

FLORENCE-3R-IP-Z60

~60° wide beam



SPECIFICATION:

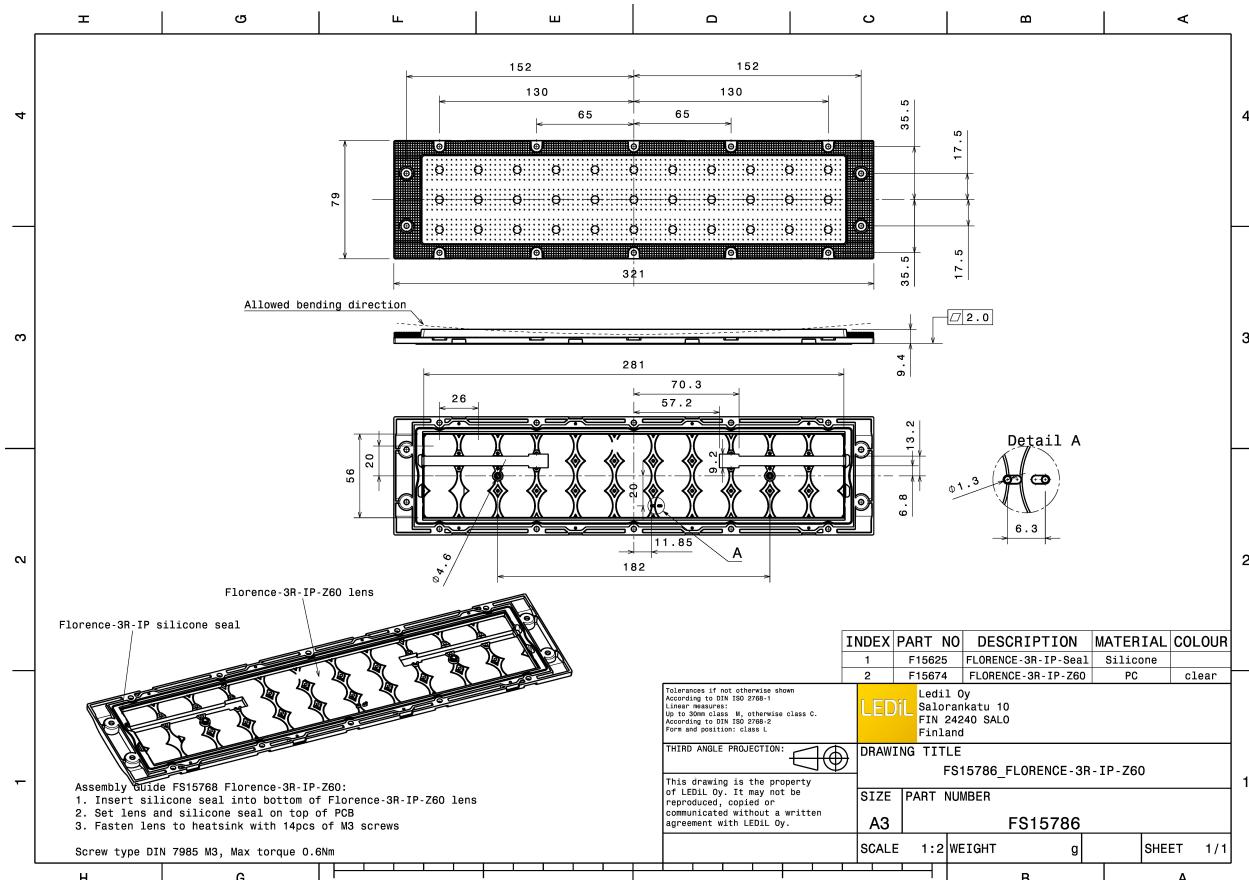
Dimensions	321.0 x 79.0
Height	9.4 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
FLORENCE-3R-IP-Z60	Linear lens	PC	clear		
FLORENCE-3R-IP-SEAL	Seal	Silicone	clear		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FS15786_FLORENCE-3R-IP-Z60 » Box size: 356 x 356 x 292 mm	Linear lens	80	80	4

