

TINA-Y-SS

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

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	10 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

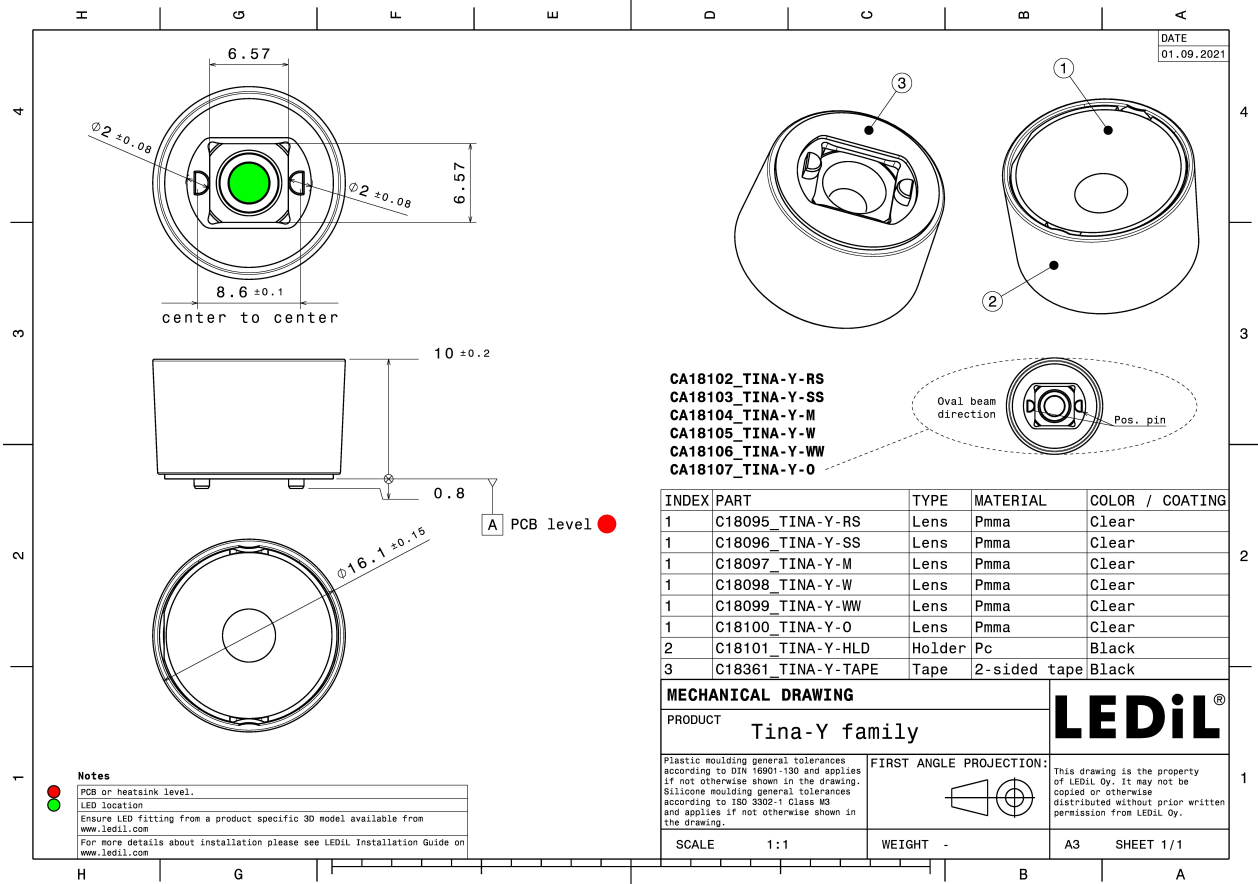
MATERIALS:

Component	Type	Material	Colour	Finish
TINA-Y-SS	Single lens	PMMA	clear	gloss
TINA-Y-HLD	Holder	PC	black	gloss
TINA-Y-TAPE	Tape	Acrylic foam		

ORDERING INFORMATION:


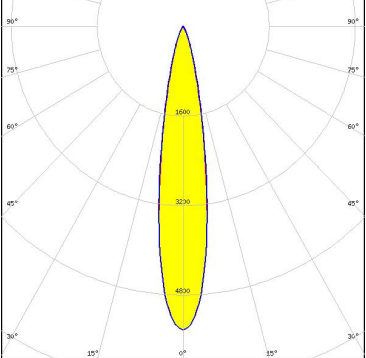
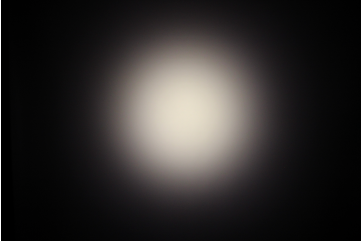
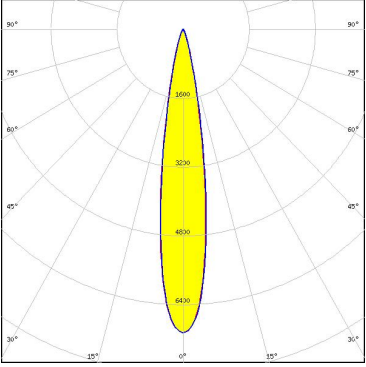

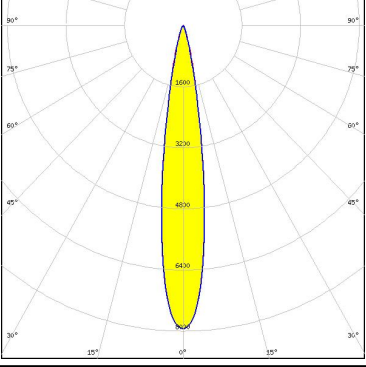
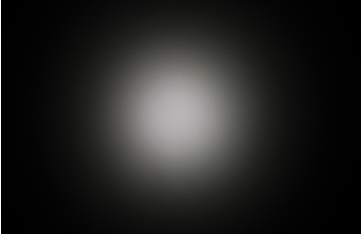
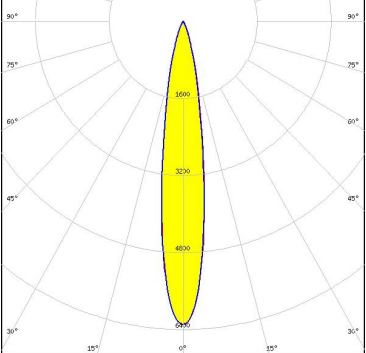
Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18103_TINA-Y-SS » Box size: 476 x 273 x 197 mm	3900	300	300	5.7




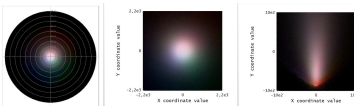
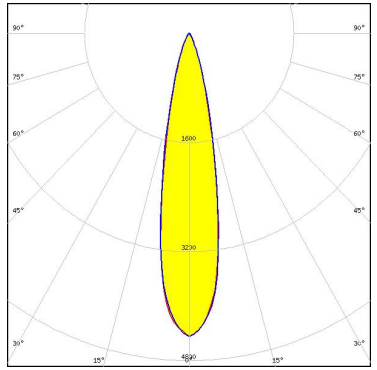

