

FLORENCE-Z60

~60° wide beam. Ideal for retail and industrial lighting. Can be used for general office lighting with shade.

SPECIFICATION:

| | |
|----------------|-----------------|
| Dimensions | 286.0 x 61.0 mm |
| Height | 8.5 mm |
| Fastening | screw |
| ROHS compliant | yes ⓘ |

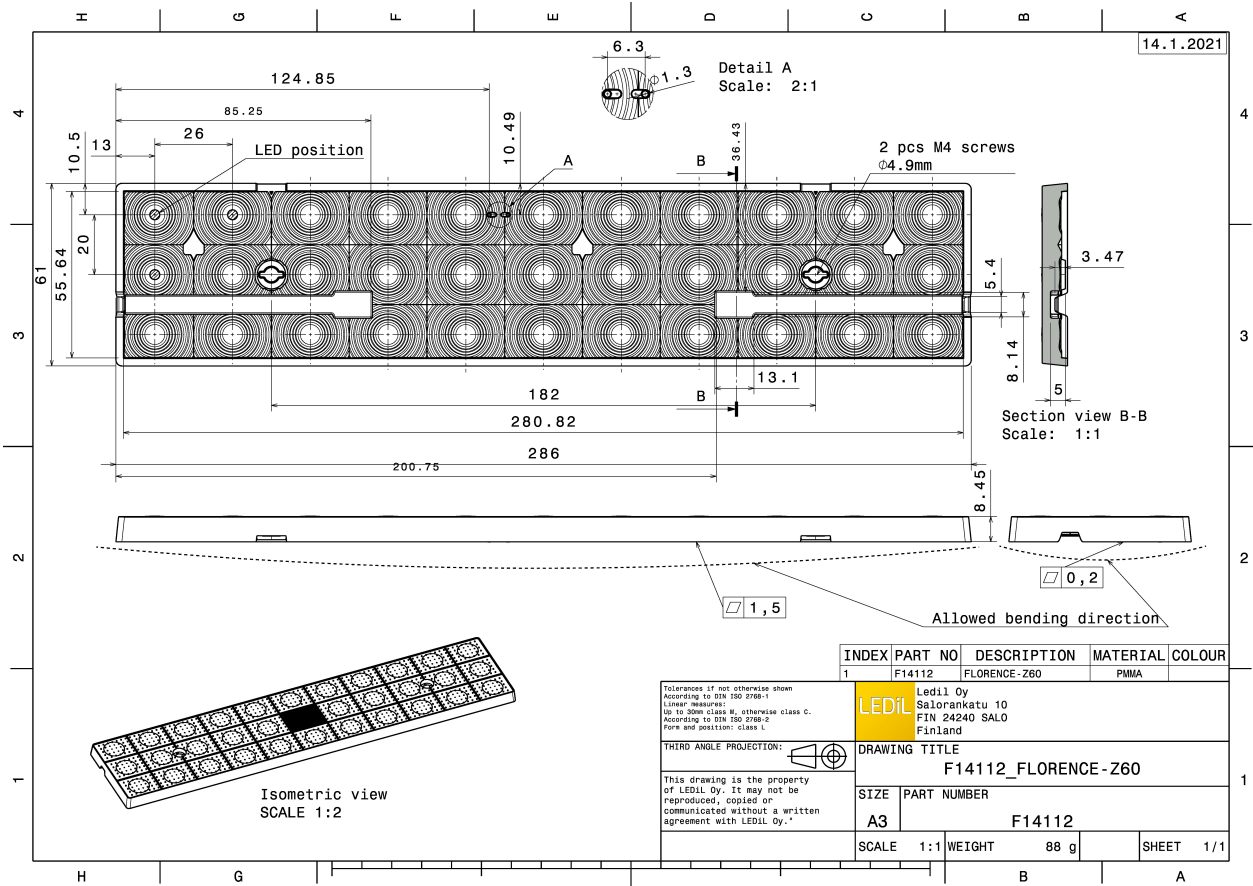
MATERIALS:

| Component | Type | Material | Colour | Finish | Length (mm) |
|--------------|-------------|----------|--------|--------|-------------|
| FLORENCE-Z60 | Linear lens | PMMA | clear | | |



ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| F14112_FLORENCE-Z60 | 72 | 18 | 6 | 7.3 |
| » Box size: 398 x 298 x 140 mm | | | | |

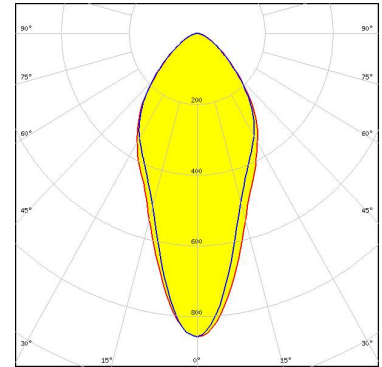


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



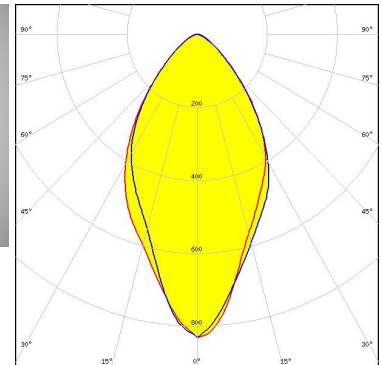
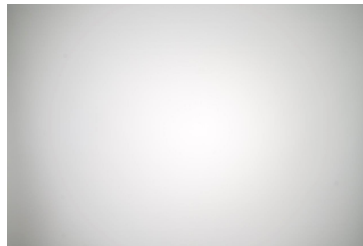
LED XH-B/G
FWHM / FWTM 43.0° / 111.0°
Efficiency 87 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



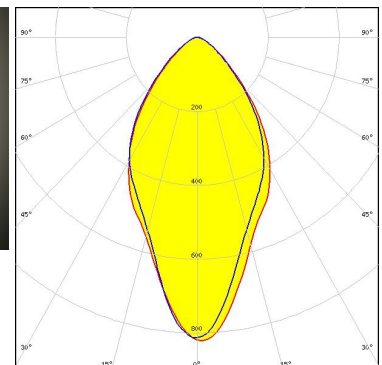
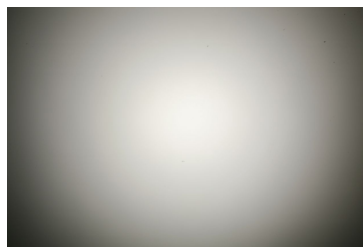
LED LUXEON 3030 2D (Round LES)
FWHM / FWTM 57.0° / 107.0°
Efficiency 88 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 3535 2D
FWHM / FWTM 57.0° / 108.0°
Efficiency 89 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

