

# LEDiL

Range & precision. Our optics offer both.



**LEDiL®**

2021 1<sup>ST</sup> EDITION

As an undisputed leader in the field of LED optics, LEDiL strongly believes in light that is right for increased wellbeing and safety, optimised functionality and improved sustainability with energy efficiency.



LEDiL stands out thanks to its highly-rated technical support service, a global network of sales teams and distributors, as well as superior operational performance and service, creating a great customer experience. Our innovative solutions, extensive standard product portfolio and unlimited custom products based on state of the art design expertise, combined with our global production footprint also make us the first choice for the most demanding applications. We take pride in delivering the most competitive result by ensuring swift development and optimised compatibility in accordance with the latest LED technology and through close collaboration and partnerships with all the leading LED manufacturers.

Let us help you make a difference and reach your goals – with less lumens, less watts, less space, less glare, less discomfort, less energy, and less cost.

For more information, please visit [www.ledil.com](http://www.ledil.com)

## USEFUL INFORMATION

You can find product-ordering names together with the latest product information and LED compatibility at:

[www.ledil.com/product\\_search](http://www.ledil.com/product_search)

For your convenience we have included saved search paths under each product family name. This address will take you directly to the family listing on our website.

Find general assembly instructions and other useful information about LEDiL products in our Installation Guide at: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

**WE ARE LEDiL, CREATING  
LIGHT THAT IS RIGHT.**

**SINGLE LENSES 6**

▶ &lt; 10° beam available

|             |    |             |    |           |    |
|-------------|----|-------------|----|-----------|----|
| AMY         | 16 | ▶ IRIS      | 10 | RONDA     | 20 |
| BILLIE      | 10 | JULIA       | 12 | ROSE      | 8  |
| ▶ CARMEN    | 22 | KIKI        | 12 | SAGA      | 23 |
| CLAUDIA     | 31 | LARISA      | 6  | ▶ SAKURA  | 18 |
| ▶ CRYSTAL   | 14 | ▶ LAURA     | 9  | ▶ SEANNA  | 14 |
| DAHLIA      | 31 | ▶ LAURA-G2  | 9  | SIRI      | 12 |
| EMERALD     | 13 | ▶ LEIA      | 13 | ▶ SURI    | 8  |
| ▶ EMILY     | 11 | ▶ LEILA     | 9  | STRADA-S  | 12 |
| EMMA        | 12 | ▶ LEILA-G2  | 9  | TINA      | 7  |
| EVA         | 10 | ▶ LEILA-2X8 | 9  | ▶ TITANUM | 11 |
| ▶ FLARE     | 14 | LISA        | 6  | TWIDDLE   | 7  |
| ▶ GABRIELLA | 15 | LOTTA       | 12 | VENLA     | 13 |
| ▶ HEIDI     | 11 | MIRA        | 10 | VERONICA  | 6  |
| HELENA      | 13 | MOLLY       | 21 | WINNIE    | 22 |
| ▶ ILONA     | 17 | ▶ OLGA      | 23 | YASMEEN   | 19 |
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| IRIE        | 10 |             |    |           |    |

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| CUTE            | 24 |
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| FLORENTINA-1    |    |
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| GT4             | 24 |
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| FLORENCE-3R-IP |    |
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| HB-IP-2X6    | 55 |
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| PRODUCT FAMILIES & SUGGESTED APPLICATIONS<br>(not all product families listed) |    | INDOOR |                                      |        |  |  |                                                                    |  |  |  |                                                |  |  | OUTDOOR |               |  |  |  |                                                                                                                                         |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
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|                                                                                |    | PAGE   | RETAIL & TRACK<br>DECORATIVE & STAGE |        |  |  | EMERGENCY & SECURITY<br>WASH LIGHTING<br>ARCHITECTURAL<br>RETROFIT |  |  |  | INDUSTRIAL & TECHNICAL<br>DOWNLIGHT<br>GENERAL |  |  |         | HORTICULTURAL |  |  |  | STREET LIGHTING<br>AREA & PARKING LOT<br>CANOPY<br>TUNNEL & TRANSPORTATION<br>FLOOD LIGHT<br>WASH LIGHTING<br>ARCHITECTURAL<br>RETROFIT |  |  |  | SPECIAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
|                                                                                |    |        | LINEAR                               | OFFICE |  |  |                                                                    |  |  |  |                                                |  |  |         |               |  |  |  |                                                                                                                                         |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
|                                                                                |    |        |                                      |        |  |  |                                                                    |  |  |  |                                                |  |  |         |               |  |  |  |                                                                                                                                         |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| ALISE                                                                          | 34 | •      |                                      |        |  |  |                                                                    |  |  |  |                                                |  |  |         |               |  |  |  |                                                                                                                                         |  |  |  | •       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |

## ASK FOR COMPATIBILITY

- MID-POWER LEDs**  
SMD LED  
Typical rated electrical power <1W
- HIGH-POWER LEDs**  
SMD LED  
Typical rated electrical power 1W-3W
- ULTRA-HIGH-POWER LEDs**  
SMD LED  
Typical rated electrical power 4W-12W
- COB**  
CHIPS ON BOARD  
Integrated arrays on a ceramic or MCPCB
- CSP**  
CHIP SCALE PACKAGE LED  
Normal mid & high power flip chips without a package



## PRODUCT FAMILIES & SUGGESTED APPLICATIONS

(not all product families listed)

|                        |    | PAGE | RETAIL & TRACK | DECORATIVE & STAGE | LINEAR | OFFICE | EMERGENCY & SECURITY | WASH LIGHTING | ARCHITECTURAL | RETROFIT | INDUSTRIAL & TECHNICAL | DOWNLIGHT | GENERAL | HORTICULTURAL | STREET LIGHTING | AREA & PARKING LOT | CANOPY | TUNNEL & TRANSPORTATION | FLOOD LIGHT | WASH LIGHTING | ARCHITECTURAL | RETROFIT | SPECIAL |
|------------------------|----|------|----------------|--------------------|--------|--------|----------------------|---------------|---------------|----------|------------------------|-----------|---------|---------------|-----------------|--------------------|--------|-------------------------|-------------|---------------|---------------|----------|---------|
|                        |    |      | INDOOR         |                    |        |        |                      |               |               |          |                        |           |         | OUTDOOR       |                 |                    |        |                         |             |               |               |          |         |
| LISA                   | 6  |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| LOTTA                  | 12 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| MINNIE                 | 41 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| MIRA                   | 10 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| MIRELLA                | 37 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| MOLLY                  | 21 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| OLGA                   | 23 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| RGBX                   | 15 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| RITA                   | 41 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| RONDA                  | 20 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| ROSE                   | 8  |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| SAGA                   | 23 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| SAKURA                 | 18 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| SANDRA                 | 26 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| SATU                   | 24 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| SEANNA                 | 14 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| SHELLY                 | 32 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| SIRI                   | 12 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| SITARA                 | 49 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| SPORT-2X2              | 52 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STELLA                 | 53 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADA (single)        | 46 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADA-SQ              | 46 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADA-2X2             | 47 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADA-2X2CSP          | 47 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADA-2X2-5050        | 48 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADA-IP-2X6          | 48 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADA-IP-8MX          | 48 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADA-IP-16MX         | 48 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADA-2X2MX/MXS       | 49 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADA-6X1             | 49 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADELLA (single), -8 | 50 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADELLA-16           | 51 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADELLA-IP-16        | 51 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| STRADELLA-IP-28/64     | 51 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| SURI                   | 8  |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| TAMPA                  | 25 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| TATIANA                | 49 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| TINA                   | 7  |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| TITANUM                | 11 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| TUIJA                  | 26 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| TWIDDLE                | 7  |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| VANESSA                | 31 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| VENLA                  | 13 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| VERONICA               | 6  |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| VICTORIA               | 55 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| VIOLET                 | 31 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| VIRPI                  | 26 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| WINNIE                 | 22 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| YASMEEN                | 19 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| ZORYA                  | 23 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |
| ZORYA-MINI             | 23 |      |                |                    |        |        |                      |               |               |          |                        |           |         |               |                 |                    |        |                         |             |               |               |          |         |

### ASK FOR COMPATIBILITY

- MID-POWER LEDs**  
SMD LED  
Typical rated electrical power <1W
- HIGH-POWER LEDs**  
SMD LED  
Typical rated electrical power 1W-3W
- ULTRA-HIGH-POWER LEDs**  
SMD LED  
Typical rated electrical power 4W-12W
- COB**  
CHIPS ON BOARD  
Integrated arrays on a ceramic or MCPCB
- CSP**  
CHIP SCALE PACKAGE LED  
Normal mid & high power flip chips without a package

**LARISA**[www.ledil.com/larisa](http://www.ledil.com/larisa)

Compatibility: Up to 3535 size LED packages  
 Versions with CLIP or PIN mounting available

| name      | beam type     | h   | d         | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------|---------------|-----|-----------|-----------|-----------|------------|
| LARISA-RS | real spot     | 7.5 | 9.9 x 9.9 | 19        | 80        | 3.7        |
| LARISA-RZ | diffused spot | 7.5 | 9.9 x 9.9 | 27        | 77        | 1.9        |
| LARISA-M  | medium        | 7.5 | 9.9 x 9.9 | 32        | 86        | 2.2        |
| LARISA-W  | wide          | 7.5 | 9.9 x 9.9 | 48        | 85        | 1.2        |
| LARISA-WW | extra wide    | 7.5 | 9.9 x 9.9 | 57        | 84        | 0.9        |
| LARISA-O  | oval          | 7.5 | 9.9 x 9.9 | 40 x 22   | 81        | 2.1        |

