

## AMBER-2X2-T4

IESNA Type IV beam for wider roads and large outdoor area.

## SPECIFICATION:

|                |                |
|----------------|----------------|
| Dimensions     | 50.0 x 50.0 mm |
| Height         | 7.7 mm         |
| Fastening      | pin, screw     |
| ROHS compliant | yes ⓘ          |

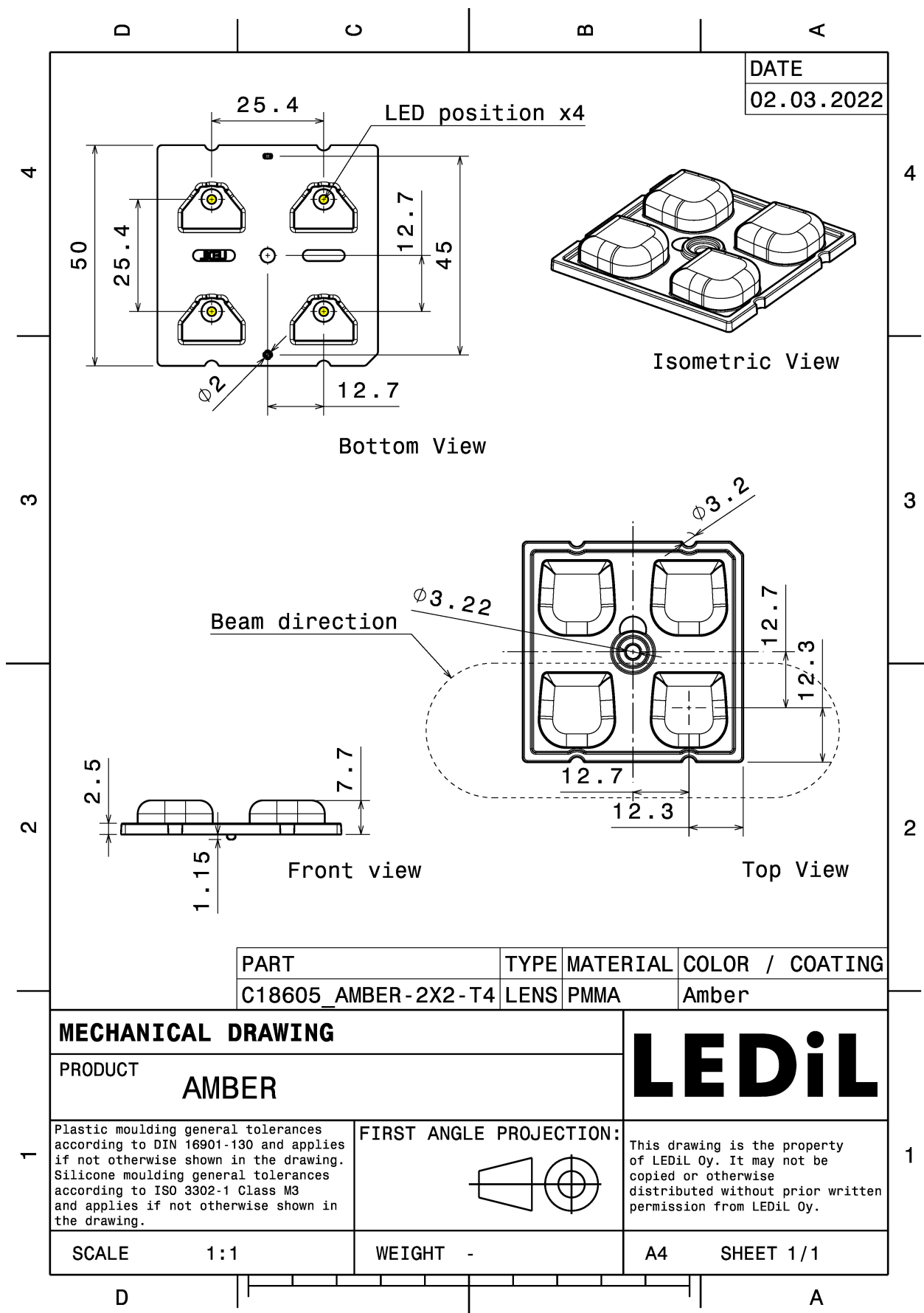


## MATERIALS:

| Component    | Type       | Material | Colour | Finish | Length (mm) |
|--------------|------------|----------|--------|--------|-------------|
| AMBER-2X2-T4 | Multi-lens | PMMA     | amber  |        |             |

