

TINA2-D

~16° diffused spot beam. Assembly with holder, installation tape and location pins.

SPECIFICATION:

Dimensions	Ø 16.0
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

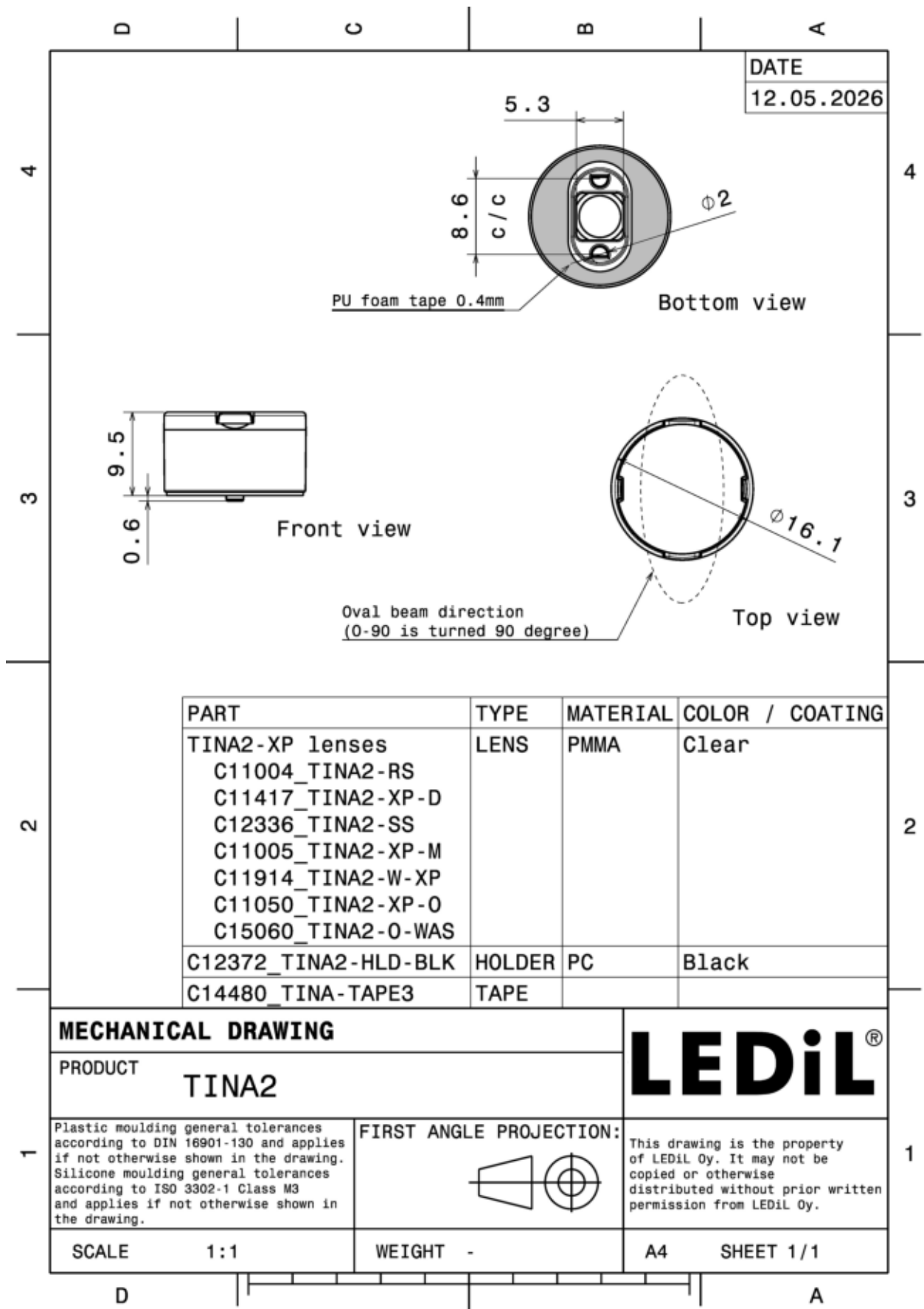


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA2-HLD-BLK » Box size: 480 x 280 x 300 mm	Holder	PC	black		
TINA2-XP-D » Box size: 254 x 298 x 241 mm	Single lens	PMMA	clear		
TINA-TAPE3	Tape	Acryl tape	black		