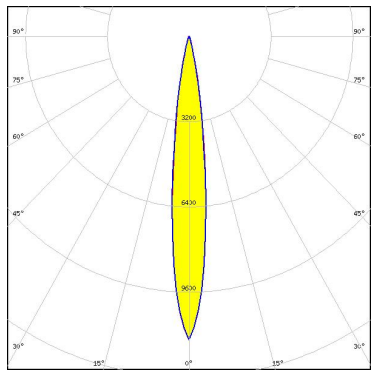

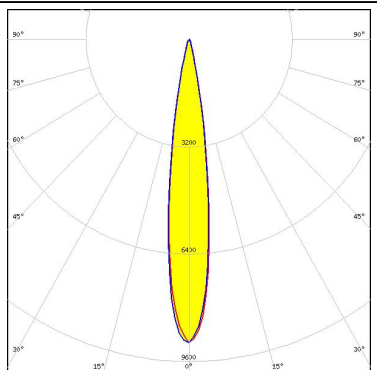

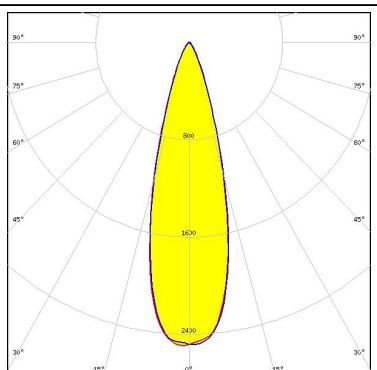


See also our general installation guide: www.ledil.com/installation_guide


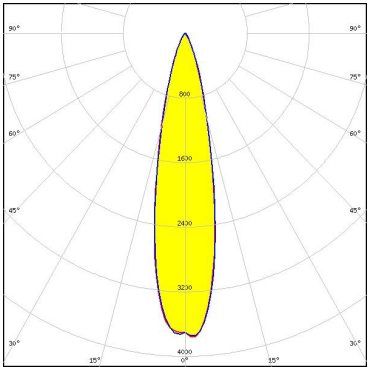

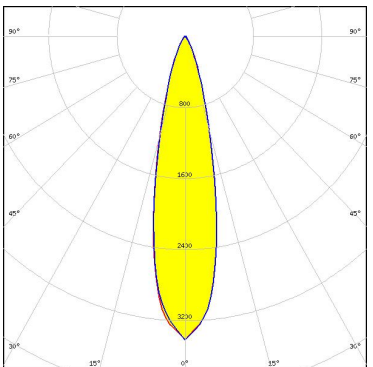

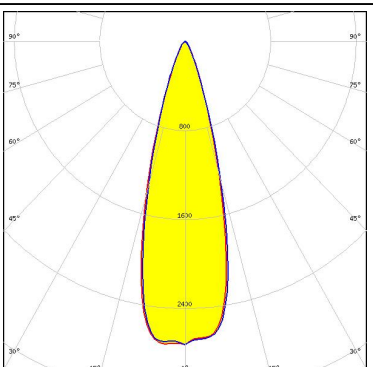

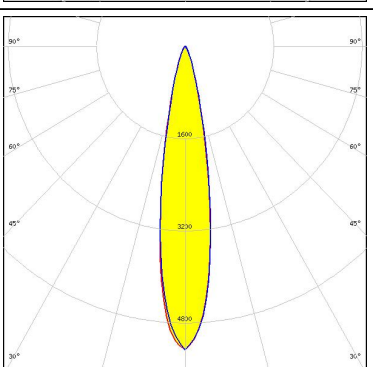
OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED XP-G3 FWHM / FWTM 18.0° / 37.0° Efficiency 81 % Peak intensity 5.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XP-G4 FWHM / FWTM 17.0° / 33.0° Efficiency 87 % Peak intensity 7.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW719AC FWHM / FWTM 17.0° / 31.0° Efficiency 87 % Peak intensity 7.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ C 3030 FWHM / FWTM 16.0° / 36.0° Efficiency 83 % Peak intensity 6.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

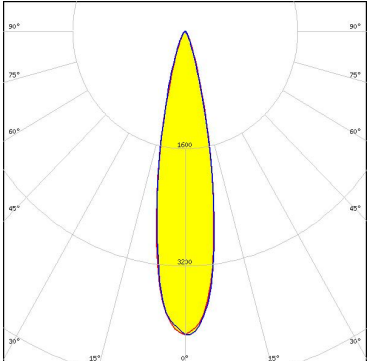
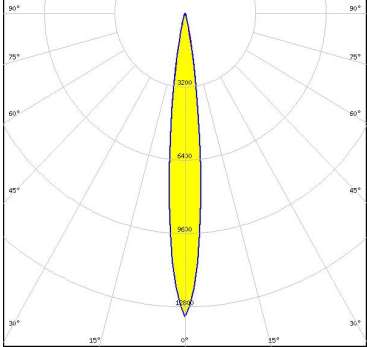
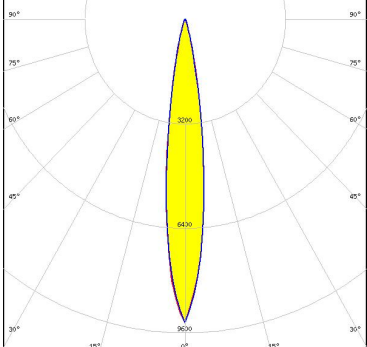
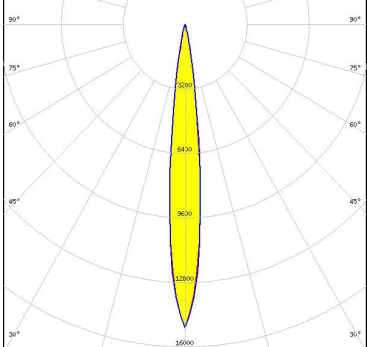
OPTICAL RESULTS (SIMULATED):

