

## FLORENCE-1R-Z60

~60° + 110° medium beam

### **TECHNICAL SPECIFICATIONS:**

Dimensions

Height Fastening ROHS compliant 19.5 x 286.0 mm 7.6 mm clips yes <sup>(1)</sup>

### **MATERIAL SPECIFICATIONS:**

Component FLORENCE-1R-Z60 **Type** Linear lens



F14468\_FLORENCE-1R-Z60

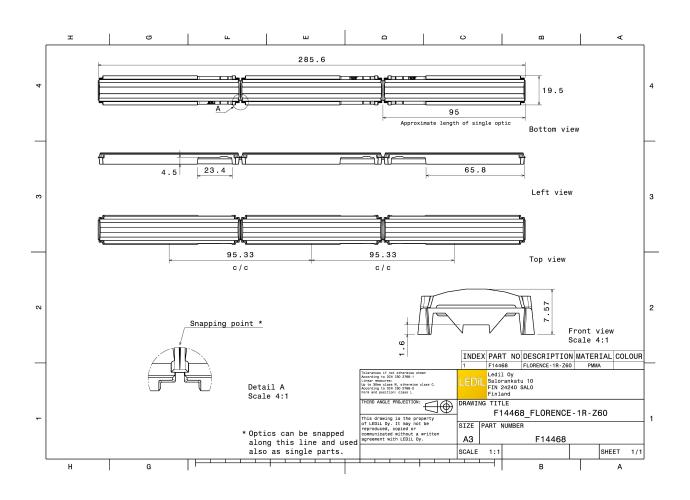
**Material** PMMA **Colour** clear Finish

