

LINNEA-O

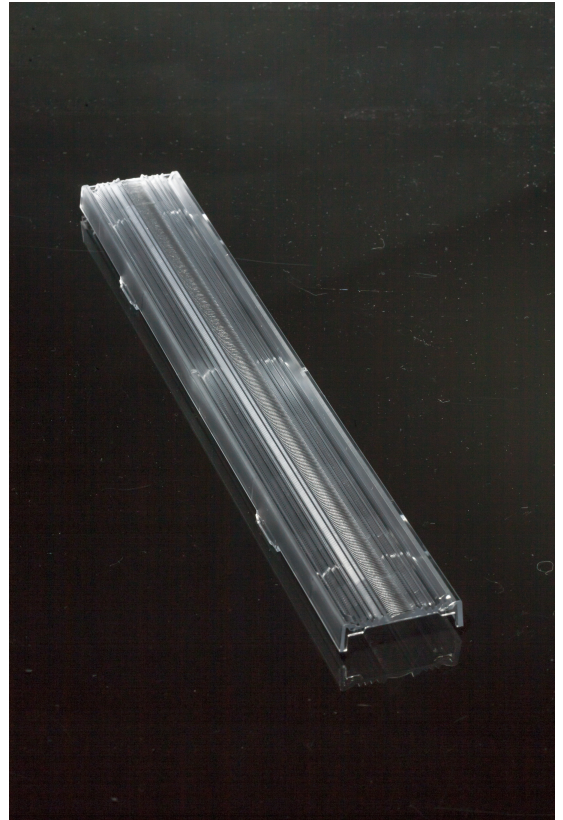
~35° + 70° oval beam optimized for 1.0 mm metal sheet or profile. Variant made from PC.

SPECIFICATION:

| | |
|----------------|--------------|
| Dimensions | 285.0 x 40.0 |
| Height | 10.5 mm |
| Fastening | pin |
| ROHS compliant | yes ⓘ |

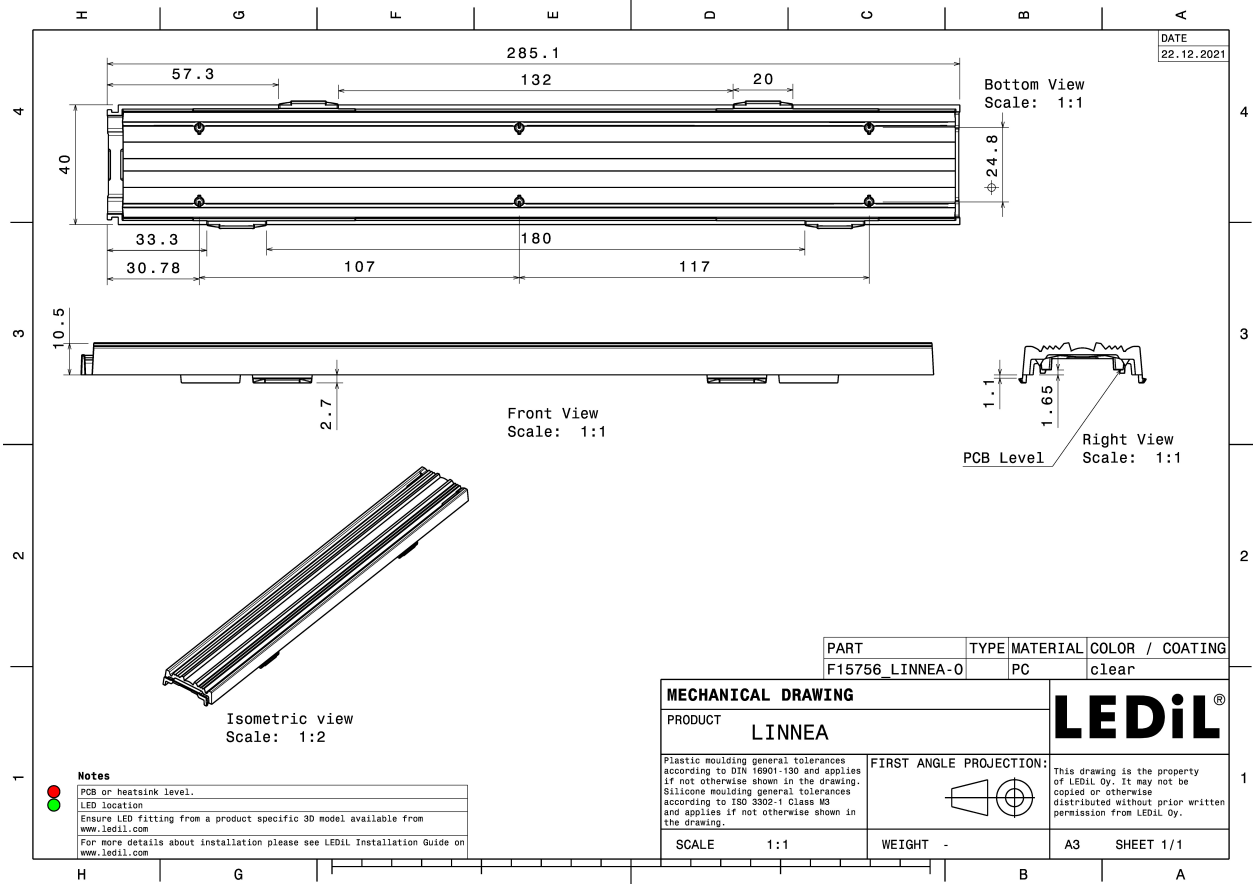
MATERIALS:

| Component | Type | Material | Colour | Finish | Length (mm) |
|-----------|-------------|----------|--------|--------|-------------|
| LINNEA-O | Linear lens | PC | clear | | |



ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|------------|-----|-----|-----------------|
| F15756_LINNEA-O » Box size: 398 x 298 x 265 mm | 153 | 36 | 9 | 8.0 |