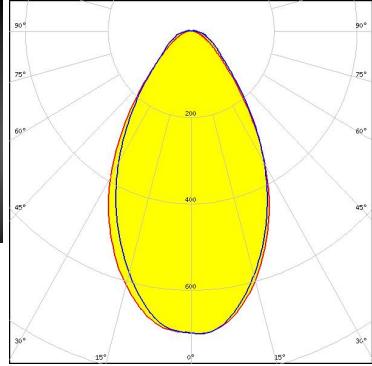


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

LUMILEDS

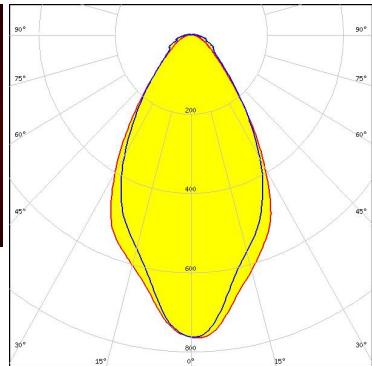
LED LUXEON 5050 Round LES
 FWHM / FWTM 62.5 + 60.0° / 108.5 + 116.0°
 Efficiency 87 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

LUMINUS

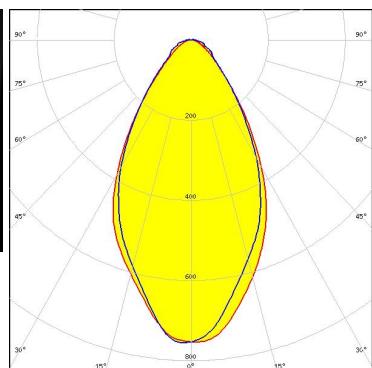
LED SST-10-B130
 FWHM / FWTM 61.0° / 104.0°
 Efficiency 88 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type Deep Red
 Required components:



Light distribution files

MST | Your solutions

LED LinLED 280x55mm 1100lm 840 3x11 33V Opt G2
 FWHM / FWTM 60.0 + 57.0° / 102.5 + 105.0°
 Efficiency 85 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

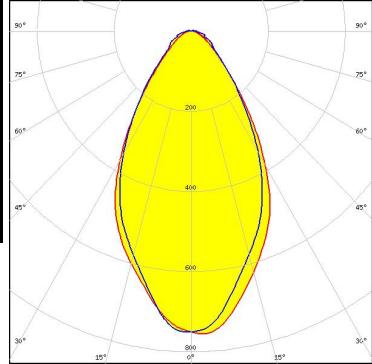


Light distribution files

OPTICAL RESULTS (MEASURED):

MST | Your solutions

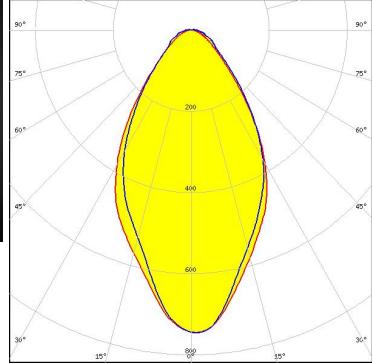
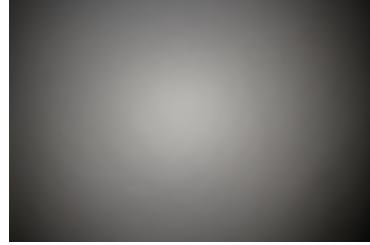
LED LinLED 280x55mm 2000lm 830 33V Opt G1
 FWHM / FWTM 60.0 + 57.0° / 102.0 + 105.5°
 Efficiency 85 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

NICHIA

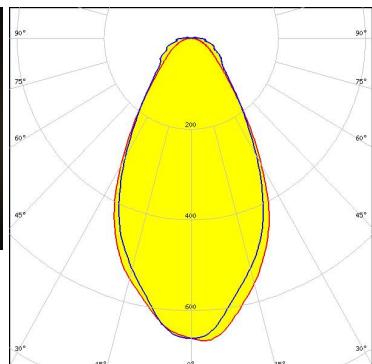
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 59.0° / 109.0°
 Efficiency 87 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM
 Opto Semiconductors

LED Duris S2
 FWHM / FWTM 58.0° / 117.0°
 Efficiency 82 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



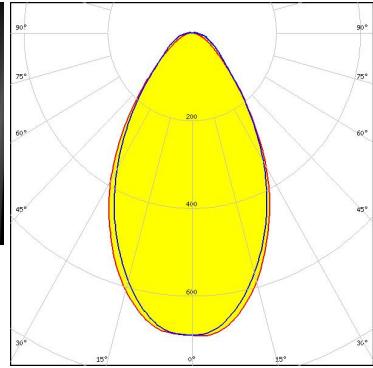
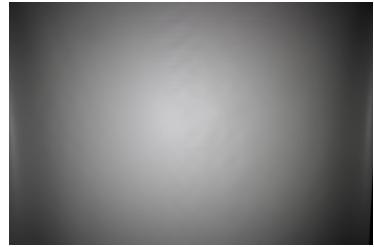
Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

