

# **CRYSTAL-RS**

~5.1° spot beam. Assembly with holder.

#### **SPECIFICATION:**

Dimensions	Ø 49.7
Height	28.7 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



#### MATERIALS:

Component CRYSTAL-RS CRYSTAL-HLD

Туре	Material	Colour	Finish	Length (mm)
Single lens	PMMA	clear		
Holder	PC	white		

#### **ORDERING INFORMATION:**

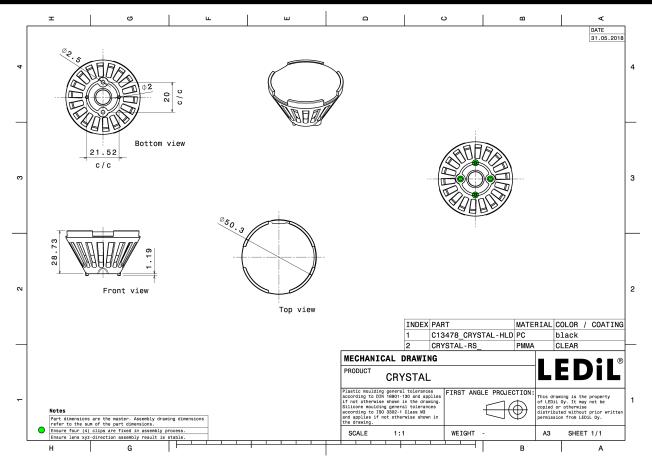
#### Quantities for one set:

Single lens 1 Holder 1



Component		Qty in box	MOQ	MPQ	Box weight (kg)
F12916_CRYSTAL-RS » Box size: 480 x 280 x 300 mm	Single lens	288	64	32	8.6
C13478_CRYSTAL-HLD » Box size: 480 x 280 x 300 mm	Holder	1152	64	32	6.1



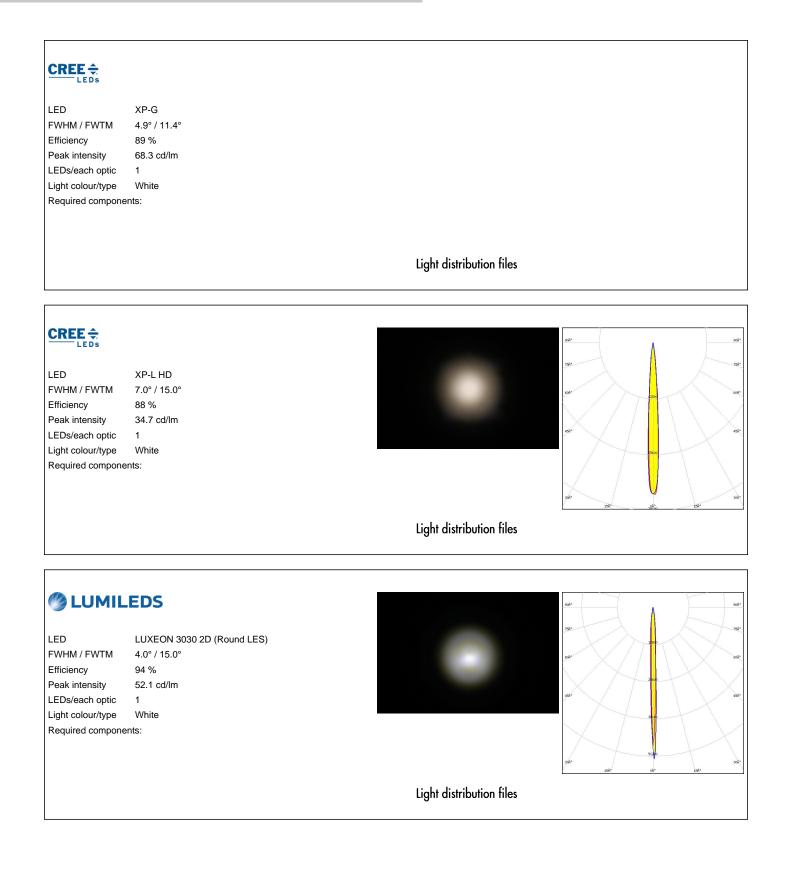


See also our general installation guide: www.ledil.com/installation\_guide



Light distribution files
Fight distribution files
Light distribution files







Efficiency

Peak intensity

LEDs/each optic

Light colour/type

Required components:

93 %

White

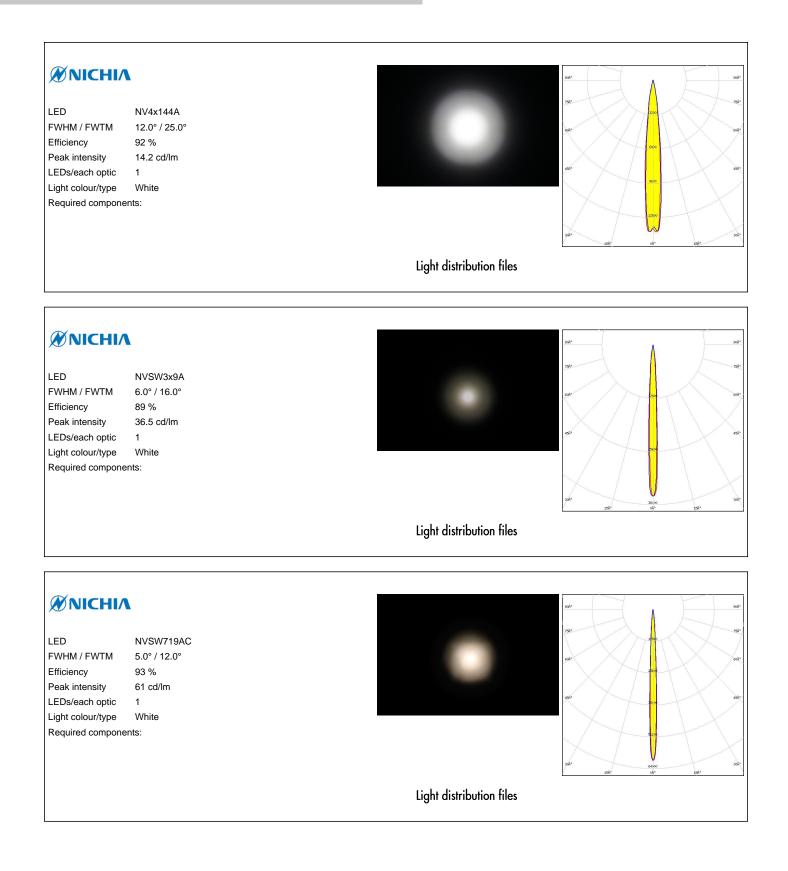
1

103.8 cd/lm

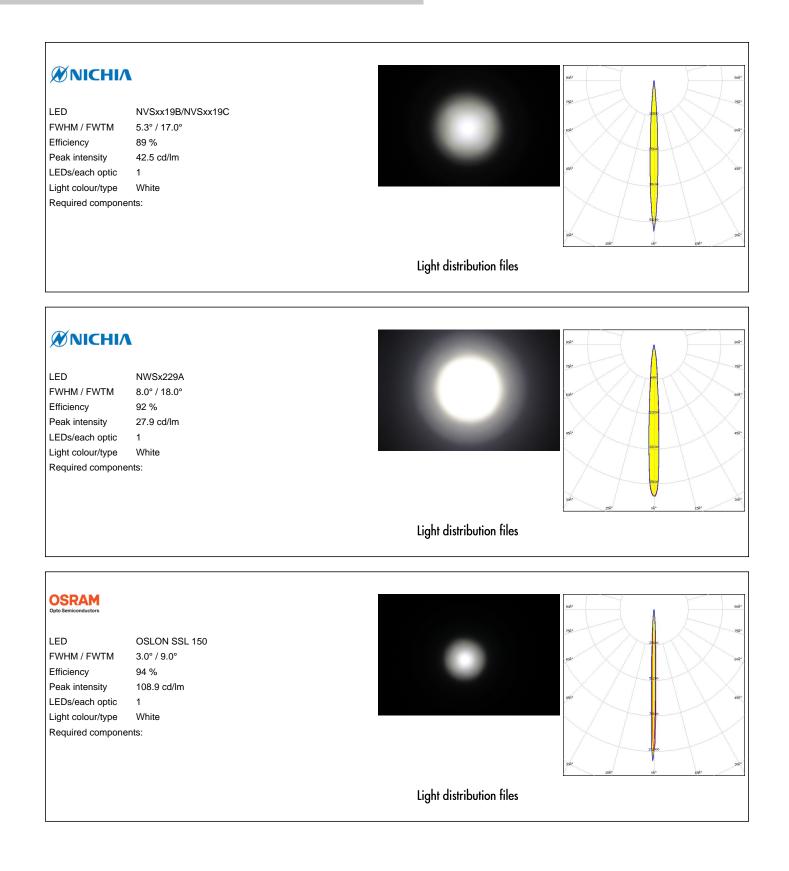
#### LUMILEDS LUXEON 5050 Round LES LED FWHM / FWTM 9.0° / 24.0° Efficiency 94 % Peak intensity 17.8 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files LUMILEDS LED LUXEON A FWHM / FWTM 5.1° / 14.0° Efficiency 89 % Peak intensity 58.9 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files LED LUXEON Z ES FWHM / FWTM 3.0° / 9.0°

