

### DALINE-10-O

~25 + 60° oval beam

#### SPECIFICATION:

Dimensions	279.5 x 12.5 mm
Height	9.8 mm
ROHS compliant	yes ⓘ

#### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
C19330_DALINE-10-O	Linear lens	PMMA	clear		
C19620_DALINE-10-SHD2-WHT-MATT	Shade	PC	white	matt	
C19618_DALINE-10-SHD2-MATT	Shade	PC	black	matt	
C19509_DALINE-10-SHD1-WHT-MATT	Shade	PC	white	matt	
C19333_DALINE-10-SHD1-MATT	Shade	PC	black	matt	

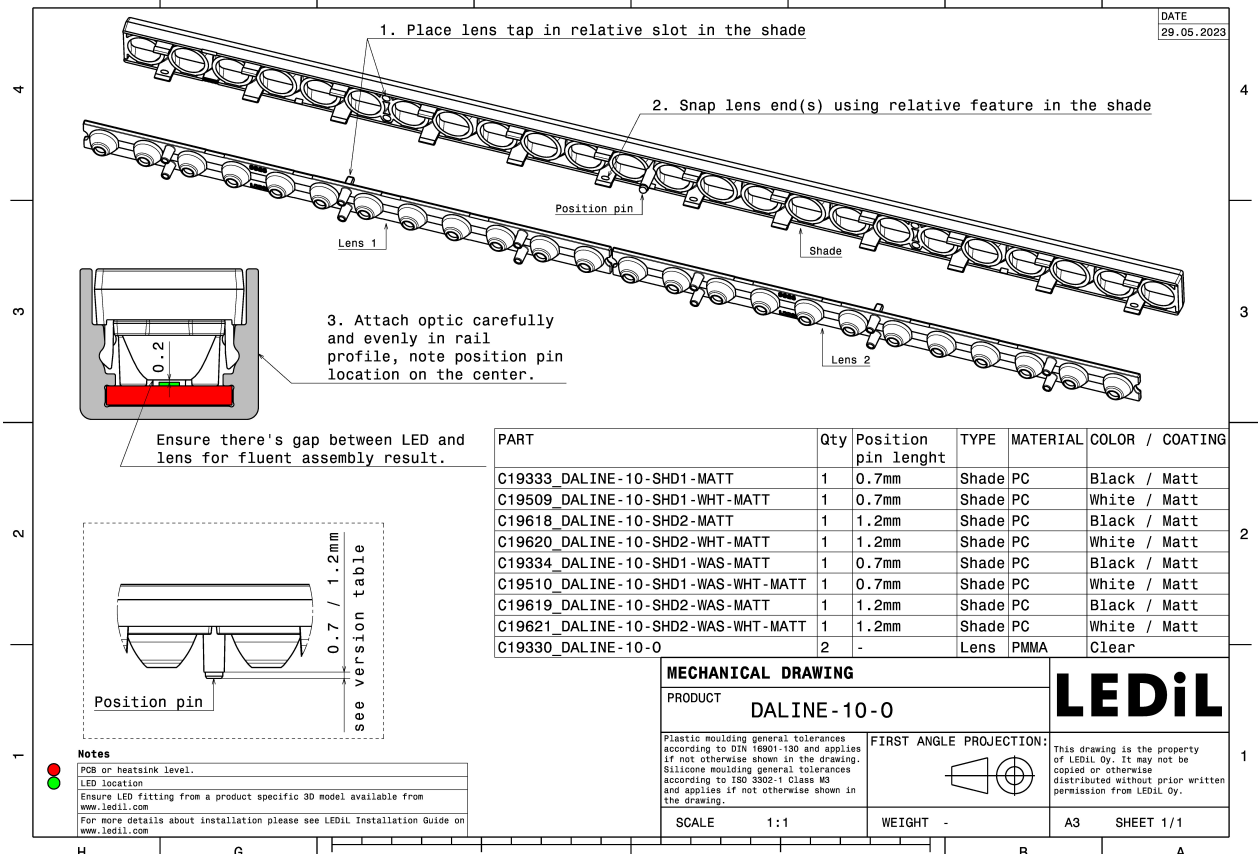
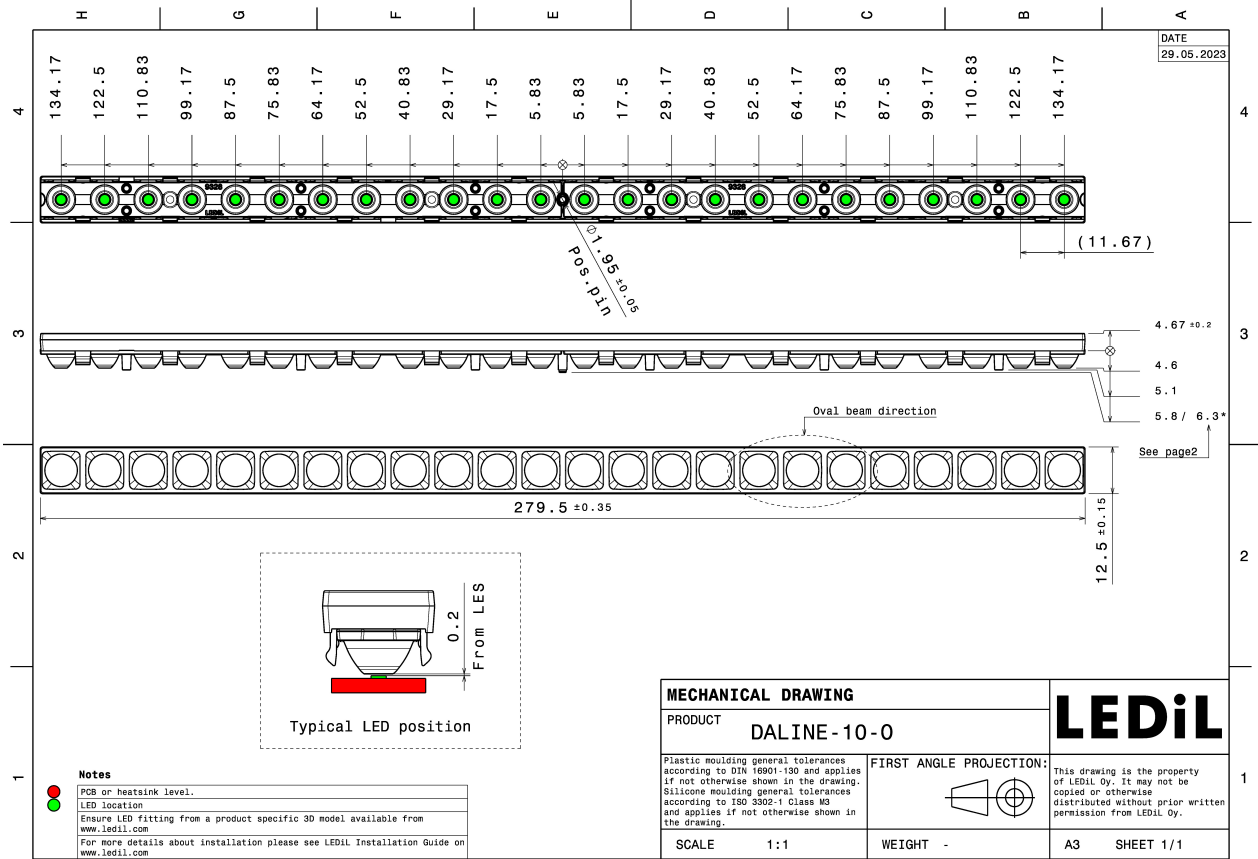
#### ORDERING INFORMATION:

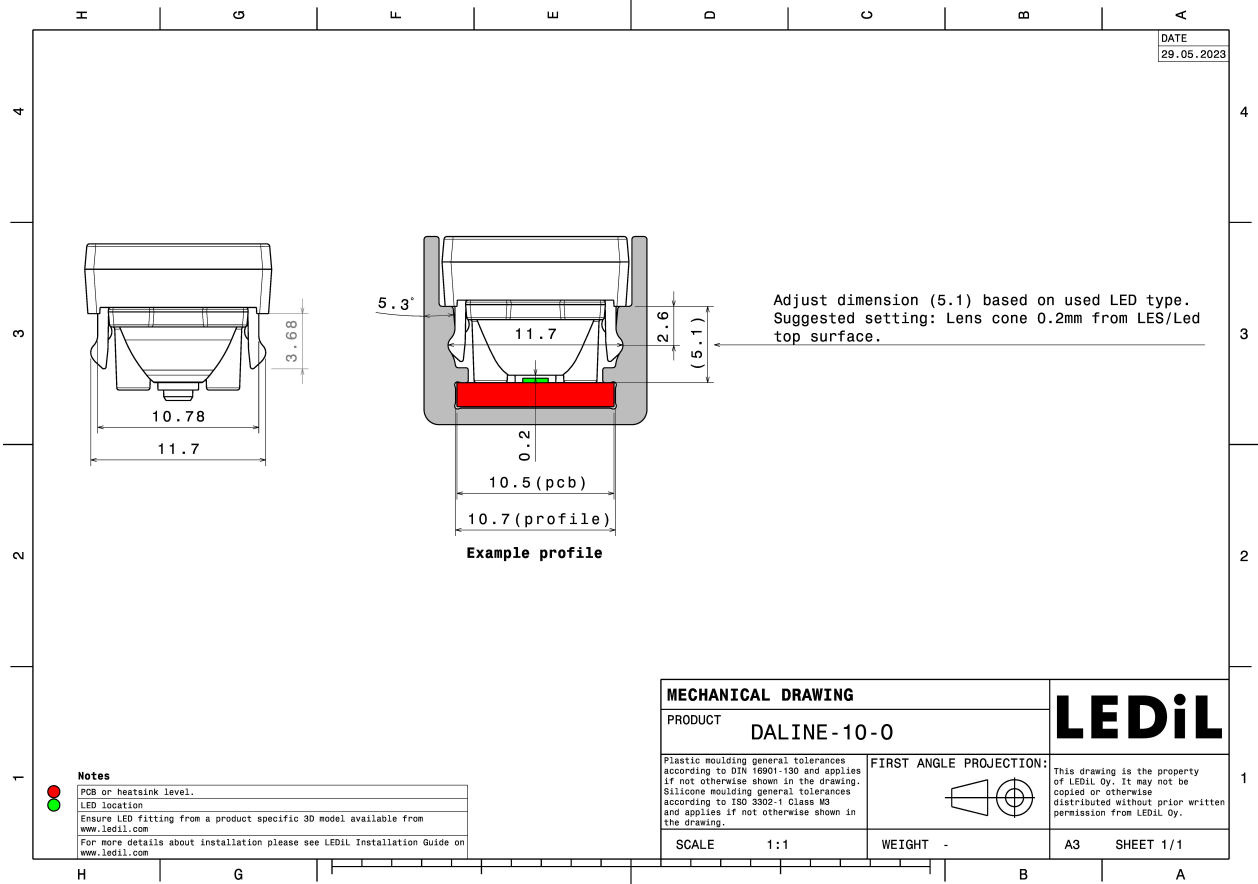
##### Quantities for one set:

Linear lens	2
Shade	1



Component		Qty in box	MOQ	MPQ	Box weight (kg)
C19330_DALINE-10-O	Linear lens	1560	52	52	7.9
» Box size: 480 x 280 x 300 mm					
C19620_DALINE-10-SHD2-WHT-MATT	Shade	390	26	26	6.1
» Box size: 400 x 300 x 300 mm					
C19333_DALINE-10-SHD1-MATT	Shade	390	26	26	5.9
» Box size: 400 x 300 x 300 mm					
C19509_DALINE-10-SHD1-WHT-MATT	Shade	390	26	26	6.0
» Box size: 400 x 300 x 300 mm					
C19618_DALINE-10-SHD2-MATT	Shade	390	26	26	6.0
» Box size: 400 x 300 x 300 mm					





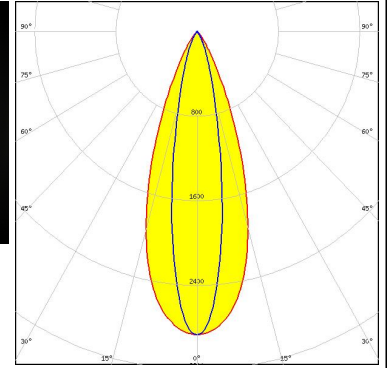
See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)



### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

LED LM101B  
FWHM / FWTM 38.0 + 20.0° / 63.0 + 43.0°  
Efficiency 81 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C19333\_DALINE-10-SHD1-MATT