PRODUCT DATASHEET

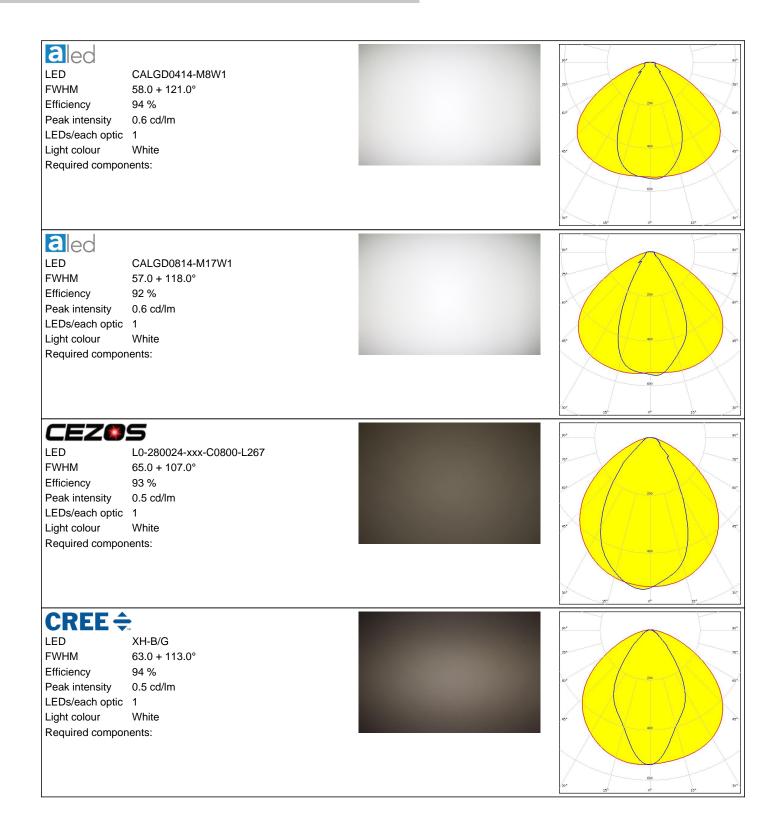
### **ORDERING INFORMATION:**

Component F14468\_FLORENCE-1R-Z60 » Box size: 398 x 298 x 265 mm

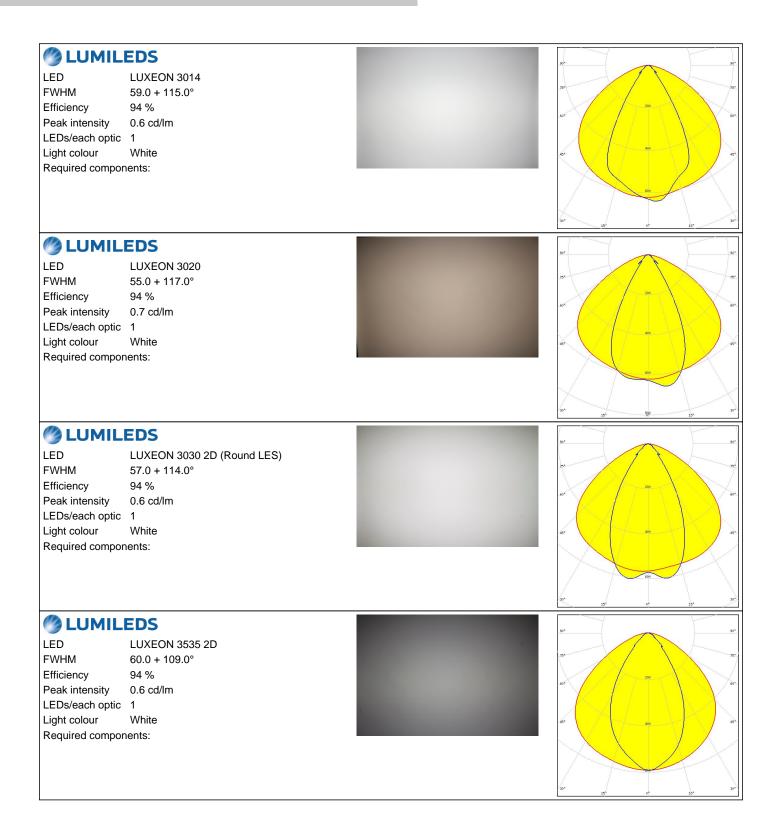
| Qty in box | MOQ | MPQ | Box weight (kg) |
|------------|-----|-----|-----------------|
| 165        | 45  | 15  | 7.1             |



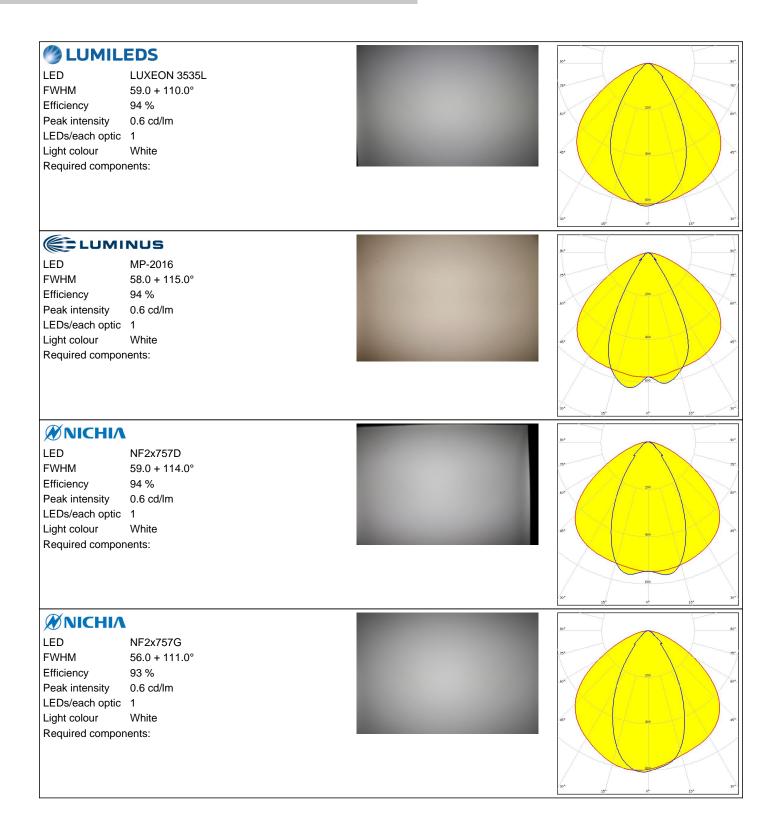














| ØΝΙCΗΙΛ   |  |   |
|---|--|---|
| LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor                                 | NF2x757G<br>112.0 + 52.0°<br>70 %<br>0.5 cd/lm<br>1<br>White | 5°<br>50°<br>6°<br>6°<br>6°<br>6°<br>6°<br>6°<br>6°<br>6°<br>6°<br>6          |
| <b>NICHIA</b><br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor<br>C14353_FLOR | NFSW757H<br>107.0 + 60.0°<br>94 %<br>0.6 cd/lm<br>1<br>White | 50°<br>50°<br>50°<br>50°<br>50°<br>50°<br>50°<br>50°                          |
| OSRAM<br>Opto Semiconductors<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor | White  | 200<br>200<br>60<br>200<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60 |
| Opto Semiconductors<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor          | White  |   |

