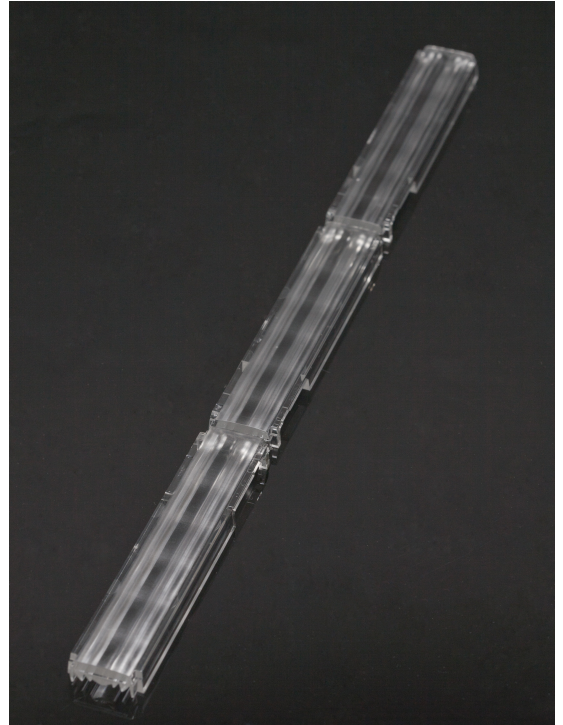


## FLORENCE-1R-O

~95° + 30° oval beam

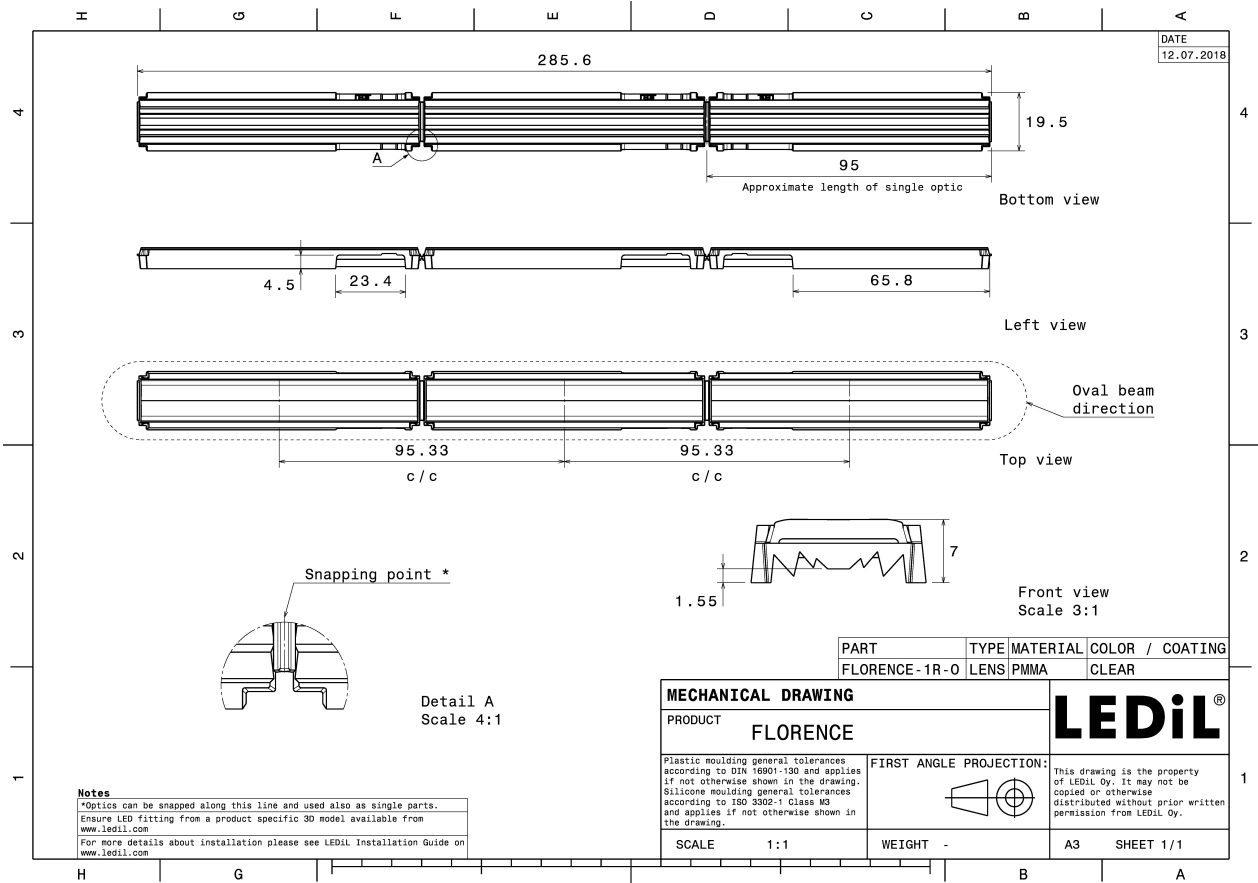
### TECHNICAL SPECIFICATIONS:

Dimensions	285.6 x 19.5 mm
Height	7 mm
Fastening	glue, clips
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	7.1 kg
Quantity in Box	210 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

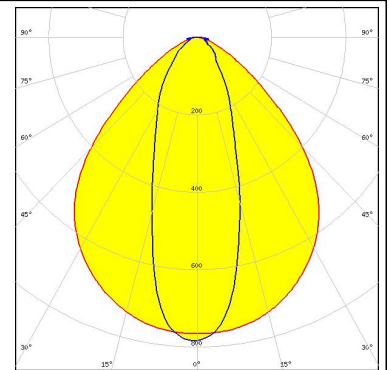
Component	Type	Material	Colour
FLORENCE-1R-O	Linear lens	PMMA	clear



#### PHOTOMETRIC DATA (MEASURED):

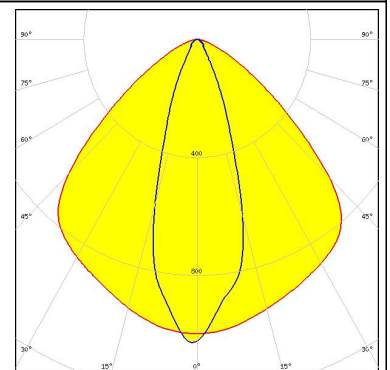
#### CEZOS

LED L0-280024-xxx-C0800-L267  
 FWHM 92.0 + 35.0°  
 Efficiency 91 %  
 Peak intensity 0.780 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



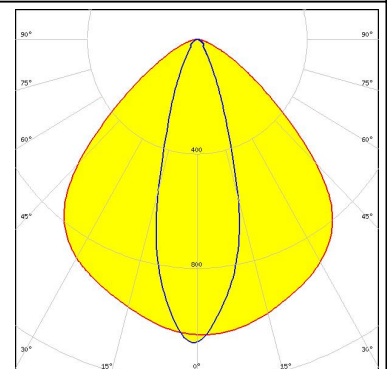
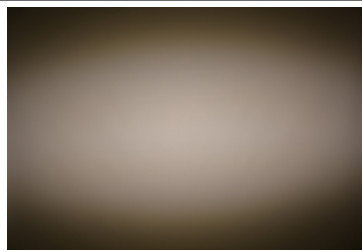
#### LUMILEDS

LED LUXEON 3014  
 FWHM 98.0 + 33.0°  
 Efficiency 93 %  
 Peak intensity 1.030 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



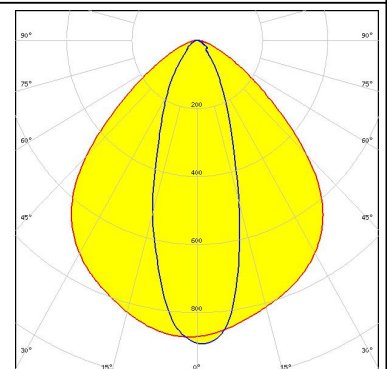
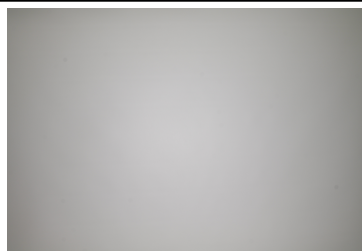
#### LUMILEDS

LED LUXEON 3020  
 FWHM 95.0 + 31.0°  
 Efficiency 93 %  
 Peak intensity 1.060 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