Light distribution files

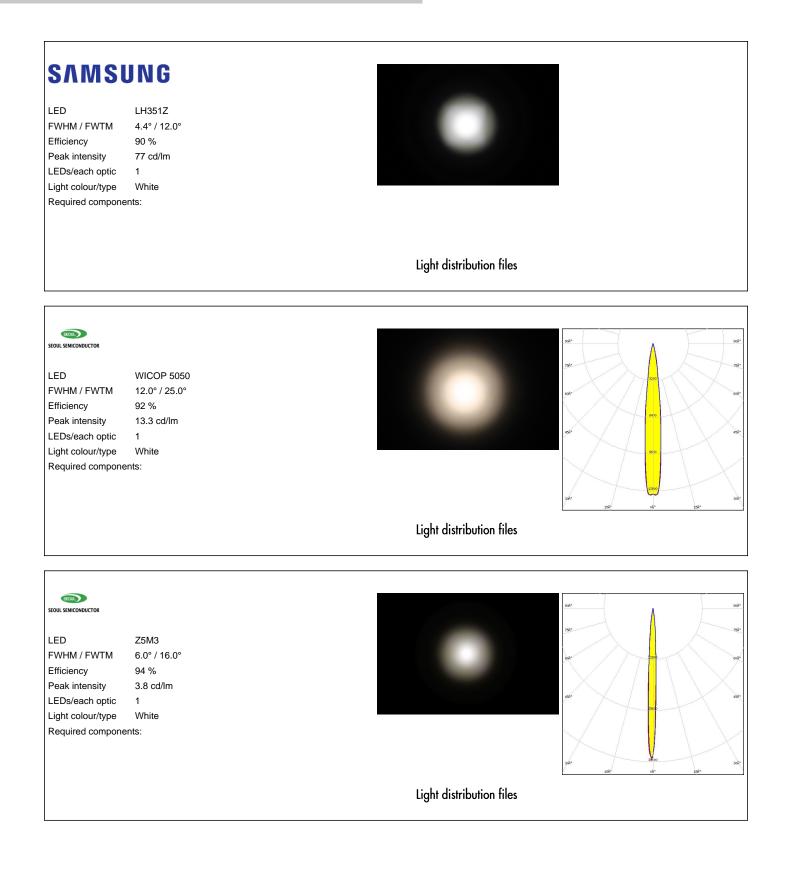




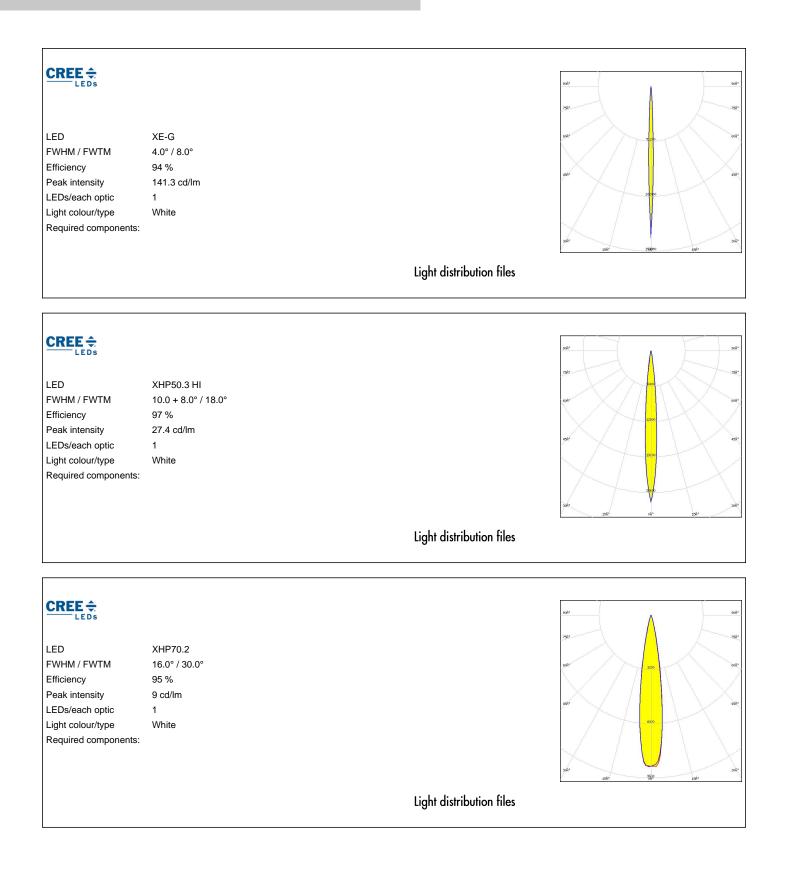




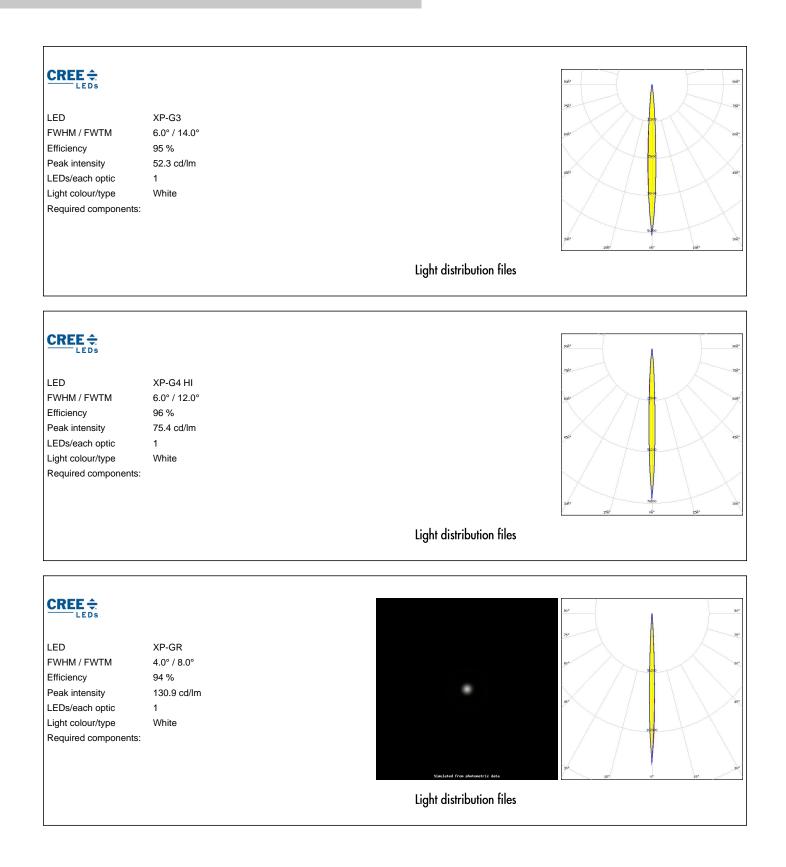




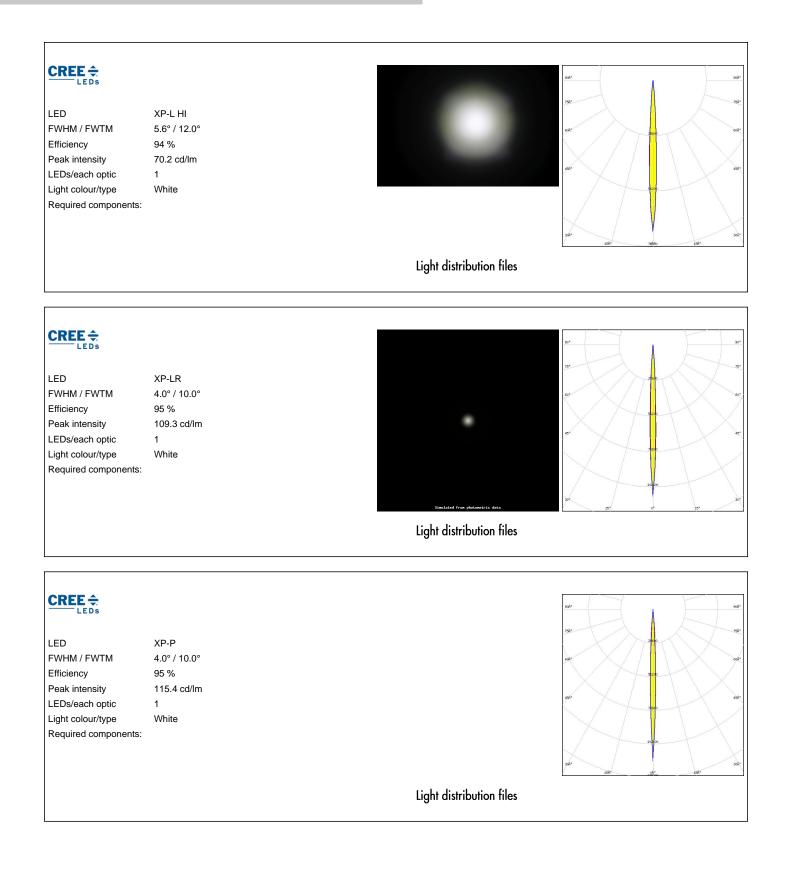




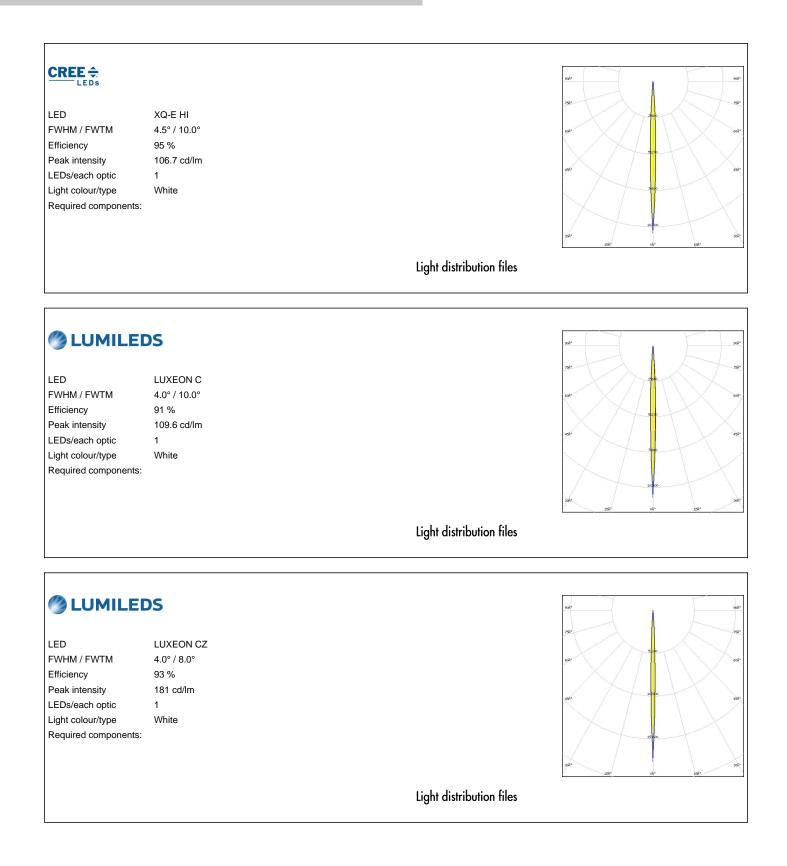














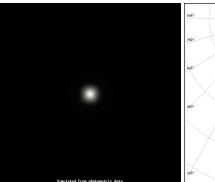