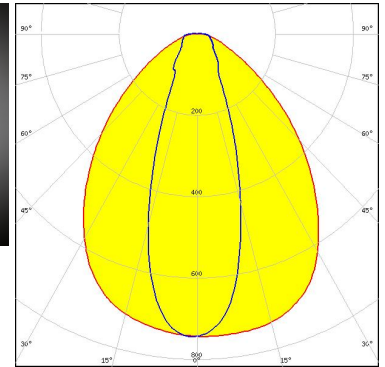
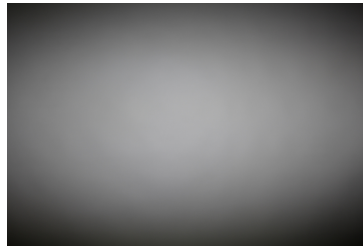


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



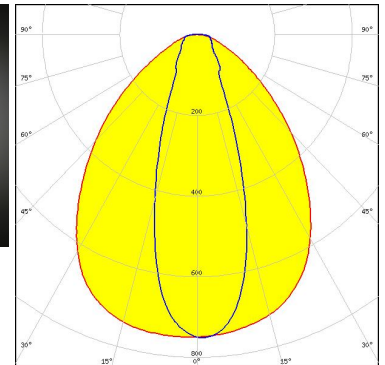
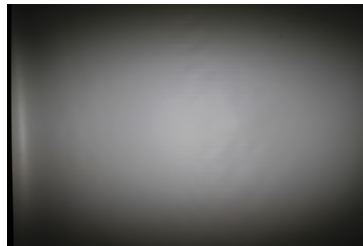
LED CALOSNU405-M7W1
 FWHM / FWTM 88.0 + 35.0° / 137.0 + 84.0°
 Efficiency 82 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



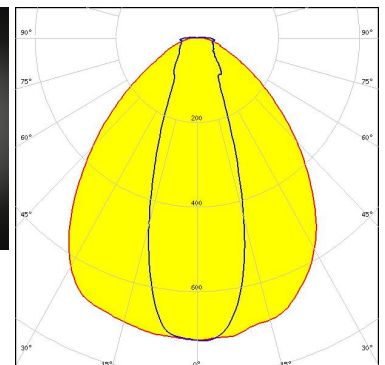
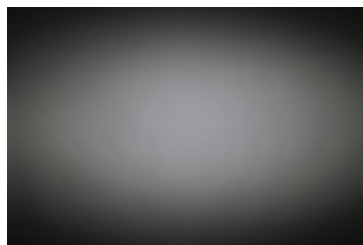
LED CALOSNU410-M7W1
 FWHM / FWTM 88.0 + 35.0° / 136.0 + 83.0°
 Efficiency 82 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-E
 FWHM / FWTM 90.0 + 35.0° / 138.0 + 86.0°
 Efficiency 81 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

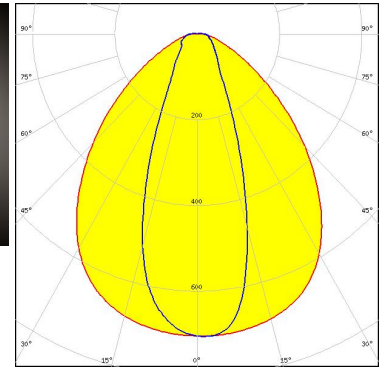
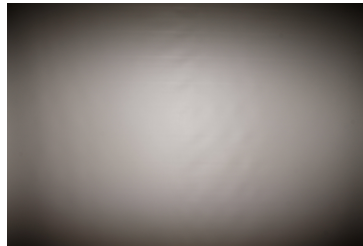


Light distribution files

OPTICAL RESULTS (MEASURED):

Helvar

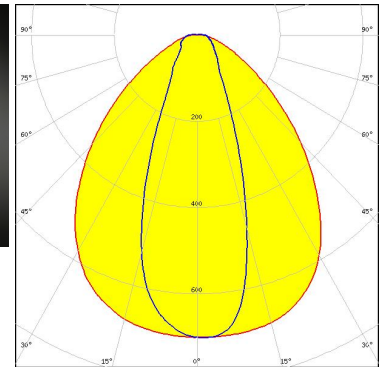
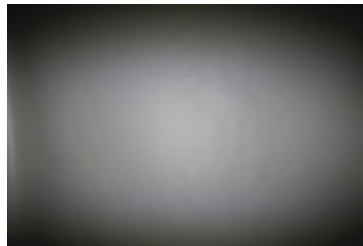
LED L-iC-282-827-865-011A
 FWHM / FWTM 91.0 + 39.0° / 139.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

Helvar

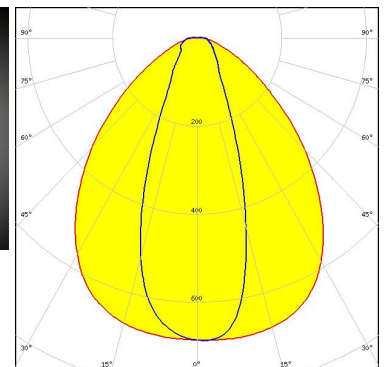
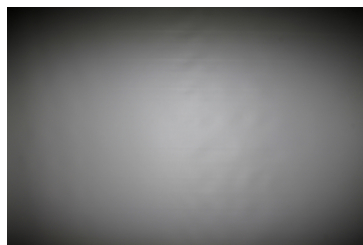
LED LP-282-840-009A 60/300
 FWHM / FWTM 91.0 + 39.0° / 139.0 + 85.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

Helvar

LED LS-282-840-011A
 FWHM / FWTM 92.0 + 39.0° / 140.0 + 86.0°
 Efficiency 82 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