**LISA**[www.ledil.com/lisa](http://www.ledil.com/lisa)

Compatibility: Up to 3535 size LED packages  
 Versions with CLIP or PIN mounting available

| <b>LISA</b> |             |     |      |           |           |            |
|-------------|-------------|-----|------|-----------|-----------|------------|
| name        | beam type   | h   | d    | typ. FWHM | typ. eff. | typ. cd/lm |
| LISA-RS     | real spot   | 7.1 | 10.8 | 15        | 90        | 3.9        |
| LISA-SS     | smooth spot | 7.1 | 10.8 | 22        | 86        | 3.8        |

**LISA2**

| name        | beam type | h     | d     | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------|-----------|-------|-------|-----------|-----------|------------|
| LISA2-RS    | RS        | ≈ 6,8 | 9,9   | 19        | 89        | 3.1        |
| LISA2-M     | M         | ≈ 6,8 | 9,9   | 22        | 89        | 2.8        |
| LISA2-O     | O         | ≈ 7   | ≈ 10  | 45 x 21   | 82        | 2.2        |
| LISA2-O-90  | O-90      | ≈ 6,8 | 9,9   | 19 x 48   | 82        | 2.2        |
| LISA2-W     | W         | ≈ 6,8 | ≈ 9,9 | 34        | 88        | 1.8        |
| LISA2-WW    | WW        | ≈ 6,8 | ≈ 9,9 | 46        | 89        | 1.1        |
| LISA2-WWW   | WWW       | ≈ 6,8 | ≈ 9,9 | 80        | 83        | 0.4        |
| LISA2-R-PIN | XW        | 6.6   | 9.9   | 80        | 88        | 0.4        |

**LISA3 / LISA3CSP**

| name | beam type               | h | d   | typ. FWHM | typ. eff. | typ. cd/lm |
|------|-------------------------|---|-----|-----------|-----------|------------|
| -RS  | real spot               | 7 | 9.9 | 14        | 89        | 9.4        |
| -M   | medium                  | 7 | 9.9 | 25        | 89        | 4.1        |
| -W   | wide                    | 7 | 9.9 | 35        | 90        | 2.7        |
| -WW  | extra wide              | 7 | 9.9 | 45        | 90        | 1.5        |
| -WWW | extra <sup>2</sup> wide | 7 | 9.9 | 62        | 89        | 0.9        |
| -O   | oval                    | 7 | 9.9 | 16 + 48   | 84        | 2.8        |

**VERONICA**[www.ledil.com/veronica-family](http://www.ledil.com/veronica-family)

Compatibility: Up to 7070 size, SQ-MINI optics up to 3535 size packages

| <b>VERONICA</b> |           |      |    |           |           |            |
|-----------------|-----------|------|----|-----------|-----------|------------|
| name            | beam type | h    | d  | typ. FWHM | typ. eff. | typ. cd/lm |
| VERONICA-RS     | real spot | 12.2 | 26 | 12        | 90        | 18.4       |
| VERONICA-O      | oval      | 12.2 | 26 | 54 + 11   | 84        | 4.2        |

**VERONICA-SQ**

| name           | beam type     | h    | d         | typ. FWHM | typ. eff. | typ. cd/lm |
|----------------|---------------|------|-----------|-----------|-----------|------------|
| VERONICA-SQ-RS | real spot     | 12.2 | 22.5x22.5 | 13        | 89        | 18.8       |
| VERONICA-SQ-M  | medium        | 12.2 | 22.5x22.5 | 30        | 89        | 3.1        |
| VERONICA-SQ-W  | wide          | 12.2 | 22.5x22.5 | 52        | 92        | 1.2        |
| VERONICA-SQ-SE | side emitting | 11.4 | 22.5x22.5 | 189       | 91        | 2.7        |
| VERONICA-SQ-O  | oval          | 12.2 | 22.5x22.5 | 56+12     | 82        | 3.2        |

**VERONICA-SQ-MINI**

| name                | beam type     | h    | d         | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------------|---------------|------|-----------|-----------|-----------|------------|
| VERONICA-SQ-MINI-RS | real spot     | 8,86 | 13.9x13.9 | 14        | 92        | 11         |
| VERONICA-SQ-MINI-D  | diffused spot | 8,86 | 13.9x13.9 | 15        | 92        | 7.3        |
| VERONICA-SQ-MINI-M  | medium        | 8,86 | 13.9x13.9 | 34        | 89        | 2.4        |
| VERONICA-SQ-MINI-W  | wide          | 8,86 | 13.9x13.9 | 56        | 91        | 0.9        |
| VERONICA-SQ-MINI-O  | oval          | 8,86 | 13.9x13.9 | 15+50     | 84        | 3.8        |

**LARISA****LISA-SS****LISA2-R-PIN****LISA3****VERONICA****VERONICA-SQ****VERONICA-SQ-MINI**


**PATENT PENDING**

**SOLDER-CLIP**  
Easier and more  
cost-efficient mounting  
method for TINA2  
and LEILA lenses



## TWIDDLE

[www.ledil.com/twiddle](http://www.ledil.com/twiddle)

Compatibility: Up to 3535 size LED packages

| name         | h     | d     | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------|-------|-------|-----------|-----------|------------|
| TWIDDLE-RZ-D | 14.57 | 21.56 | 18        | 60        | 4.1        |
| TWIDDLE-RZ-M | 13.34 | 21.56 | 20        | 68        | 2.8        |
| TWIDDLE-D    | 14.3  | 21.6  | 20        | 81        | 4.1        |
| TWIDDLE-M    | 13.2  | 21.6  | 32        | 72        | 2.8        |

## TINA

[www.ledil.com/tina](http://www.ledil.com/tina)

Compatibility: Up to 3535 size LED packages

| TINA    |               |      |      |           |           |            |
|---------|---------------|------|------|-----------|-----------|------------|
| name    | beam type     | h    | d    | typ. FWHM | typ. eff. | typ. cd/lm |
| TINA-RS | real spot     | ≈ 10 | 16.1 | 13        | 93        | 10.9       |
| TINA-D  | diffused spot | ≈ 10 | 16.1 | 16        | 92        | 6.1        |
| TINA-M  | medium        | ≈ 10 | 16.1 | 29        | 88        | 2.1        |
| TINA-W  | wide          | ≈ 10 | 16.1 | 48        | 91        | 1.3        |
| TINA-WW | extra wide    | ≈ 10 | 16.1 | 61        | 91        | 0.8        |
| TINA-BW | batwing       | ≈ 10 | 16.1 | asymm.    | 80        | 1.0        |
| TINA-O  | oval          | ≈ 10 | 16.1 | 34 x 15   | 89        | 3.4        |

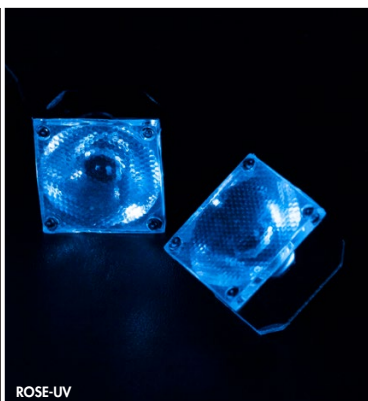
| TINA2              |               |      |      |           |           |            |
|--------------------|---------------|------|------|-----------|-----------|------------|
| name               | beam type     | h    | d    | typ. FWHM | typ. eff. | typ. cd/lm |
| TINA2-RS *         | real spot     | ≈ 10 | 16.1 | 14        | 91        | 10.4       |
| TINA2-D *          | diffused spot | ≈ 10 | 16.1 | 16        | 89        | 6.9        |
| TINA2-SS           | smooth spot   | 9.26 | 16   | 22        | 88        | 4.5        |
| TINA2-M *          | medium        | ≈ 10 | 16.1 | 29        | 86        | 2.5        |
| TINA2-W *          | wide          | ≈ 10 | 16.1 | 46        | 87        | 1.4        |
| TINA2-WW           | extra wide    | ≈ 10 | 16.1 | 58        | 87        | 0.9        |
| TINA2-R            | wide          | 10.1 | 16.1 | 74        | 90        | 0.5        |
| TINA2-O*/TINA-O-90 | oval          | ≈ 10 | 16.1 | 35 x 16   | 87        | 3.5        |
| TINA2-O-WAS *      | asymm. oval   | ≈ 10 | 16.1 | asymm.    | 86        | 3.6        |

\* Compatible with TINA-SC

| TINA3     |           |      |        |           |           |            |
|-----------|-----------|------|--------|-----------|-----------|------------|
| name      | beam type | h    | d      | typ. FWHM | typ. eff. | typ. cd/lm |
| TINA3-S   | S         | 11.4 | 16.1   | 13        | 77        | 8.4        |
| TINA3-W   | W         | ≈ 7  | 16.1   | 39        | 90        | 1.7        |
| TINA3-WW  | WW        | ≈ 7  | 16.1   | 53        | 90        | 1.0        |
| TINA3-WWW | WWW       | ≈ 7  | 16.1   | 71        | 88        | 0.6        |
| TINA3-OO  | OO        | ≈ 7  | ≈ 16.1 | 59 x 39   | 90        | 1.2        |