LED Duris S8
FWHM / FWTM 62.0° / 113.0°
Efficiency 86 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

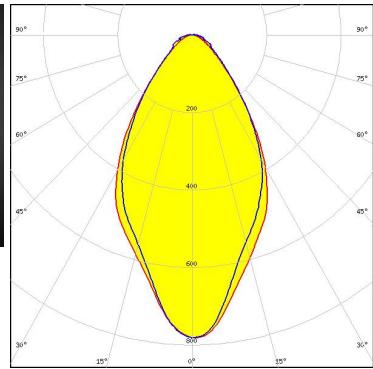
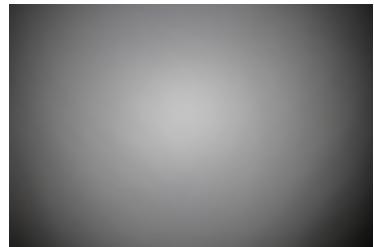


Light distribution files

OSRAM

Opto Semiconductors

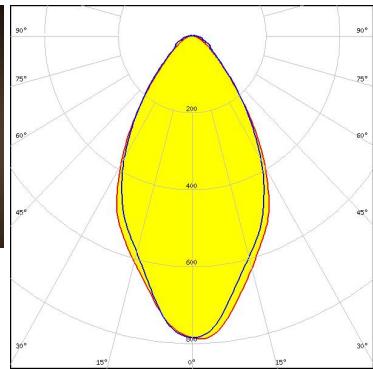
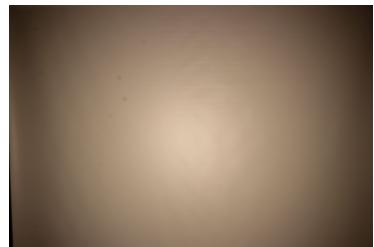
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 59.0° / 105.0°
Efficiency 88 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

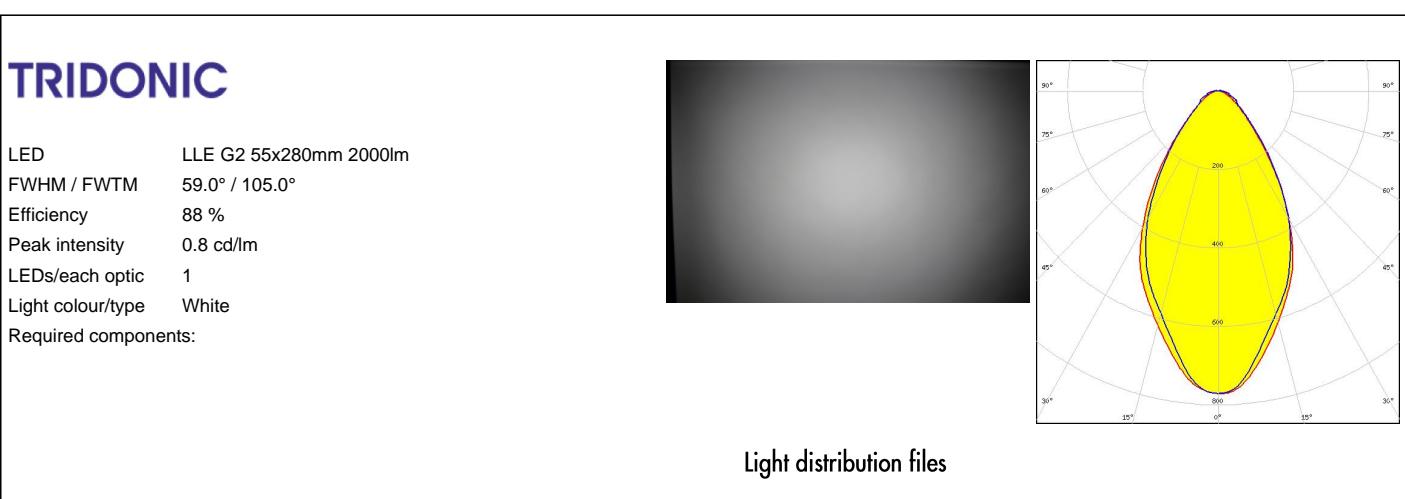
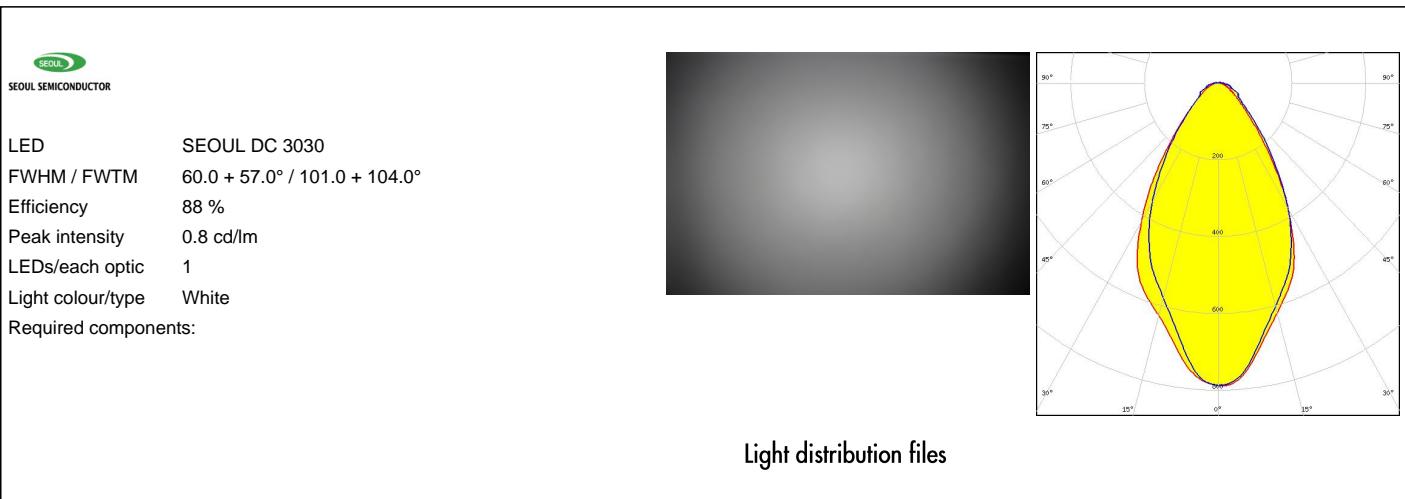
SEOUL SEMICONDUCTOR

