#### STRADELLA-IP-28-HB-W

~90° wide beam. Variant made from PMMA.

#### **SPECIFICATION:**

Dimensions 100.0 x 100.0 mm

Height 9.5 mm

Fastening pin, screw

Ingress protection classes IP66, IP67

ROHS compliant yes 1



#### **MATERIALS:**

ComponentTypeMaterialColourFinishLength (mm)STRADELLA-IP-28-HB-WMulti-lensPMMAclearSTRADELLA-28-SEALSealSiliconewhite

#### **ORDERING INFORMATION:**

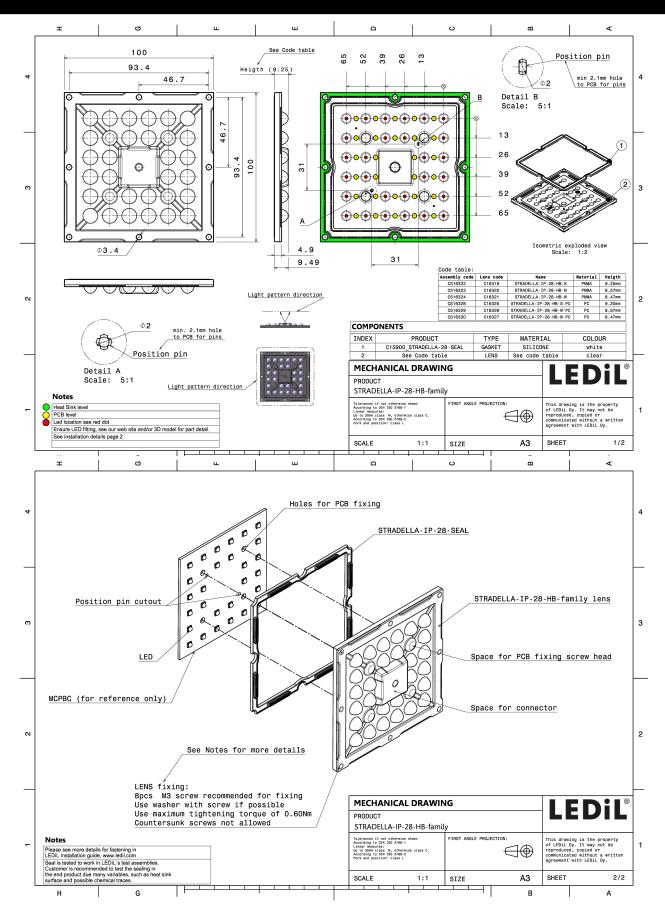
Component Qty in box MOQ MPQ Box weight (kg)

CS16324\_STRADELLA-IP-28-HB-W Multi-lens 156 78 78 5.9

» Box size: 476 x 273 x 247 mm

Published: 06/11/2018





See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>

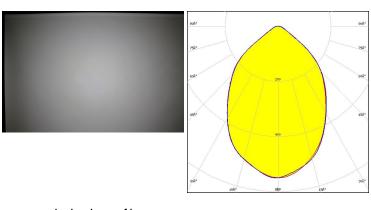
Published: 06/11/2018

#### **OPTICAL RESULTS (MEASURED):**



LED HiQLED STR28 CR JE2835 4x7 xxx

FWHM / FWTM 81.0° / 119.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

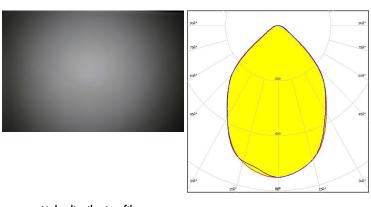


Light distribution files



LED HiQLED STR28 CR JK3030 4x7 xxx

FWHM / FWTM 81.0° / 117.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

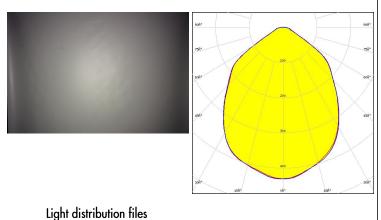


Light distribution files



LED QUICK FLUX STR28 XD2x14 xxx G8

FWHM / FWTM 91.0° / 130.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



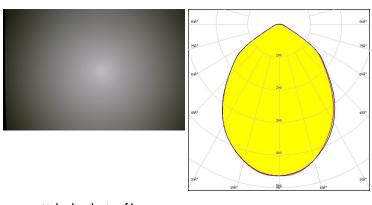
Ligiti distribution file.