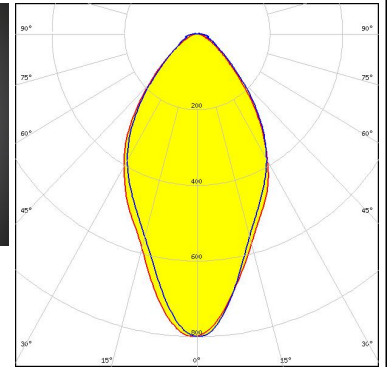
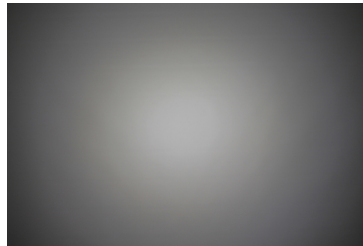


Light distribution files

OPTICAL RESULTS (MEASURED):



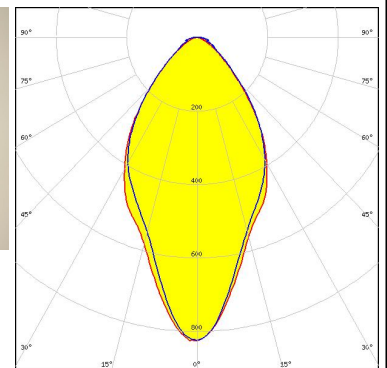
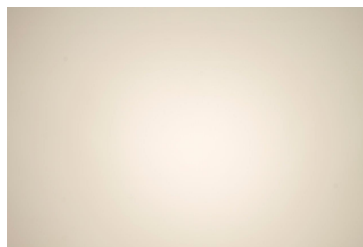
LED LUXEON 3535L HE
 FWHM / FWTM 58.0° / 110.0°
 Efficiency 93 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



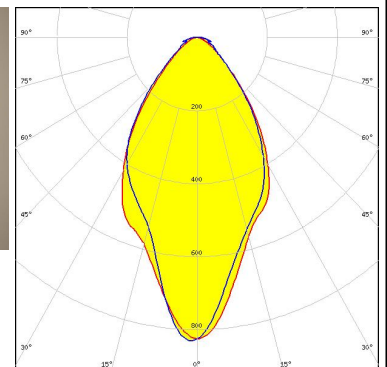
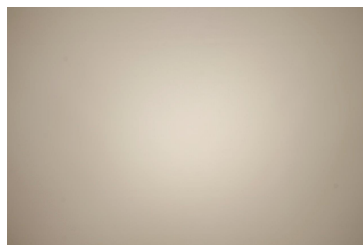
LED LUXEON XR-3535L (L202 - xxxx033C30001)
 FWHM / FWTM 59.0° / 108.0°
 Efficiency 93 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED MP-2016
 FWHM / FWTM 58.0° / 105.0°
 Efficiency 91 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

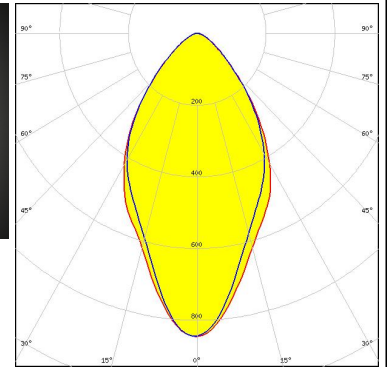


Light distribution files

OPTICAL RESULTS (MEASURED):



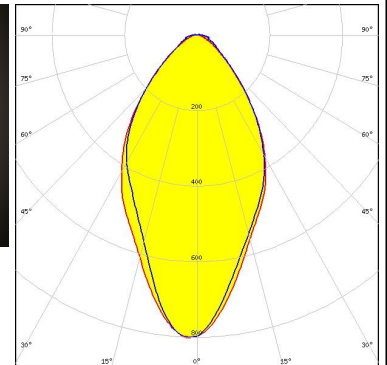
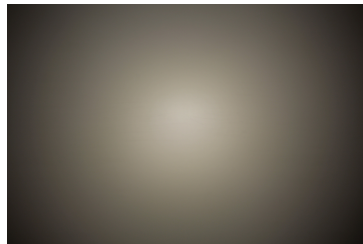
LED NF2x757D
FWHM / FWTM 58.0° / 107.0°
Efficiency 92 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



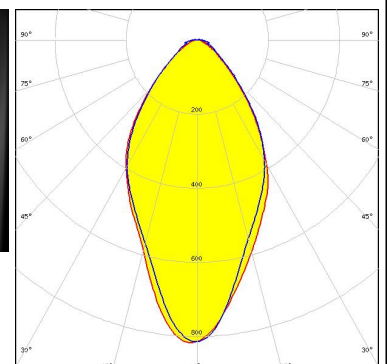
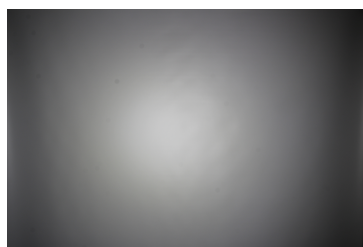
LED NFSW757H
FWHM / FWTM 58.0° / 110.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED PL-BAR-G3 1100 280x55
FWHM / FWTM 57.0° / 109.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

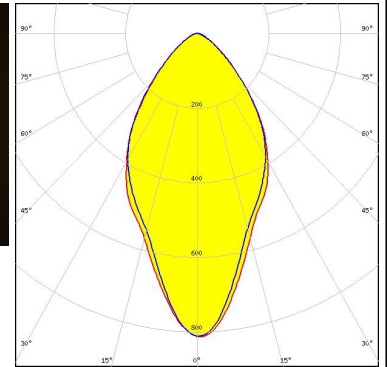
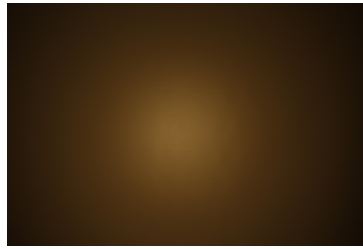