## ORDERING INFORMATION:

| Component                      | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| C18605_AMBER-2X2-T4            | 800        | 160 | 160 | 7.6             |
| » Box size: 480 x 280 x 300 mm |            |     |     |                 |

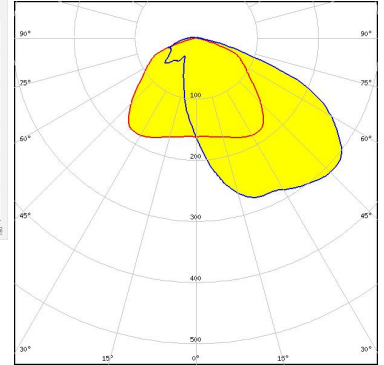
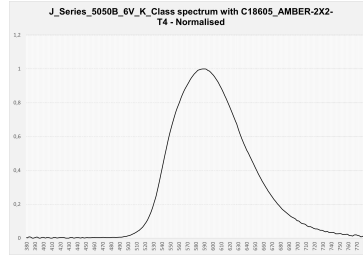


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



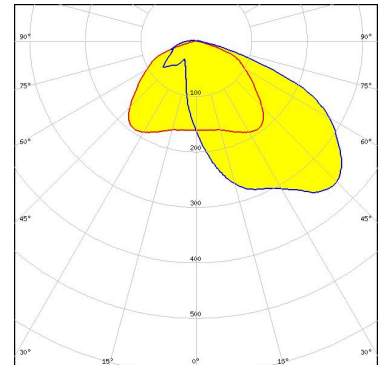
LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Amount of Blue light (380-500 nm) 0.4 %  
 CCT (LED/with lens)\* 3763K/2369K  
 Required components:



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



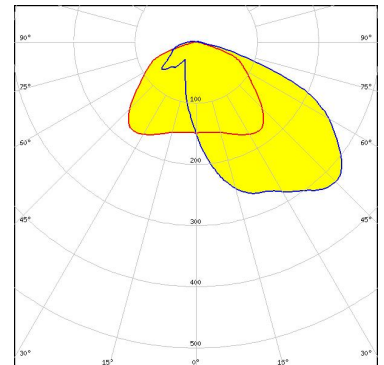
LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

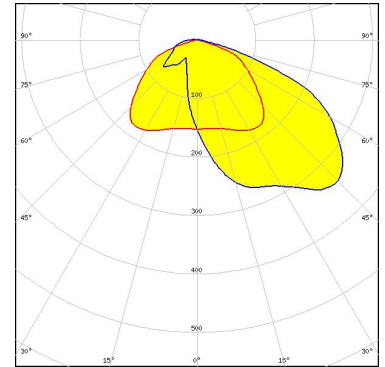


Light distribution files

#### OPTICAL RESULTS (MEASURED):



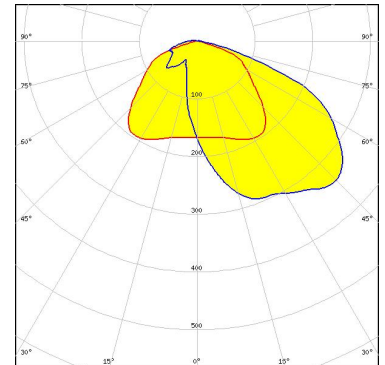
LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



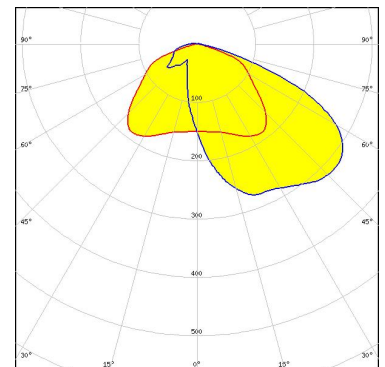
LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