ROSE-MRK



ROSE-UV



SURI-RS

## ROSE

www.ledil.com/rose

## ROSE

Compatibility: LED packages up to 5050 size

| name      | beam type | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------|-----------|-------------|-----------|-----------|------------|
| ROSE-RS   | RS        | 21.6 x 21.6 | 11        | 88        | 21.7       |
| ROSE-SS   | SS        | 21.6 x 21.6 | 15        | 87        | 9.4        |
| ROSE-D    | D         | 21.6 x 21.6 | 16        | 85        | 7.1        |
| ROSE-M    | M         | 21.6 x 21.6 | 30        | 83        | 2.5        |
| ROSE-W    | W         | 21.6 x 21.6 | 51        | 81        | 1.1        |
| ROSE-WW   | WW        | 21.6 x 21.6 | 59        | 81        | 0.8        |
| ROSE-WWW  | WWW       | 21.6 x 21.6 | 80        | 84        | 0.4        |
| ROSE-O    | O         | 21.6 x 21.6 | 43 x 15   | 81        | 3.1        |
| ROSE-O-90 | O-90      | 21.6 x 21.6 | 13 x 44   | 81        | 3.6        |

## ROSE-MRK

Compatibility: Ultra-high-power LED packages up to 7070 size

| name        | beam type | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------|-----------|-------------|-----------|-----------|------------|
| ROSE-MRK-S  | spot      | 21.6 x 21.6 | 30        | 80        | 2.1        |
| ROSE-MRK-M  | medium    | 21.6 x 21.6 | 43        | 84        | 2.0        |
| ROSE-MRK-W  | wide      | 21.6 x 21.6 | 62        | 84        | 0.7        |
| ROSE-MRK-BW | batwing   | 21.6 x 21.6 | 68        | 84        | 0.7        |

## ROSE-UV

Compatibility: High-power UV-LED packages with dome up to 3535 size

| name          | beam type   | h    | d           | typ. FWHM | typ. eff. |
|---------------|-------------|------|-------------|-----------|-----------|
| G2-NIS033U-S  | spot        | 12.9 | 21.6 x 21.6 | 20        | 92        |
| G2-NIS033U-M  | medium      | 12.9 | 21.6 x 21.6 | 25        | 91        |
| G2-NIS033U-W  | wide        | 12.9 | 21.6 x 21.6 | 43        | 91        |
| G2-ROSE-UV-SS | smooth spot | 12.9 | 21.6 x 21.6 | 14        | 90        |
| G2-ROSE-UV-M  | medium      | 12.9 | 21.6 x 21.6 | 25        | 88        |
| G2-ROSE-UV-W  | wide        | 12.9 | 21.6 x 21.6 | 40        | 90        |

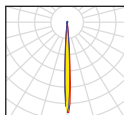


## SURI

www.ledil.com/suri

Compatibility: Optimized for 3535 and compatible up to 7070 size LED packages

| name    | d  | h  | typ. FWHM | typ. eff. | typ.cd/lm |
|---------|----|----|-----------|-----------|-----------|
| SURI-RS | 38 | 24 | 6         | 91        | 65        |



SURI-RS

## LAURA

Compatibility: Up to 5050 size LED packages

| name     | h  | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|----------|----|-------------|-----------|-----------|------------|
| LAURA-RS | 13 | 21.6 x 21.6 | 8         | 93        | 30.5       |
| LAURA-SS | 13 | 21.6 x 21.6 | 11        | 91        | 14.5       |
| LAURA-D  | 13 | 21.6 x 21.6 | 15        | 88        | 6.2        |
| LAURA-M  | 13 | 21.6 x 21.6 | 29        | 88        | 2.5        |
| LAURA-W  | 13 | 21.6 x 21.6 | 42        | 88        | 1.7        |
| LAURA-WW | 13 | 21.6 x 21.6 | 66        | 86        | 0.7        |
| LAURA-O  | 13 | 21.6 x 21.6 | 40 x 12   | 88        | 4.3        |

## LAURA-G2

Thinner holder design. Backwards compatible with previous generations.

Compatibility: Up to 5050 size LED packages

| name              | h    | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------------|------|-------------|-----------|-----------|------------|
| G2-LAURA-RS-P     | 13.1 | 21.6 x 21.6 | 8         | 93        | 33.2       |
| G2-LAURA-SS-P     | 13.1 | 21.6 x 21.6 | 11        | 93        | 16.5       |
| G2-LAURA-D-P      | 13.1 | 21.6 x 21.6 | 13        | 93        | 9.3        |
| G2-LAURA-M-P      | 13.1 | 21.6 x 21.6 | 30        | 92        | 2.6        |
| G2-LAURA-W-P      | 13.1 | 21.6 x 21.6 | 46        | 91        | 1.6        |
| G2-LAURA-R-W-P    | 13.1 | 21.6 x 21.6 | 70        | 81        | 0.8        |
| G2-LAURA-WW-P     | 13.1 | 21.6 x 21.6 | 66        | 86        | 0.7        |
| G2-LAURA-R-XW-P   | 13.1 | 21.6 x 21.6 | 72        | 86        | 0.6        |
| G2-LAURA-SS-WAS-P | 13.1 | 21.6 x 21.6 | asymm.    | 92        | 11.6       |
| G2-LAURA-O-P      | 13.1 | 21.6 x 21.6 | 40 x 13   | 91        | 4.8        |
| G2-LAURA-O-WAS-P  | 13.1 | 21.6 x 21.6 | asymm.    | 84        | 2.6        |
| G2-LAURA-O90-P    | 13.1 | 21.6 x 21.6 | 15+40     | 90        | 4.4        |

## LEILA

## LEILA

Compatibility: Up to 5050 size LED packages

| beam type name* | h    | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------------|------|------|-----------|-----------|------------|
| -RS2            | 14.6 | 21.6 | 8.5       | 90        | 22.1       |
| -RS **          | 14.6 | 21.6 | 9.6       | 94        | 23.1       |
| -W **           | 14.6 | 21.6 | 42        | 90        | 1.6        |
| -REC            | 14.6 | 21.6 | 37 x 26   | 84        | 2.4        |
| -O              | 14.6 | 21.6 | 39 x 11   | 88        | 4.8        |
| -O-90 **        | 14.6 | 21.6 | 11 x 39   | 89        | 4.6        |
| -WAS            | 14.6 | 21.6 | asymm.    | 84        | 4.0        |
| -D **           | 14.6 | 21.6 | 12        | 90        | 10.0       |
| -M **           | 14.6 | 21.6 | 25        | 92        | 4.8        |
| -O-WAS **       | 14.6 | 21.6 | asymm.    | 84        | 3.8        |

## LEILA-G2

Thinner holder design. Backwards compatible with previous generations.

Compatibility: Up to 5050 size LED packages

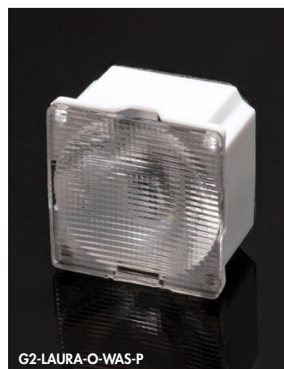
| name          | h    | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------|------|------|-----------|-----------|------------|
| G2-LXP2-RS2-P | 14.7 | 21.6 | 8.5       | 90        | 22.1       |
| G2-LXP2-RS2   | 14.7 | 21.6 | 8.5       | 90        | 22.1       |
| G2-LXP2-D-P   | 14.7 | 21.6 | 9.7       | 88        | 19.8       |
| G2-LXP2-D     | 14.7 | 21.6 | 9.7       | 88        | 19.8       |
| G2-LXP2-M-P   | 14.7 | 21.6 | 22        | 88        | 5.1        |
| G2-LXP2-M     | 14.7 | 21.6 | 22        | 88        | 5.2        |

## LEILA-2X8

Compatibility: Up to 3535 size high power LED packages

| beam type name* | h    | d        | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------------|------|----------|-----------|-----------|------------|
| -RS             | 14.6 | 21.6     | 8         | 94        | 13.3       |
| -RS2            | 14.6 | 21.6     | 9         | 85        | 21.0       |
| -M              | 14.6 | 21.6     | 20        | 94        | 4.1        |
| -W              | 14.6 | 21.6     | 40        | 94        | 1.8        |
| -O-WAS          | 14.6 | 21.6     | TBA       | TBA       | TBA        |
| -D              | 14.6 | 21.6     | 11        | 94        | 10.2       |
| LEILA-FRAME-2X8 | 14.3 | 175 x 43 |           |           |            |

\*Subject to the LED type, check www.ledil.com/leila for actual values. \*\* Compatible with LEILA-SC



G2-LAURA-O-WAS-P



LAURA-RS



LEILA

LEILA-G2



LEILA-2X8

**IRIE**[www.ledil.com/irie](http://www.ledil.com/irie)

Compatibility: Flat 2.75 x 2.0 mm high-power IR LEDs

| name   | h   | d       | typ. FWHM | typ. eff. | typ. cd/lm |
|--------|-----|---------|-----------|-----------|------------|
| IRIE-A | 5.1 | 14 x 14 | asymm.    | 94        | 1.5        |

