

# ADELIA-70-S

~15° spot beam

## **SPECIFICATION:**

| Dimensions     | Ø 69.7 mm |
|----------------|-----------|
| Height         | 42.8 mm   |
| Fastening      | snaps     |
| ROHS compliant | yes 🕕     |



PRODUCT DATASHEET

C18423\_ADELIA-70-S

### **MATERIALS:**

Component ADELIA-70-S

**Type** Reflector

**Material** Aluminium

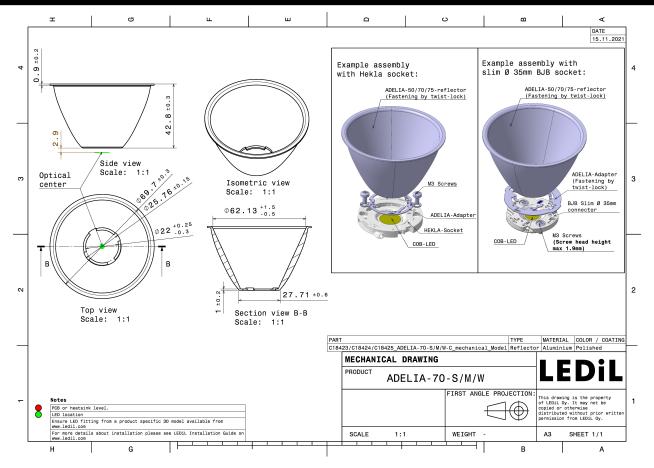
| Colour | Finish | Coating  |
|--------|--------|----------|
| metal  | gloss  | Anodized |

## **ORDERING INFORMATION:**

| Component                      | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| C18423_ADELIA-70-S             | 840        | 70  | 70  | 15.5            |
| » Box size: 400 x 300 x 300 mm |            |     |     |                 |



# PRODUCT DATASHEET C18423\_ADELIA-70-S



See also our general installation guide: www.ledil.com/installation\_guide



# **OPTICAL RESULTS (SIMULATED):**

| bridgelux.   |   | 804  |
|--|---|--|
| LED  | V10 Gen 8   |  |
| FWHM / FWTM  | 12.0° / 23.0°   | 75   |
| Efficiency   | 88 %  |  |
| Peak intensity   | 11.3 cd/lm  |  |
| LEDs/each optic  | 1   |  |
| Light colour   | White   | e <sup>r</sup> 600   |
| Required components:   |   |  |
| C18431_ADELIA-AI   |   |  |
| BJB: 47.360.1020   |   | 900)   |
| 2021 11100011020   |   | $\times$ / $\vee$ / $\lambda$  |
|  |   | 30°  |
| bridgelux.   |   | 90 <sup>4</sup> 90   |
| LED  | V13 Gen 8   |  |
| FWHM / FWTM  | 18.0° / 41.0°   | 29   |
| Efficiency   | 84 %  | 100 Jan  |
| Peak intensity   | 5 cd/lm   |  |
| LEDs/each optic  | 1   |  |
| Light colour   | White   | gr <sup>4</sup> 200  |
| Required components:   |   |  |
| C18432_ADELIA-AI   | DAPTER-C  |  |
| Bender Wirth: 633c   | Hekla   |  |
|  |   | 30"  |
|  |   | 125 <sup>1</sup> 0 <sup>2</sup> 125 <sup>1</sup>   |
|  |   |  |
| bridgelux.   |   | 90 <sup>+</sup>  |
| bridgelux.<br>LED  | V18 Gen 8   | 9/ <sup>4</sup>  |
|  | V18 Gen 8<br>22.0° / 56.0°  | 32.  |
| LED  |   | 23 <sup>1</sup><br>23 <sup>1</sup><br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20 |
| LED<br>FWHM / FWTM   | 22.0° / 56.0°   |  |
| LED<br>FWHM / FWTM<br>Efficiency   | 22.0° / 56.0°<br>79 %   |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity   | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic  | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:  | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C  | gr 100<br>gr 200   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI  | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C  | gr 100<br>gr 200   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI<br>Bender Wirth: 639b  | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI<br>Bender Wirth: 639b  | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C<br>Hekla XL  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI<br>Bender Wirth: 639b  | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C<br>Hekla XL  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI<br>Bender Wirth: 639b<br>bridgelux<br>LED<br>FWHM / FWTM   | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C<br>Hekla XL  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI<br>Bender Wirth: 639b  | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C<br>Hekla XL<br>V22 Gen 8<br>24.0° / 58.0°<br>76 %  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI<br>Bender Wirth: 639b<br>bridgeLUX.<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity  | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C<br>Hekla XL<br>V22 Gen 8<br>24.0° / 58.0°  |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI<br>Bender Wirth: 639b<br>bridgelux<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic  | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C<br>Hekla XL<br>V22 Gen 8<br>24.0° / 58.0°<br>76 %<br>2.8 cd/lm<br>1                      |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI<br>Bender Wirth: 639b<br>bridgetux<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour  | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C<br>Hekla XL<br>V22 Gen 8<br>24.0° / 58.0°<br>76 %<br>2.8 cd/lm<br>1<br>White             |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI<br>Bender Wirth: 639b<br>bridgetux<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:                      | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C<br>Hekla XL<br>V22 Gen 8<br>24.0° / 58.0°<br>76 %<br>2.8 cd/lm<br>1<br>White             |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI<br>Bender Wirth: 639b<br>bridgetux.<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C<br>Hekla XL<br>V22 Gen 8<br>24.0° / 58.0°<br>76 %<br>2.8 cd/lm<br>1<br>White<br>DAPTER-C |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>C18432_ADELIA-AI<br>Bender Wirth: 639b<br>bridgetux<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:                      | 22.0° / 56.0°<br>79 %<br>3.1 cd/lm<br>1<br>White<br>DAPTER-C<br>Hekla XL<br>V22 Gen 8<br>24.0° / 58.0°<br>76 %<br>2.8 cd/lm<br>1<br>White<br>DAPTER-C |  |