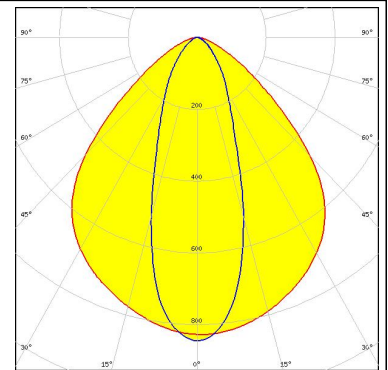
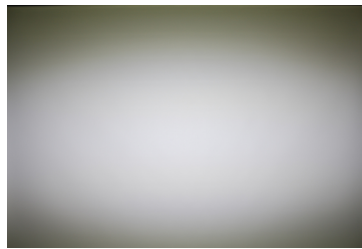
LED LUXEON 3030 2D (Round LES)  
 FWHM 93.0 + 34.0°  
 Efficiency 91 %  
 Peak intensity 0.890 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

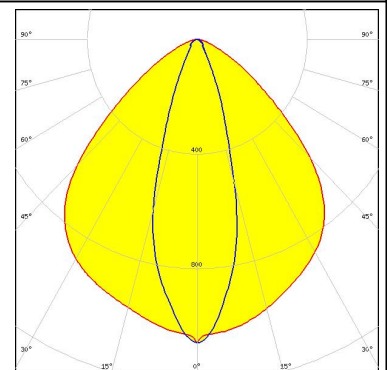
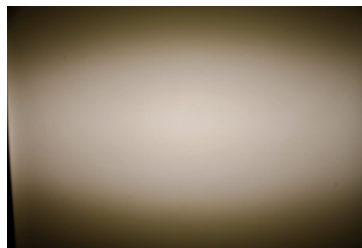
##### LUMILEDS

LED LUXEON 3535L  
 FWHM 93.0 + 35.0°  
 Efficiency 93 %  
 Peak intensity 0.850 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



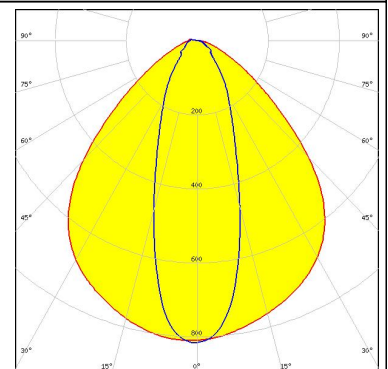
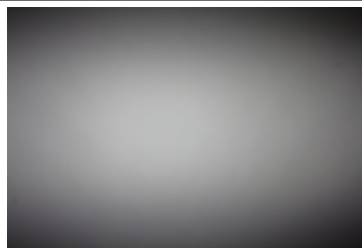
##### LUMINUS

LED MP-2016  
 FWHM 94.0 + 31.0°  
 Efficiency 92 %  
 Peak intensity 1.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



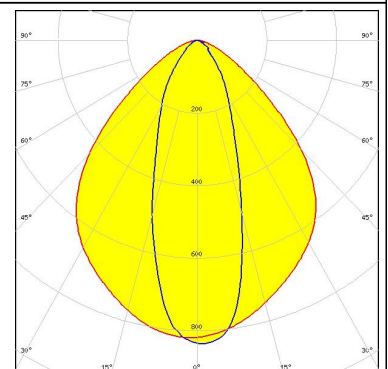
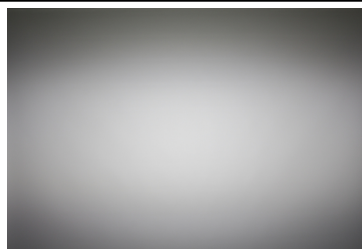
##### NICHIA

LED NF2x757D  
 FWHM 93.0 + 34.0°  
 Efficiency 94 %  
 Peak intensity 0.820 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