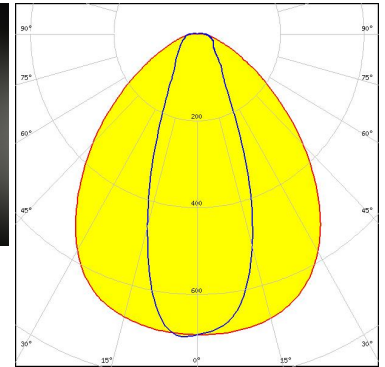
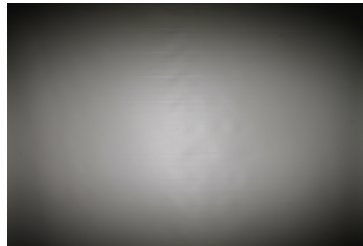


Light distribution files

OPTICAL RESULTS (MEASURED):

Helvar

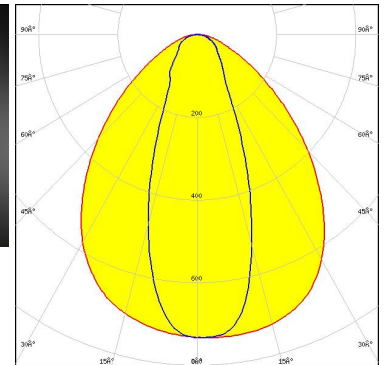
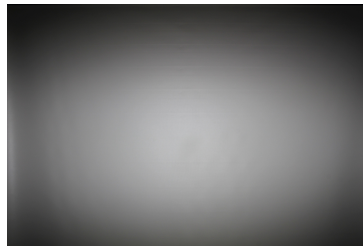
LED LX-282-840-023A
 FWHM / FWTM 91.0 + 39.0° / 139.0 + 86.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

inventronics

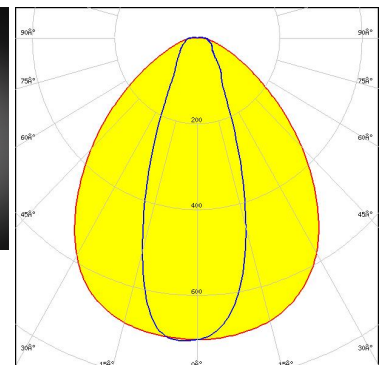
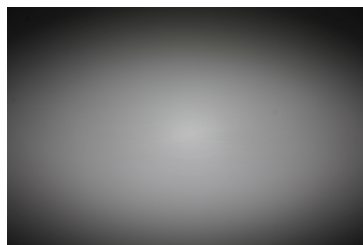
LED PL-LIN-IND-Z1 2800 560x24
 FWHM / FWTM 91.0 + 39.0° / 140.0 + 94.0°
 Efficiency 87 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

inventronics

LED PL-LIN-Z5 1100 280x20
 FWHM / FWTM 91.0 + 38.0° / 139.0 + 85.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

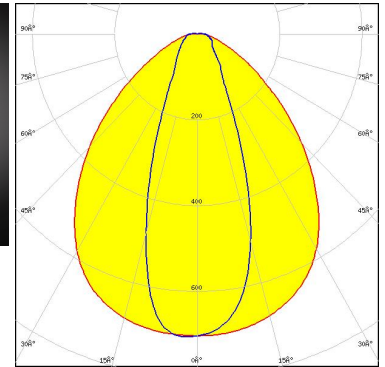


Light distribution files

OPTICAL RESULTS (MEASURED):

inventronics

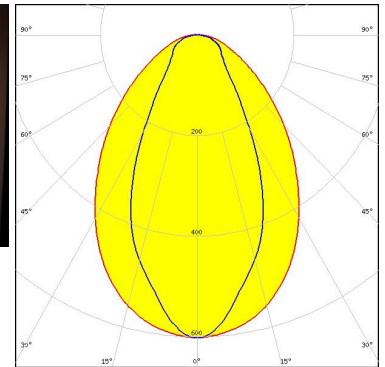
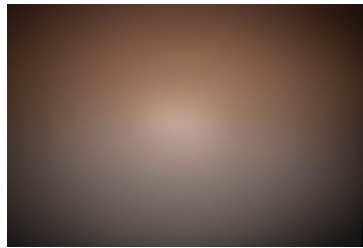
LED PL-LIN-Z5 2000 280x20
 FWHM / FWTM 92.0 + 39.0° / 140.0 + 85.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

LUMITRONIX[®]
 High-Performance LED-Technologies & Solutions

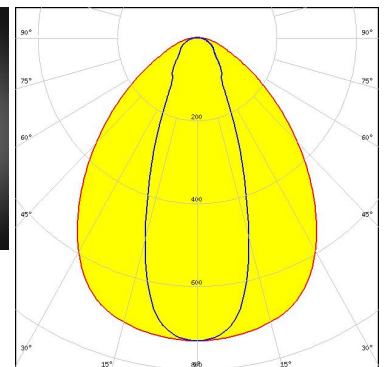
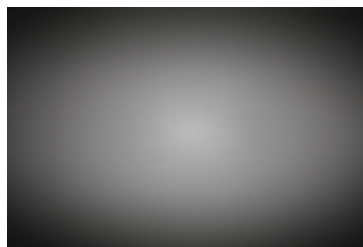
LED LinearZ 280-112 Circadian TW
 FWHM / FWTM 81.0 + 56.0° / 142.0 + 111.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:



Light distribution files

LUMITRONIX[®]
 High-Performance LED-Technologies & Solutions

LED LinearZ 280-26
 FWHM / FWTM 89.0 + 39.0° / 140.0 + 89.0°
 Efficiency 84 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

