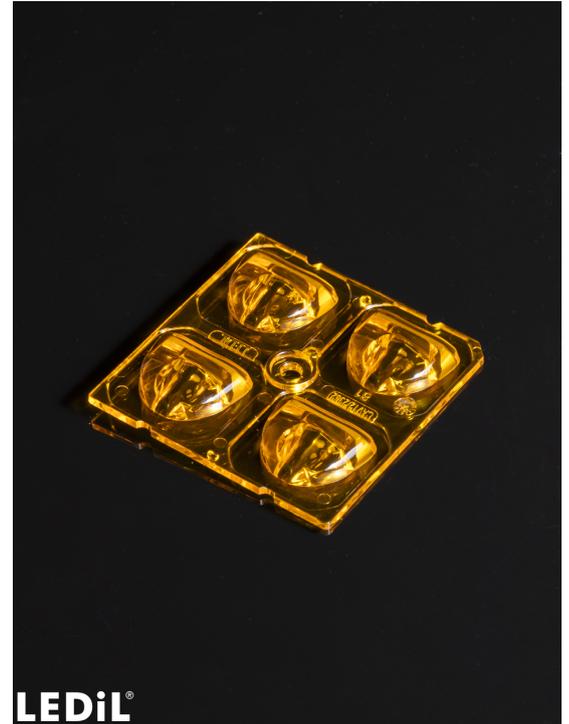


## AMBER-2X2-DWC

Universal road lighting beam with excellent mixed illuminance and luminance uniformity. Typically IESNA Type III (medium).

### SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	6 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ

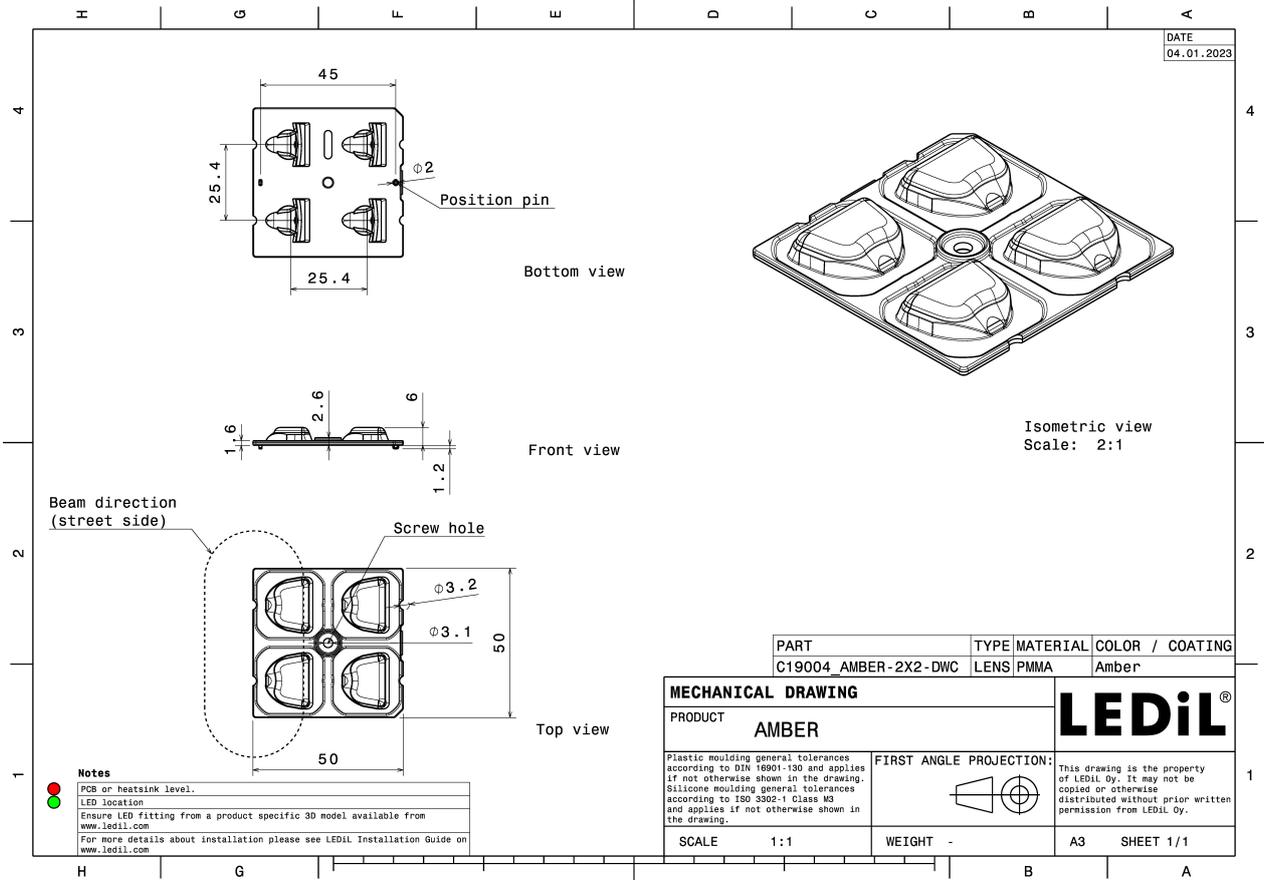


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMBER-2X2-DWC	Multi-lens	PMMA	amber		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C19004_AMBER-2X2-DWC » Box size: 480 x 280 x 300 mm	800	160	160	5.7

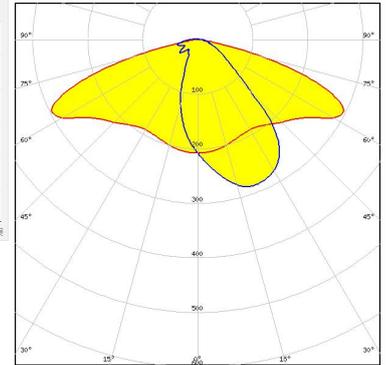
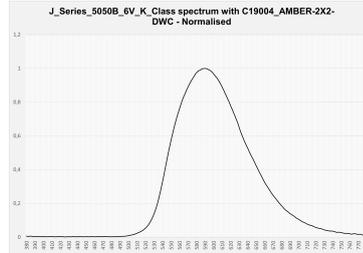


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



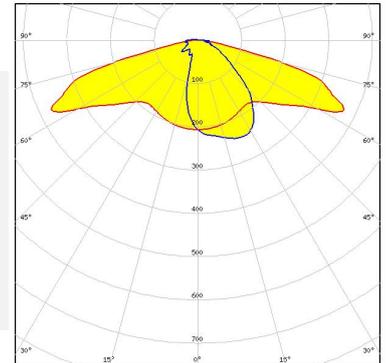
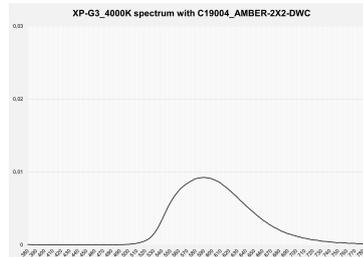
**LED** J Series 5050B 6V K Class  
**FWHM / FWTM** Asymmetric  
**Efficiency** 74 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Amount of Blue light (380-500 nm)** 0.4 %  
**CCT (LED/with lens)\*** 3763K/2251K  
**Required components:**



\*the measured CCT with lens doesn't follow the Black Body Locus line



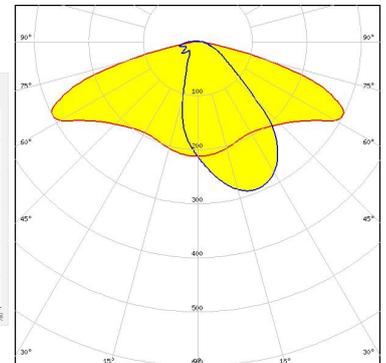
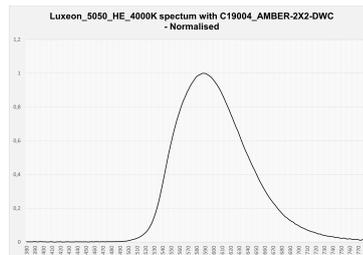
**LED** XP-G3  
**FWHM / FWTM** Asymmetric  
**Efficiency** 73 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Amount of Blue light (380-500 nm)** 0.3 %  
**CCT (LED/with lens)\*** 3844K/2282K  
**Required components:**