**IRENE**[www.ledil.com/irene](http://www.ledil.com/irene)

Compatibility: Up to 3535 size IR LED packages

| name        | h    | d    | typ. FWHM |
|-------------|------|------|-----------|
| IRENE-IR-4  | 14.3 | 21.6 | 67 + 67   |
| IRENE-IR-8  | 14.3 | 21.6 | 32 + 32   |
| IRENE-IR-12 | 14.3 | 21.6 | 25 + 25   |
| IRENE-IR-16 | 14.3 | 21.6 | 17 + 17   |
| IRENE-IR-25 | 14.3 | 21.6 | 16 + 16   |

**IRIS**[www.ledil.com/iris](http://www.ledil.com/iris)

Compatibility: Up to 7070 size LED packages

| name    | h   | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|---------|-----|----|-----------|-----------|------------|
| IRIS-RS | ≈29 | 38 | 5         | 93        | 66         |
| IRIS-M  | ≈29 | 38 | 26        | 86        | 2.7        |
| IRIS-O  | ≈29 | 38 | 39 x 28   | 84        | 1.9        |

**BILLIE**[www.ledil.com/billie-family](http://www.ledil.com/billie-family)

Compatibility: Up to 3535 size LED packages

| name     | beam type | h    | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|----------|-----------|------|------|-----------|-----------|------------|
| BILLIE-A | asymm.    | 16.1 | 21.5 | asymm.    | 88        | 2.1        |
| BILLIE-B | asymm.    | 16.1 | 21.5 | asymm.    | 93        | 2.2        |

**MIRA**[www.ledil.com/mira](http://www.ledil.com/mira)

Available with or without holder

Compatibility: Up to 7070 size high power LED packages and small COBs up to 12 mm LES size

| name    | beam type  | h  | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|---------|------------|----|----|-----------|-----------|------------|
| MIRA-M  | medium     | 16 | 35 | 28        | 83        | 2.1        |
| MIRA-W  | wide       | 16 | 35 | 38        | 82        | 1.5        |
| MIRA-WW | extra wide | 16 | 35 | 58        | 83        | 0.9        |

**EVA**[www.ledil.com/eva](http://www.ledil.com/eva)

Compatibility: Up to 7070 size LED packages

| name     | beam type     | h    | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|----------|---------------|------|------|-----------|-----------|------------|
| EVA-S    | spot          | 16.4 | 37.7 | 10        | 93        | 11.9       |
| EVA-SS   | smooth spot   | 16.4 | 37.7 | 11        | 94        | 11.2       |
| EVA-D    | diffused spot | 16.4 | 37.7 | 16        | 80        | 4.9        |
| EVA-M    | medium        | 16.4 | 37.7 | 24        | 89        | 3.2        |
| EVA-W    | wide          | 16.4 | 37.7 | 38        | 83        | 1.4        |
| EVA-WW   | extra wide    | 16.4 | 37.7 | 53        | 82        | 1.7        |
| EVA-O    | oval          | 16.4 | 37.7 | 38 + 17   | 85        | 3.1        |
| EVA-O-90 | oval          | 16.4 | 37.7 | 17 + 40   | 86        | 3.3        |



IRIE



IRENE-IR-16

IRIS-O



BILLIE

MIRA-M



EVA-SS





## TITANIUM

[www.ledil.com/titanium](http://www.ledil.com/titanium)

Compatibility: Up to 3535 size LED packages

| name          | beam type   | d  | typ. FWHM | typ. eff. |
|---------------|-------------|----|-----------|-----------|
| TITANIUM-O-SS | smooth spot | 26 | 9         | 84        |
| TITANIUM-O-M  | medium      | 26 | 25        | 87        |
| TITANIUM-O-W  | wide        | 26 | 65        | 71        |
| TITANIUM-O-O  | oval        | 26 | 35 x 8    | 89        |

## EMILY

[www.ledil.com/emily](http://www.ledil.com/emily)

Compatibility: Up to 5050 size LED packages

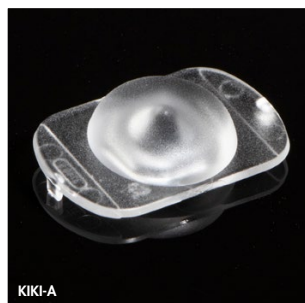
| name         | h    | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------|------|----|-----------|-----------|------------|
| EMILY-RS     | 14.8 | 26 | 8         | 90        | 29.5       |
| EMILY-D      | 14.8 | 26 | 11        | 91        | 14         |
| EMILY-SS     | 14.8 | 26 | 11        | 80        | 13.4       |
| EMILY-M      | 14.8 | 26 | 18        | 91        | 7.4        |
| EMILY-M2     | 14.8 | 26 | 29        | 89,2      | 3.1        |
| EMILY-W      | 14.8 | 26 | 39        | 86        | 1.5        |
| EMILY-WW     | 14.8 | 26 | 44        | 93        | 1.7        |
| EMILY-WWW    | 14.8 | 26 | 58        | 86        | 1          |
| EMILY-SS-WAS | 14.8 | 26 | 12        | 90        | 12         |
| EMILY-O-WAS  | 14.8 | 26 | 43 x 10   | 87        | 3.6        |
| EMILY-O      | 14.8 | 26 | 44 x 10   | 89        | 4.5        |
| EMILY-O-90   | 14.8 | 26 | 45 x 10   | 89        | 4.2        |

## HEIDI

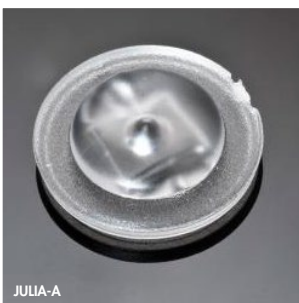
[www.ledil.com/heidi](http://www.ledil.com/heidi)

Compatibility: Up to 3535 size LED packages

| name         | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------|------|-----------|-----------|------------|
| HEIDI-RS     | 21.6 | 8         | 92        | 21.8       |
| HEIDI-D      | 21.6 | 10        | 90        | 14.8       |
| HEIDI-SS     | 21.6 | 15        | 90        | 6.8        |
| HEIDI-M      | 21.6 | 26        | 89        | 3.8        |
| HEIDI-W      | 21.6 | 32        | 87        | 2.6        |
| HEIDI-W2     | 21.6 | 45        | 80        | 1.1        |
| HEIDI-O      | 21.6 | 49 x 11   | 87        | 4.5        |
| HEIDI-O-90   | 21.6 | 13 x 44   | 87        | 4.7        |
| HEIDI-REC-90 | 21.6 | 36 + 57   | 78        | 1.3        |



KIKI-A



JULIA-A



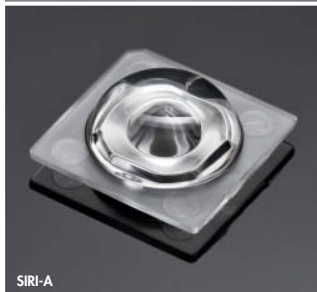
LOTTA-A



EMMA-360



STRADA-S



SIRI-A

**KIKI**[www.ledil.com/kiki](http://www.ledil.com/kiki)

Compatibility: Up to 3535 size LED packages

| name   | beam type          | h   | d         | typ. FWHM | typ. eff. | typ. cd/lm |
|--------|--------------------|-----|-----------|-----------|-----------|------------|
| KIKI-A | wide area lighting | 5.9 | 21.6 x 14 | 163       | 92        | 0.3        |

**JULIA**[www.ledil.com/julia](http://www.ledil.com/julia)

Compatibility: Up to 3535 size LED packages

| name    | beam type          | h   | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|---------|--------------------|-----|------|-----------|-----------|------------|
| JULIA-A | wide area lighting | 4.8 | 18.8 | 88 + 160  | 90        | 0.2        |

**LOTTA**[www.ledil.com/lotta](http://www.ledil.com/lotta)

Compatibility: Up to 3535 size LED packages

| name    | beam type          | h   | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|---------|--------------------|-----|-------------|-----------|-----------|------------|
| LOTTA-A | wide area lighting | 3.6 | 19.6 x 15.4 | 168       | 88        | 0.3        |

**EMMA**[www.ledil.com/emma](http://www.ledil.com/emma)

Compatibility: Up to 3535 size LED packages

| name     | beam type    | h   | d         | typ. FWHM | typ. eff. | typ. cd/lm |
|----------|--------------|-----|-----------|-----------|-----------|------------|
| EMMA-360 | side emitter | 5.7 | 9.9 x 9.9 | 170       | 92        | 0.4        |

**STRADA-S**[www.ledil.com/strada-s](http://www.ledil.com/strada-s)

Compatibility: Up to 3535 size LED packages

| name     | beam type    | h   | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|----------|--------------|-----|-------------|-----------|-----------|------------|
| STRADA-S | side emitter | 6.9 | 19.6 x 15.5 | 144+170   | 93        | 0.4        |

**SIRI**[www.ledil.com/siri](http://www.ledil.com/siri)

Compatibility: Up to 3535 size LED packages

| name      | beam type                         | h   | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------|-----------------------------------|-----|-------------|-----------|-----------|------------|
| SIRI-A    | wide area lighting                | 4.2 | 13.9 x 13.9 | 74 + 134  | 95        | 0.3        |
| SIRI-DOME | LED cover, no effect on the light | 4.9 | 13.9 x 13.9 | 144       | 97        | 0.2        |
| SIRI-DIFF |                                   | 4.9 | 13.9 x 13.9 | 144       | 95        | 0.2        |