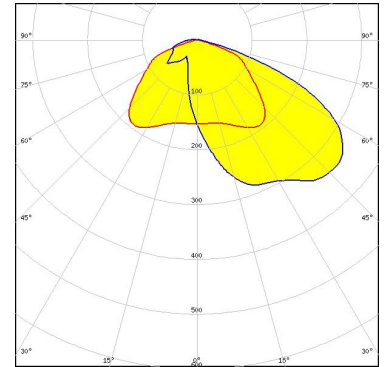
Light distribution files



#### OPTICAL RESULTS (MEASURED):



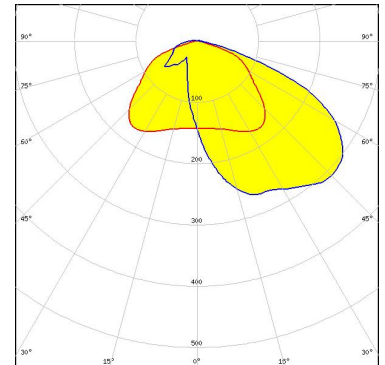
LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



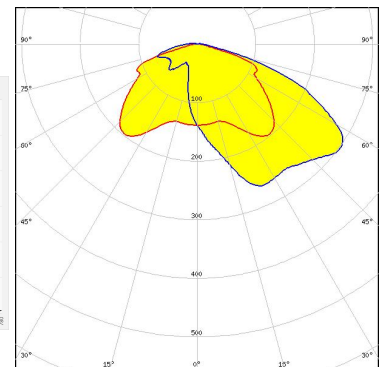
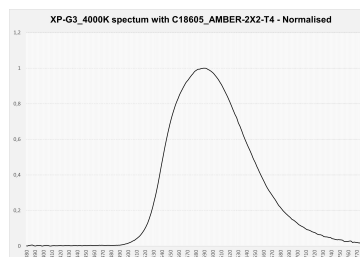
LED J Series 5050C 6V E Class  
 FWHM / FWTM Asymmetric  
 Efficiency 75 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 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)\* 3838K/2419K  
 Required components:

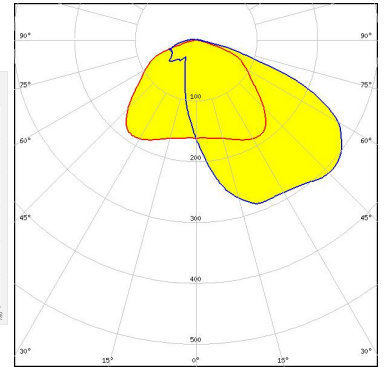
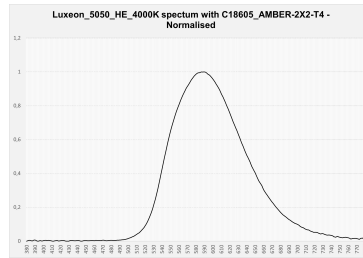


Light distribution files

#### OPTICAL RESULTS (MEASURED):



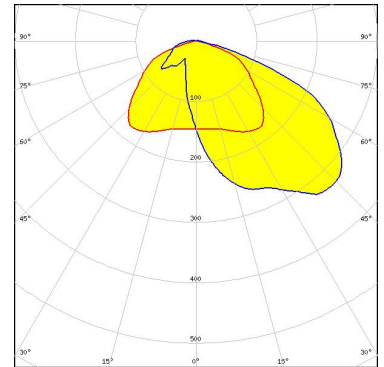
LED LUXEON 5050 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Amount of Blue light (380-500 nm) 0.4 %  
 CCT (LED/with lens)\* 3854K/2412K  
 Required components:



Light distribution files



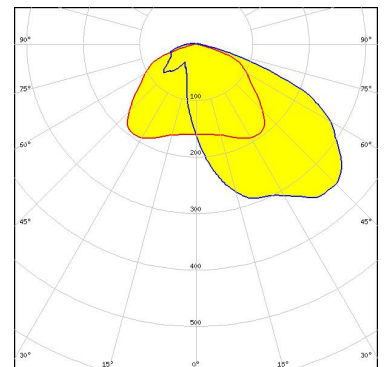
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

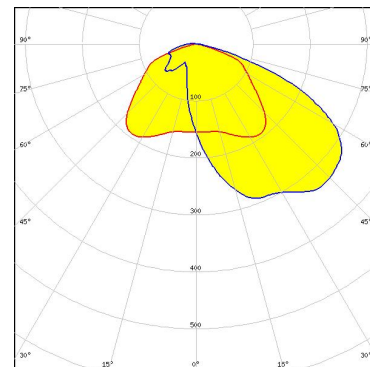


Light distribution files

### OPTICAL RESULTS (MEASURED):



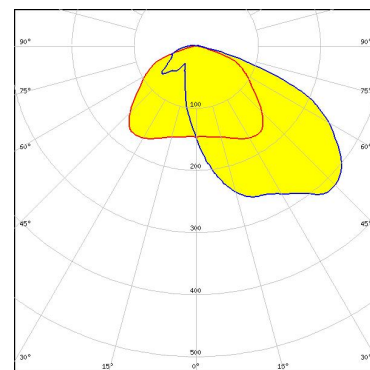
LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 80 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



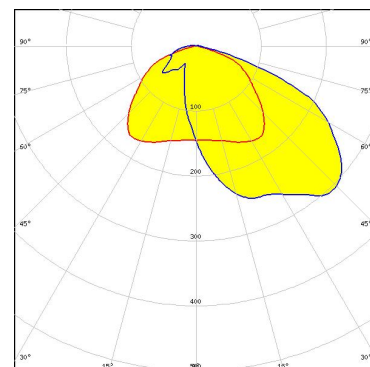
LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 75 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 73 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

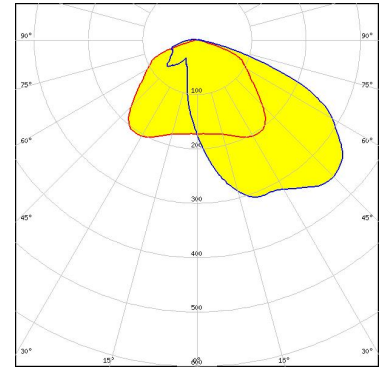


Light distribution files

#### OPTICAL RESULTS (MEASURED):



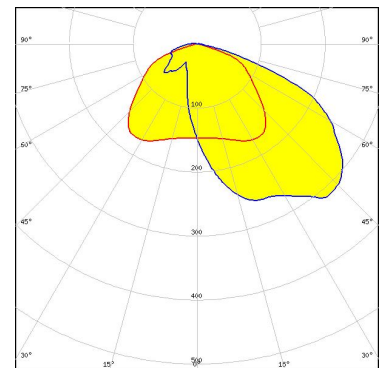
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



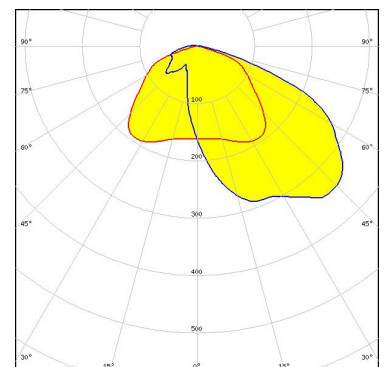
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