Light distribution files



**LED** LUXEON 5050 HE  
**FWHM / FWTM** Asymmetric  
**Efficiency** 73 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Amount of Blue light (380-500 nm)** 0.4 %  
**CCT (LED/with lens)\*** 3854K/2291K  
**Required components:**

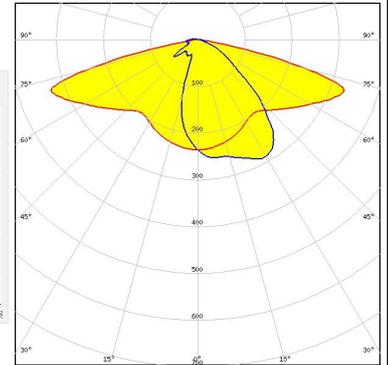
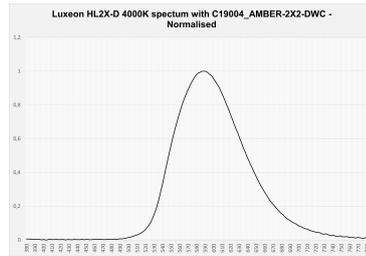


Light distribution files

#### OPTICAL RESULTS (MEASURED):



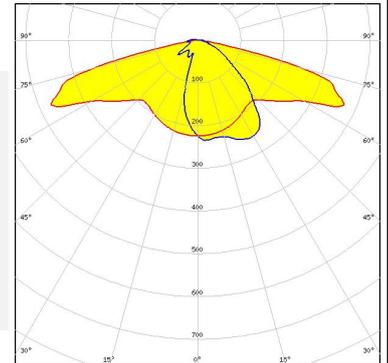
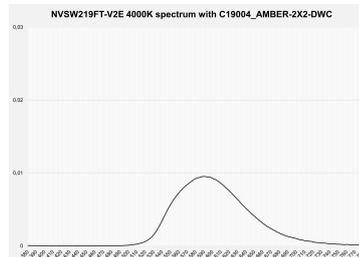
**LED** LUXEON HL2X-D  
**FWHM / FWTM** Asymmetric  
**Efficiency** 73 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Amount of Blue light (380-500 nm)** 0.4 %  
**CCT (LED/with lens)\*** 3900K/2296K  
**Required components:**



Light distribution files



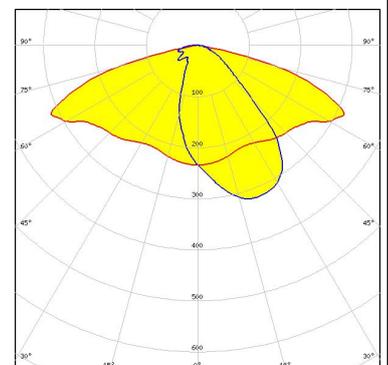
**LED** NVSW219F  
**FWHM / FWTM** Asymmetric  
**Efficiency** 73 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Amount of Blue light (380-500 nm)** 0.4 %  
**CCT (LED/with lens)\*** 3832K/2275K  
**Required components:**