PRODUCT DATASHEET

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| SAMSU<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor<br>C14409_FLOR | LM28xB Series<br>111.0 + 59.0°<br>94 %<br>0.6 cd/lm<br>1<br>White | 200<br>200<br>200<br>200<br>200<br>200<br>200<br>200 |
|---|---|--|
| SAMSU<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor                | LM28xB Series<br>57.0 + 113.0°<br>94 %<br>0.6 cd/lm<br>1<br>White |  |
| SAMSU<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor                | LM301A<br>56.0 + 113.0°<br>94 %<br>0.6 cd/lm<br>1<br>White        |  |
| SAMSU<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor                | LM302A<br>59.0 + 111.0°<br>94 %<br>0.6 cd/lm<br>1<br>White        |  |

PRODUCT DATASHEET

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## PHOTOMETRIC DATA (MEASURED):

| SAMSU<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor                | LM561B<br>59.0 + 111.0°<br>94 %<br>0.6 cd/lm<br>1<br>White      | 20 <sup>1</sup><br>20 |
|---|---|--|
| SAMSU<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor<br>C14353_FLOR | LM561B Plus<br>117.0 + 58.0°<br>94 %<br>0.6 cd/lm<br>1<br>White |  |
| SAMSU<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor                | LM561C<br>56.0 + 113.0°<br>94 %<br>0.6 cd/lm<br>1<br>White      |  |
| SAMSU<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor                | LT-S282N<br>56.0 + 112.0°<br>94 %<br>0.6 cd/Im<br>1<br>White    |  |



## PHOTOMETRIC DATA (MEASURED):

| scoul SEMICONDUCTOR<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor                | White | 30°     30°     30°       30°     00°     00°       30°     00°     00° |
|---|-------|---|
| scoul semiconductor<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required compor<br>C14353_FLOR | White | 200<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60               |