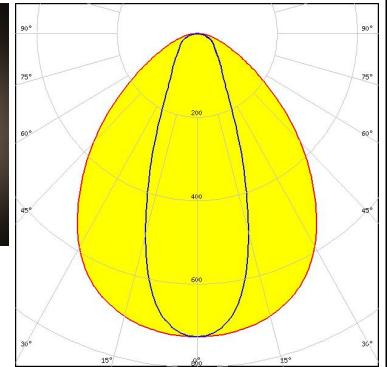
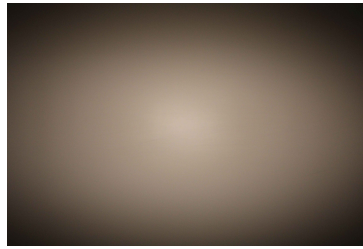


Light distribution files

OPTICAL RESULTS (MEASURED):



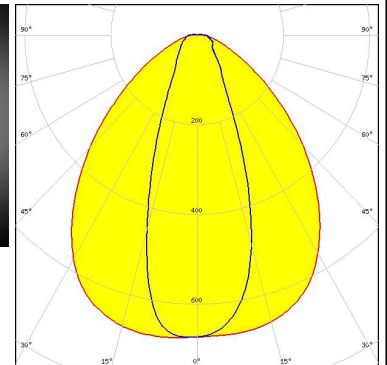
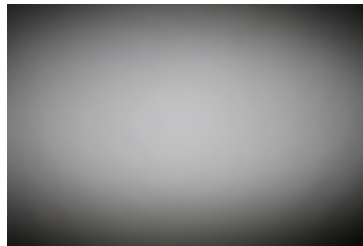
LED LinearZ 280-40 TW
FWHM / FWTM 90.0 + 38.0° / 140.0 + 89.0°
Efficiency 84 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:



Light distribution files



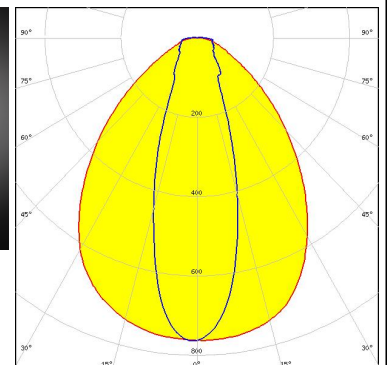
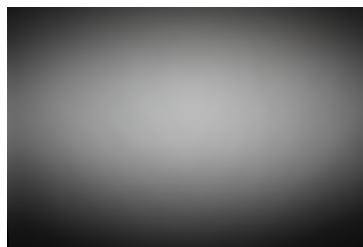
LED LinLED 280x24mm 1100lm 830 2C 30V LINNEA-GC G1
FWHM / FWTM 91.0 + 39.0° / 139.0 + 84.0°
Efficiency 82 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NF2x757G
FWHM / FWTM 86.0 + 33.0° / 136.0 + 84.0°
Efficiency 82 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

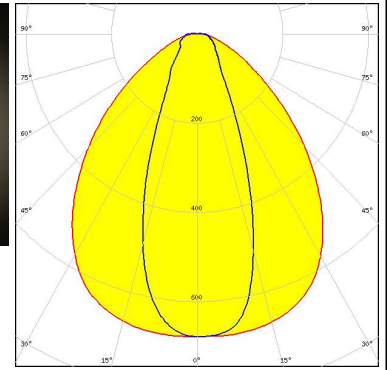


Light distribution files

OPTICAL RESULTS (MEASURED):



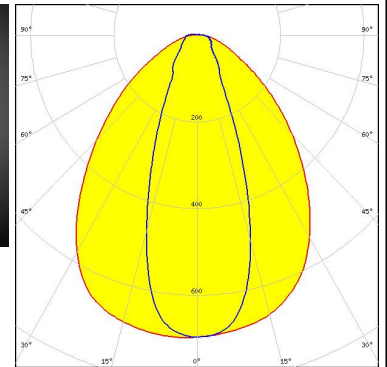
LED NFSW757H
FWHM / FWTM 92.0 + 41.0° / 140.0 + 89.0°
Efficiency 85 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



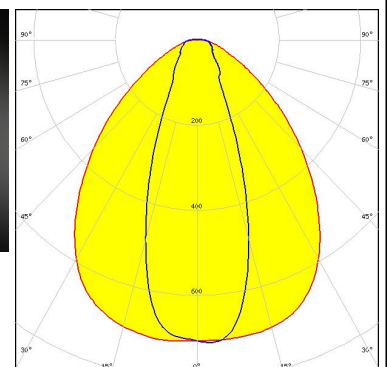
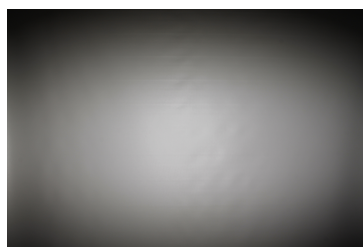
LED NFSx757G
FWHM / FWTM 87.0 + 38.0° / 140.0 + 85.0°
Efficiency 81 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED DURIS S5 (2 chip)
FWHM / FWTM 90.0 + 38.0° / 138.0 + 86.0°
Efficiency 83 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

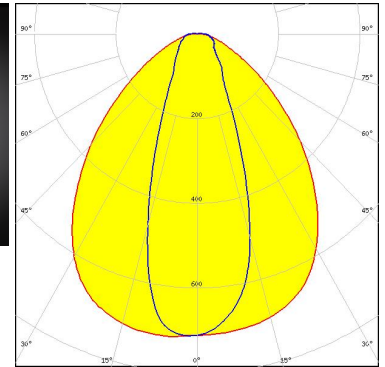
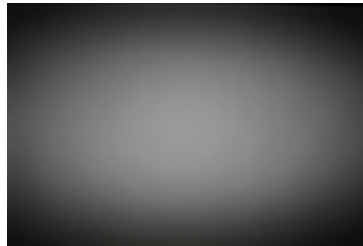