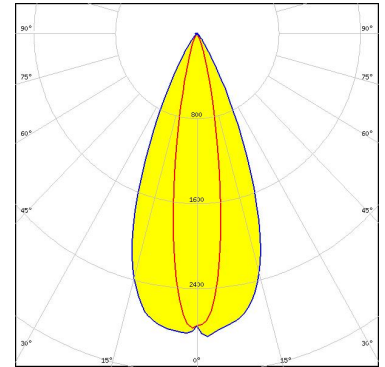


Light distribution files

### OPTICAL RESULTS (SIMULATED):



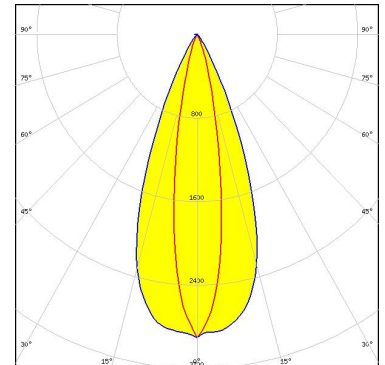
**LED** CSP 1111 (BXCP)  
**FWHM / FWTM** 44.0 + 19.0°  
**Efficiency** 82 %  
**Peak intensity** 2.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C19333\_DALINE-10-SHD1-MATT



Light distribution files



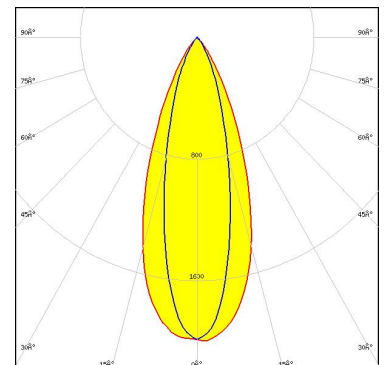
**LED** XQ-E HI  
**FWHM / FWTM** 42.0 + 19.0°  
**Efficiency** 80 %  
**Peak intensity** 2.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C19618\_DALINE-10-SHD2-MATT



Light distribution files



**LED** LUXEON 2835 Line  
**FWHM / FWTM** 40.0 + 26.0° / 69.0 + 56.0°  
**Efficiency** 78 %  
**Peak intensity** 2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C19618\_DALINE-10-SHD2-MATT

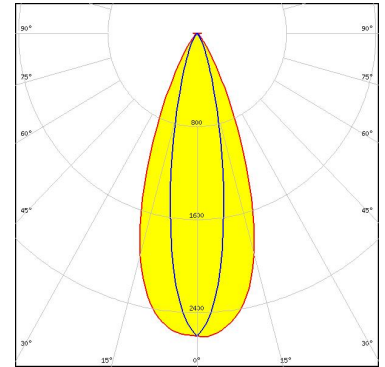


Light distribution files

### OPTICAL RESULTS (SIMULATED):



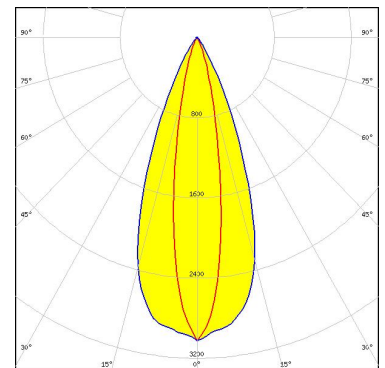
LED LUXEON 3014  
FWHM / FWTM 42.0 + 20.0° / 66.0 + 44.0°  
Efficiency 86 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C19333\_DALINE-10-SHD1-MATT



Light distribution files



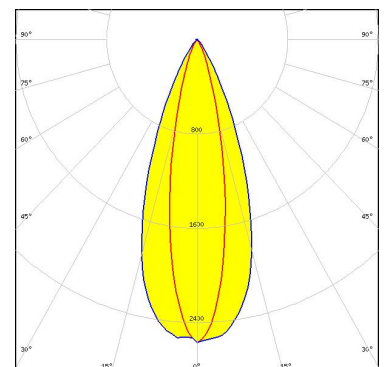
LED LUXEON CSP HL1  
FWHM / FWTM 41.0 + 19.0°  
Efficiency 84 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C19333\_DALINE-10-SHD1-MATT



Light distribution files



LED LUXEON Z ES  
FWHM / FWTM 40.0 + 22.0°  
Efficiency 81 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C19618\_DALINE-10-SHD2-MATT