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
C11417_TINA2-XP-D	Single lens	4140	230	230	8.1
C12372_TINA2-HLD-BLK	Holder	4140	230	230	8.1
C14480_TINA-TAPE3	Tape	4140	230	230	8.1

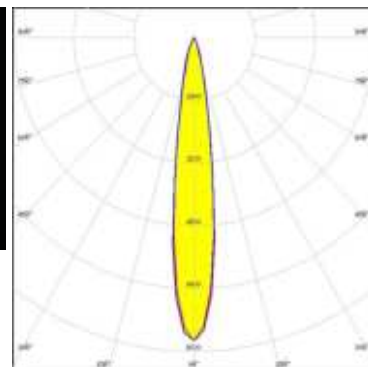
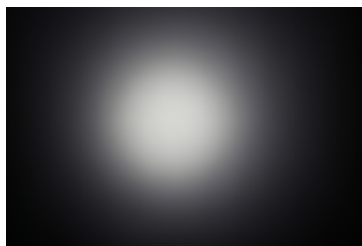


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



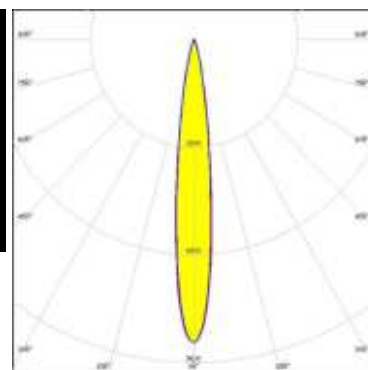
LED XB-H
FWHM / FWTM 16.0° / 34.0°
Efficiency 86 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XD16
FWHM / FWTM 14.0° / 29.0°
Efficiency 82 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON Z ES
FWHM / FWTM 12.0° / 27.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

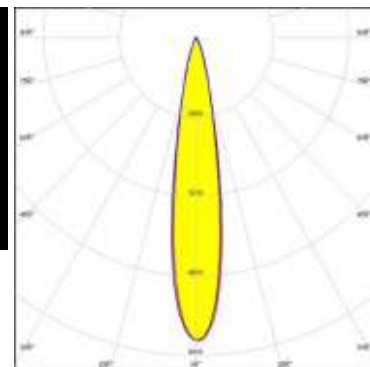


Light distribution files

OPTICAL RESULTS (MEASURED):



LED NVSxx19B/NVSxx19C
FWHM / FWTM 18.0° / 36.0°
Efficiency 87 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

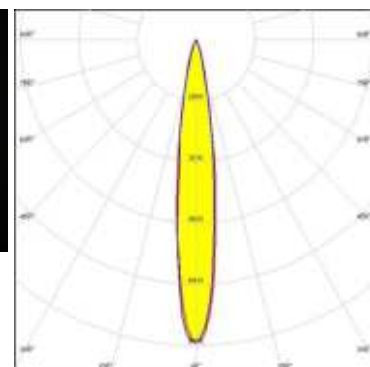
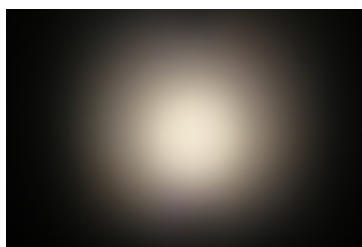


LED OSLOM Square EC
FWHM / FWTM 16.0° / 34.0°
Efficiency 87 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



LED OSLOM Square EC
FWHM / FWTM 16.0° / 33.0°
Efficiency 82 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

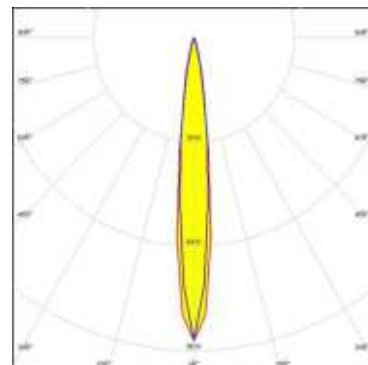


LED OSLON Square PC
FWHM / FWTM 13.0° / 32.0°
Efficiency 87 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



