

TINA3-W

~40° wide beam optimized for CREE XP-E.
Assembly with holder, installation tape and
location pins.

SPECIFICATION:

Dimensions	Ø 16.1
Height	6.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

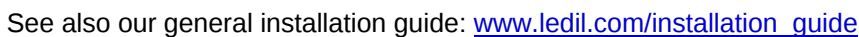


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white		
TINA3-W	Single lens	PMMA	clear		
TINA-TAPE3	Tape	Acryl tape	black		

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
F11820_TINA3-W	Single lens	2016	288	288	3.2
F11823_TINA3-HLD-PIN-TAPE-XP	Holder	2016	288	288	3.2
F11840_TINA-TAPE3	Tape	2016	288	288	3.2



OPTICAL RESULTS (MEASURED):



LED	XB-D
FWHM / FWTM	40.0° / 64.0°
Efficiency	91 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



LED	XP-E
FWHM / FWTM	41.0° / 60.0°
Efficiency	93 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

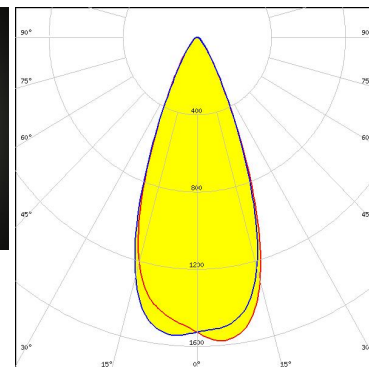
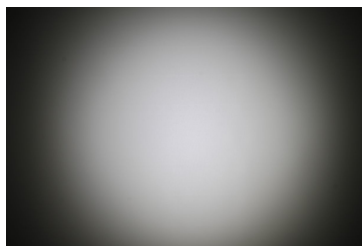


LED	XP-G
FWHM / FWTM	32.0° / 64.0°
Efficiency	93 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

OPTICAL RESULTS (MEASURED):



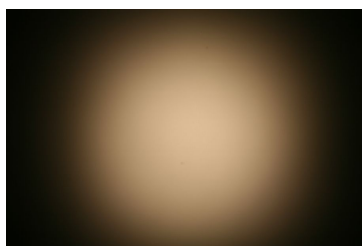
LED XP-L HI
FWHM / FWTM 43.0° / 68.0°
Efficiency 91 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON A
FWHM / FWTM 44.0° / 72.0°
Efficiency 90 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON Rebel
FWHM / FWTM 38.0° / 62.0°
Efficiency 83 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

OPTICAL RESULTS (MEASURED):



LED	LUXEON Rebel ES
FWHM / FWTM	45.0° / 68.0°
Efficiency	91 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



LED	NVSxx19A
FWHM / FWTM	41.0° / 68.0°
Efficiency	93 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

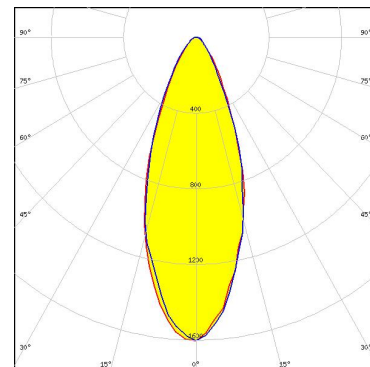


LED	OSLON SSL 150
FWHM / FWTM	37.0° / 60.0°
Efficiency	89 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

OPTICAL RESULTS (MEASURED):



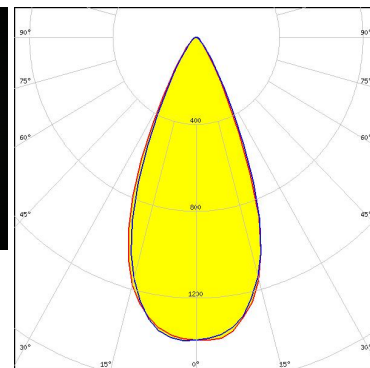
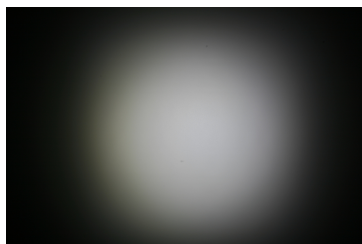
LED Z5
FWHM / FWTM 38.0° / 76.0°
Efficiency 92 %
Peak intensity 1.6 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z5M1/Z5M2
FWHM / FWTM 48.0° / 74.0°
Efficiency 90 %
Peak intensity 1.4 cd/m
LEDs/each optic 1
Light colour/type White
Required components:

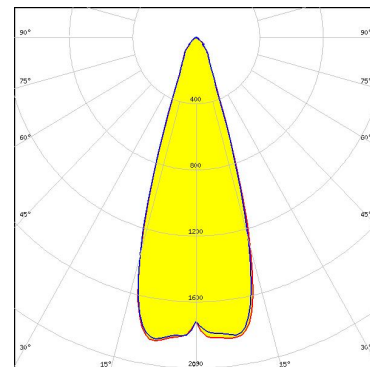


Light distribution files

OPTICAL RESULTS (SIMULATED):



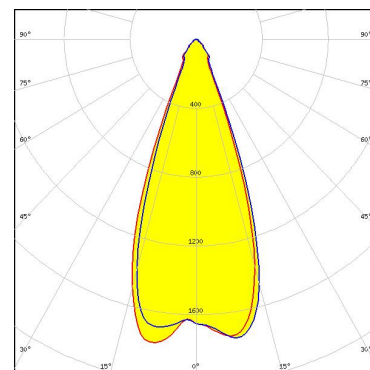
LED NCSxE17A
FWHM / FWTM 36.0° / 58.0°
Efficiency 81 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



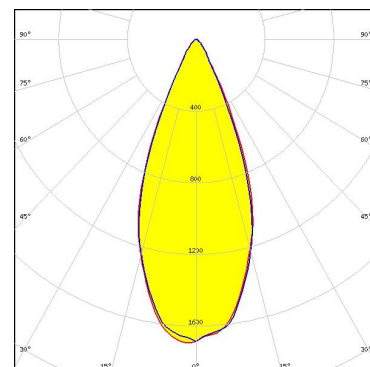
LED NCSxx19A
FWHM / FWTM 39.0° / 56.0°
Efficiency 91 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM 42.0° / 64.0°
Efficiency 94 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

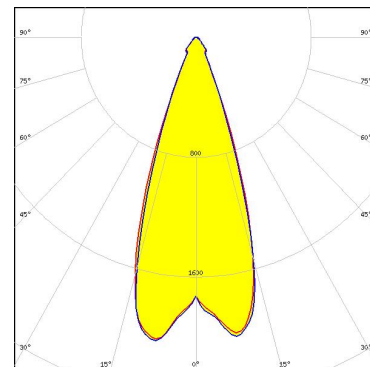


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

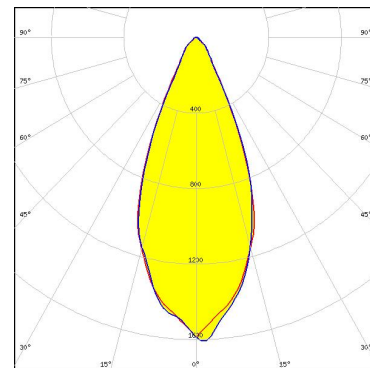
LED SYNIOS S2222
FWHM / FWTM 38.0 + 36.0° / 54.0°
Efficiency 96 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEOUL
SEMICONDUCTOR

LED Z8Y22P
FWHM / FWTM 42.0°
Efficiency 94 %
Peak intensity 1.6 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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