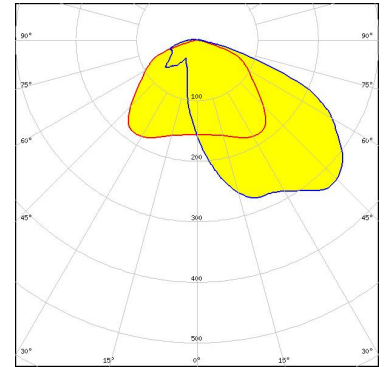


Light distribution files

#### OPTICAL RESULTS (MEASURED):



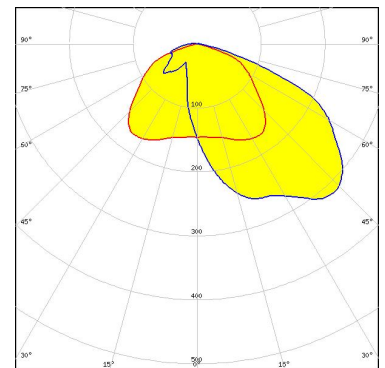
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



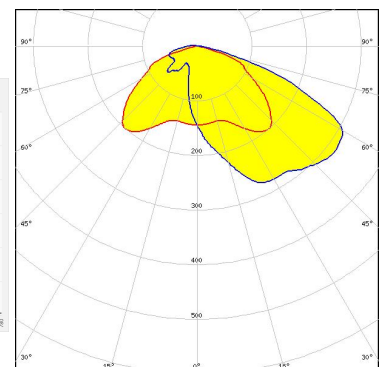
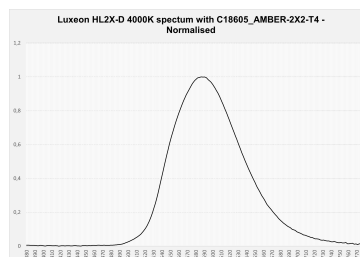
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON HL2X-D  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Amount of Blue light (380-500 nm) 0.6 %  
 CCT (LED/with lens)\* 3902K/2431K  
 Required components:

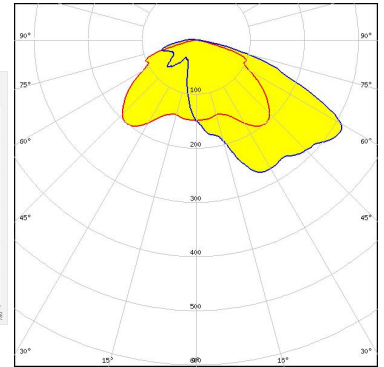
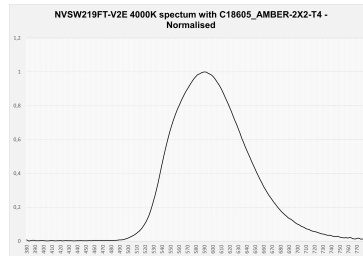


Light distribution files

#### OPTICAL RESULTS (MEASURED):



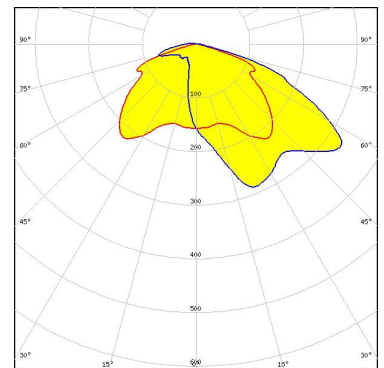
|                                   |             |
|-----------------------------------|-------------|
| LED                               | NVSW219F    |
| FWHM / FWTM                       | Asymmetric  |
| Efficiency                        | 78 %        |
| Peak intensity                    | 0.5 cd/lm   |
| LEDs/each optic                   | 1           |
| Light colour/type                 | White       |
| Amount of Blue light (380-500 nm) | 0.5 %       |
| CCT (LED/with lens)*              | 3836K/2415K |
| Required components:              |             |



