %

Peak intensity 1.8 cd/lm

Light colour White

Required components:

LEDs/each optic



OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LM302Z plus

FWHM / FWTM 30.0° / 82.0° Efficiency 87 %

Efficiency 87 %
Peak intensity 1.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:



LED LM302Z plus

Protective plate, glass

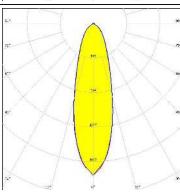
FWHM / FWTM 30.0° / 80.0°

Efficiency 93 %

Peak intensity 1.8 cd/lm LEDs/each optic 1

Light colour White

Required components:



SEOUL SEMICONDUCTOR

LED SEOUL DC 3030C

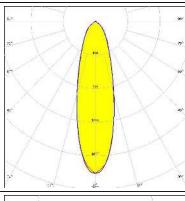
FWHM / FWTM 30.0° / 80.0°

Efficiency 93 %

Peak intensity 1.8 cd/lm

LEDs/each optic 1
Light colour White

Required components:



SEOUL SEMICONDUCTOR

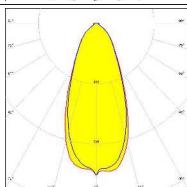
LED SEOUL DC 5050 6V

FWHM / FWTM 45.0° / 100.0°

Efficiency 91 %
Peak intensity 1 cd/lm
LEDs/each optic 1

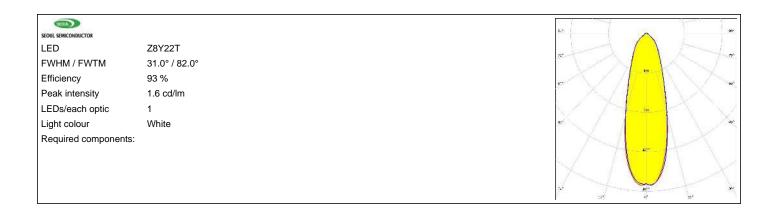
Light colour White

Required components:



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GENERAL INFORMATION:

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

MATERIALS:

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

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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

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LEDIL Oy

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Salo, Finland Hong Kong, China

Distribution Partners

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