	<p>LED CLR6A-TKW FWHM / FWTM 21.0° / 42.0° Efficiency 86 % Peak intensity 4.5 cd/lm LEDs/each optic 1 Light colour RGBW Required components:</p>		
	<p>LED XD16 Premium FWHM / FWTM 14.0° / 26.0° Efficiency 86 % Peak intensity 11.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
	<p>LED XE-G FWHM / FWTM 16.0° / 28.0° Efficiency 87 % Peak intensity 9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
	<p>LED XHP35.2 HD FWHM / FWTM 28.0° / 52.0° Efficiency 75 % Peak intensity 2.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (SIMULATED):

	<p>LED XHP35.2 HI</p> <p>FWHM / FWTM 22.0° / 46.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 3.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
	<p>LED XHP50.3 HI</p> <p>FWHM / FWTM 24.0° / 48.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 3.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
	<p>LED XM-L RGBW (XMLDCL HD)</p> <p>FWHM / FWTM 30.0° / 50.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>	
	<p>LED XM-L RGBW (XMLDCL HI)</p> <p>FWHM / FWTM 20.0° / 38.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 5.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>	

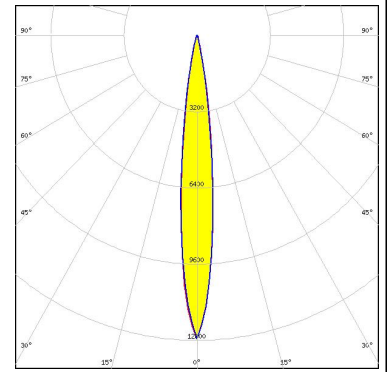
OPTICAL RESULTS (SIMULATED):

<p>CREE LEDs</p> <p>LED XM-L3 FWHM / FWTM 21.0° / 42.0° Efficiency 80 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE LEDs</p> <p>LED XP-E2 FWHM / FWTM 12.0° / 24.0° Efficiency 88 % Peak intensity 13 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE LEDs</p> <p>LED XP-G2 FWHM / FWTM 15.0° / 28.0° Efficiency 87 % Peak intensity 9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE LEDs</p> <p>LED XP-P FWHM / FWTM 12.0° / 22.0° Efficiency 89 % Peak intensity 15.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

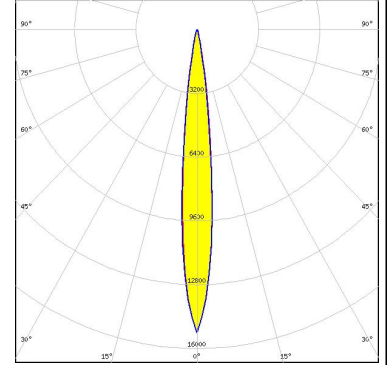
OPTICAL RESULTS (SIMULATED):



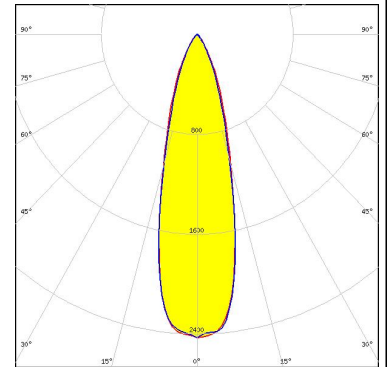
LED XQ-E HD
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 87 %
 Peak intensity 12.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



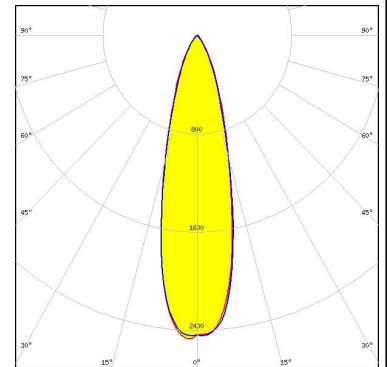
LED XQ-E HI
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 87 %
 Peak intensity 15.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 5050 Round LES
 FWHM / FWTM 28.0° / 56.0°
 Efficiency 80 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



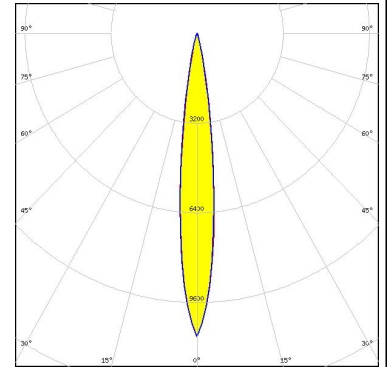
LED LUXEON 5050 Square LES
 FWHM / FWTM 26.0° / 56.0°
 Efficiency 78 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