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM

LED PLG2-BAR-1100-xxx-280x55-DC
 FWHM / FWTM 57.0° / 108.0°
 Efficiency 88 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

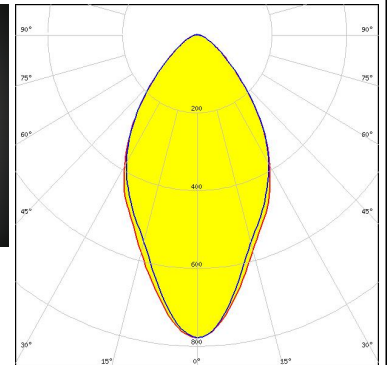
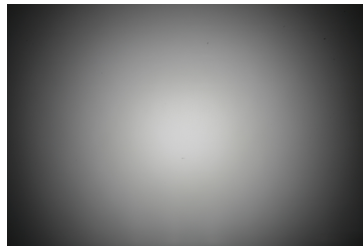


Light distribution files

OSRAM

Opto Semiconductors

LED Duris E5
 FWHM / FWTM 59.0° / 109.0°
 Efficiency 89 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

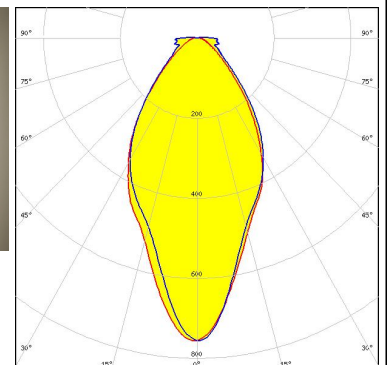
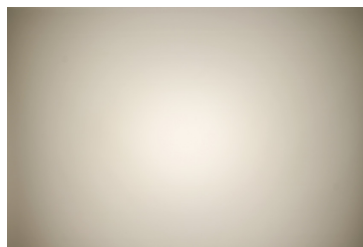


Light distribution files

OSRAM

Opto Semiconductors

LED Duris S2
 FWHM / FWTM 55.0° / 111.0°
 Efficiency 90 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

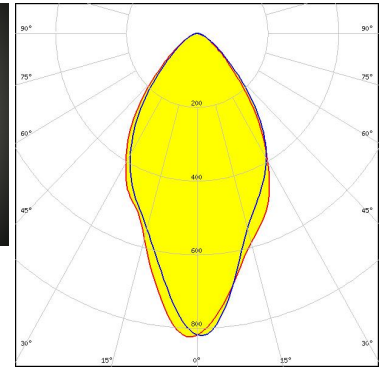
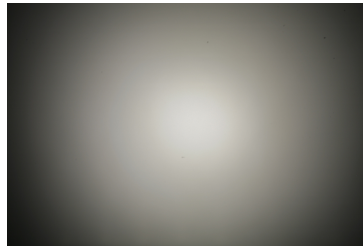


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

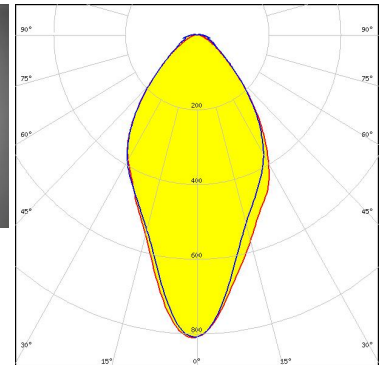
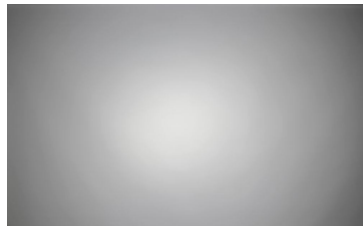
LED Duris S5 (Single chip)
 FWHM / FWTM 58.0° / 107.0°
 Efficiency 89 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

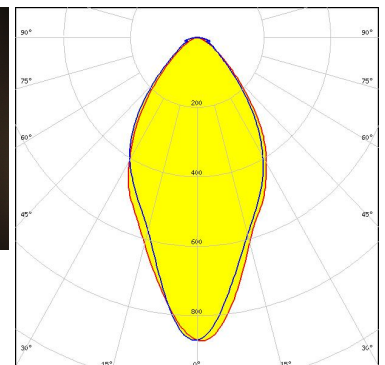
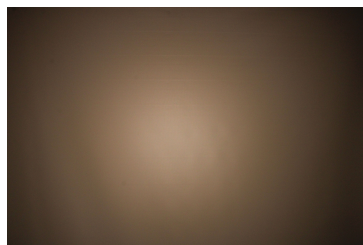
LED OSLOM Square CSSRM2/CSSRM3
 FWHM / FWTM 56.0° / 111.0°
 Efficiency 93 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

PHILIPS

LED Fortimo LED Line VO 1ft MF 3R HV5
 FWHM / FWTM 55.0° / 107.0°
 Efficiency 95 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

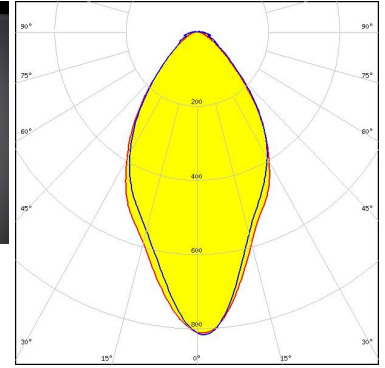


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

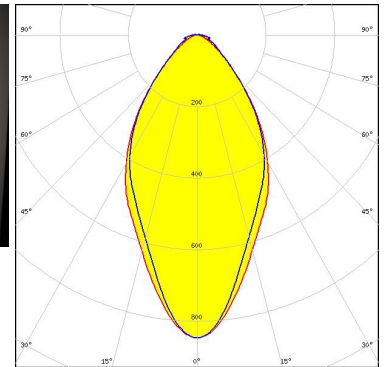
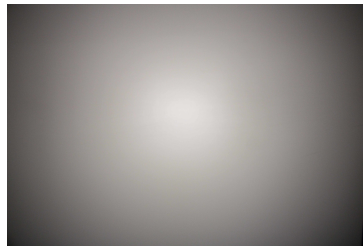
LED Fortimo LED Line 1ft 650lm 3R HV4 & LV4
FWHM / FWTM 58.0° / 108.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