# **OPTICAL RESULTS (SIMULATED):**

| bridgelux.  |   | 50° Å 90°  |
|---|---|--|
| LED   | V6 HD Gen 7   |  |
| FWHM / FWTM   | 8.0° / 16.1°  | 73*  |
| Efficiency  | 93 %  |  |
| Peak intensity  | 24 cd/lm  |  |
| LEDs/each optic   | 1   |  |
| Light colour  | White   | gr   |
| Required components   |   |  |
| F15253_HEKLA-SC   |   |  |
| C18432_ADELIA-A   |   |  |
|   |   |  |
|   |   | 30° 22000 30° 30°  |
| bridgelux.  |   | 90*  |
| LED   | VERO13  |  |
| FWHM / FWTM   | 16.0° / 38.0°   | 77   |
| Efficiency  | 84 %  | 500  |
| Peak intensity  | 5.7 cd/lm   |  |
| LEDs/each optic   | 1   |  |
| Light colour  | White   | 47*  |
| Required components   |   |  |
| C18264_HEKLA-SO   | DCKET-VERO18  |  |
| C18432_ADELIA-A   |   | 400  |
|   |   | 30*  |
|   |   | 13 <sup>5</sup> 0 <sup>6</sup> 13 <sup>5</sup>                                     |
|   |   |  |
| bridgelux.  |   | 90*  |
| bridgelux.<br>LED   | VERO18  | 99 <sup>2</sup>  |
|   | VERO18<br>24.0° / 58.0°   | 3 <sup>3</sup><br>3 <sup>7</sup><br>3 <sup>7</sup>                                 |
| LED   |   | 95 <sup>4</sup> 90 <sup>4</sup>  |
| LED<br>FWHM / FWTM  | 24.0° / 58.0°   | $\Gamma \setminus \mathbb{Z} \times [\Lambda \times \mathbb{Z} \times \mathbb{Z}]$ |
| LED<br>FWHM / FWTM<br>Efficiency  | 24.0° / 58.0°<br>81 %   | $\Gamma \setminus \mathbb{Z} \times [\Lambda \times \mathbb{Z} \times \mathbb{Z}]$ |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity  | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm  | 90* 00.<br>07  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White  | 9)** 00.<br>00.  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White  | 9)** 00.<br>00.  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components  | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>CKET-VERO18   | gr 160<br>gr   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC   | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>CKET-VERO18   | 9°* 00.<br>9° 00.<br>97 00.  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A  | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>CKET-VERO18   | 200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200                 |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A  | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>DCKET-VERO18<br>DAPTER-C  | 90.<br>97<br>77<br>200   |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A  | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>CKET-VERO18<br>DAPTER-C<br>CMA1840  | 200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200                 |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A  | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>DCKET-VERO18<br>DAPTER-C<br>CMA1840<br>18.0° / 40.0°  | 200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200                 |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A  | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>DCKET-VERO18<br>DAPTER-C<br>CMA1840<br>18.0° / 40.0°<br>86 %                                      | 200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200                 |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A  | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>OCKET-VERO18<br>DAPTER-C<br>CMA1840<br>18.0° / 40.0°<br>86 %<br>5 cd/lm                           | 200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200                 |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A<br>C18432_ADELIA-A   | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>CKET-VERO18<br>DAPTER-C<br>CMA1840<br>18.0° / 40.0°<br>86 %<br>5 cd/lm<br>1                       | 200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200                 |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A<br>C18432_ADELIA-A<br>C18432_ADELIA-A<br>CED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour                             | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>CKET-VERO18<br>DAPTER-C<br>CMA1840<br>18.0° / 40.0°<br>86 %<br>5 cd/lm<br>1<br>White              | 200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200                 |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A<br>C18432_ADELIA-A<br>C18432_ADELIA-A<br>C18432_ADELIA-A<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components         | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>DCKET-VERO18<br>DAPTER-C<br>CMA1840<br>18.0° / 40.0°<br>86 %<br>5 cd/lm<br>1<br>White             |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A<br>C18432_ADELIA-A<br>CREE LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18432_ADELIA-A | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>DCKET-VERO18<br>DAPTER-C<br>CMA1840<br>18.0° / 40.0°<br>86 %<br>5 cd/lm<br>1<br>White<br>DAPTER-C |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A<br>C18432_ADELIA-A<br>C18432_ADELIA-A<br>C18432_ADELIA-A<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components         | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>DCKET-VERO18<br>DAPTER-C<br>CMA1840<br>18.0° / 40.0°<br>86 %<br>5 cd/lm<br>1<br>White<br>DAPTER-C |  |
| LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18264_HEKLA-SC<br>C18432_ADELIA-A<br>CCREE LED<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components<br>C18432_ADELIA-A            | 24.0° / 58.0°<br>81 %<br>3.1 cd/lm<br>1<br>White<br>DCKET-VERO18<br>DAPTER-C<br>CMA1840<br>18.0° / 40.0°<br>86 %<br>5 cd/lm<br>1<br>White<br>DAPTER-C |  |