#### LUMILEDS 90Å I FD LUXEON HL2X FWHM / FWTM 6.0° / 14.0° Efficiency 95 % Peak intensity 52.6 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files LUMILEDS LUXEON HL2Z I FD FWHM / FWTM 4.0° / 12.0° Efficiency 96 % 78.5 cd/lm Peak intensity anti LEDs/each optic 1 Light colour/type White Required components: Light distribution files LUMILEDS LUXEON HL4X LED FWHM / FWTM 8.0° / 16.0° 97 % Efficiency Peak intensity 33 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files

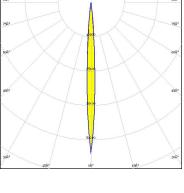


# UMILEDS

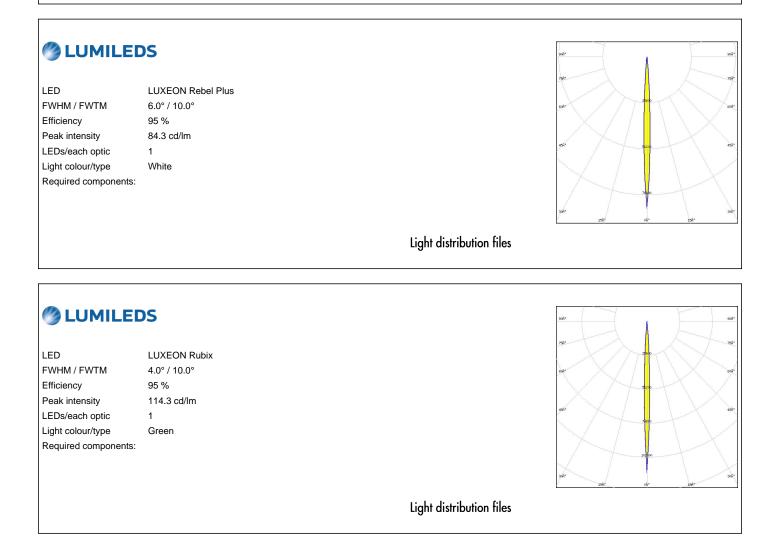
LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour/type
Required components:

LUXEON HL4Z 6.0° / 14.0 + 13.0° 96 % 56.4 cd/lm 1 White

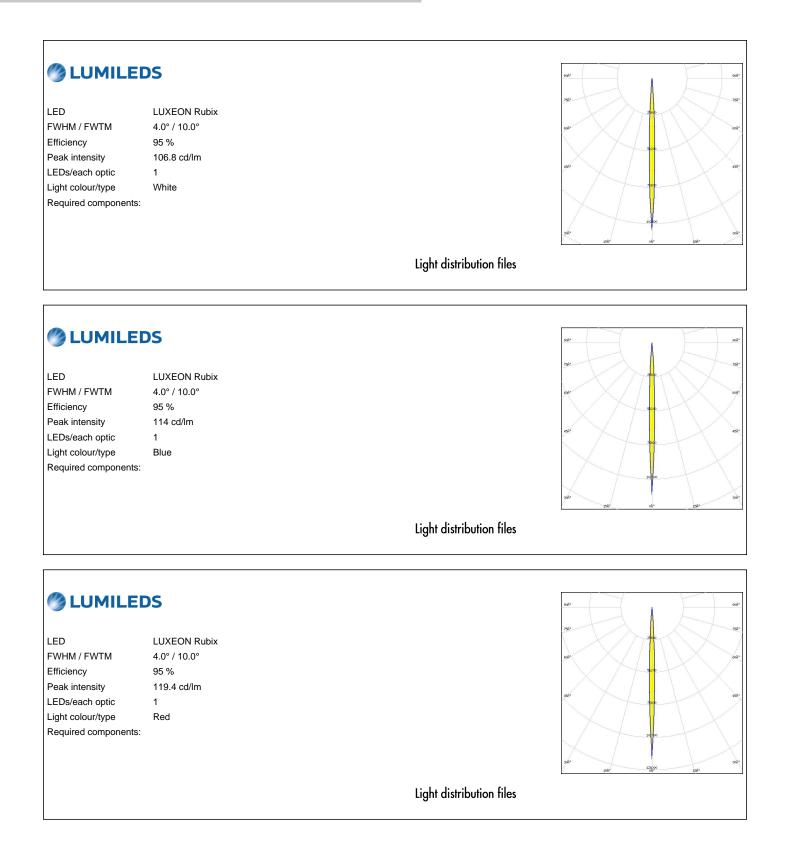




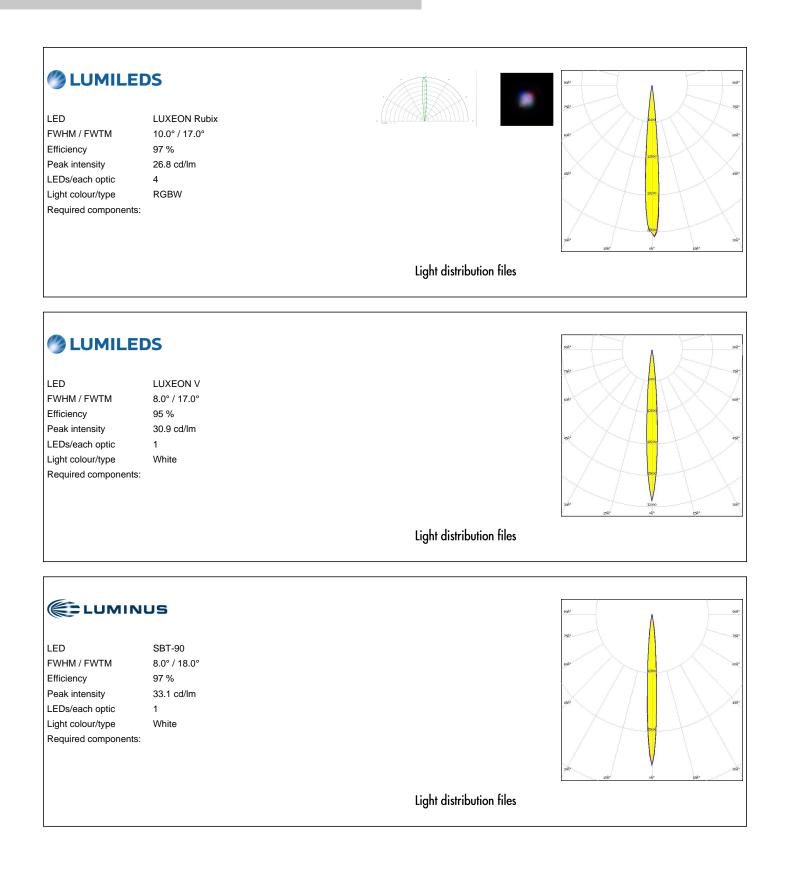
Light distribution files







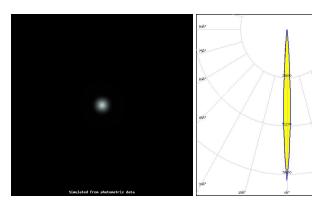




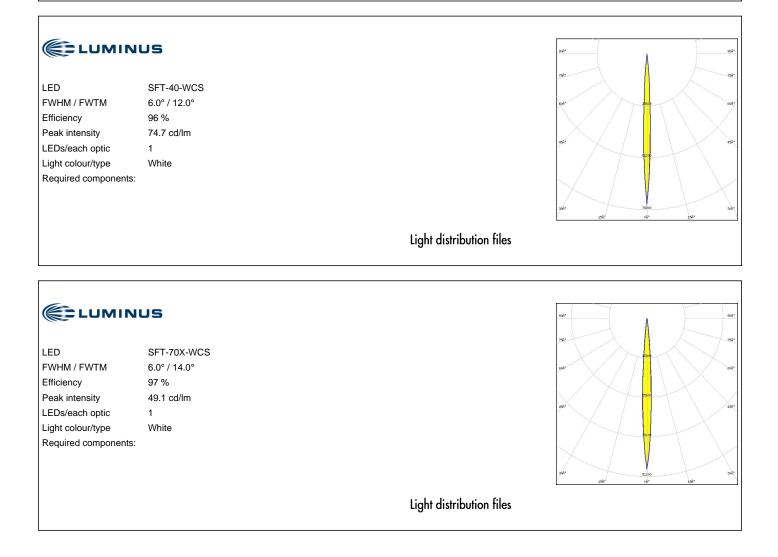


## 

LED	SFT-40 Gen2
FWHM / FWTM	6.0° / 12.0 + 10.0°
Efficiency	96 %
Peak intensity	80.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



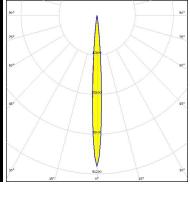


## 

SFT
6.0
97 %
49 c
1
Whi



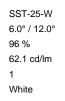


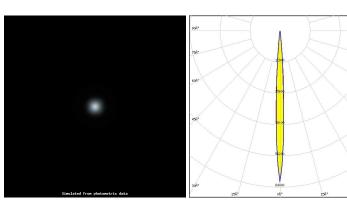


Light distribution files

## 

LEDSSFWHM / FWTM6.0Efficiency96Peak intensity62.LEDs/each optic1Light colour/typeWhRequired components:

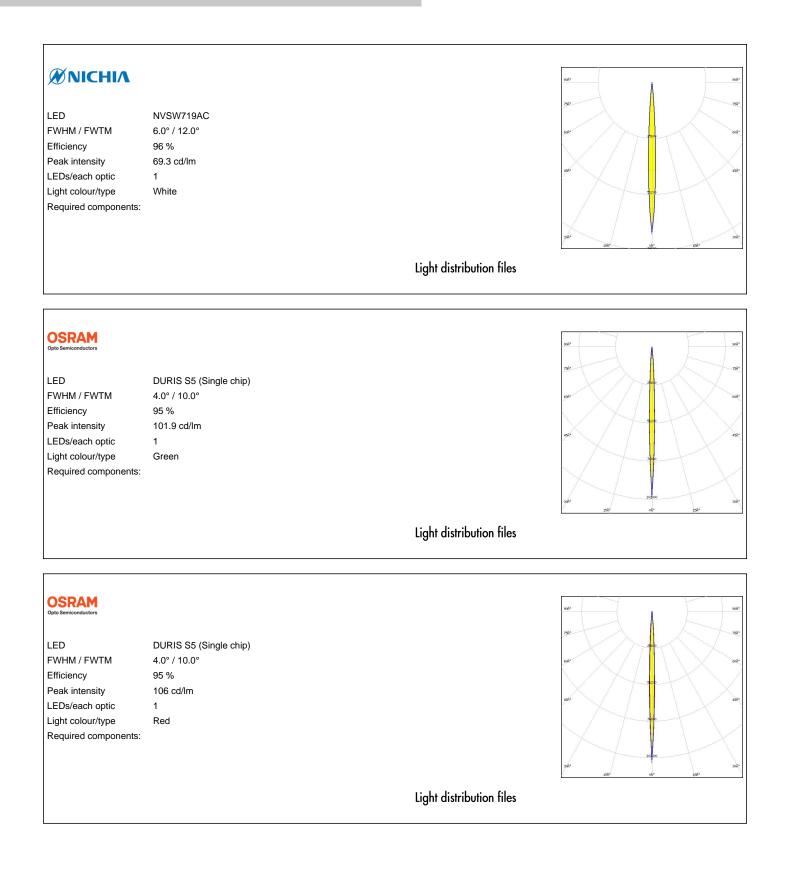




Light distribution files

	NUS	501* 500* 701*
LED	SST-40	
FWHM / FWTM	8.0° / 16.0°	044 (044
Efficiency	97 %	
Peak intensity	31.7 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components	s:	
		Light distribution files

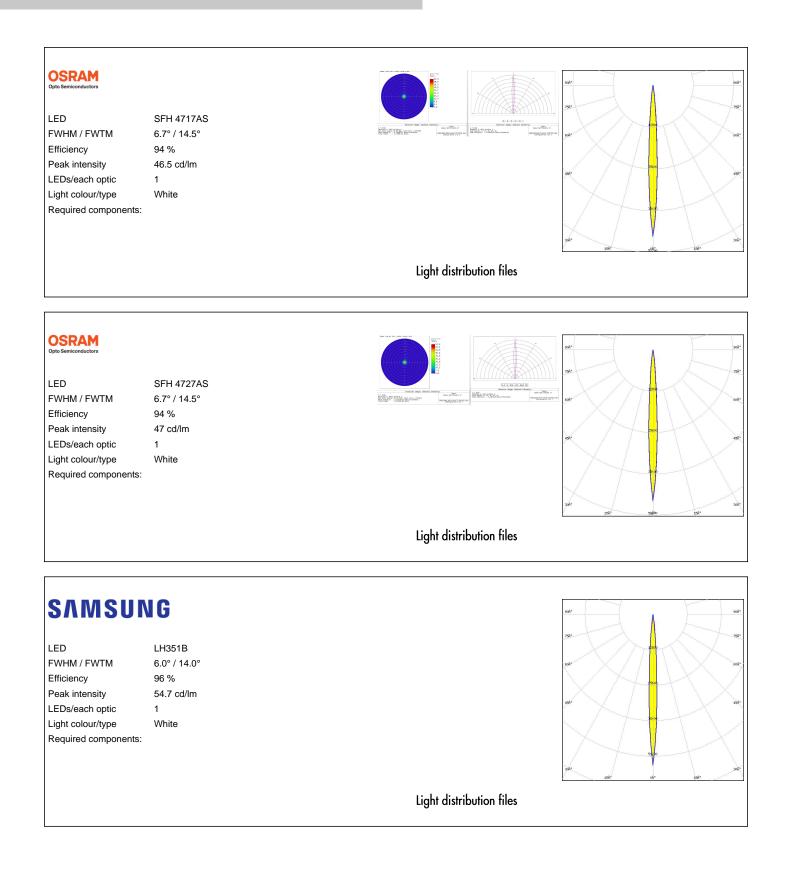






OSRAM Opto Semiconductors	OSLON Pure 1414 4.0° / 10.0° 95 % 111.4 cd/lm 1 White		
		Light distribution files	
COSRAM Opto Semiconductors	OSRAM OSTAR Projection Compact (KW CSLPM1.TG) 5.0° / 9.0° 95 % 99.3 cd/lm 1 White	Light distribution files	
OSRAM Opto Semiconductors			yak
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	OSTAR Projection Compact (KW.CSLNM1.TG) 4.0° / 8.0° 94 % 139.7 cd/lm 1 White		1967 - 1967 1969 - 1967 1969 - 1969 1969 - 1969 1969 - 1969
		Light distribution files	







900° 90 700°
c A A A A A A A A A A A A A A A A A A A
4.0° 8%
l/lm
966
- 1567 - 1667 - 1667
Light distribution files
-
P 26.0°
P 26.0° W/m
P 26.0°
P 26.0° V/m
P 26.0° I/Im
P 26.0° I/Im
P 26.0° I/Im
P 26.0° 4/Im



#### **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:**

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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#### LEDiL Oy

Joensuunkatu 7 FI-24100 SALO Finland

#### LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B **Casic Motor Building** Shenzhen 518057 P.R.CHINA

#### Local sales and technical support www.ledil.com/ where\_to\_buy

**Shipping locations** Poznan, Poland Hong Kong, China

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