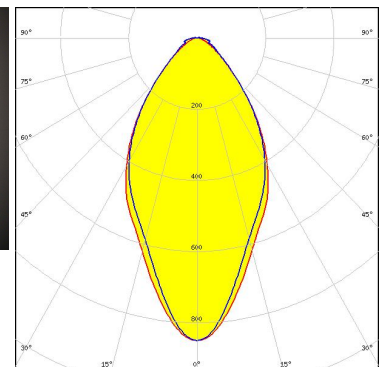
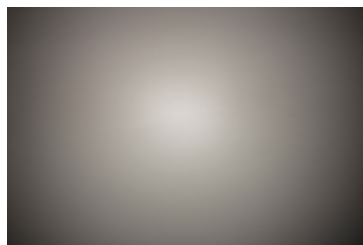
LED Fortimo LED Line 1ft HF 3R HV5
FWHM / FWTM 56.0° / 107.0°
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

LED Fortimo LED Line 1ft LF 3R HV5 & LV5
FWHM / FWTM 57.0° / 107.0°
Efficiency 95 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

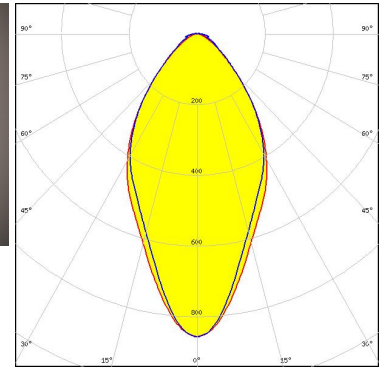


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

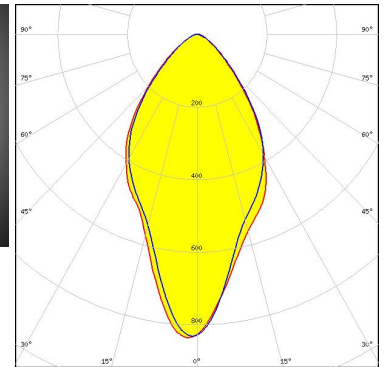
LED Fortimo LED Line 1ft MF 3R HV5 & LV5
FWHM / FWTM 56.0° / 108.0°
Efficiency 95 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

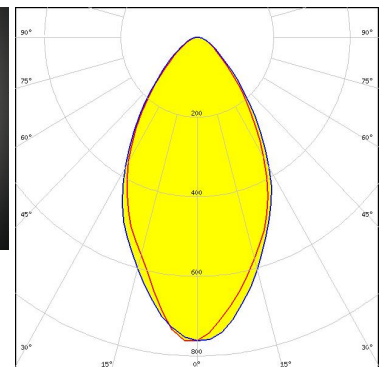
LED LM231 A/B
FWHM / FWTM 56.0° / 107.0°
Efficiency 89 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LM362A
FWHM / FWTM 59.0° / 107.0°
Efficiency 85 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

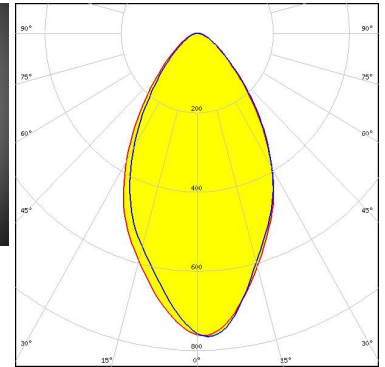
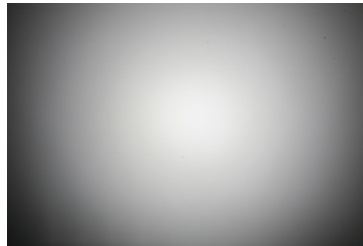


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

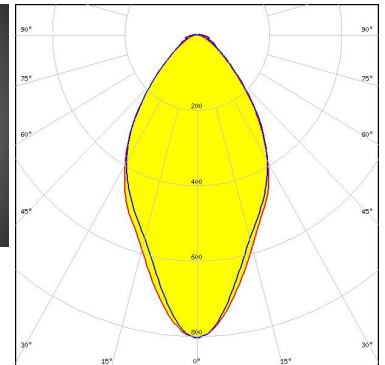
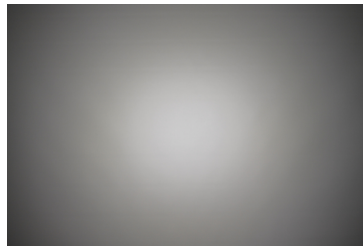
LED LM561B
FWHM / FWTM 59.0° / 108.0°
Efficiency 86 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

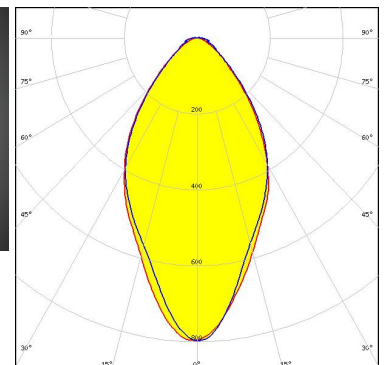
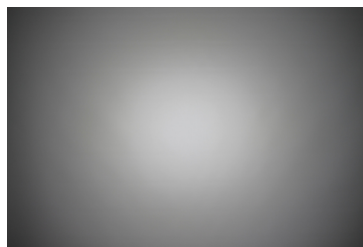
LED LM561B Plus
FWHM / FWTM 59.0° / 109.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LM561C
FWHM / FWTM 59.0° / 110.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

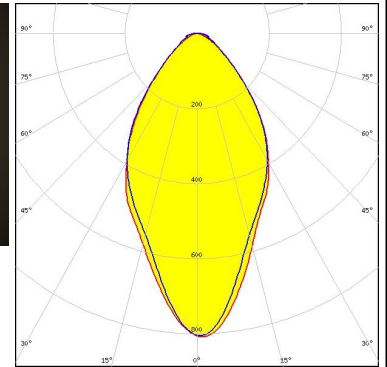
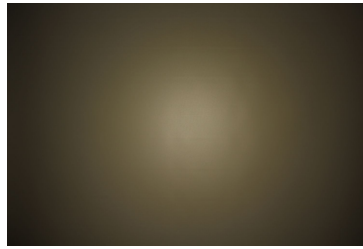