Light distribution files

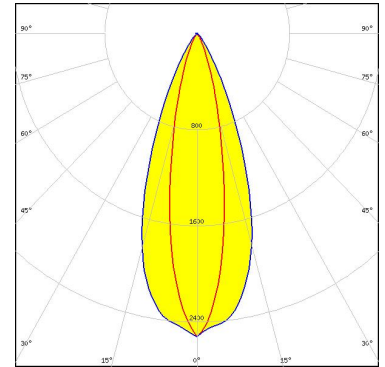
### OPTICAL RESULTS (SIMULATED):



LED NCSxE17A  
FWHM / FWTM 40.0 + 21.0°  
Efficiency 79 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C19333\_DALINE-10-SHD1-MATT



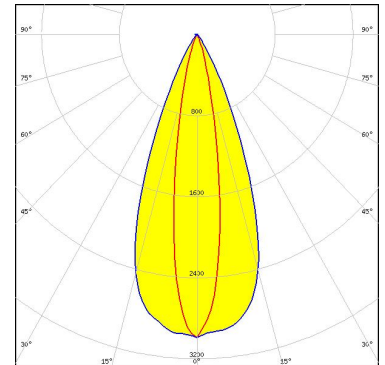
Light distribution files



LED NFSWE11A  
FWHM / FWTM 42.0 + 18.0°  
Efficiency 80 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C19333\_DALINE-10-SHD1-MATT



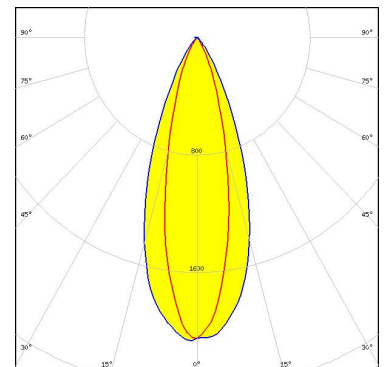
Light distribution files



LED NVSxE21A  
FWHM / FWTM 40.0 + 25.0°  
Efficiency 75 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C19333\_DALINE-10-SHD1-MATT



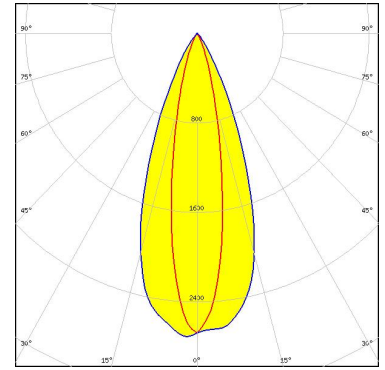
Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LH151B  
FWHM / FWTM 40.0 + 20.0°  
Efficiency 82 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:  
C19333\_DALINE-10-SHD1-MATT

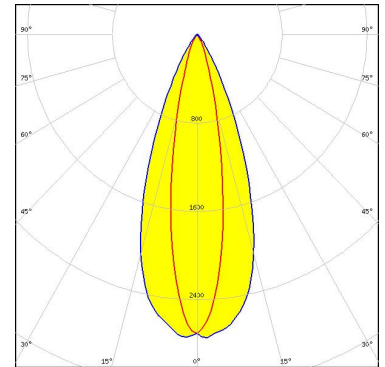


Light distribution files

#### SAMSUNG

LED LH151B  
FWHM / FWTM 40.0 + 20.0°  
Efficiency 85 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:  
C19509\_DALINE-10-SHD1-WHT-MATT

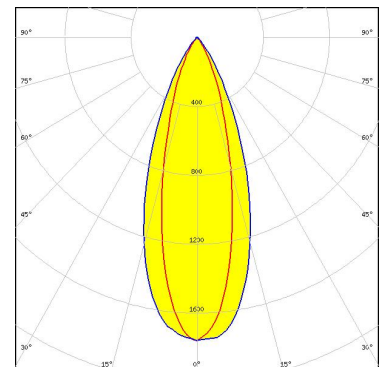


Light distribution files

#### SAMSUNG

LED LH181B  
FWHM / FWTM 40.0 + 28.0°  
Efficiency 72 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:  
C19333\_DALINE-10-SHD1-MATT



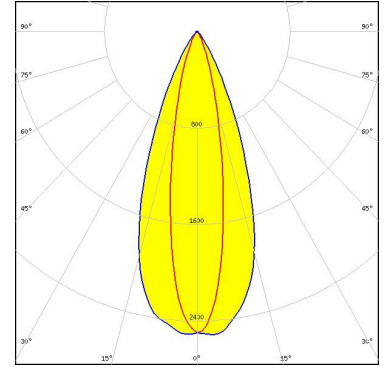
Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LM101B  
FWHM / FWTM 41.0 + 20.0°  
Efficiency 80 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:  
C19333\_DALINE-10-SHD1-MATT