Light distribution files



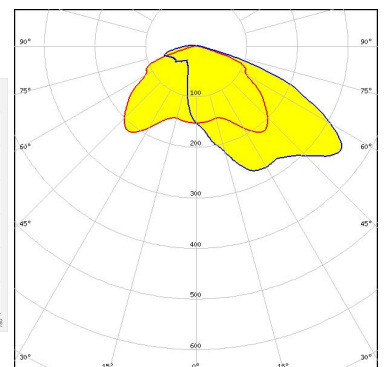
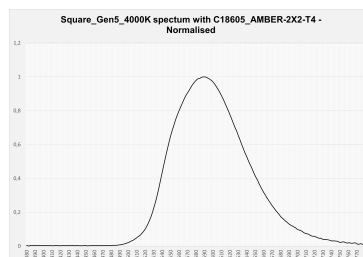
|                      |                            |
|----------------------|----------------------------|
| LED                  | OSLON Square CSSRM2/CSSRM3 |
| FWHM / FWTM          | Asymmetric                 |
| Efficiency           | 76 %                       |
| Peak intensity       | 0.5 cd/lm                  |
| LEDs/each optic      | 1                          |
| Light colour/type    | White                      |
| Required components: |                            |



Light distribution files



|                                   |                            |
|-----------------------------------|----------------------------|
| LED                               | OSLON Square CSSRM2/CSSRM3 |
| FWHM / FWTM                       | Asymmetric                 |
| Efficiency                        | 78 %                       |
| Peak intensity                    | 0.5 cd/lm                  |
| LEDs/each optic                   | 1                          |
| Light colour/type                 | White                      |
| Amount of Blue light (380-500 nm) | 0.5 %                      |
| CCT (LED/with lens)*              | 3898K/2401K                |
| Required components:              |                            |

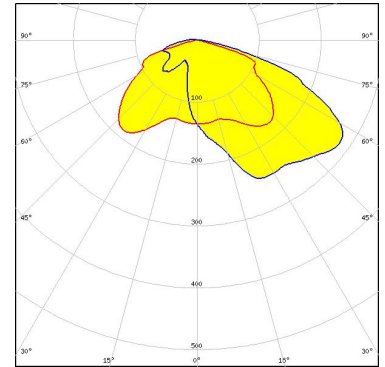


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### PHILIPS

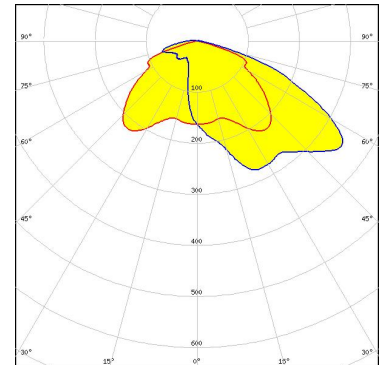
|                      |                                 |
|----------------------|---------------------------------|
| LED                  | Fortimo FastFlex LED 2x8 DA G4+ |
| FWHM / FWTM          | Asymmetric                      |
| Efficiency           | 74 %                            |
| Peak intensity       | 0.4 cd/lm                       |
| LEDs/each optic      | 1                               |
| Light colour/type    | White                           |
| Required components: |                                 |



Light distribution files

#### PHILIPS

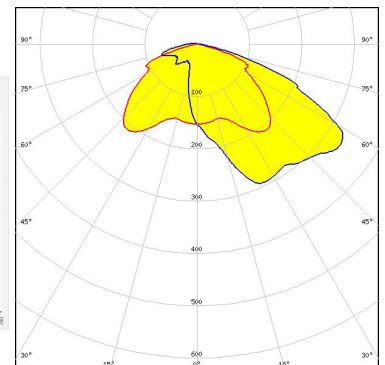
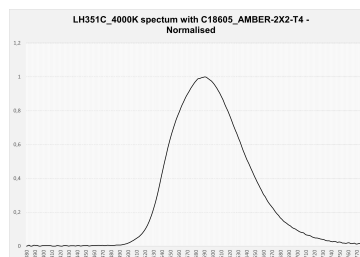
|                      |                                |
|----------------------|--------------------------------|
| LED                  | Fortimo FastFlex LED 2x8 DA G5 |
| FWHM / FWTM          | Asymmetric                     |
| Efficiency           | 78 %                           |
| Peak intensity       | 0.5 cd/lm                      |
| LEDs/each optic      | 1                              |
| Light colour/type    | White                          |
| Required components: |                                |