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

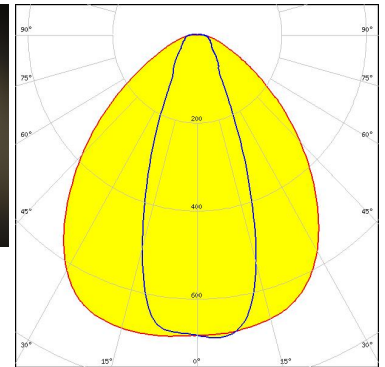
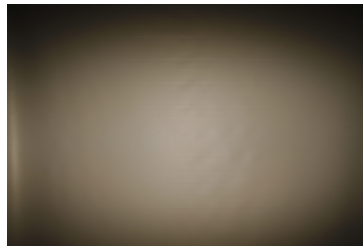
LED DURIS S5 (Single chip)
FWHM / FWTM 91.0 + 38.0° / 139.0 + 88.0°
Efficiency 85 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

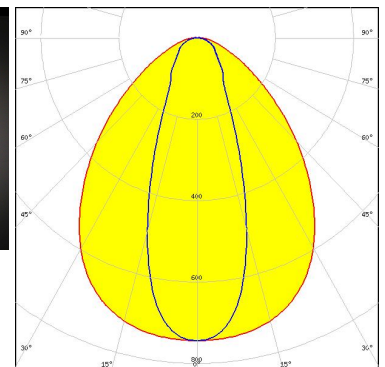
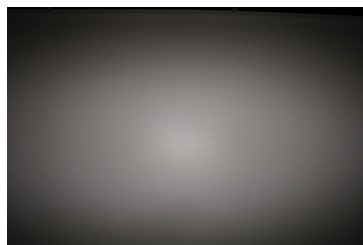
LED Fortimo LED Strip 1ft 1100lm FC HV4 & LV4
FWHM / FWTM 92.0 + 40.0° / 140.0 + 85.0°
Efficiency 83 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

LED Fortimo LED Strip 1ft 1100lm FC HV5 & LV5
FWHM / FWTM 89.0 + 38.0° / 140.0 + 92.0°
Efficiency 86 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

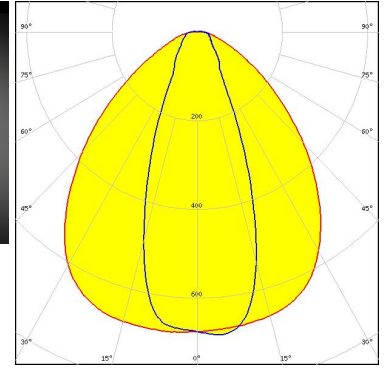
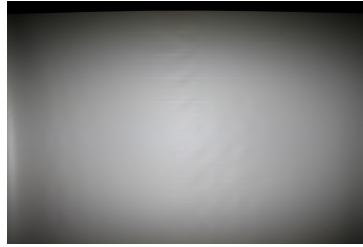


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

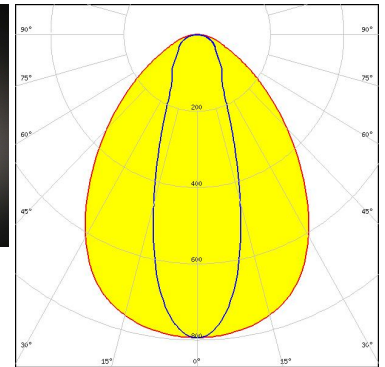
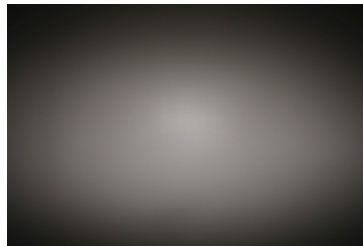
LED Fortimo LED Strip 1ft 650lm FC HV4 & LV4
FWHM / FWTM 93.0 + 40.0° / 140.0 + 85.0°
Efficiency 83 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

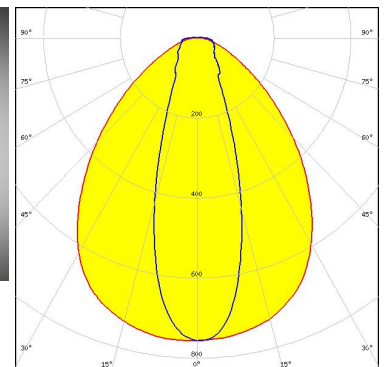
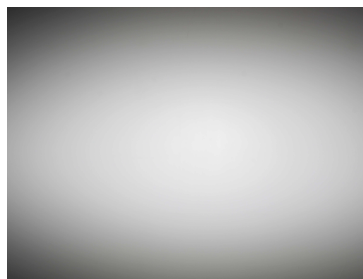
LED Fortimo LED Strip 1ft 650lm FC HV5 & LV5
FWHM / FWTM 85.0 + 33.0° / 136.0 + 90.0°
Efficiency 85 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LM28xB Series
FWHM / FWTM 88.0 + 33.0° / 137.0 + 84.0°
Efficiency 83 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

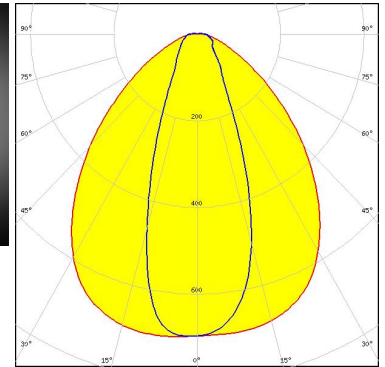
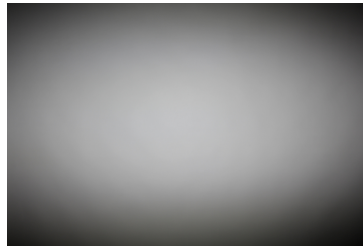