# **OPTICAL RESULTS (SIMULATED):**

|   |   | 30° 39°   |
|---|---|---|
| LED   | CMU10xx   |   |
| FWHM / FWTM   | 12.0° / 24.0°   | 75-   |
| Efficiency  | 88 %  |   |
| Peak intensity  | 11 cd/lm  | 602   |
| LEDs/each optic   | 1   |   |
| Light colour  | White   | 47* 6400 45*  |
| Required components:  | Wille   |   |
| C18431_ADELIA-AD  | APTER.B   |   |
| BJB: 47.360.1020  |   | 800   |
| D0D. 47.000.1020  |   |   |
|   |   | 30 <sup>5</sup> 15 <sup>5</sup> 0 <sup>6</sup> 25 <sup>5</sup> 30 <sup>5</sup>  |
|   |   | 50* 50*   |
| LED   | CMU15xx   |   |
| FWHM / FWTM   | 16.0° / 40.0°   |   |
| Efficiency  | 86 %  | 1600  |
| Peak intensity  | 5.2 cd/lm   |   |
| LEDs/each optic   | 1   |   |
| Light colour  | White   | 5* 3230   |
| Required components:  |   |   |
| F17438_HEKLA-G2-  |   |   |
| C18432_ADELIA-AD  | APTER-C   | 4530  |
|   |   | 30-   |
|   |   | ( 15° 0° 15°  |
| SAMSUN  | IG  | 90* 90*   |
| LED   | LC003D / LC006D / LC009D / LC013D   |   |
| FWHM / FWTM   | 12.1°/24.1°   |   |
| Efficiency  | 90 %  |   |
|   | 90 %  | 60° 60°   |
| Peak intensity  | 90 %<br>10.4 cd/lm  | 60° 60°   |
|   |   |   |
| Peak intensity  | 10.4 cd/lm  |   |
| Peak intensity<br>LEDs/each optic   | 10.4 cd/lm<br>1   |   |
| Peak intensity<br>LEDs/each optic<br>Light colour   | 10.4 cd/lm<br>1<br>White  | gr (40)   |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:   | 10.4 cd/lm<br>1<br>White<br>C   | ger (400 ) (400 |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-   | 10.4 cd/lm<br>1<br>White<br>C   |   |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-<br>C18432_ADELIA-AD   | 10.4 cd/lm<br>1<br>White<br>C<br>APTER-C  |   |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-<br>C18432_ADELIA-AD   | 10.4 cd/lm<br>1<br>White<br>C<br>APTER-C  |   |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-<br>C18432_ADELIA-AD   | 10.4 cd/lm<br>1<br>White<br>C<br>APTER-C<br>I G<br>LC016D / LC019D / LC026D / LC033D  | 33. 30. 30. 30.   33. 22.0 0. 32. 30.   30. 0.0 0.0 0.0 0.0   |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-<br>C18432_ADELIA-AD<br>SAMSUN<br>LED<br>FWHM / FWTM   | 10.4 cd/lm<br>1<br>White<br>C<br>APTER-C<br>I G<br>LC016D / LC019D / LC026D / LC033D<br>18.1° / 43.2 + 44.2°                                    | 24 <sup>-</sup> 25 <sup>-</sup> 20<br>25 <sup>+</sup> 25 <sup>-</sup> 20  |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-<br>C18432_ADELIA-AD<br>SAMSSUN<br>LED<br>FWHM / FWTM<br>Efficiency  | 10.4 cd/lm<br>1<br>White<br>C<br>APTER-C<br>LC016D / LC019D / LC026D / LC033D<br>18.1° / 43.2 + 44.2°<br>88 %                                   | 24 <sup>-</sup> 25 <sup>-</sup> 20<br>25 <sup>+</sup> 25 <sup>-</sup> 20  |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-<br>C18432_ADELIA-AD<br>SAMSSUN<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity  | 10.4 cd/lm<br>1<br>White<br>C<br>APTER-C<br>I G<br>LC016D / LC019D / LC026D / LC033D<br>18.1° / 43.2 + 44.2°<br>88 %<br>4.6 cd/lm               | 33.<br>34.<br>35.<br>36.<br>37.<br>40.<br>37.<br>40.<br>37.<br>37.<br>37.<br>37.<br>37.<br>37.<br>37.<br>37   |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-<br>C18432_ADELIA-AD<br>SAMSSUN<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic   | 10.4 cd/lm<br>1<br>White<br>C<br>APTER-C<br>I C<br>LC016D / LC019D / LC026D / LC033D<br>18.1° / 43.2 + 44.2°<br>88 %<br>4.6 cd/lm<br>1          | 50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50  |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-<br>C18432_ADELIA-AD<br>SAMSSUN<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour   | 10.4 cd/lm<br>1<br>White<br>C<br>APTER-C<br>I G<br>LC016D / LC019D / LC026D / LC033D<br>18.1° / 43.2 + 44.2°<br>88 %<br>4.6 cd/lm               |   |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-<br>C18432_ADELIA-AD<br>SAMSSUN<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:                     | 10.4 cd/lm<br>1<br>White<br>C<br>APTER-C<br>I C<br>LC016D / LC019D / LC026D / LC033D<br>18.1° / 43.2 + 44.2°<br>88 %<br>4.6 cd/lm<br>1<br>White |   |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-<br>C18432_ADELIA-AD<br>SAMSSUN<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17438_HEKLA-G2- | 10.4 cd/lm<br>1<br>White<br>C<br>APTER-C<br>I G<br>LC016D / LC019D / LC026D / LC033D<br>18.1° / 43.2 + 44.2°<br>88 %<br>4.6 cd/lm<br>1<br>White |   |
| Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:<br>F17435_HEKLA-G2-<br>C18432_ADELIA-AD<br>SAMSSUN<br>LED<br>FWHM / FWTM<br>Efficiency<br>Peak intensity<br>LEDs/each optic<br>Light colour<br>Required components:                     | 10.4 cd/lm<br>1<br>White<br>C<br>APTER-C<br>I G<br>LC016D / LC019D / LC026D / LC033D<br>18.1° / 43.2 + 44.2°<br>88 %<br>4.6 cd/lm<br>1<br>White |   |



#### **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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### **MATERIALS:**

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