Light distribution files

#### SAMSUNG

|                                   |             |
|-----------------------------------|-------------|
| LED                               | LH351C      |
| FWHM / FWTM                       | Asymmetric  |
| Efficiency                        | 78 %        |
| 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/2402K |
| Required components:              |             |



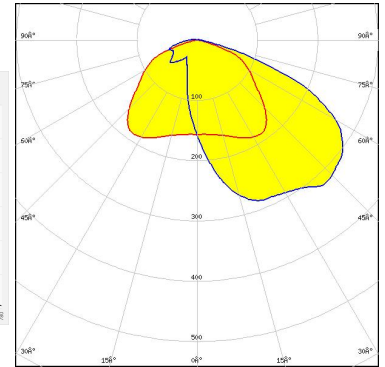
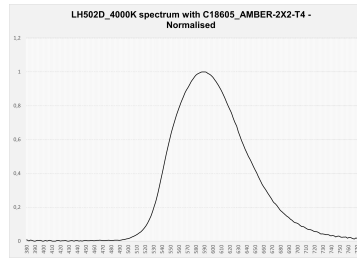
Light distribution files



#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

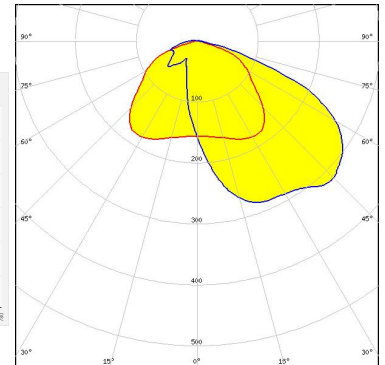
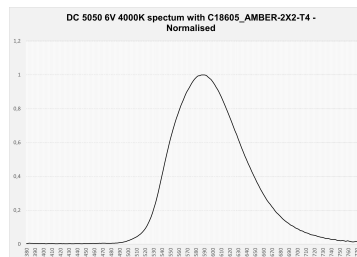
|                                   |             |
|-----------------------------------|-------------|
| LED                               | LH502D      |
| FWHM / FWTM                       | Asymmetric  |
| Efficiency                        | 78 %        |
| Peak intensity                    | 0.4 cd/lm   |
| LEDs/each optic                   | 1           |
| Light colour/type                 | White       |
| Amount of Blue light (380-500 nm) | 0.4 %       |
| CCT (LED/with lens)*              | 3785K/2349K |
| Required components:              |             |



Light distribution files



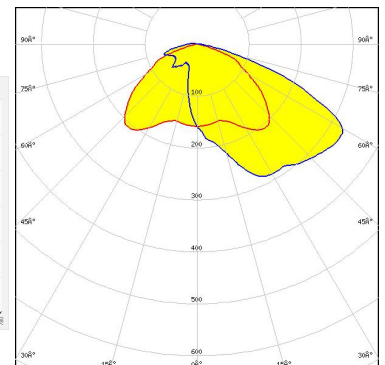
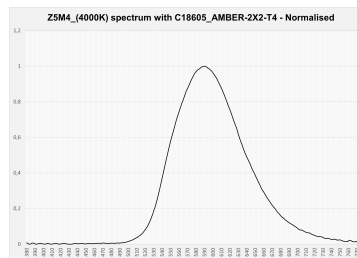
|                                   |                  |
|-----------------------------------|------------------|
| LED                               | SEOUL DC 5050 6V |
| FWHM / FWTM                       | Asymmetric       |
| Efficiency                        | 77 %             |
| Peak intensity                    | 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)*              | 3995K/2397K      |
| Required components:              |                  |



Light distribution files



|                                   |             |
|-----------------------------------|-------------|
| LED                               | Z5M4        |
| FWHM / FWTM                       | Asymmetric  |
| Efficiency                        | 80 %        |
| 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)*              | 3561K/2320K |
| Required components:              |             |



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:

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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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#### LEDiL Oy

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#### Ledil Optics Technology (Shenzhen) Co., Ltd.

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Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Poznan, Poland  
Hong Kong, China

#### Distribution Partners

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where\\_to\\_buy](http://www.ledil.com/where_to_buy)