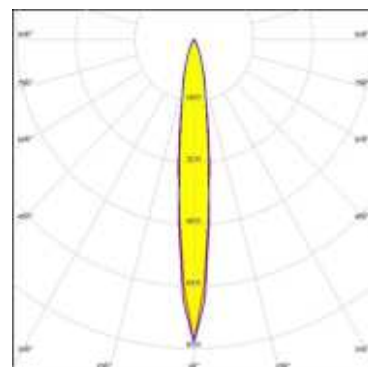
LED OSLON SSL 150
FWHM / FWTM 14.0° / 28.0°
Efficiency 89 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSLON SSL 80
FWHM / FWTM 12.0° / 35.0°
Efficiency 87 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):



LED SFH 4170S
FWHM / FWTM 8.0° / 20.0°
Efficiency %
LEDs/each optic 1
Light colour/type IR
Required components:

Light distribution files

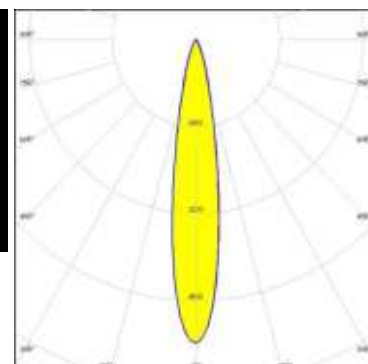


LED SFH 4180S
FWHM / FWTM 8.0° / 20.0°
Efficiency %
LEDs/each optic 1
Light colour/type IR
Required components:

Light distribution files



LED Z5M3
FWHM / FWTM 18.0° / 38.0°
Efficiency 86 %
Peak intensity 5.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

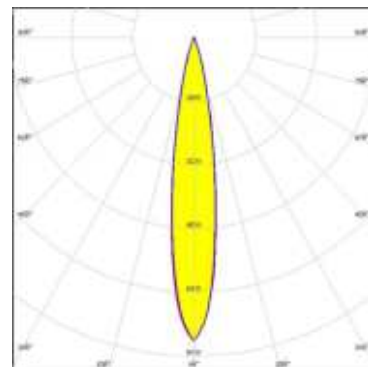


Light distribution files

OPTICAL RESULTS (SIMULATED):



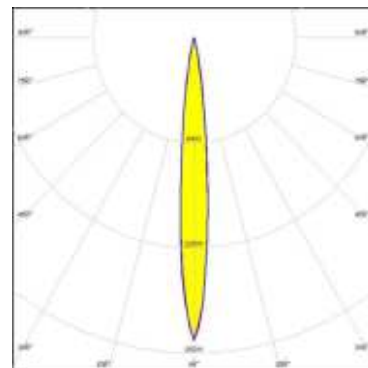
LED XB-D
FWHM / FWTM 18.0° / 34.0°
Efficiency 88 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



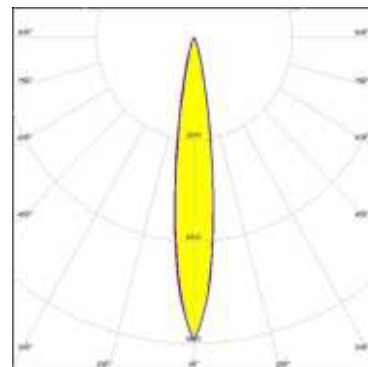
LED XQ-E HI
FWHM / FWTM 11.0° / 23.0°
Efficiency 91 %
Peak intensity 18.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 2835 Architectural
FWHM / FWTM 15.0° / 31.0°
Efficiency 96 %
Peak intensity 9.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

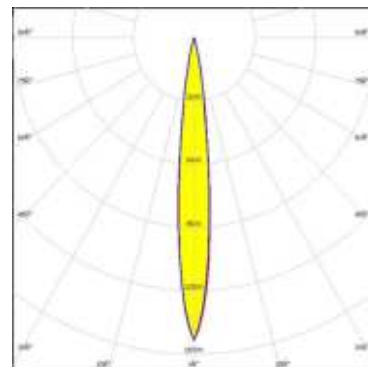


Light distribution files

OPTICAL RESULTS (SIMULATED):