Light distribution files



**LED** Duris S8  
**FWHM / FWTM** Asymmetric  
**Efficiency** 80 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

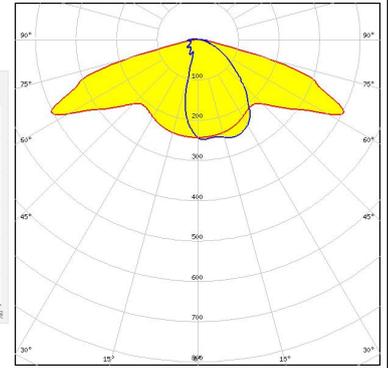
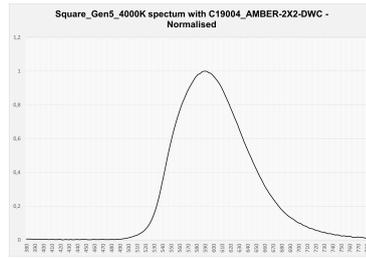


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

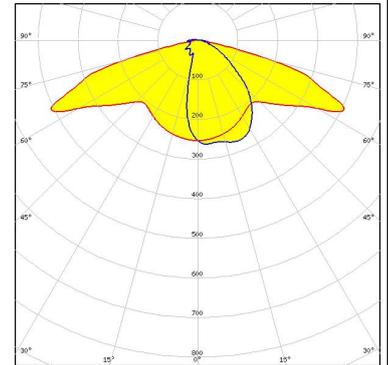
LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM Asymmetric  
 Efficiency 73 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Amount of Blue light (380-500 nm) 0.4 %  
 CCT (LED/with lens)\* 3898K/2274K  
 Required components:



Light distribution files

**PHILIPS**

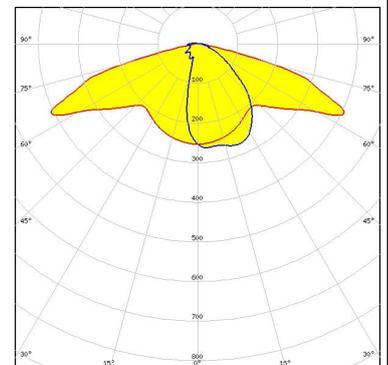
LED Fortimo FastFlex LED 2x8 DA G4+  
 FWHM / FWTM Asymmetric  
 Efficiency 68 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**PHILIPS**

LED Fortimo FastFlex LED 2x8 DA G5  
 FWHM / FWTM Asymmetric  
 Efficiency 72 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

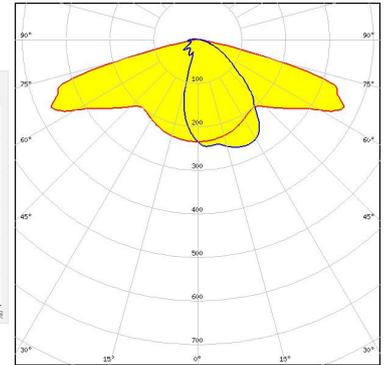
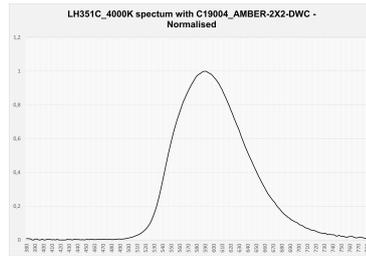


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

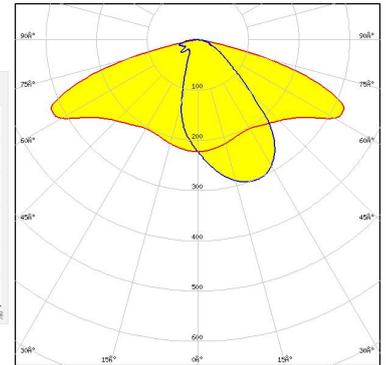
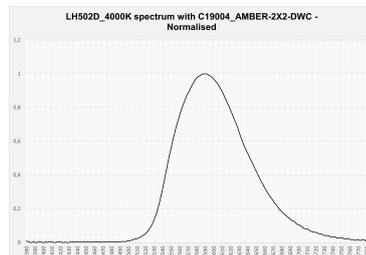
**LED** LH351C  
**FWHM / FWTM** Asymmetric  
**Efficiency** 73 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Amount of Blue light (380-500 nm)** 0.4 %  
**CCT (LED/with lens)\*** 3773K/2277K  
**Required components:**