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

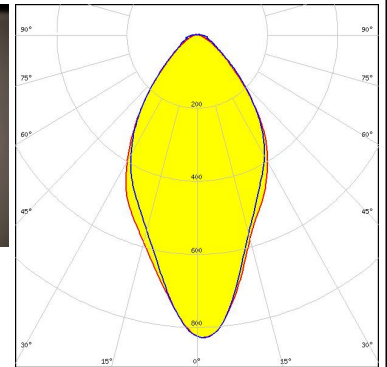
LED LT-R286A
FWHM / FWTM 58.0° / 110.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



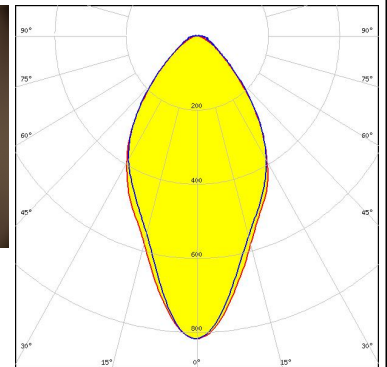
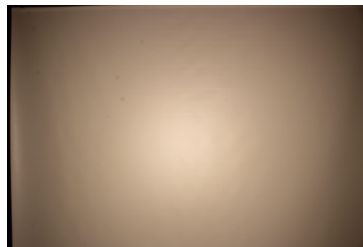
LED SEOUL 3030
FWHM / FWTM 56.0° / 108.0°
Efficiency 92 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files


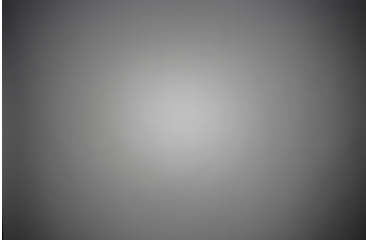
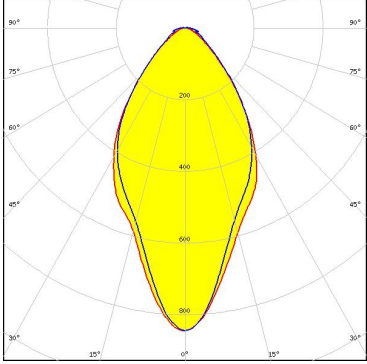


LED SEOUL 5630C
FWHM / FWTM 57.0° / 109.0°
Efficiency 92 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



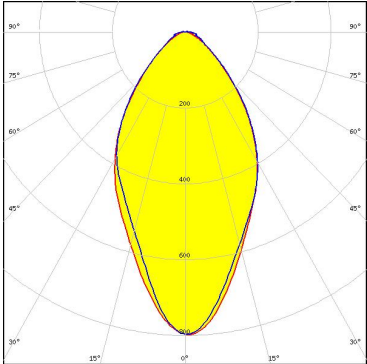


Light distribution files

OPTICAL RESULTS (MEASURED):

| | | | |
|--|-------------------------------|--|---|
|  SEOUL SEMICONDUCTOR | |  |  |
| LED | SEOUL DC 3030 | | |
| FWHM / FWTM | 59.0 + 55.0° / 106.0 + 108.0° | | |
| Efficiency | 93 % | | |
| Peak intensity | 0.9 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour/type | White | | |
| Required components: | | | |

Light distribution files

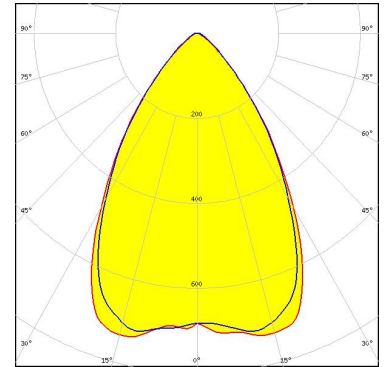
| | | | |
|--|------------------------|--|---|
|  | |  |  |
| LED | LLE G2 55x280mm 2000lm | | |
| FWHM / FWTM | 58.0° / 111.0° | | |
| Efficiency | 93 % | | |
| Peak intensity | 0.8 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour/type | White | | |
| Required components: | | | |

Light distribution files

OPTICAL RESULTS (SIMULATED):



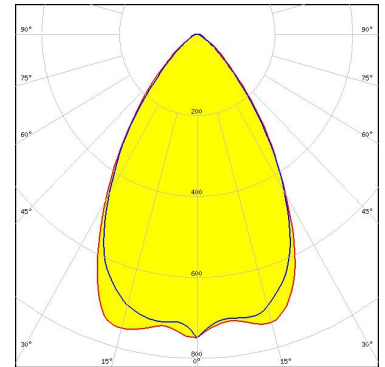
LED J Series 5050 Round LES
FWHM / FWTM 68.0° / 101.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



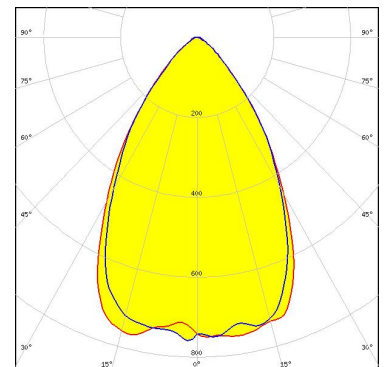
LED J Series 5050C 6V E Class
FWHM / FWTM 66.0° / 102.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