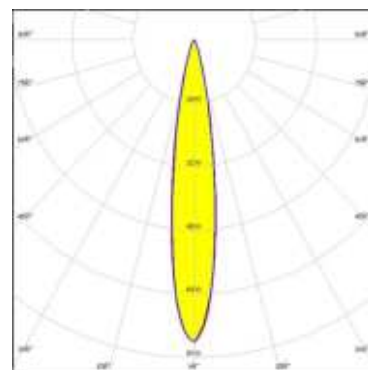
LED LUXEON Z ES
FWHM / FWTM 12.0° / 24.0°
Efficiency 92 %
Peak intensity 15.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



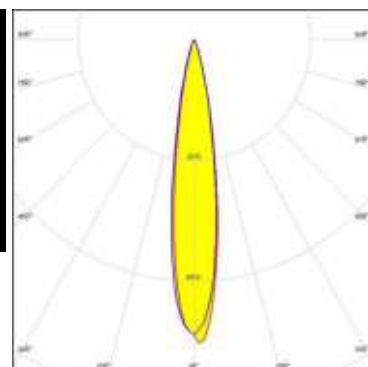
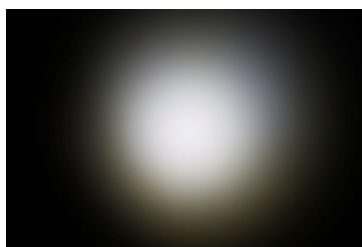
LED Duris E 2835
FWHM / FWTM 17.0° / 34.0°
Efficiency 92 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED DURIS S5 (2 chip)
FWHM / FWTM 17.0° / 33.0°
Efficiency 92 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

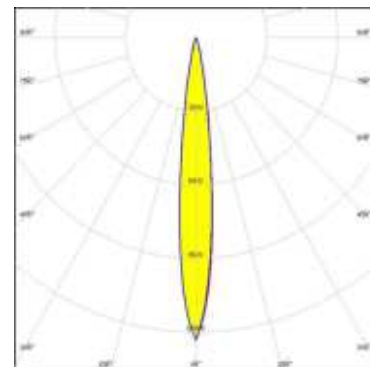


Light distribution files

OPTICAL RESULTS (SIMULATED):



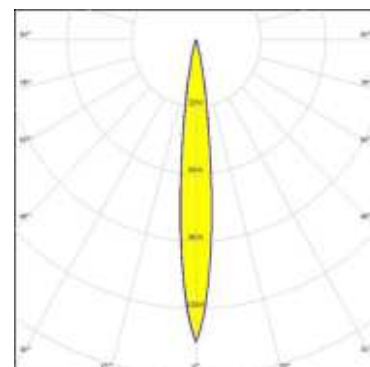
LED OSCONIQ P 3030
FWHM / FWTM 12.0° / 26.0°
Efficiency 91 %
Peak intensity 13.2 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:



Light distribution files



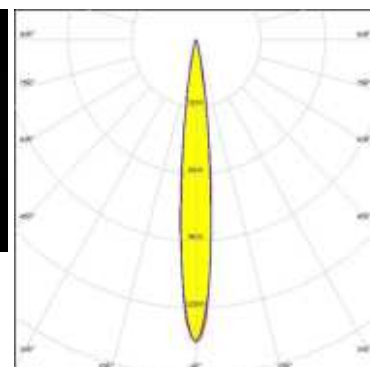
LED OSLON Signal
FWHM / FWTM 12.0° / 26.0°
Efficiency 92 %
Peak intensity 14.4 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:



Light distribution files



LED OSLON Square Flat
FWHM / FWTM 12.0° / 24.0°
Efficiency 91 %
Peak intensity 14.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