#### **OPTICAL RESULTS (MEASURED):**



QUICK FLUX STR28 XP2x14 xxx G7 LED

FWHM / FWTM 88.0° / 129.0° Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White Required components:

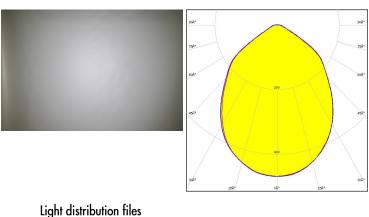


Light distribution files



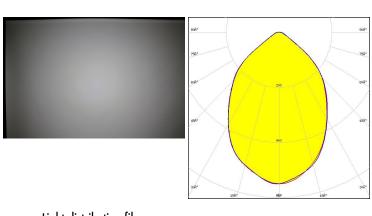
QUICK FLUX STR28 XT2x14 xxx G5

FWHM / FWTM 89.0° / 131.0° Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White Required components:





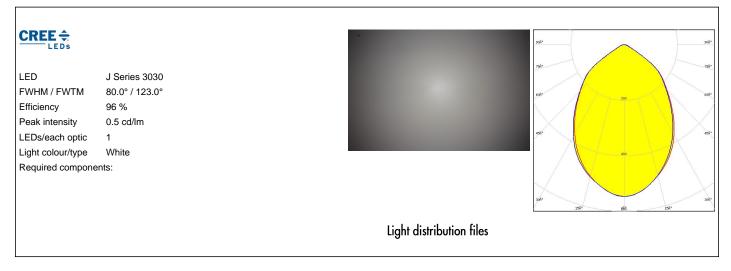
LED J Series 2835  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 81.0° / 119.0° Efficiency 94 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour/type White Required components:



Light distribution files

#### **OPTICAL RESULTS (MEASURED):**

#### CREE \$ LED J Series 3030 81.0° / 117.0° FWHM / FWTM Efficiency 93 % Peak intensity 0.6 cd/lm LEDs/each optic Light colour/type White Required components: Light distribution files



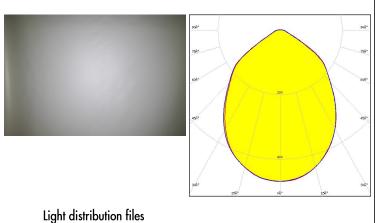


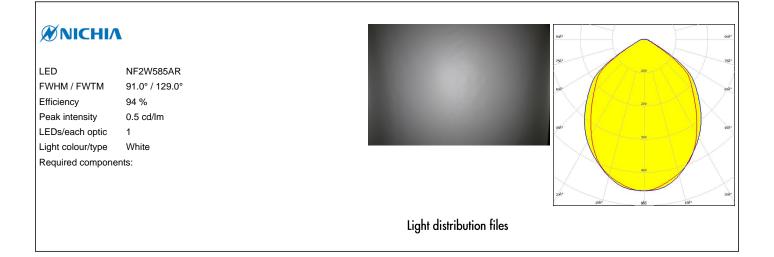
#### **OPTICAL RESULTS (MEASURED):**

#### CREE \$ LED XP-G3 88.0° / 129.0° FWHM / FWTM Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White Required components: Light distribution files



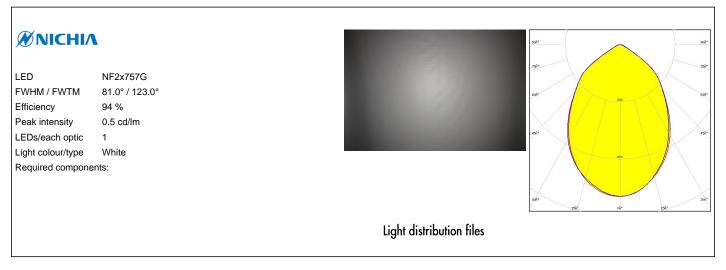
FWHM / FWTM 89.0° / 131.0° Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White Required components:

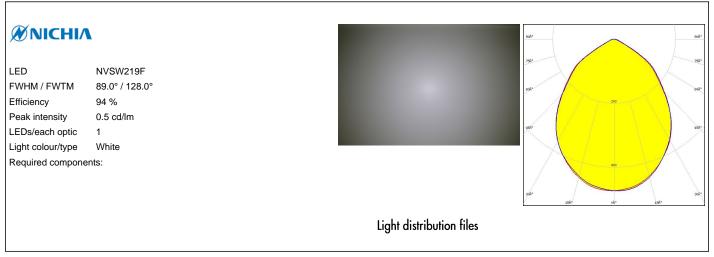




#### **OPTICAL RESULTS (MEASURED):**

# LED NF2W585AR FWHM / FWTM 91.0° / 129.0° Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files

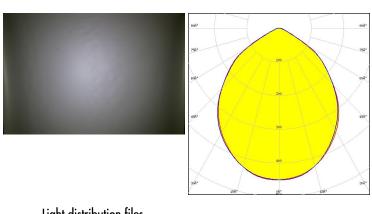




#### **OPTICAL RESULTS (MEASURED):**

#### **WNICHIA**

NVSW319B 94.0° / 130.0° FWHM / FWTM Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White Required components:

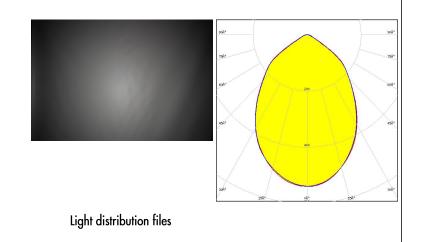


Light distribution files

## OSRAM Opto Semiconductore

OSCONIQ S 3030 (QSLR31)

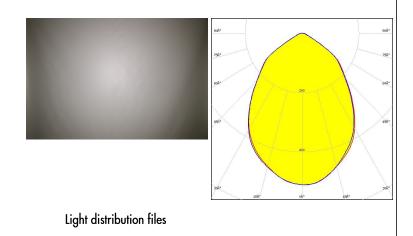
FWHM / FWTM 81.0° / 123.0° Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White Required components:



#### **OSRAM**

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 82.0° / 126.0° Efficiency 95 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:

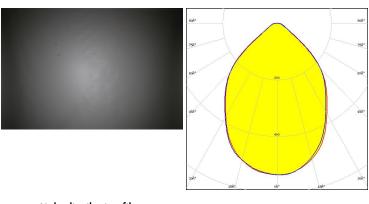


#### **OPTICAL RESULTS (MEASURED):**

#### **SAMSUNG**

HiLOM SC28 (LH181B)

FWHM / FWTM 83.0° / 119.0° Efficiency 93 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White Required components:



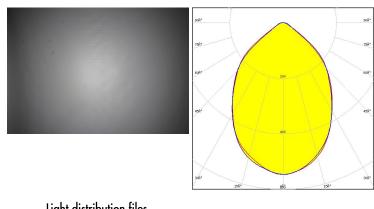
Light distribution files

#### **SAMSUNG**

HiLOM SM28 (LM301B)

FWHM / FWTM 81.0° / 119.0° Efficiency 94 % Peak intensity 0.6 cd/lm

LEDs/each optic Light colour/type White Required components:



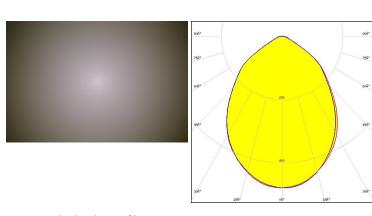
Light distribution files



LED Z5M3

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 86.0° / 128.0° Efficiency 94 %

Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White Required components:

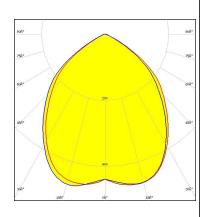


Light distribution files



LED J Series 3030
FWHM / FWTM 91.0° / 126.0°
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



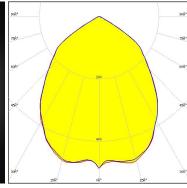
Light distribution files

#### CREE \$

LED J Series 3030C
FWHM / FWTM 88.0° / 124.0°
Efficiency 96 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



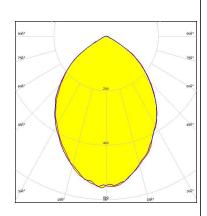


Light distribution files

#### CREE -

LED J Series 5050 Round LES

FWHM / FWTM 82.0° / 122.0°
Efficiency 95 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

#### CREE +

LED XP-G2 HE
FWHM / FWTM 96.0° / 129.0°
Efficiency 95 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

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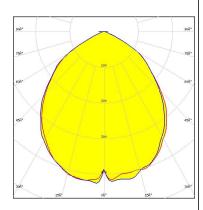
900°

Light distribution files

#### CREE \$

LED XP-G3
FWHM / FWTM 95.0° / 132.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