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

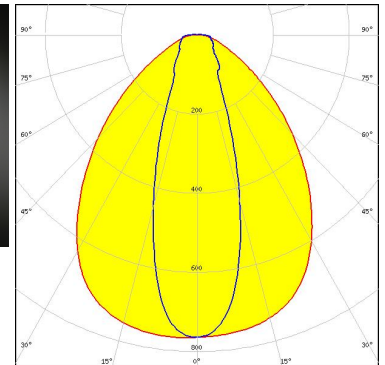
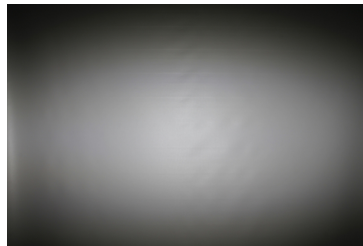
LED LM561B Plus
FWHM / FWTM 91.0 + 39.0° / 139.0 + 84.0°
Efficiency 82 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

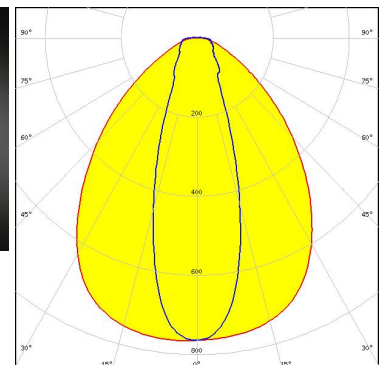
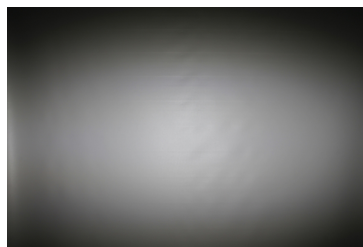
LED LT-H282C
FWHM / FWTM 88.0 + 33.0° / 136.0 + 84.0°
Efficiency 83 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LT-H562C
FWHM / FWTM 88.0 + 33.0° / 136.0 + 84.0°
Efficiency 83 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

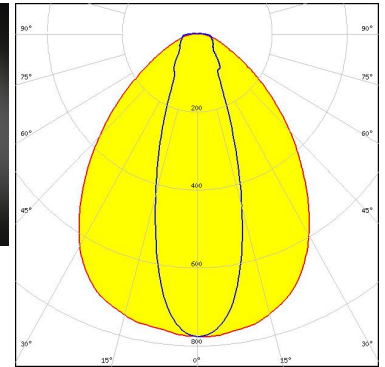
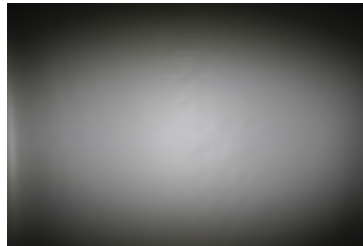


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

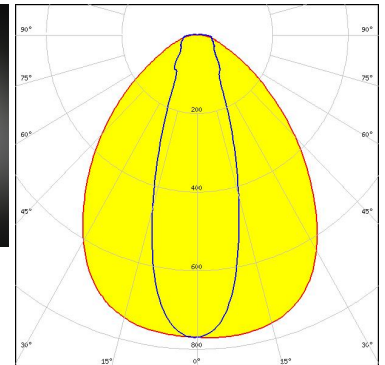
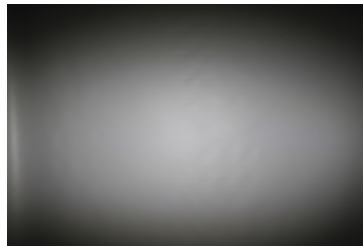
LED LT-Q282B
 FWHM / FWTM 86.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

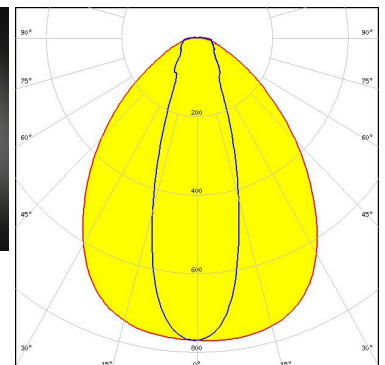
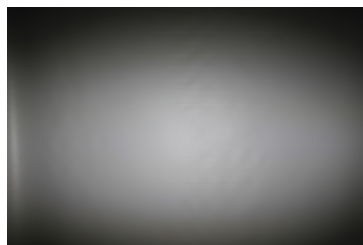
LED LT-S282H
 FWHM / FWTM 87.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

LED LT-S562H
 FWHM / FWTM 87.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:

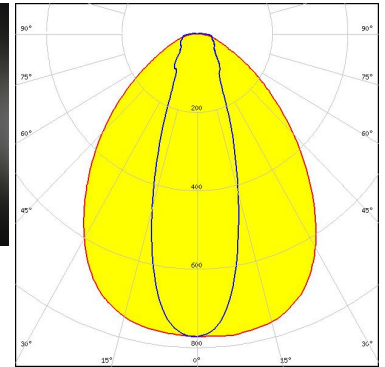
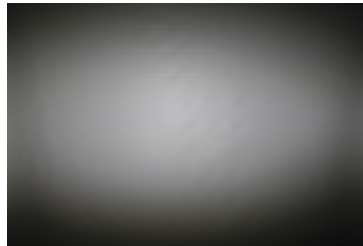


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

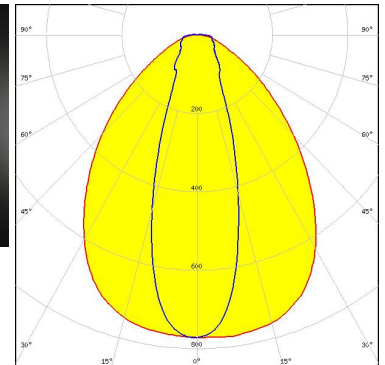
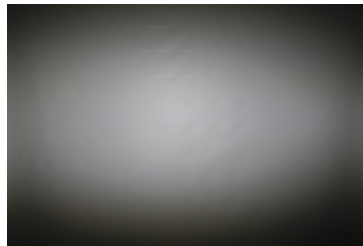
LED LT-V282E
 FWHM / FWTM 87.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