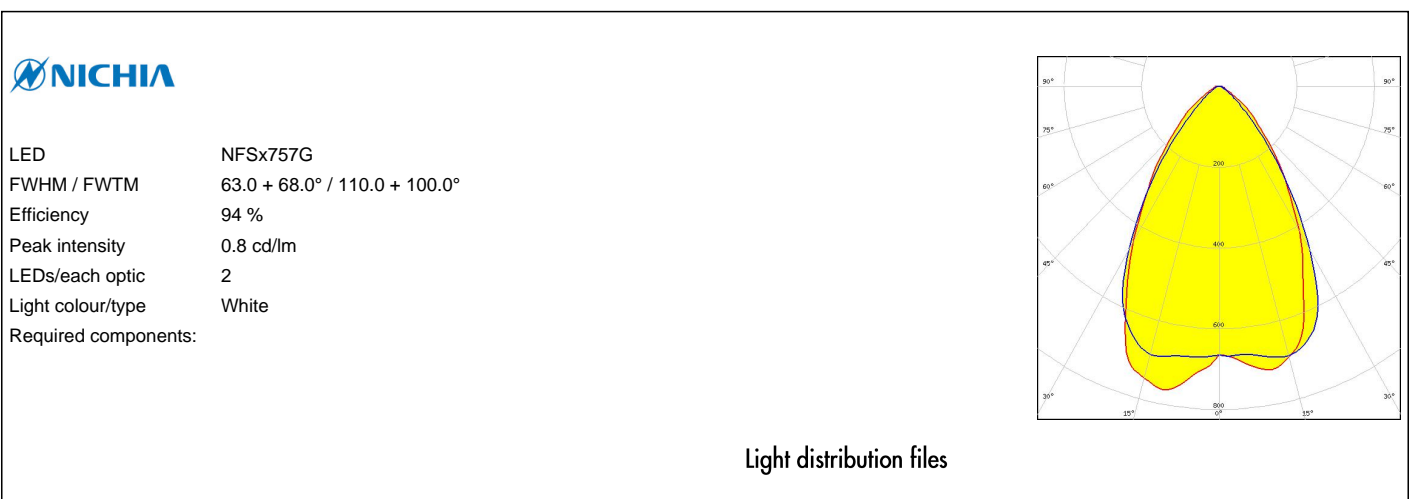
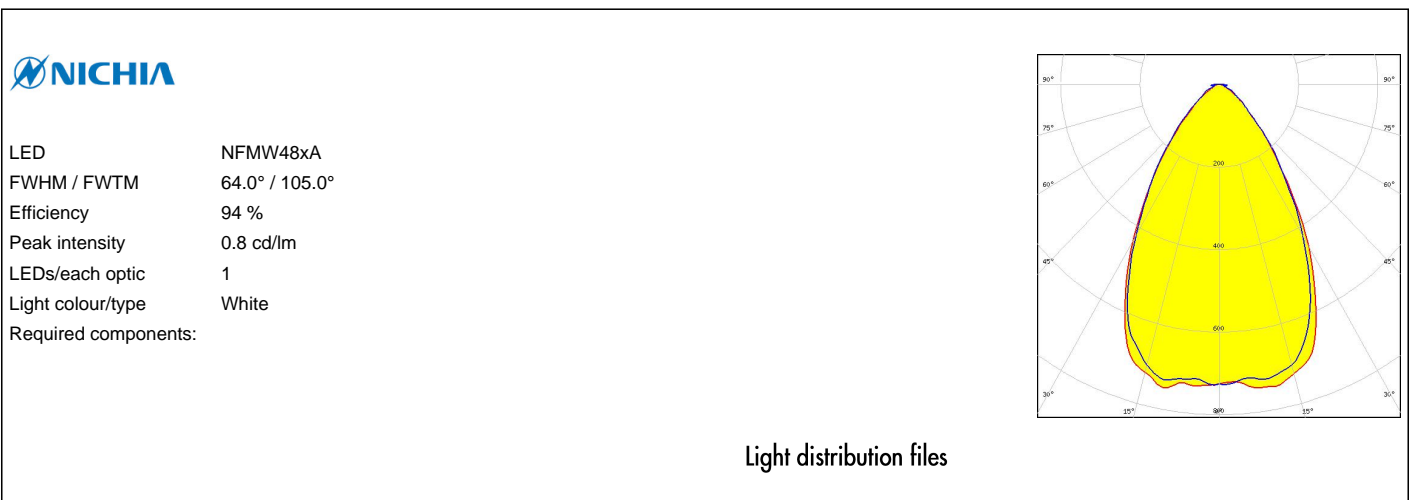
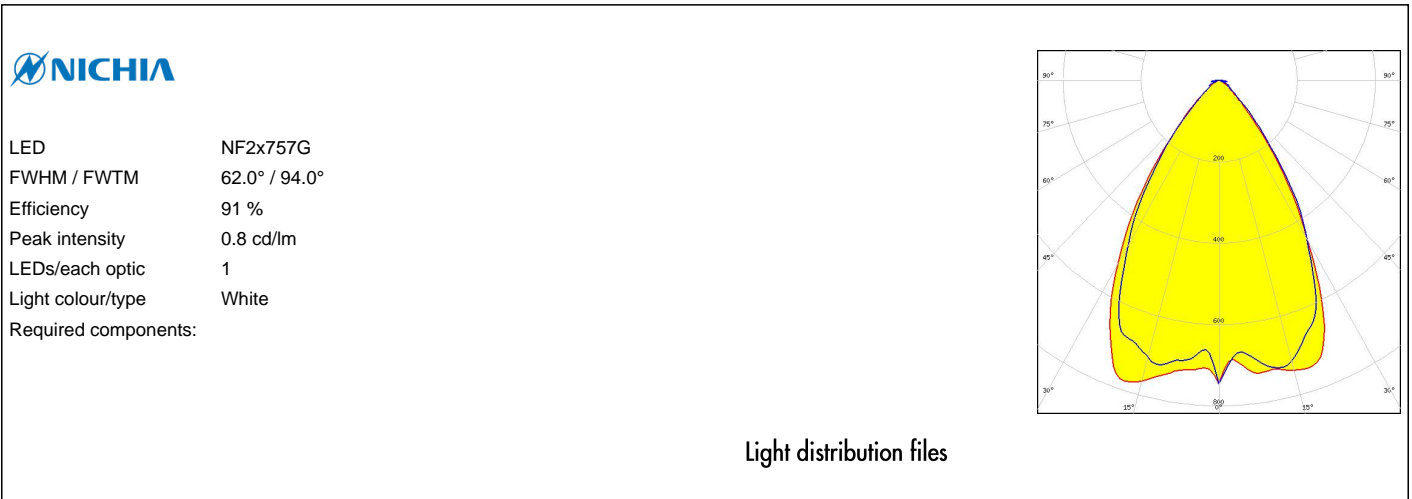


LED LUXEON 5050 Round LES
FWHM / FWTM 65.0° / 101.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