LED SEOUL 5630C
FWHM / FWTM 59.0° / 103.0°
Efficiency 87 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

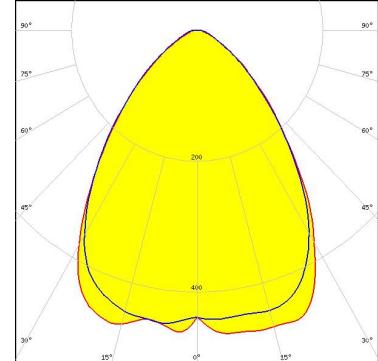
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):



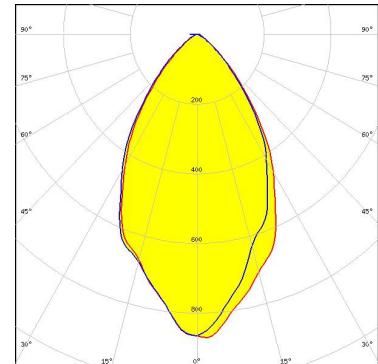
LED Bridgelux SMD 5050
FWHM / FWTM 79.0° / 123.0°
Efficiency 83 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



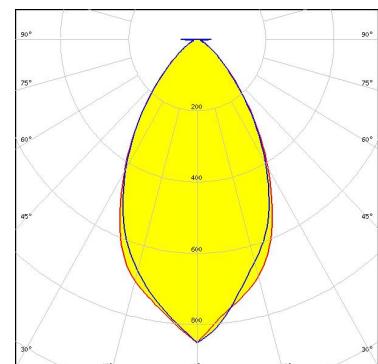
LED XP-G2
FWHM / FWTM 60.0° / 102.0°
Efficiency 92 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G3
FWHM / FWTM 59.0° / 102.0°
Efficiency 92 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

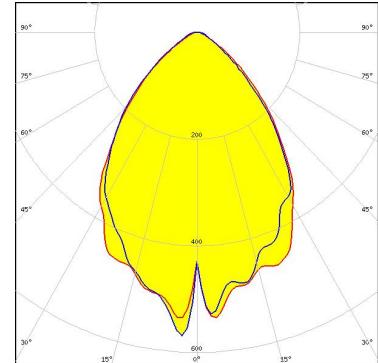


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

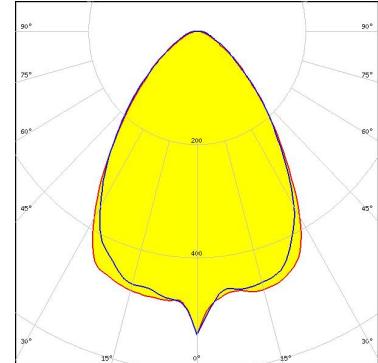
LED Duris E 2835
FWHM / FWTM 74.0° / 116.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