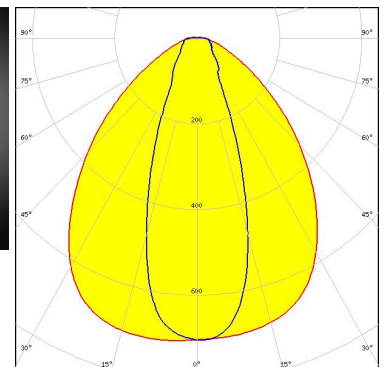
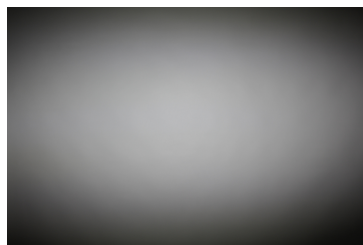
LED LT-V562E
 FWHM / FWTM 87.0 + 33.0° / 136.0 + 84.0°
 Efficiency 83 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

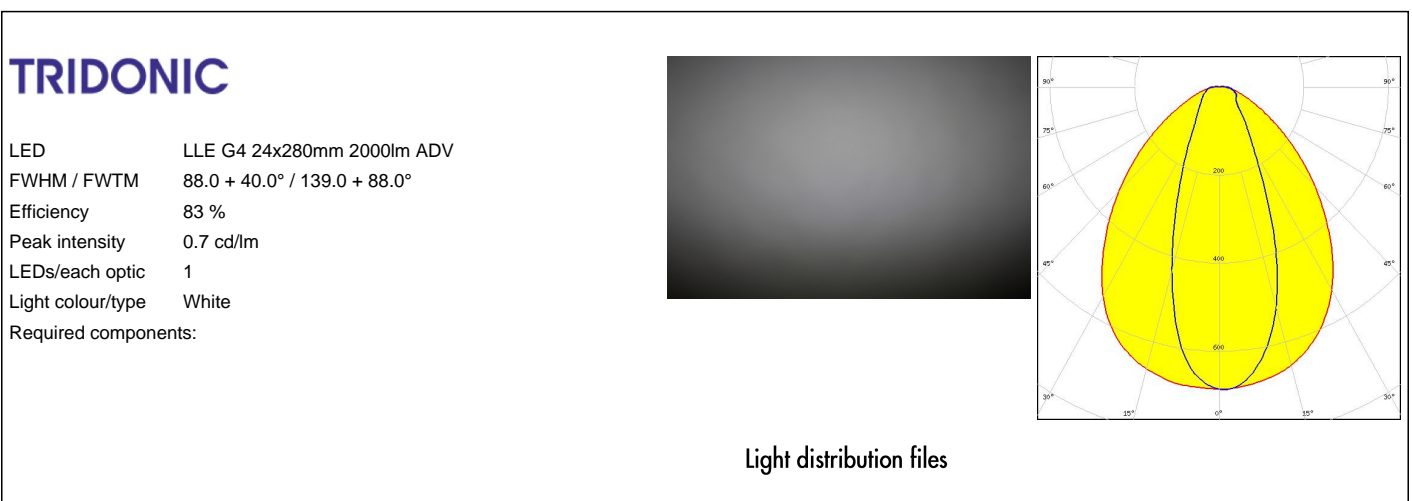
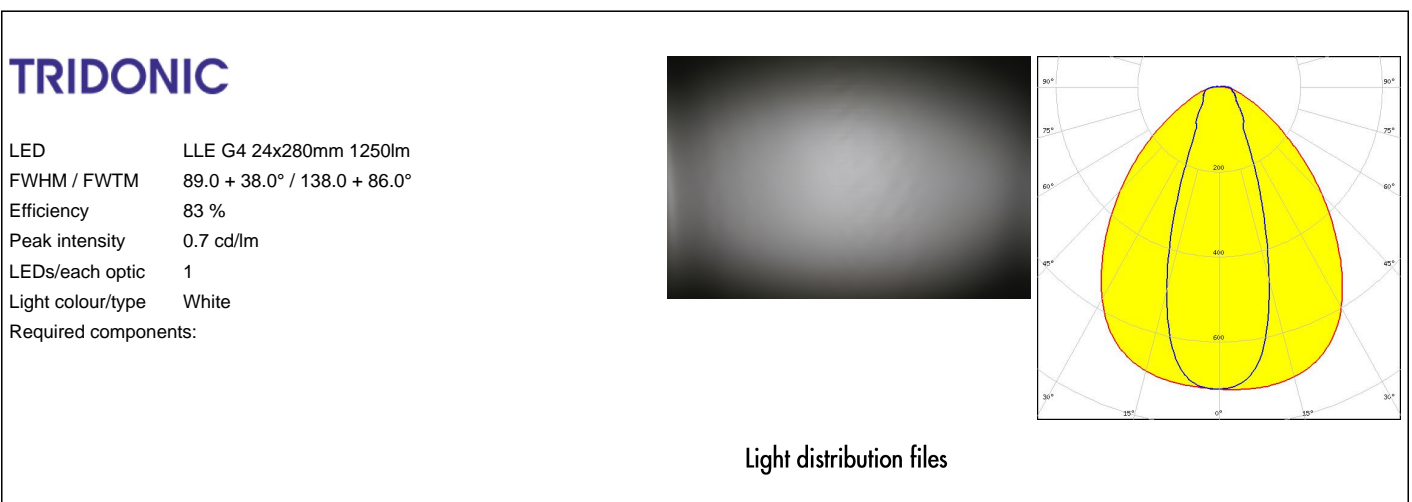
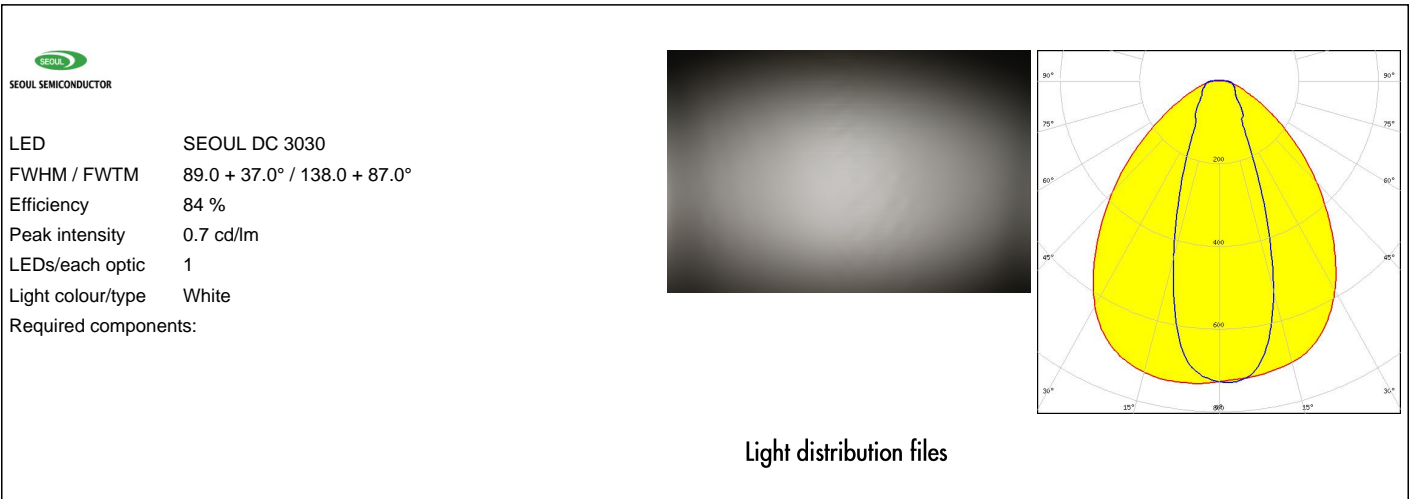