LEIA



HELENA-A



EMERALD-ER1



VENLA-S-IRIS

## LEIA

[www.ledil.com/leia](http://www.ledil.com/leia)

Compatibility: Designed for single chip 3535 LED packages, compatible with up to 7070 size LED packages

| name                          | beam type           | h    | d    | typ. FWHM | typ. cd/lm |
|-------------------------------|---------------------|------|------|-----------|------------|
| LEIA-S                        | ultra-narrow spot   | 51.3 | 46.7 | 3         | 68.0       |
| LEIA-S + LEIA-SUB-O           | narrow oval         | 53   | 46.7 | 50 + 5    | 5.0        |
| <b>additional accessories</b> |                     |      |      |           |            |
| LEIA-SUB-O                    | narrow oval sublens |      |      |           |            |

## HELENA

[www.ledil.com/helena](http://www.ledil.com/helena)

Compatibility: All LED types

| name     | beam type | h  | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|----------|-----------|----|------|-----------|-----------|------------|
| HELENA-A | medium    | 11 | 72.8 | 19        | 68        | 4.0        |
| HELENA-B | medium    | 11 | 72.8 | 24        | 74        | 2.1        |

## EMERALD

[www.ledil.com/emerald](http://www.ledil.com/emerald)

Compatibility:

- EMERALD: Up to 5050 size LED packages
- EMERALD-MAXI: Up to 7070 size LED packages

| EMERALD     |                    |     |      |           |           |            |
|-------------|--------------------|-----|------|-----------|-----------|------------|
| name        | beam type          | h   | d    | typ. FWHM | typ. eff. | typ. cd/lm |
| EMERALD-A   | rectangular        | 7.3 | 21.6 | 150 x 20  | 89        | 1.9        |
| EMERALD-ER1 | rectangular        | 7.8 | 21.6 | 155 x 30  | 86        | 1.6        |
| EMERALD-ER2 | rectangular        | 9.3 | 21.6 | 130 x 20  | 86        | 1.8        |
| EMERALD-AP  | wide area lighting | 6.9 | 21.6 | asymm.    | 89        | 0.4        |

## EMERALD-MAXI

| name           | beam type          | h    | d       | typ. FWHM | typ. eff. | typ. cd/lm |
|----------------|--------------------|------|---------|-----------|-----------|------------|
| EMERALD-MAXI-A | wide area lighting | 12.2 | 33 x 25 | asymm.    | 92        | 2.0        |

## VENLA

[www.ledil.com/venla](http://www.ledil.com/venla)

Compatibility: Up to 7070 size LED packages

| name         | beam type | h    | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------|-----------|------|----|-----------|-----------|------------|
| VENLA-S-IRIS | spot      | 27.2 | 45 | 16        | 90        | 8.0        |



FLARE-MAXI-T



CRYSTAL-RS



SEANNA-A

## FLARE

[www.ledil.com/flarefamily](http://www.ledil.com/flarefamily)

Compatibility:

- FLARE-MINI: Up to 3535 size packages
- FLARE: Up to 5050 size packages
- FLARE-MAXI: Up to 7070 size packages

### FLARE

| name        | h     | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------|-------|-------------|-----------|-----------|------------|
| FLARE-B     | 12.69 | 29 x 23     | 102 x 11  | 93        | 1.6        |
| FLARE-C     | 14.55 | 24.5 x 24.5 | 87 x 8    | 93        | 3.2        |
| FLARE-C-D   | 14.55 | 24.5 x 24.5 | 95 x 21   | 93        | 1.0        |
| LEDIL-FLARE | 16.2  | 23 x 25     | 138 x 20  | 92        | 1.3        |

### FLARE-MINI

| name              | h   | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------------|-----|----|-----------|-----------|------------|
| FLARE-MINI-AD     | 8.6 | 16 | 98 x 19   | 94        | 1.1        |
| FLARE-MINI-AD-PIN | 8.6 | 16 | 98 x 19   | 94        | 1.1        |
| FLARE-MINI-A      | 8.6 | 16 | 106 x 20  | 94        | 1.1        |
| FLARE-MINI-A-PIN  | 8.6 | 16 | 106 x 20  | 94        | 1.0        |

### FLARE-MAXI

| name         | h    | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------|------|-------------|-----------|-----------|------------|
| FLARE-MAXI   | 16.7 | 33.9 x 33.3 | 99 x 13   | 94        | 2.3        |
| FLARE-MAXI-D | 16.7 | 33.9 x 33.3 | 108 x 15  | 94        | 1.8        |
| FLARE-MAXI-T | 15.5 | 43 x 28.4   | 82+21     | 93        | 1.3        |

## CRYSTAL

[www.ledil.com/crystal](http://www.ledil.com/crystal)

Compatibility: Up to 7070 size LED packages

| name         | beam type | h    | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------|-----------|------|------|-----------|-----------|------------|
| CRYSTAL-RS   | real spot | 28.7 | 49.7 | 5.1       | 89        | 67.9       |
| CRYSTAL-MINE | spot      | 28.7 | 49.7 | 4.9       | 90        | 59.6       |

## SEANNA

[www.ledil.com/seanna](http://www.ledil.com/seanna)

Compatibility: Up to 7070 size LED packages

| name     | beam type | h  | d     | typ. FWHM | typ. eff. |
|----------|-----------|----|-------|-----------|-----------|
| SEANNA-A | real spot | 79 | 152.6 | 2.3       | 87        |



GABRIELLA

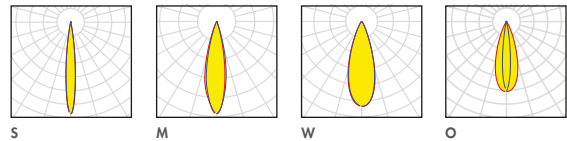
[www.ledil.com/gabriella](http://www.ledil.com/gabriella)

TESTED FOR  
 TUNABLE  
 WHITE

Compatibility: Optimized for 5050 sized and compatible with 7070 RGB LEDs

| GABRIELLA-45   |    |    |           |           |           |
|----------------|----|----|-----------|-----------|-----------|
| name           | d  | h  | typ. FWHM | typ. eff. | typ.cd/lm |
| GABRIELLA-45-S | 45 | 29 | 9         | 90        | 24.0      |
| GABRIELLA-45-M | 45 | 29 | 25        | 86        | 5.0       |
| GABRIELLA-45-W | 45 | 29 | 36        | 81        | 2.2       |

| GABRIELLA-MIDI   |    |    |           |           |           |
|------------------|----|----|-----------|-----------|-----------|
| name             | d  | h  | typ. FWHM | typ. eff. | typ.cd/lm |
| GABRIELLA-MIDI-S | 38 | 24 | 11        | 91        | 11.5      |
| GABRIELLA-MIDI-M | 38 | 24 | 24        | 88        | 4.0       |
| GABRIELLA-MIDI-W | 38 | 24 | 35        | 85        | 2.2       |
| GABRIELLA-MIDI-O | 38 | 24 | 11 + 33   | 87        | 6.2       |



RGBX

[www.ledil.com/rgbx](http://www.ledil.com/rgbx)

TESTED FOR  
 TUNABLE  
 WHITE

Compatibility: Up to 5050 size RGB LEDs

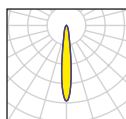
| name    | d  | h  | typ. FWHM | typ. eff. | typ.cd/lm |
|---------|----|----|-----------|-----------|-----------|
| RGBX-SS | 28 | 30 | 20        | 85        | 3.8       |
| RGBX-M  | 28 | 30 | 30        | 70        | 1.3       |
| RGBX2-S | 28 | 30 | 20        | 77        | 4.6       |
| RGBX2-M | 28 | 30 | 34        | 68        | 1.5       |
| RGBX2-O | 28 | 30 | 48 + 24   | 66        | 1.5       |

**AMY**[www.ledil.com/amy](http://www.ledil.com/amy)**NEW**
**NN**  
 KONNKTAKT

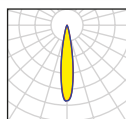
Compatibility:

- Compatible with up to 10mm LES size COBs
- Fits LEDiL HEKLA (holder C) and BJB connectors
- Available with or without holder

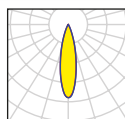
| name      |               | beam type | d       | h     | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------|---------------|-----------|---------|-------|-----------|-----------|------------|
| AMY-50-S2 | <b>COMING</b> | S         | 50 x 50 | 10.70 | 15        | 90        | 4.2        |
| AMY-50-S  |               | S         | 50 x 50 | 10.80 | 18        | 90        | 6.7        |
| AMY-50-M  |               | M         | 50 x 50 | 10.91 | 24        | 92        | 4.0        |
| AMY-50-W  |               | W         | 50 x 50 | 10.97 | 35        | 89        | 2.1        |
| AMY-50-WW |               | WW        | 50 x 50 | 10.97 | 59        | 90        | 1.0        |