Light distribution files

### SAMSUNG

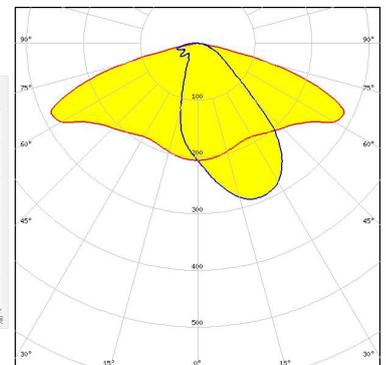
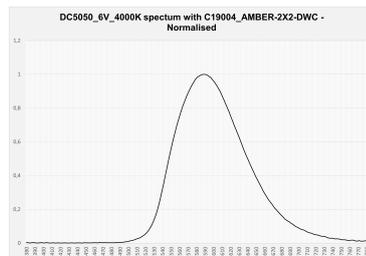
**LED** LH502D  
**FWHM / FWTM** Asymmetric  
**Efficiency** 73 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Amount of Blue light (380-500 nm)** 0.4 %  
**CCT (LED/with lens)\*** 3785K/2233K  
**Required components:**



Light distribution files

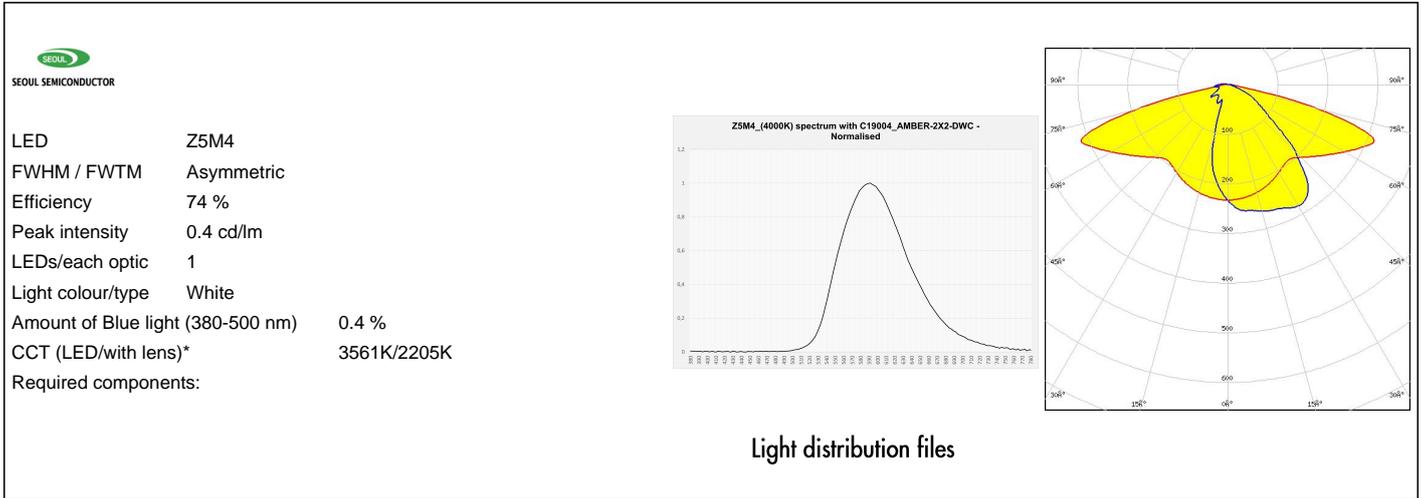


**LED** SEOUL DC 5050 6V  
**FWHM / FWTM** Asymmetric  
**Efficiency** 73 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Amount of Blue light (380-500 nm)** 0.5 %  
**CCT (LED/with lens)\*** 3988K/2270K  
**Required components:**



Light distribution files

#### OPTICAL RESULTS (MEASURED):



#### 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.

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