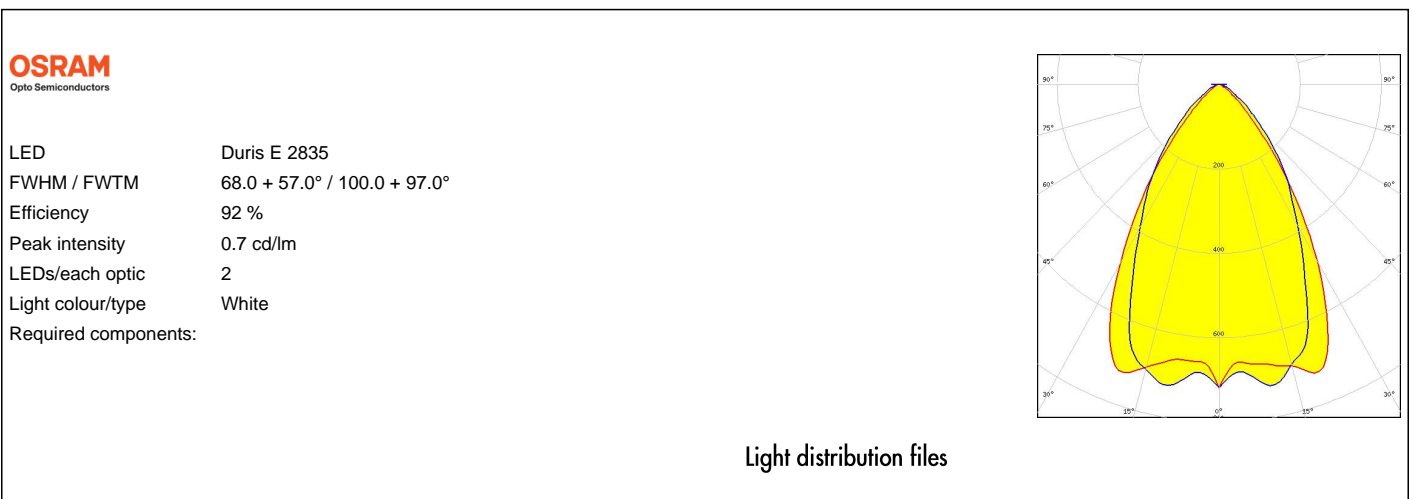
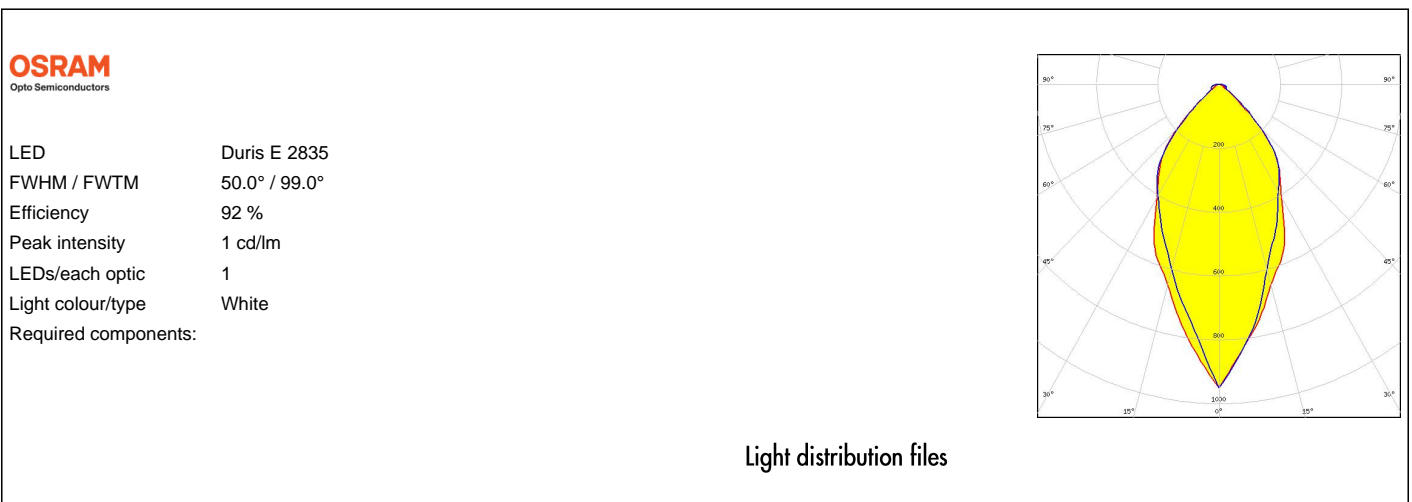
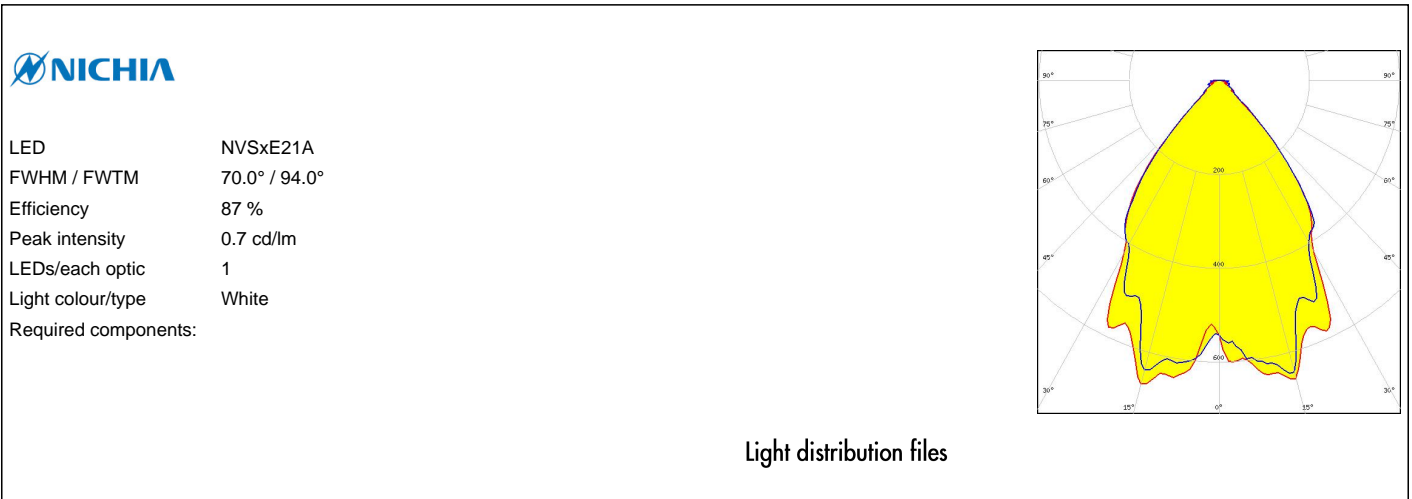