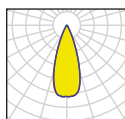
AMY-50-S2



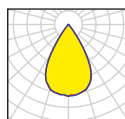
AMY-50-S



AMY-50-M



AMY-50-W



AMY-50-WW



**PATENT PENDING**

ILONA-ZOOM

**ILONA**[www.ledil.com/ilona](http://www.ledil.com/ilona)

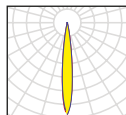
Compatibility:

- Optimized for 6-9 mm and compatible with up to 14.5 mm LES size COBs
- LEDIL HEKLA baseparts (page 43)

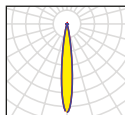
TESTED FOR  
**TUNABLE  
WHITE**

KONNTAKT

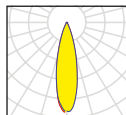
| name       | d    | h     | typ. FWHM | typ. eff. | typ.cd/lm |
|------------|------|-------|-----------|-----------|-----------|
| ILONA-RS   | 50   | 29.15 | 10        | 94        | 15.0      |
| ILONA-SS   | 50   | 29.30 | 14        | 90        | 12.0      |
| ILONA-M    | 50   | 29.66 | 25        | 92        | 4.5       |
| ILONA-W    | 50   | 29.70 | 36        | 89        | 2.0       |
| ILONA-WW   | 50   | 29.44 | 57        | 84        | 1.0       |
| ILONA-ZOOM | 52.5 | 33.22 | 13 to 48  | 82        | 9.5-1.0   |



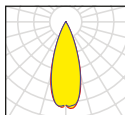
ILONA-RS



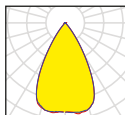
ILONA-SS



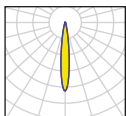
ILONA-M



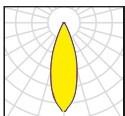
ILONA-W



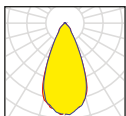
ILONA-WW

**ILONA-ZOOM**

Spot | 13.5°



Half | 34°



Full | 46°

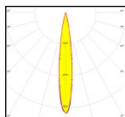


SAKURA

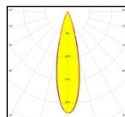
**SAKURA**[www.ledil.com/sakura](http://www.ledil.com/sakura)

Compatibility: Optimized for 14.5 mm and compatible with up to 22 mm LES size COBs

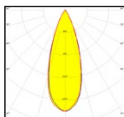
| name        | d  | h    | typ. FWHM | typ. eff. | typ.cd/lm |
|-------------|----|------|-----------|-----------|-----------|
| SAKURA-70-S | 70 | 33.1 | 15        | 85        | 10.2      |
| SAKURA-70-M | 70 | 33.1 | 26        | 83        | 3.5       |
| SAKURA-70-W | 70 | 33.1 | 36        | 80        | 1.8       |



SAKURA-70-S



SAKURA-70-M



SAKURA-70-W



TESTED FOR  
TUNABLE  
WHITE



**PATENT PENDING**

**NEW**

*YASMEEN is a versatile COB optics family with supreme light quality for track lighting. It is available in the most popular sizes and beams with tunable white capabilities.*

YASMEEN

## YASMEEN

[www.ledil.com/yasmeen](http://www.ledil.com/yasmeen)

**NEW**

TESTED FOR

**TUNABLE  
WHITE**

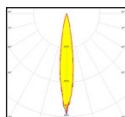


KONNKTAK

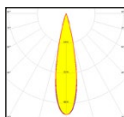
### Compatibility:

- Ø30 mm: Up to 7070 size LED packages
- Ø50 mm: LES 6-10 mm
- Ø70 mm: LES 10-14.5 mm
- LEDiL HEKLA (with holder C)
- BJB connectors (with holder B)

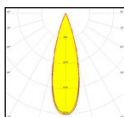
| name          | d  | h    | typ. FWHM | typ. eff. | typ.cd/lm |
|---------------|----|------|-----------|-----------|-----------|
| YASMEEN-30-RS | 30 | 18.2 | 11        | 92        | 22.7      |
| YASMEEN-50-S  | 50 | 30.5 | 15        | 85        | 8.0       |
| YASMEEN-50-M  | 50 | 30.5 | 26        | 85        | 5.0       |
| YASMEEN-50-W  | 50 | 30.5 | 36        | 85        | 2.0       |
| YASMEEN-50-WW | 50 | 30.5 | 60        | 85        | 1.0       |
| YASMEEN-70-S  | 70 | 39.9 | 15        | 85        | 12.0      |
| YASMEEN-70-M  | 70 | 39.9 | 24        | 85        | 5.0       |
| YASMEEN-70-W  | 70 | 39.9 | 36        | 85        | 2.0       |
| YASMEEN-70-WW | 70 | 39.9 | 60        | 85        | 1.0       |



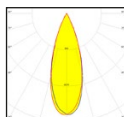
YASMEEN-30-RS



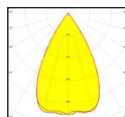
YASMEEN-50/70-S



YASMEEN-50/70-M



YASMEEN-50/70-W



YASMEEN-50/70-WW



RONDA

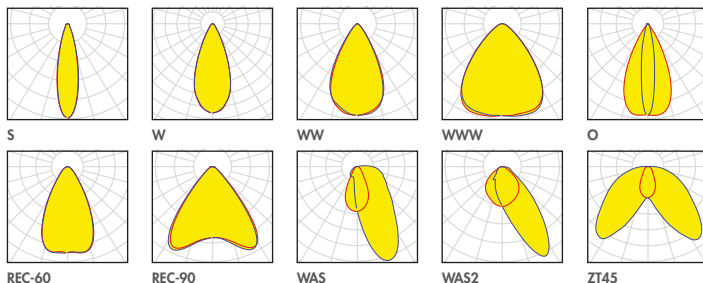
**RONDA**[www.ledil.com/ronda](http://www.ledil.com/ronda)

Compatibility:

- LES sizes up to 16 mm, asymmetric up to 14.5 mm
- Holder A: LEDiL baseparts with A-interface (page 42)
- Holder B: 3<sup>rd</sup> party baseparts compatible with B-interface (page 42)
- Holder C: LEDiL HEKLA baseparts (page 43)

**NN**  
 KONNTAKT

| name         | beam type               | d (hld A/B) | d (hld C) | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------|-------------------------|-------------|-----------|-----------|-----------|------------|
| RONDA-S      | spot                    | 69.9        | 53.9      | 27        | 85        | 1.8        |
| RONDA-W      | wide                    | 69.9        | 53.9      | 43        | 87        | 1.6        |
| RONDA-WW     | extra wide              | 69.9        | 53.9      | 62        | 89        | 0.8        |
| RONDA-WWW    | extra <sup>2</sup> wide | 69.9        | 53.9      | 90        | 87        | 0.5        |
| RONDA-REC-60 | rectangular             | 69.9        | 53.9      | 58 + 58   | 89        | 0.8        |
| RONDA-REC-90 | rectangular             | 69.9        | 53.9      | 80        | 87        | 0.5        |
| RONDA-O      | oval                    | 69.9        | 53.9      | 49 + 30   | 86        | 1.4        |
| RONDA-WAS    | asymm.                  | 69.9        | 53.9      | asymm.    | 86        | 1.1        |
| RONDA-WAS2   | asymm.                  | 69.9        | 53.9      | asymm.    | 89        | 0.9        |
| RONDA-ZT45   | double asymmetric       | 69.9        | 53.9      | asymm.    | 85        | 0.5        |





GERMAN  
DESIGN  
AWARD  
WINNER  
2019



MOLLY

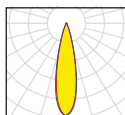
## MOLLY

[www.ledil.com/molly](http://www.ledil.com/molly)

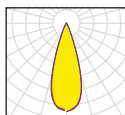
### Compatibility:

- Optimized for 14.5 mm LES and compatible up to 19 mm LES
- LEDiL baseparts with A-interface (page 42)
- B-versions: 3rd party baseparts compatible with B-interface (page 42)

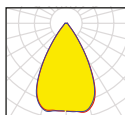
| name    | beam type | h    | d    | typ. FWHM |
|---------|-----------|------|------|-----------|
| MOLLY-S | spot      | 24.8 | 69.8 | 25        |
| MOLLY-M | medium    | 23.6 | 69.8 | 37        |
| MOLLY-W | wide      | 22.1 | 69.8 | 60        |



S



M



W





CARMEN-50



WINNIE-M



WINNIE-M-C

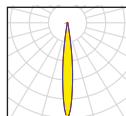
## CARMEN

[www.ledil.com/carmen](http://www.ledil.com/carmen)

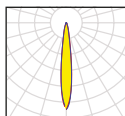
### Compatibility:

- CARMEN-50: LES sizes up to 10 mm
- CARMEN-70: LES sizes up to 11 mm
- Holder B: (CARMEN-70-S, -M, -W): 3rd party baseparts compatible with B-interface (page 42)
- Holder C: LEDIL HEKLA baseparts (page 43)
- CARMEN-70-SHD: CARMEN-RS and -SS