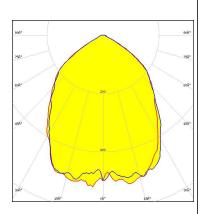


Light distribution files



LED LUXEON 3030 2D (Round LES)

FWHM / FWTM 85.0° / 125.0°
Efficiency 92 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

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



LED LUXEON 5050 Round LES

FWHM / FWTM 78.0° / 123.0°

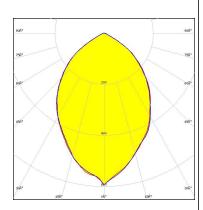
Efficiency 94 %

Peak intensity 0.6 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:



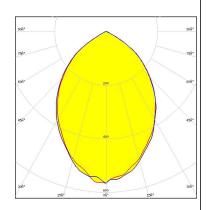
Light distribution files



LED LUXEON 5050 Square LES

FWHM / FWTM 81.0° / 123.0°
Efficiency 95 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

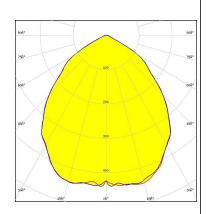
Required components:



Light distribution files



LED NVSW219F
FWHM / FWTM 94.0° / 128.0°
Efficiency 95 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White

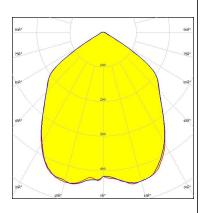


Light distribution files



LFD NVSxE21A  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 96.0° / 122.0° Efficiency 93 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour/type White

Required components:



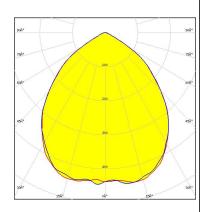
Light distribution files



NVSxx19B/NVSxx19C LFD

FWHM / FWTM 94.0° / 126.0° Efficiency 95 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White

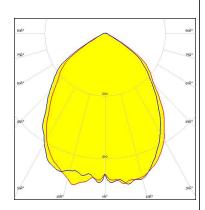
Required components:



Light distribution files

#### **OSRAM**

Duris S5 (2 chip) FWHM / FWTM 86.0° / 124.0° Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White



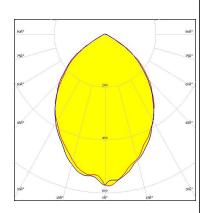
Light distribution files

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

#### OSRAM Opto Semiconductors

LED Duris S8
FWHM / FWTM 81.0° / 122.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

#### OSRAM Opto Semiconductore

Opto Semiconducto

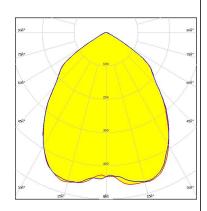
 LED
 OSCONIQ C 2424

 FWHM / FWTM
 90.0° / 124.0°

 Efficiency
 95 %

Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

#### **OSRAM**

OSCONIQ C 3030

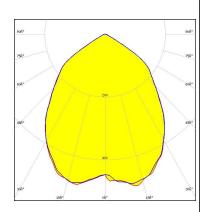
FWHM / FWTM 88.0 + 89.0° / 122.0°

Efficiency 96 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour/type White



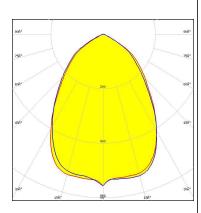
Light distribution files

# OSRAM Opto Semiconductors

LFD OSCONIQ P 3030 FWHM / FWTM 78.0° / 124.0° Efficiency 96 % Peak intensity 0.6 cd/lm

LEDs/each optic 1 Light colour/type White

Required components:



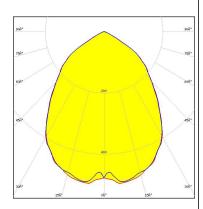
Light distribution files

## OSRAM Opto Semiconductore

OSCONIQ P 3737 (2W version) LFD

FWHM / FWTM 86.0° / 124.0° Efficiency 96 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White

Required components:



Light distribution files

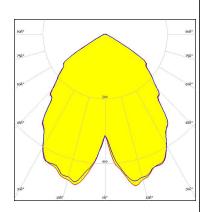
#### **OSRAM**

OSLON Pure 1414

FWHM / FWTM 90.0° / 124.0° Efficiency 96 % Peak intensity 0.5 cd/lm LEDs/each optic