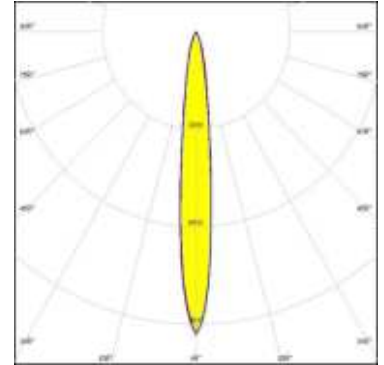


Light distribution files

OPTICAL RESULTS (SIMULATED):



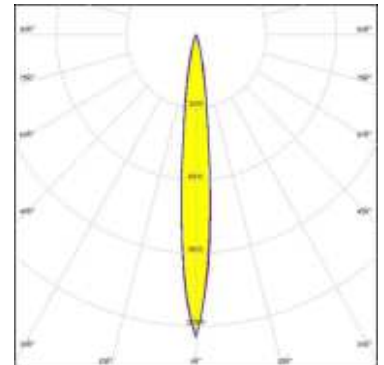
LED OSLON SSL 80
 FWHM / FWTM 12.0° / 31.0°
 Efficiency 90 %
 Peak intensity 9.9 cd/lm
 LEDs/each optic 1
 Light colour/type Far Red
 Required components:



Light distribution files



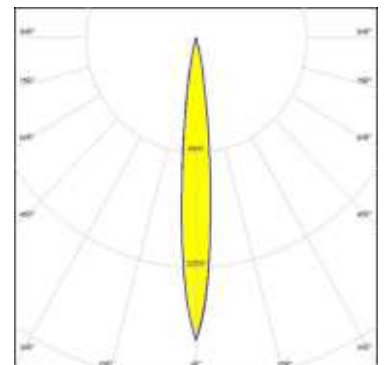
LED OSLON SSL 80
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 91 %
 Peak intensity 13.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSTAR Projection Compact (KW.CSLNM1.TG)
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 92 %
 Peak intensity 16.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

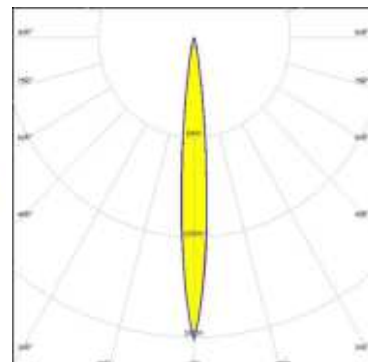
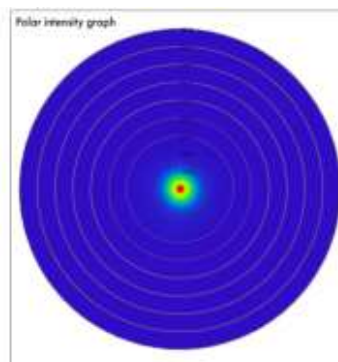


Light distribution files

OPTICAL RESULTS (SIMULATED):



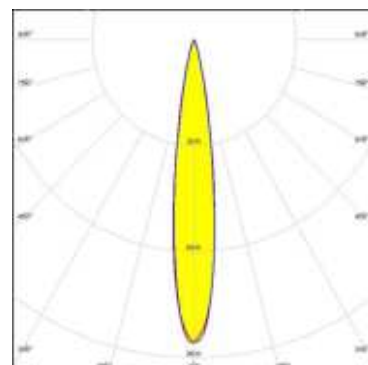
LED SFH 4770S
FWHM / FWTM 10.0° / 22.0°
Efficiency 91 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files



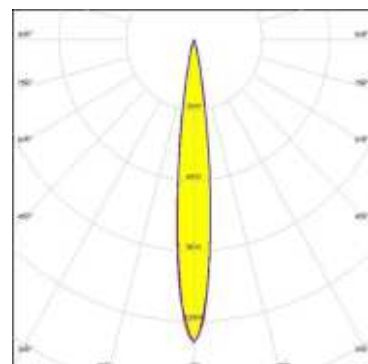
LED LH181B
FWHM / FWTM 16.0° / 30.5°
Efficiency 92 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z8Y15
FWHM / FWTM 13.0° / 25.0°
Efficiency 90 %
Peak intensity 13.8 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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