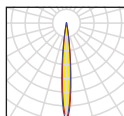
| name                | beam type | h           | d       |
|---------------------|-----------|-------------|---------|
| CARMEN-50/70-RS     | real spot | 25.5 / 36.3 | 50 / 70 |
| CARMEN-50/70-S      | spot      | 25.5 / 36.3 | 50 / 70 |
| CARMEN-50/70-M      | medium    | 25.5 / 36.3 | 50 / 70 |
| CARMEN-70-M2        | medium    | 36.3        | 70      |
| CARMEN-50/70-W      | wide      | 25.5 / 36.3 | 50 / 70 |
| CARMEN-50/70-RS-WHT | real spot | 25.5 / 36.3 | 50 / 70 |
| CARMEN-50/70-S-WHT  | spot      | 25.5 / 36.3 | 50 / 70 |
| CARMEN-50/70-M-WHT  | medium    | 25.5 / 36.3 | 50 / 70 |
| CARMEN-50/70-W-WHT  | wide      | 25.5 / 36.3 | 50 / 70 |



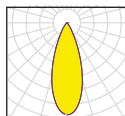
RS



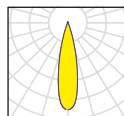
S



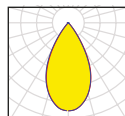
SS



M



M2



W

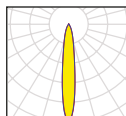
## WINNIE

[www.ledil.com/winniefamily](http://www.ledil.com/winniefamily)

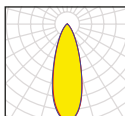
### Compatibility:

- COBs with LES sizes up to 21 mm
- WINNIE-HOLDER: 3<sup>rd</sup> party baseparts compatible with B-interface (page 42)
- Holder-C: LEDIL HEKLA baseparts (page 43)

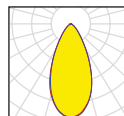
| name      | beam type        | h    | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------|------------------|------|------|-----------|-----------|------------|
| WINNIE-S  | spot             | 19.3 | 49.8 | 22        | 88        | 3.4        |
| WINNIE-M  | medium flood     | 19.3 | 49.8 | 35        | 86        | 1.8        |
| WINNIE-W  | wide flood       | 19.3 | 49.8 | 50        | 88        | 1.3        |
| WINNIE-WW | extra wide flood | 19.3 | 49.8 | 70        | 83        | 0.7        |
| WINNIE-O  | oval             | 19.3 | 49.8 | 63 + 24   | 89        | 1.5        |



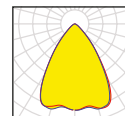
S



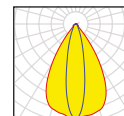
M



W



WW



O





SAGA-HB-IP-WHT



ZORYA-MINI / ZORYA



OLGA-S

## SAGA

[www.ledil.com/sagafamily](http://www.ledil.com/sagafamily)


Compatibility:

- COB's with LES sizes up to 14 mm
- 3<sup>rd</sup> party connectors from Bender+Wirth

| name           | beam type | h  | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|----------------|-----------|----|----|-----------|-----------|------------|
| SAGA-HB-IP-WHT | high bay  | 12 | 50 | 62        | 90        | 0.8        |

## ZORYA

[www.ledil.com/zorya](http://www.ledil.com/zorya)


Compatibility:

- ZORYA-SC: LES sizes from 6 mm to 24 mm
- ADAPTER-B: 3<sup>rd</sup> party baseparts with B-interface (page 42)
- ADAPTER-C: LEDIL HEKLA baseparts (page 43)
- ZORYA-MINI: For high power LEDs up to 7070 size packages

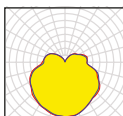


### ZORYA

| name       |                            | h  | d  | typ. eff. | typ. FWHM |
|------------|----------------------------|----|----|-----------|-----------|
| ZORYA-SC   |                            | 35 | 55 | 94        | 245       |
| ZORYA-SC-B | BJB 47.319.2021 compatible | 35 | 55 | 97        | 245       |
| ZORYA-SC-C | HEKLA compatible           | 35 | 55 | 94        | 245       |

### ZORYA-MINI

| name       |         | h    | d  | typ. eff. | typ. FWHM |
|------------|---------|------|----|-----------|-----------|
| ZORYA-MINI | PC lens | 14.6 | 22 | 98        | 145       |



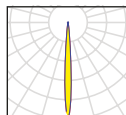
ZORYA-SC

## OLGA

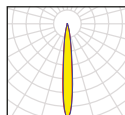
[www.ledil.com/olga](http://www.ledil.com/olga)

Compatibility: Up to 7070 size LED packages

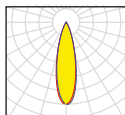
| name     | d       | h           | typ. FWHM | typ. eff. | typ.cd/lm |
|----------|---------|-------------|-----------|-----------|-----------|
| OLGA-RS  | 30 / 32 | 18.5 / 19.1 | 9         | 92        | 25.0      |
| OLGA-S   | 30 / 32 | 18.5 / 19.1 | 11        | 87        | 13.6      |
| OLGA-M   | 30 / 32 | 18.5 / 19.1 | 25        | 85        | 2.8       |
| OLGA-W   | 30 / 32 | 18.5 / 19.1 | 40        | 89        | 2.2       |
| OLGA-WAS | 30 / 32 | 18.5 / 19.1 | asymm.    | 81        | 1.1       |
| OLGA-O   | 30 / 32 | 18.5 / 19.1 | 10 + 40   | 90        | 5.0       |



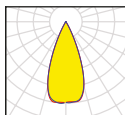
OLGA-RS



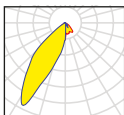
OLGA-S



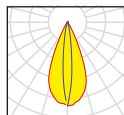
OLGA-M



OLGA-W



OLGA-WAS



OLGA-O

**SATU**[www.ledil.com/satu](http://www.ledil.com/satu)

Compatibility: Up to 3535 size LED packages

| name   | beam type | LEDs | h   | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|--------|-----------|------|-----|------|-----------|-----------|------------|
| SATU-S | spot      | 3    | 8.9 | 21.8 | 19        | 90        | 4.9        |
| SATU-M | medium    | 3    | 8.9 | 21.8 | 27        | 91        | 2.9        |
| SATU-W | wide      | 3    | 8.9 | 21.8 | 33        | 86        | 1.9        |
| SATU-O | oval      | 3    | 8.9 | 21.8 | 42 x 22   | 86        | 2.5        |

**CUTE**[www.ledil.com/cute](http://www.ledil.com/cute)

Compatibility: Up to 5050 size packages

**CUTE-3**

| name      | beam type | LEDs | h  | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------|-----------|------|----|----|-----------|-----------|------------|
| CUTE-3-S  | S         | 3    | 15 | 35 | 11        | 94        | 5.7        |
| CUTE-3-SS | SS        | 3    | 15 | 35 | 12        | 90        | 11.3       |
| CUTE-3-M  | M         | 3    | 15 | 35 | 24        | 88        | 3.8        |
| CUTE-3-W  | W         | 3    | 15 | 35 | 39        | 83        | 1.6        |
| CUTE-3-WW | WW        | 3    | 15 | 35 | 58        | 93        | 0.8        |

**GT3**[www.ledil.com/gt3](http://www.ledil.com/gt3)

Compatibility: Up to 3535 size LED packages

| name   | beam type | LEDs | h | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|--------|-----------|------|---|----|-----------|-----------|------------|
| GT3-S  | S         | 3    | 9 | 35 | 18        | 90        | 4.5        |
| GT3-M  | M         | 3    | 9 | 35 | 30        | 89        | 2.2        |
| GT3-W  | W         | 3    | 9 | 35 | 40        | 88        | 1.6        |
| GT3-WW | WW        | 3    | 9 | 35 | 47        | 90        | 1.1        |

**GT4**[www.ledil.com/gt4](http://www.ledil.com/gt4)

Compatibility: Up to 3535 size LED packages

| name   | beam type | LEDs | h | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|--------|-----------|------|---|----|-----------|-----------|------------|
| GT4-S  | S         | 4    | 9 | 35 | 21        | 90        | 3.3        |
| GT4-M  | M         | 4    | 9 | 35 | 28        | 88        | 2.5        |
| GT4-W  | W         | 4    | 9 | 35 | 38        | 89        | 1.7        |
| GT4-WW | WW        | 4    | 9 | 35 | 53        | 90        | 1.1        |



SATU-O



CUTE



GT3-M



GT4

**ANGIE**[www.ledil.com/angie](http://www.ledil.com/angie)

Compatibility: Up to 3535 size LED packages

| name     | beam type | LEDs | h    | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|----------|-----------|------|------|----|-----------|-----------|------------|
| ANGIE-S  | S         |      | 10,7 | 34 | 12        | 93        | 11.8       |
| ANGIE-M2 | M2        |      | 10,7 | 34 | 26        | 88        | 3.3        |
| ANGIE-W  | W         |      | 10,7 | 34 | 29        | 84        | 2.4        |

**TAMPA**[www.ledil.com/tampa](http://www.ledil.com/tampa)

Compatibility: Up to 3535 size LED packages

| name          | beam type | LEDs | h    | d  | typ. FWHM | typ. eff. |  |
|---------------|-----------|------|------|----|-----------|-----------|--|
| NIS83-MX-7-M  | M         | 7    | 11.4 | 38 | 20        | 90        |  |
| NIS83-MX-7-W  | W         | 7    | 11.4 | 38 | 37        | 89        |  |
| NIS83-MX-7-WW | WW        | 7    | 11.4 | 38 | 57        | 87        |  |