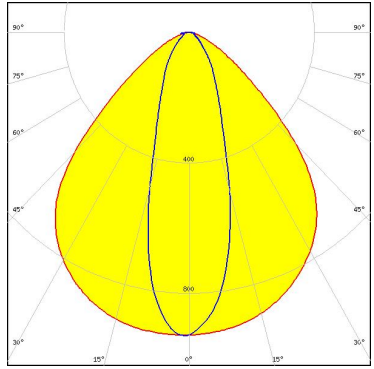

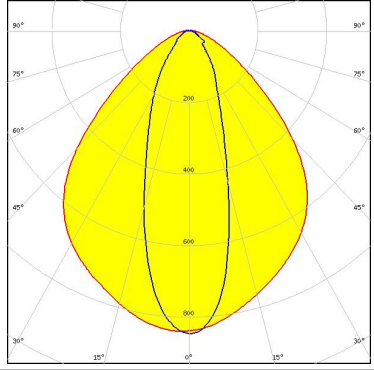

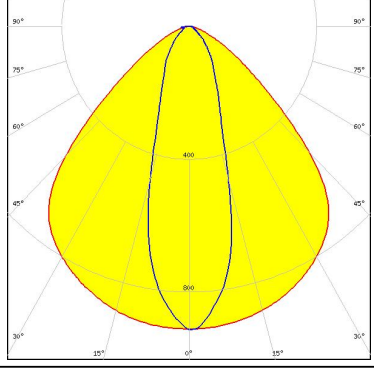
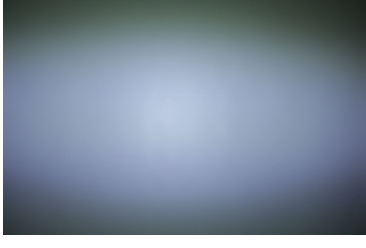
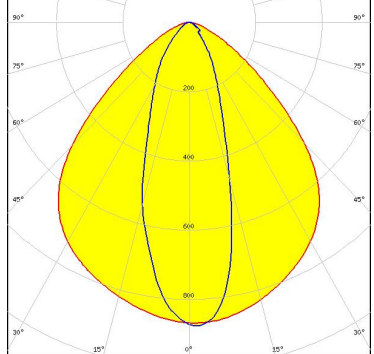


##### NICHIA

LED NF2x757G  
 FWHM 92.0 + 35.0°  
 Efficiency 90 %  
 Peak intensity 0.870 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



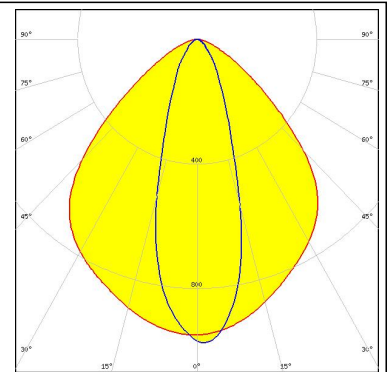
#### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NFSW757H            FWHM 92.0 + 31.0°            Efficiency 94 %            Peak intensity 0.931 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14353_FLORENCE-1R-CLIP-A</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris S5 (2 chip)            FWHM 92.0 + 33.0°            Efficiency 91 %            Peak intensity 0.850 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>PHILIPS</b></p> <p>LED Fortimo LED Line 1ft 2000lm 1R HV4            FWHM 95.0 + 31.0°            Efficiency 94 %            Peak intensity 0.910 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14353_FLORENCE-1R-CLIP-A</p>		
<p><b>SAMSUNG</b></p> <p>LED LM28xB Series            FWHM 94.0 + 34.0°            Efficiency 93 %            Peak intensity 0.880 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

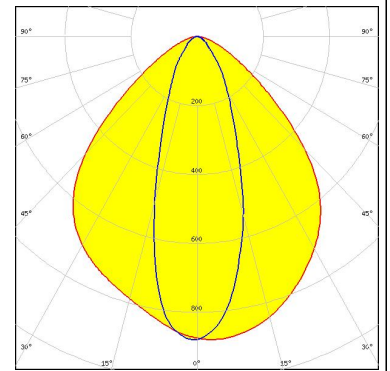
#### SAMSUNG

LED LM301A  
 FWHM 93.0 + 32.0°  
 Efficiency 92 %  
 Peak intensity 0.975 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



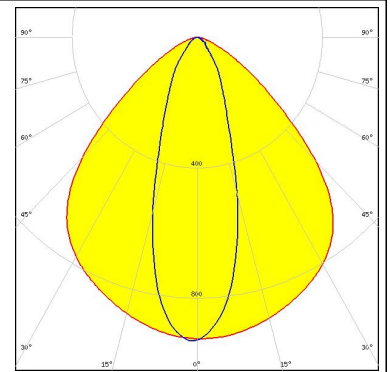
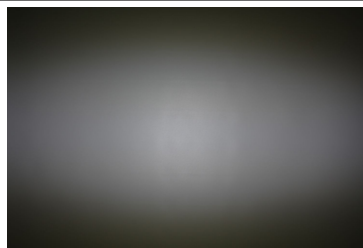
#### SAMSUNG