White

Light colour/type Required components:



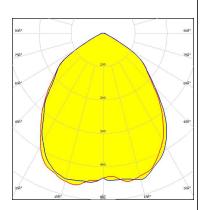
Light distribution files

#### OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 88.0° / 128.0°
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



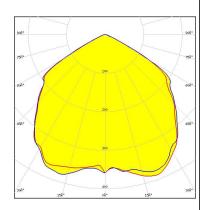
Light distribution files

#### OSRAM Opto Semiconductore

LED OSLON SSL 150
FWHM / FWTM 107.0° / 130.0°
Efficiency 94 %

Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

#### **SAMSUNG**

 LED
 LM301B

 FWHM / FWTM
 87.0° / 123.0°

 Efficiency
 94 %

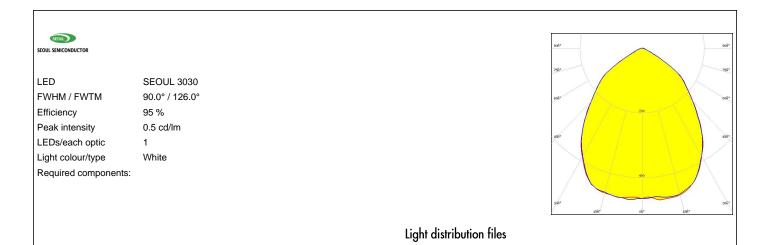
 Peak intensity
 0.5 cd/lm

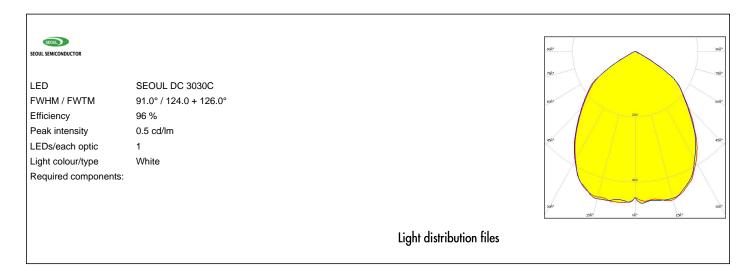
 LEDs/each optic
 1

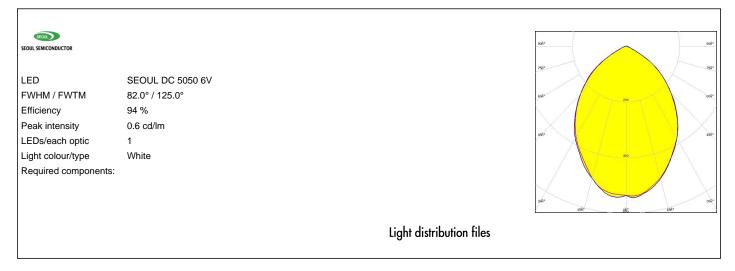
Light colour/type White Required components:

Light distribution files

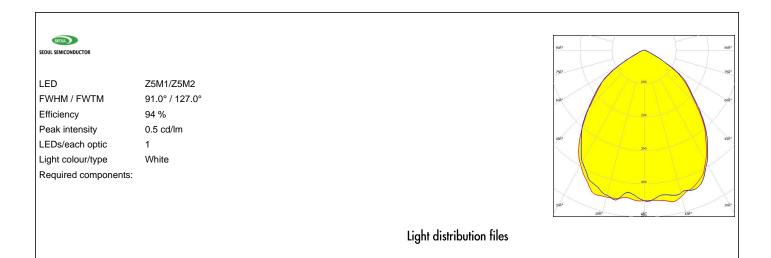








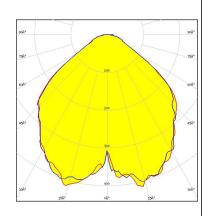






LED 78Y22 FWHM / FWTM 100.0° / 141.0° Efficiency 92 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour/type White

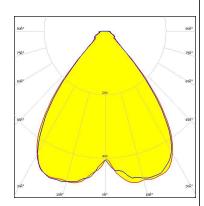
Required components:



Light distribution files



LED Z8Y22T FWHM / FWTM 93.0° / 123.0° Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour/type White



Light distribution files

#### **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**

Joensuunkatu 13 FI-24240 SALO Finland

#### LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

# Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

# Local sales and technical support

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

Poznan, Poland Hong Kong, China

#### **Distribution Partners**

19/19

www.ledil.com/ where\_to\_buy