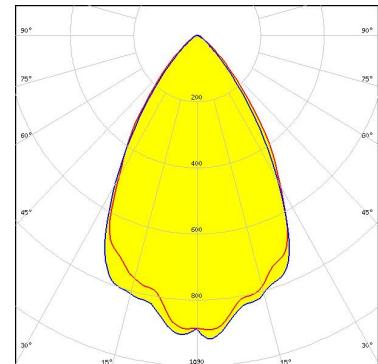
LED Duris S10
FWHM / FWTM 74.0° / 120.0°
Efficiency 82 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSCONIQ P 3030
FWHM / FWTM 64.0° / 96.0°
Efficiency 90 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type Hyper Red
Required components:

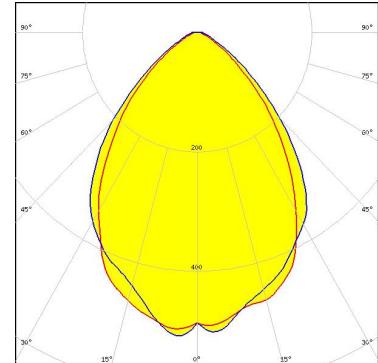


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

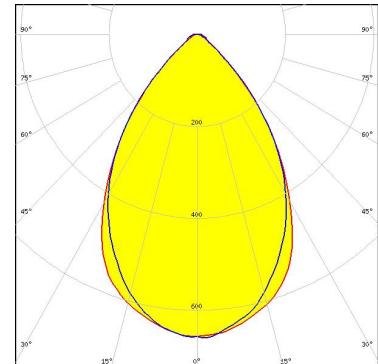
LED OSCONIQ P 3737 (2W version)
FWHM / FWTM 78.0° / 120.0°
Efficiency 84 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

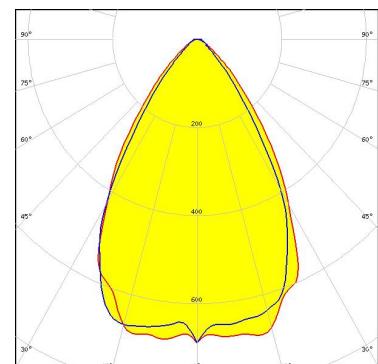
LED LH502D
FWHM / FWTM 70.0° / 104.0°
Efficiency 86 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LM302Z
FWHM / FWTM 68.0 + 64.0° / 104.0 + 94.0°
Efficiency 85 %
Peak intensity 0.7 cd/lm
LEDs/each optic 2
Light colour/type White
Required components:

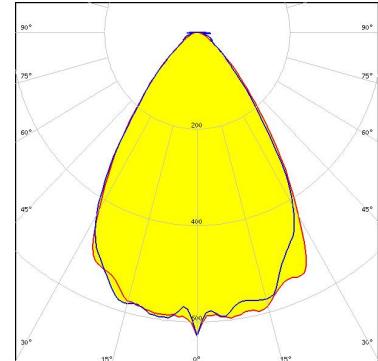


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

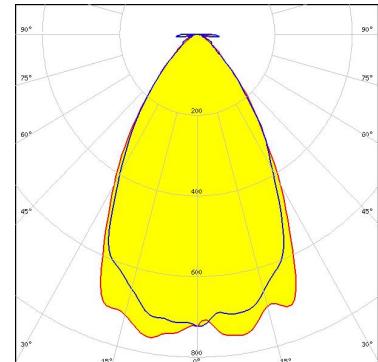
LED LM302Z
 FWHM / FWTM 70.0 + 69.0° / 105.0°
 Efficiency 83 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files

SEoul SEMICONDUCTOR

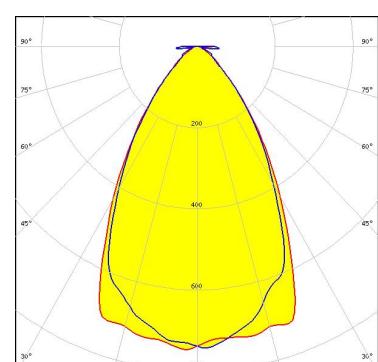
LED Z8Y22
 FWHM / FWTM 62.0° / 100.0°
 Efficiency 93 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SEoul SEMICONDUCTOR

LED Z8Y22P
 FWHM / FWTM 63.0° / 101.0°
 Efficiency 93 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

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