LED SEOUL 5630D
 FWHM / FWTM 91.0 + 38.0° / 139.0 + 86.0°
 Efficiency 82 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

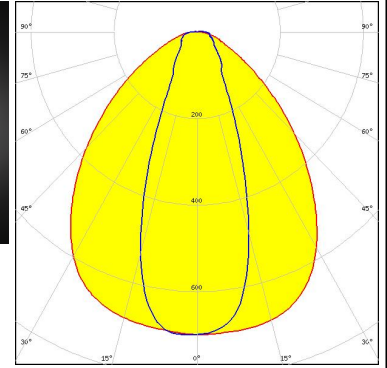
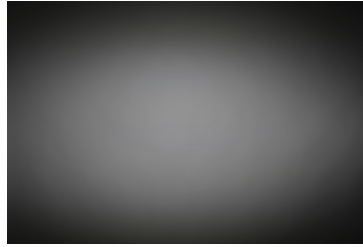
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

TRIDONIC

LED LLE G4 24x280mm 650lm
FWHM / FWTM 90.0 + 39.0° / 138.0 + 87.0°
Efficiency 84 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

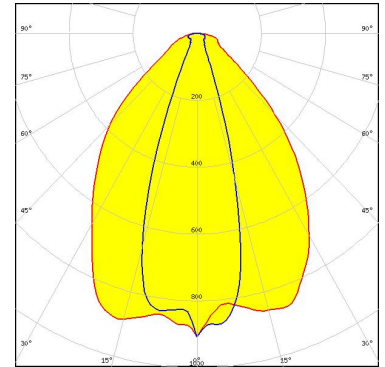


Light distribution files

OPTICAL RESULTS (SIMULATED):



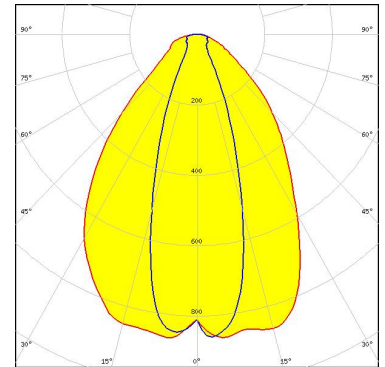
LED Bridgelux SMD 2835
FWHM / FWTM 82.0 + 33.0° / 125.0 + 52.0°
Efficiency 79 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



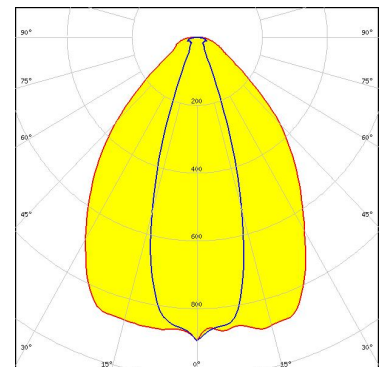
LED NF2x757G
FWHM / FWTM 34.0 + 75.0° / 60.0 + 128.0°
Efficiency 83 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files




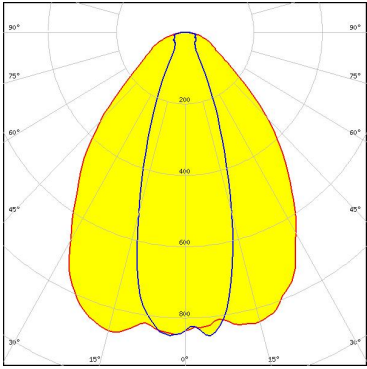
LED NF2x757G
FWHM / FWTM 81.0 + 34.0° / 125.0 + 52.0°
Efficiency 78 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):

| | |
|--|------------------------------|
|  SEOUL SEMICONDUCTOR | |
| LED | SEOUL DC 3030C |
| FWHM / FWTM | 82.0 + 34.0° / 134.0 + 60.0° |
| Efficiency | 84 % |
| Peak intensity | 0.9 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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