Light distribution files

OPTICAL RESULTS (SIMULATED):



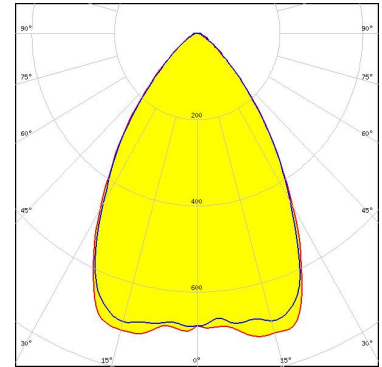
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

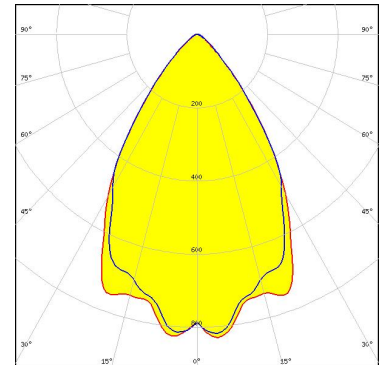
LED Duris S8
FWHM / FWTM 70.0° / 106.0°
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

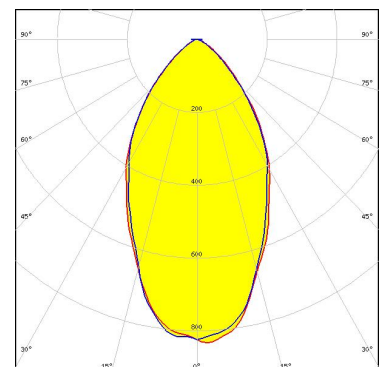
LED OSCONIQ C 2424
FWHM / FWTM 66.0° / 96.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351D
FWHM / FWTM 59.0° / 106.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

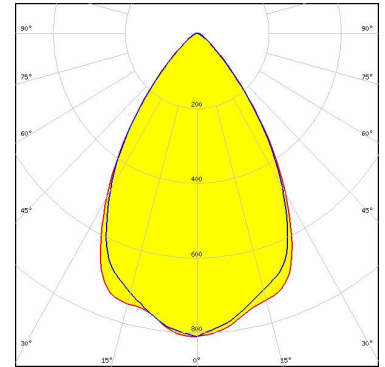


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

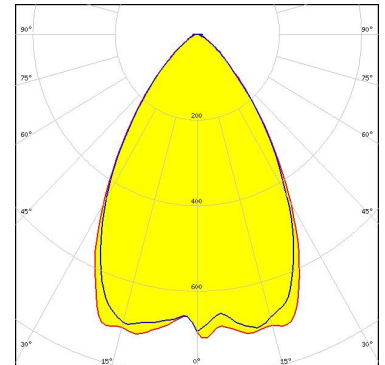
LED LM28xB Series
FWHM / FWTM 66.0° / 97.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

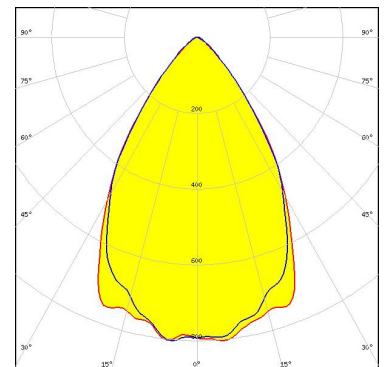
LED LM301B
FWHM / FWTM 68.0° / 106.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 2
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LM301B
FWHM / FWTM 66.0° / 98.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

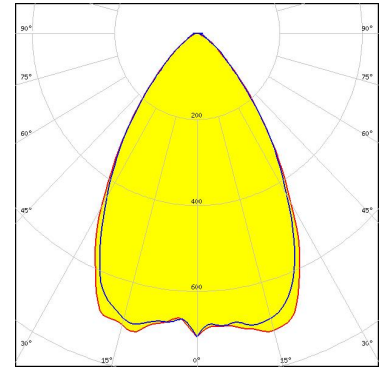


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

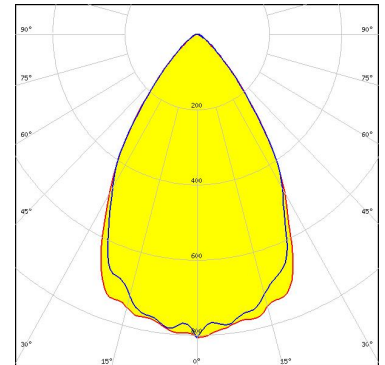
LED LM302Z plus
FWHM / FWTM 68.0° / 105.0°
Efficiency 93 %
Peak intensity 0.7 cd/lm
LEDs/each optic 2
Light colour/type White
Required components:



Light distribution files

SAMSUNG

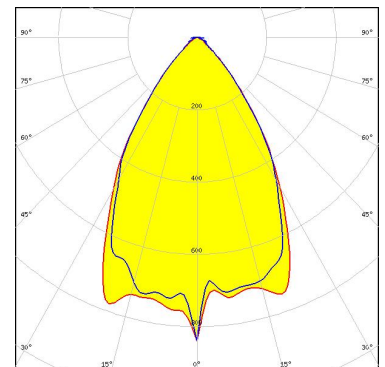
LED LM302Z plus
FWHM / FWTM 66.0° / 98.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files




LED SEOUL 5630D
FWHM / FWTM 65.0° / 95.0°
Efficiency 91 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

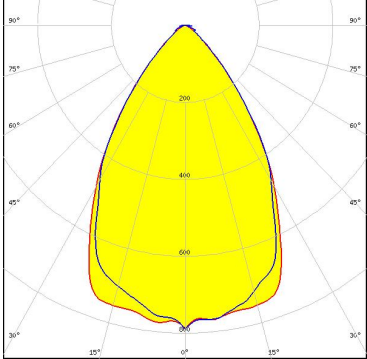


Light distribution files


OPTICAL RESULTS (SIMULATED):


SEOUL SEMICONDUCTOR

| | |
|----------------------|----------------|
| LED | SEOUL DC 3030C |
| FWHM / FWTM | 66.0° / 98.0° |
| Efficiency | 95 % |
| Peak intensity | 0.8 cd/lm |
| LEDs/each optic | 1 |
| 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

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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