LED LM302A  
 FWHM 92.0 + 34.0°  
 Efficiency 92 %  
 Peak intensity 0.880 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



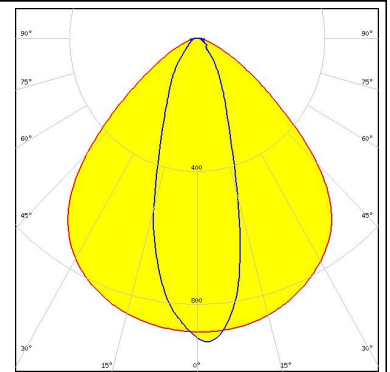
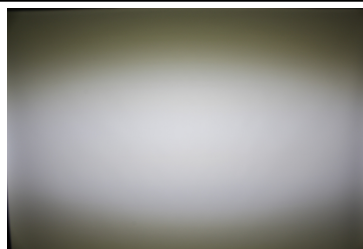
#### SAMSUNG

LED LM561C  
 FWHM 94.0 + 32.0°  
 Efficiency 93 %  
 Peak intensity 0.930 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


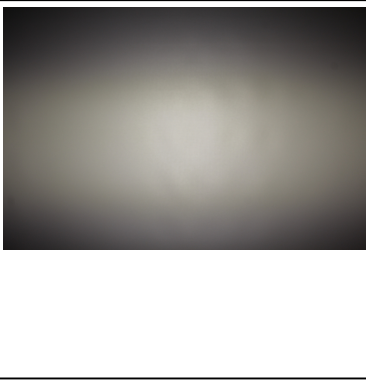
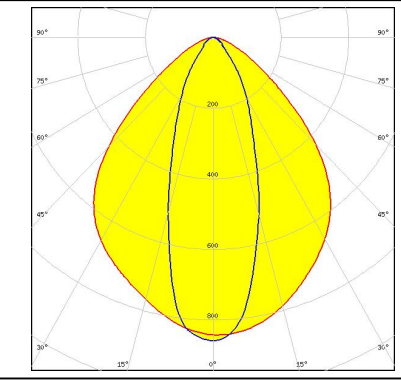

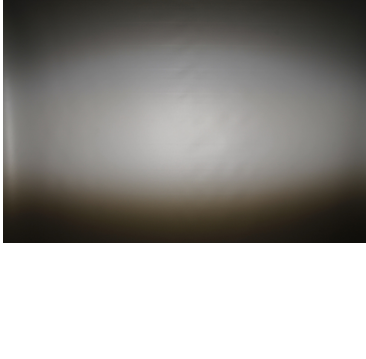
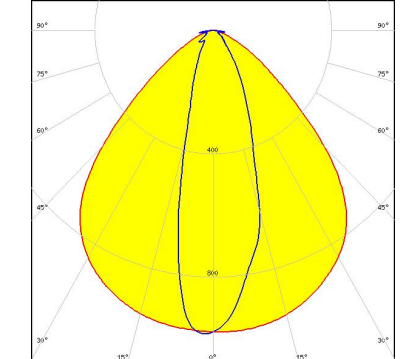


#### SAMSUNG

LED LT-S282N  
 FWHM 95.0 + 32.0°  
 Efficiency 93 %  
 Peak intensity 0.910 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**PHOTOMETRIC DATA (MEASURED):**

<p> SEOUL SEMICONDUCTOR</p> <p>LED                    SEOUL 3030 FWHM                91.0 + 35.0° Efficiency            90 % Peak intensity      0.860 cd/lm LEDs/each optic    1 Light colour        White Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED                    SEOUL DC 3030 FWHM                92.0 + 30.0° Efficiency            94 % Peak intensity      0.990 cd/lm LEDs/each optic    1 Light colour        White Required components:   C14353_FLORENCE-1R-CLIP-A</p>		

#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CZ            FWHM 95.0 + 33.0°            Efficiency 94 %            Peak intensity 1.080 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris E 2835            FWHM 92.0 + 30.0°            Efficiency 94 %            Peak intensity 0.950 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris E5            FWHM 92.0 + 32.0°            Efficiency 94 %            Peak intensity 0.950 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED SEOUL DC 3030C            FWHM 98.0 + 32.0°            Efficiency 95 %            Peak intensity 0.961 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	



#### 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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