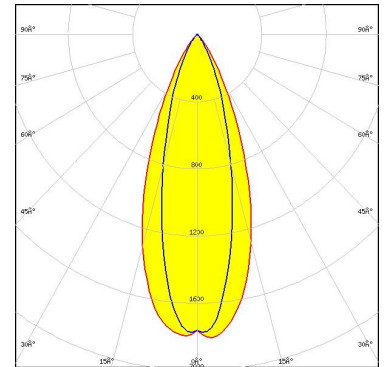


Light distribution files

#### SAMSUNG

LED LM28xB Series  
FWHM / FWTM 40.0 + 28.0° / 70.0 + 58.0°  
Efficiency 75 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:  
C19618\_DALINE-10-SHD2-MATT

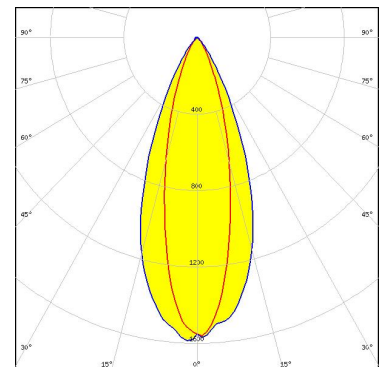


Light distribution files

#### SAMSUNG


LED LM301B  
FWHM / FWTM 42.0 + 26.0°  
Efficiency 65 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:  
C19618\_DALINE-10-SHD2-MATT


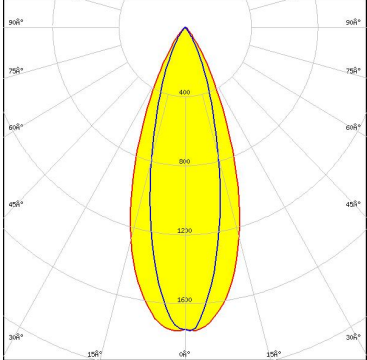


Light distribution files


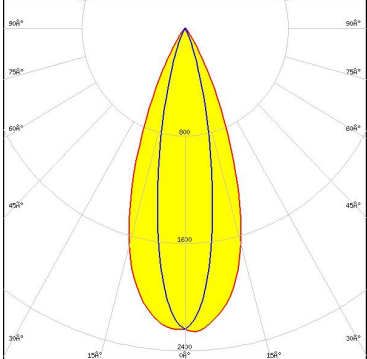
### OPTICAL RESULTS (SIMULATED):

 <small>SEOUL SEMICONDUCTOR</small>		
LED	SEOUL 3030	
FWHM / FWTM	40.0 + 26.0° / 68.0 + 56.0°	
Efficiency	77 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components: C19618_DALINE-10-SHD2-MATT		

Light distribution files

 <small>SEOUL SEMICONDUCTOR</small>		
LED	SEOUL DC 3528	
FWHM / FWTM	40.0 + 28.0° / 70.0 + 56.0°	
Efficiency	74 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components: C19618_DALINE-10-SHD2-MATT		

Light distribution files

 <small>SEOUL SEMICONDUCTOR</small>		
LED	Z8Y11	
FWHM / FWTM	40.0 + 22.0° / 64.0 + 42.0°	
Efficiency	69 %	
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components: C19618_DALINE-10-SHD2-MATT		

Light distribution files

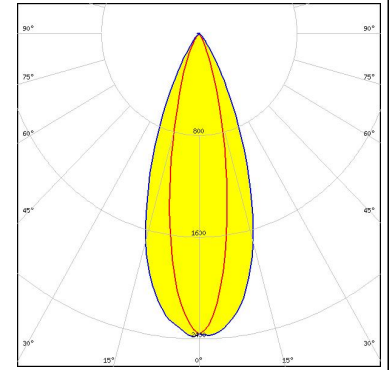
### OPTICAL RESULTS (SIMULATED):

#### LEDiL<sup>®</sup>

LED CSP1919  
FWHM / FWTM 40.0 + 23.0°  
Efficiency 78 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C19333\_DALINE-10-SHD1-MATT



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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