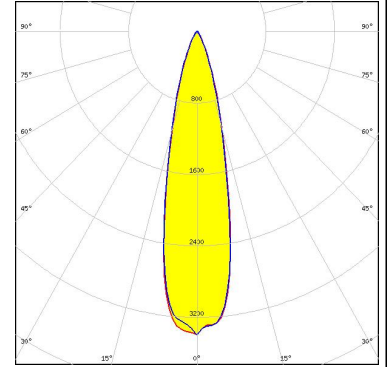
LUMILEDS

LED LUXEON C
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 79 %
 Peak intensity 10.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



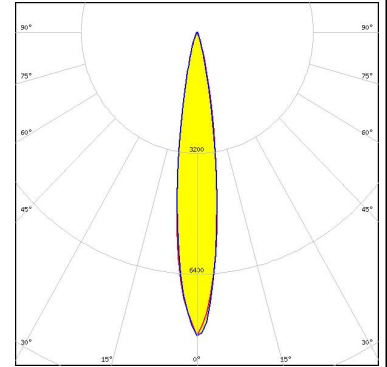
LUMILEDS

LED LUXEON MZ
 FWHM / FWTM 24.0° / 47.0°
 Efficiency 81 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



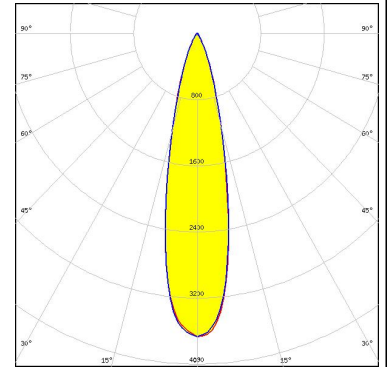
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 15.0° / 30.0°
 Efficiency 84 %
 Peak intensity 8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NV4WB35AM
 FWHM / FWTM 24.0° / 46.0°
 Efficiency 85 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

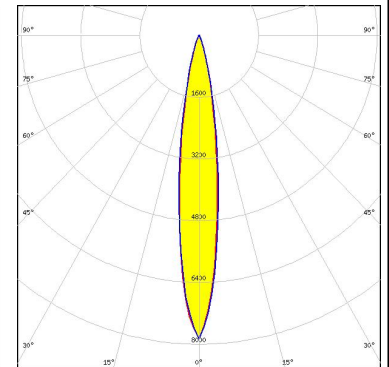
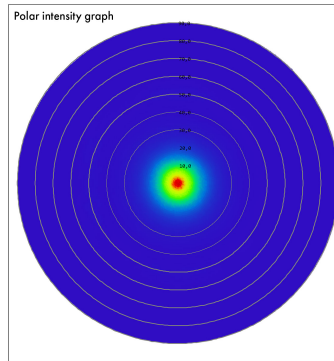
<p>NICHIA</p> <p>LED: NVSW219F FWHM / FWTM: 18.0° / 33.0° Efficiency: 87 % Peak intensity: 6.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 16.0° / 34.0° Efficiency: 79 % Peak intensity: 7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: OSOLON Square CSSRM2/CSSRM3 FWHM / FWTM: 16.0° / 32.0° Efficiency: 86 % Peak intensity: 7.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: OSOLON SSL 150 FWHM / FWTM: 13.0° / 25.0° Efficiency: 88 % Peak intensity: 13 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

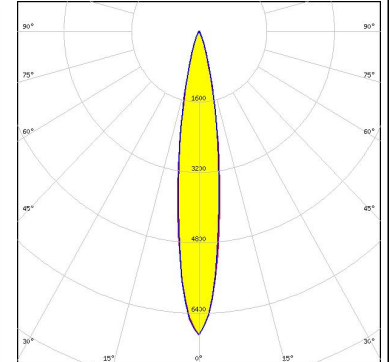
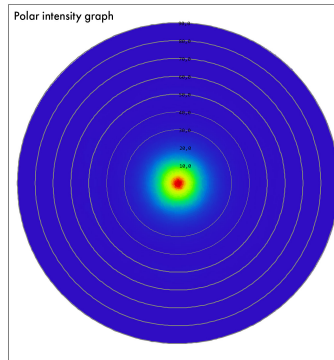
LED SFH 4715AS
 FWHM / FWTM 16.0° / 33.0°
 Efficiency 86 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OSRAM

Opto Semiconductors

LED SFH 4725AS
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 86 %
 LEDs/each optic 1
 Light colour IR
 Required components:



SAMSUNG

LED LH351C
 FWHM / FWTM 19.0° / 36.0°
 Efficiency 87 %
 Peak intensity 5.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