## PHOTOMETRIC DATA (SIMULATED):

| WHM   50.0 + 107.0°     Efficiency   94 %     Pack Intensity   0.7 cd/m     LEDsteach optic   1     Light colour   White     Required components:   Image: Color of the color o   |   |   |  |
|---|---|---|--|
| ED   LUXEON 2835 Line     WHM   59.0 + 107.0°     Winkinsity   0.7 cd/m     LeDiseach optic   1     Light colour   White     Required components:   Image: Component State St   | MUMILE 🖉  | DS  | 50°  |
| WHM   \$50 + 107.0°     Efficiency   94 %     reak intensity   0.7 cd/m     ED9/sech optic   1     ight colour   White     Required components:   Image: Color of the color of t  | LED   |   |  |
| Efficiency 94%<br>Peak intensity 0.7 cd/m<br>LEDS/each optic 1<br>ight colour White<br>Required components:<br>PUNILEDS<br>LD LUXEON 5050 Round LES<br>WHM 61.0 + 107.0°<br>Efficiency 94%<br>Peak intensity 0.6 cd/m<br>LEDS/each optic 1<br>ight colour White<br>Required components:<br>POSENT<br>LED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94%<br>Peak intensity 0.6 cd/m<br>LED duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94%<br>Peak intensity 0.6 cd/m<br>LED duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94%<br>Peak intensity 0.6 cd/m<br>LED duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94%<br>Peak intensity 0.6 cd/m<br>LED duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94%<br>Peak intensity 0.6 cd/m<br>LED durit 1<br>ight colour White<br>Required components:   | FWHM  |   | 73'  |
| Peak intensity 0.7 cd/m<br>LEDs/each optic 1<br>LEDs/each optic 1<br>Sequired components:<br>PULINILEDS<br>LED LUXEON 5050 Round LES<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/m<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>PULINIE 2235<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/m<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>PULINIE 2235<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/m<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>PULINIE 2235<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/m<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>PULINIE 2235<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/m<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>PULINIE 235<br>PULINIE |   |   |  |
| EDSreach optic 1<br>ight colour White<br>Required components:<br>ED LUXEENS<br>ED LUXEON 5050 Round LES<br>WHM 61.0 + 107.0°<br>Territorical Colum<br>EDSreach optic 1<br>ight colour White<br>Required components:<br>ED Duris E 2835<br>WHM 61.0 + 107.0°<br>Territorical Colum<br>EDSreach optic 1<br>ight colour White<br>Required components:<br>ED Duris E 2835<br>WHM 61.0 + 107.0°<br>Territorical Colum<br>EDSreach optic 1<br>ight colour White<br>Required components:<br>ED SECUL DC 3030C<br>WHM 107.0 + 62.0°<br>WHM 10  |   |   | 504 604  |
| ight colour White<br>Required components:<br><b>CUMILEDS</b><br>LED LUXEON 5050 Round LES<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/m<br>LEDs/each optic 1<br>light colour White<br>Required components:<br><b>DSRAM</b><br>LED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/m<br>LEDs/each optic 1<br>light colour White<br>Required components:<br><b>DESTIMA</b><br>LEDS<br>ED DURIS E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/m<br>LEDs/each optic 1<br>light colour White<br>Required components:  |   |   |  |
| Required components:  |   |   |  |
| ED   LUXEON 5050 Round LES     WHM   61.0 + 107.0°     Eldicary   94 %     Peak intensity   0.6 cd/lm     EDD/each optic   1     Light colour   White     Required components:   Image: Component State St  |   |   | 45*  |
| LED LUXEON 5050 Round LES<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED SEOUL DC 3030C<br>WHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White  | Required componer   | 15.   |  |
| LED LUXEON 5050 Round LES<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED SEOUL DC 3030C<br>WHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White  |   |   |  |
| LED LUXEON 5050 Round LES<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED SEOUL DC 3030C<br>WHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White  |   |   |  |
| LED LUXEON 5050 Round LES<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED SEOUL DC 3030C<br>WHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White  |   |   | 30° 15° 0° 15° 33°                             |
| LED LUXEON 5050 Round LES<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED SEOUL DC 3030C<br>WHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White  |   | ns  |  |
| FWHM   61.0 + 107.0°     Efficiency   94 %     Peak intensity   0.6 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Components in the image: Component set of the image: Component   |   |   | 90°  |
| Efficiency 94 %<br>Peak intensity 0.6 cd/m<br>EDS/each optic 1<br>ight colour White<br>Required components:   |   |   | 75 75  |
| Peak intensity 0.6 cd/lm<br>EDS/each optic 1<br>.ight colour White<br>Required components:<br>ED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94%<br>Peak intensity 0.6 cd/lm<br>.EDS/each optic 1<br>.ight colour White<br>Required components:<br>ED SEOUL DC 3030C<br>WHM 107.0 + 62.0°<br>Efficiency 95%<br>Peak intensity 0.6 cd/lm<br>.EDS/each optic 1<br>.ight colour White  |   |   |  |
| LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED Duris E 2835<br>FWHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED SEOUL DC 3030C<br>FWHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED SEOUL DC 3030C<br>FWHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>LEDs/each optic 1<br>LEDS  |   |   | 60° 60°  |
| Light colour White<br>Required components:  |   |   |  |
| Required components:<br>ED Duris E 2835<br>FWHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/m<br>LEDs/each optic 1<br>LED SECUL DC 3030C<br>FWHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/m<br>LED SECUL DC 3030C<br>FWHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/m<br>LEDs/each optic 1<br>Light colour White   |   |   |  |
| CSRAM<br>Definition of the second secon  |   |   | 67°  |
| ED   Duris E 2835     WHM   61.0 + 107.0°     Efficiency   94 %     Peak intensity   0.6 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Component State St  | Required componer   | ts:   |  |
| LED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED SEOUL DC 3030C<br>WHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White   |   |   |  |
| LED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED SEOUL DC 3030C<br>WHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White   |   |   |  |
| LED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED SEOUL DC 3030C<br>WHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White   |   |   | 30° 800 30°                                    |
| LED Duris E 2835<br>WHM 61.0 + 107.0°<br>Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>ED SEOUL DC 3030C<br>WHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White   | OSDAM   |   | 15 <sup>5</sup> 0 <sup>4</sup> 35 <sup>5</sup> |
| EWHM   61.0 + 107.0°     Efficiency   94 %     Peak intensity   0.6 cd/lm     LEDs/each optic   1     .ight colour   White     Required components:   Image: Component of the second of the sec   | Opto Semiconductors   |   |  |
| Efficiency 94 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:<br>EFFICIENCY SECUL DC 3030C<br>EVHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White   |   |   | 90* 90*  |
| Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:   | LED   | Duris E 2835  | 50° 50°  |
| LEDs/each optic 1<br>Light colour White<br>Required components:<br>FOUL DC 3030C<br>FWHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White  |   |   | 3°   |
| Light colour White<br>Required components:  | LED   | 61.0 + 107.0°   | 9° 9° 9°                                       |
| Required components:  | LED<br>FWHM   | 61.0 + 107.0°<br>94 %   | 94°  |
| EQUICATION<br>ECONTRECTOR<br>LED SECUL DC 3030C<br>FWHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White   | LED<br>FWHM<br>Efficiency   | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm  | 5° 5°<br>73 72<br>60 60                        |
| EQUICATION<br>ECONTRECTOR<br>LED SECUL DC 3030C<br>FWHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White   | LED<br>FWHM<br>Efficiency<br>Peak intensity   | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1   |  |
| EQUI SEMICONDUCTOR<br>LED SECUL DC 3030C<br>FWHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White  | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White  | 9° 8°<br>72° 200 6°<br>6° 200 6°               |
| EQUI SEMICONDUCTOR<br>LED SECUL DC 3030C<br>FWHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White  | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White  | 9° 8°<br>32 20 64<br>6° 60 6°                  |
| EQUI SEMICONDUCTOR<br>LED SECUL DC 3030C<br>FWHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White  | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White  |  |
| EQUI SEMICONDUCTOR<br>LED SECUL DC 3030C<br>FWHM 107.0 + 62.0°<br>Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>LEDs/each optic 1<br>Light colour White  | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White  |  |
| LED SEOUL DC 3030C   FWHM 107.0 + 62.0°   Efficiency 95 %   Peak intensity 0.6 cd/lm   LEDs/each optic 1   Light colour White   | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required componen   | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White  |  |
| FWHM 107.0 + 62.0°   Efficiency 95 %   Peak intensity 0.6 cd/lm   LEDs/each optic 1   Light colour White  | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component  | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White  |  |
| Efficiency 95 %<br>Peak intensity 0.6 cd/lm<br>_EDs/each optic 1<br>_ight colour White  | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component<br>stolus semiconductor  | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White<br>ts:   |  |
| Peak intensity 0.6 cd/lm   _EDs/each optic 1   _ight colour White   | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component<br>stout stemconductor<br>LED  | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White<br>ts:<br>SEOUL DC 3030C   |  |
| LEDs/each optic 1<br>Light colour White   | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component<br>secul semiconductor<br>LED<br>FWHM  | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White<br>ts:<br>SEOUL DC 3030C<br>107.0 + 62.0°                                    |  |
| _ight colour White  | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component<br>securi semiconductor<br>LED<br>FWHM<br>Efficiency   | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White<br>ts:<br>SEOUL DC 3030C<br>107.0 + 62.0°<br>95 %                            |  |
|   | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component<br>seour semiconductor<br>LED<br>FWHM<br>Efficiency<br>Peak intensity                                    | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White<br>ts:<br>SEOUL DC 3030C<br>107.0 + 62.0°<br>95 %<br>0.6 cd/lm               |  |
|   | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component<br>stour semiconductor<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic                 | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White<br>ts:<br>SEOUL DC 3030C<br>107.0 + 62.0°<br>95 %<br>0.6 cd/lm<br>1          |  |
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| 30  | LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required component<br>stout semiconductor<br>LED<br>FWHM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour | 61.0 + 107.0°<br>94 %<br>0.6 cd/lm<br>1<br>White<br>ts:<br>SEOUL DC 3030C<br>107.0 + 62.0°<br>95 %<br>0.6 cd/lm<br>1<br>White |  |
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### **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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