**ANNA**[www.ledil.com/anna](http://www.ledil.com/anna)

Compatibility: Up to 3535 size LED packages

**ANNA-40**

| name         | beam type | LED sources | d  | h    | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------|-----------|-------------|----|------|-----------|-----------|------------|
| ANNA-40-5-S  | S         | 5           | 40 | 10.7 | 15        | 91        | 8.5        |
| ANNA-40-6-S  |           | 6           |    |      |           |           |            |
| ANNA-40-7-S  |           | 7           |    |      |           |           |            |
| ANNA-40-6-M  | M         | 6           | 40 | 10.7 | 22        | 88        | 3.7        |
| ANNA-40-7-M  |           | 7           |    |      |           |           |            |
| ANNA-40-7-M2 | M         | 7           | 40 | 10.7 | 25        | 87        | 3.2        |
| ANNA-40-4-W  | W         | 4           | 40 | 10.7 | 32        | 86        | 1.9        |
| ANNA-40-6-W  |           | 6           |    |      |           |           |            |
| ANNA-40-7-W  |           | 7           |    |      |           |           |            |
| ANNA-40-7-WW | WW        | 7           | 40 | 12.5 | 64        | 90        | 0.9        |

**ANNA-50**

| name        | beam type | LED sources | d  | h    | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------|-----------|-------------|----|------|-----------|-----------|------------|
| ANNA-50-3-S | S         | 3           | 50 | 10.7 | 15        | 91        | 8.5        |
| ANNA-50-7-S |           | 7           |    |      |           |           |            |
| ANNA-50-3-M | M         | 3           | 50 | 10.7 | 22        | 88        | 3.7        |
| ANNA-50-7-M |           | 7           |    |      |           |           |            |
| ANNA-50-3-W | W         | 3           | 50 | 10.7 | 32        | 86        | 1.9        |
| ANNA-50-4-W |           | 4           |    |      |           |           |            |
| ANNA-50-6-W |           | 6           |    |      |           |           |            |
| ANNA-50-7-W |           | 7           |    |      |           |           |            |



ANGIE-S



NIS83-MX-7-M



ANNA-40-7-M

## TUIJA

[www.ledil.com/tuija](http://www.ledil.com/tuija)

Compatibility: Up to 3535 size LED packages

| name       | beam type   | LEDs | h    | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|------------|-------------|------|------|----|-----------|-----------|------------|
| TUIJA-3-SS | smooth spot | 3    | 14.5 | 50 | 12        | 90        | 12.9       |
| TUIJA-3-M  | medium      | 3    | 14.5 | 50 | 16        | 84        | 5.6        |
| TUIJA-3-M2 | medium      | 3    | 14.5 | 50 | 35        | 87        | 2          |
| TUIJA-3-W  | wide        | 3    | 14.5 | 50 | 53        | 86        | 0.9        |

## SANDRA

[www.ledil.com/sandra](http://www.ledil.com/sandra)

Compatibility: Up to 3535 size LED packages

| name        | beam type | LEDs | h    | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------|-----------|------|------|----|-----------|-----------|------------|
| SANDRA-12-S | spot      | 12   | 11.1 | 67 | 14        | 91        | 13.2       |
| SANDRA-12-M | medium    | 12   | 11.1 | 67 | 28        | 88        | 2.4        |
| SANDRA-12-W | wide      | 12   | 11.1 | 67 | 31        | 88        | 2.4        |
| SANDRA-12-O | oval      | 12   | 11.1 | 67 | 42 + 19   | 90        | 2.8        |

## VIRPI

[www.ledil.com/virpifamily](http://www.ledil.com/virpifamily)

Compatibility: Up to 3535 size LED packages

| name    | beam type | LEDs | h   | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|---------|-----------|------|-----|-------------|-----------|-----------|------------|
| VIRPI-S | spot      | 25   | 9.4 | 74.9 x 74.9 | 15        | 94        | 7.5        |
| VIRPI-M | medium    | 25   | 9.4 | 74.9 x 74.9 | 29        | 92        | 2.7        |
| VIRPI-W | wide      | 25   | 9.4 | 74.9 x 74.9 | 42        | 91        | 1.6        |

## IDA

[www.ledil.com/idafamily](http://www.ledil.com/idafamily)

Compatibility: Up to 3535 size mid-power LED packages

| name     | beam type | LEDs | h   | d       | typ. FWHM | typ. eff. |
|----------|-----------|------|-----|---------|-----------|-----------|
| IDA16-M  | narrow    | 16   | 9.2 | 50 x 50 | 40        | 92        |
| IDA16-WW | very wide | 16   | 9.2 | 50 x 50 | 71        | 93        |
| IDA16-O  | oval      | 16   | 9.2 | 50 x 50 | 90 + 33   | 92        |



TUIJA



SANDRA-12-O



VIRPI-M



IDA16-WW

## FLORENTINA-12X1

Compatibility: LEDIL standard TINA/TINA2 lenses (up to 3535 LED size packages)

| name              | beam type     | h    | d        | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------------|---------------|------|----------|-----------|-----------|------------|
| FLORENTINA-HLD-RS | real spot     | 25.1 | 29 x 287 | 11        | 84        | 16.7       |
| FLORENTINA-HLD-D  | diffused spot | 25.1 | 29 x 287 | 13        | 84        | 9.6        |
| FLORENTINA-HLD-SS | smooth spot   | 25.1 | 29 x 287 | 21        | 85        | 5.9        |
| FLORENTINA-HLD-M  | medium        | 25.1 | 29 x 287 | 29        | 81        | 3.3        |
| FLORENTINA-HLD-W  | wide          | 25.1 | 29 x 287 | 42        | 84        | 1.8        |
| FLORENTINA-HLD-WW | extra wide    | 25.1 | 29 x 287 | 50        | 78        | 1.1        |
| FLORENTINA-HLD-BW | batwing       | 25.1 | 29 x 287 | 60        | 81        | 1.0        |
| FLORENTINA-HLD-O  | oval          | 25.1 | 29 x 287 | 35 + 12   | 83        | 5.1        |

## FLORENTINA-1

Compatibility: LEDIL standard ROSE lenses up to 5050 size and ROSE-MRK lenses up to 7070 size LED packages

| name                  | beam type     | h    | d       | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------------------|---------------|------|---------|-----------|-----------|------------|
| FLORENTINA-1-RS-60    | real spot     | 31.9 | 40 x 40 | 16        | 80        | 9.3        |
| FLORENTINA-1-SS-60    | smooth spot   | 31.9 | 40 x 40 | 18        | 83        | 7          |
| FLORENTINA-1-D-60     | diffused spot | 31.9 | 40 x 40 | 21        | 77        | 5.1        |
| FLORENTINA-1-M-60     | medium        | 31.9 | 40 x 40 | 31        | 78        | 2.6        |
| FLORENTINA-1-W-60     | wide          | 31.9 | 40 x 40 | 44        | 71        | 1.3        |
| FLORENTINA-1-O-60     | oval          | 31.9 | 40 x 40 | 44 + 20   | 72        | 2.8        |
| FLORENTINA-1-MRK-S-60 | spot          | 31.9 | 40 x 40 | 26        | 68        | 2.3        |
| FLORENTINA-1-MRK-M-60 | medium        | 31.9 | 40 x 40 | 40        | 75        | 1.4        |
| FLORENTINA-1-MRK-W-60 | wide          | 31.9 | 40 x 40 | 57        | 70        | 0.7        |
| FLORENTINA-1-MRK-BW   | batwing       | 31.9 | 40 x 40 | 60        | 63        | 0.7        |

## FLORENTINA-2X2

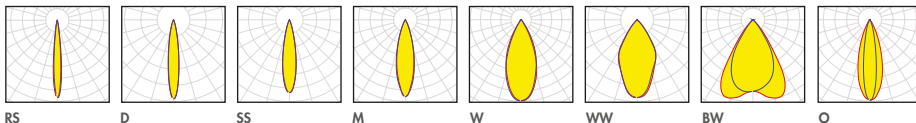
Compatibility: LEDIL standard ROSE lenses up to 5050 size and ROSE-MRK lenses up to 7070 size LED packages

| name                  | beam type     | h    | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------------------|---------------|------|-------------|-----------|-----------|------------|
| FLORENTINA-2X2-RS     | real spot     | 28.5 | 95.6 x 95.6 | 16        | 78        | 7.4        |
| FLORENTINA-2X2-D      | diffused spot | 28.5 | 95.6 x 95.6 | 19        | 77        | 5.5        |
| FLORENTINA-2X2-SS     | smooth spot   | 28.5 | 95.6 x 95.6 | 20        | 79        | 5.4        |
| FLORENTINA-2X2-M      | medium        | 28.5 | 95.6 x 95.6 | 30        | 75        | 2.4        |
| FLORENTINA-2X2-W      | wide          | 28.5 | 95.6 x 95.6 | 49        | 70        | 1.0        |
| FLORENTINA-2X2-O      | oval          | 28.5 | 95.6 x 95.6 | 44 + 18   | 70        | 2.5        |
| FLORENTINA-2X2-MRK-S  | spot          | 28.5 | 95.6 x 95.6 | 28        | 68        | 2.1        |
| FLORENTINA-2X2-MRK-M  | medium        | 28.5 | 95.6 x 95.6 | 42        | 74        | 1.4        |
| FLORENTINA-2X2-MRK-W  | wide          | 28.5 | 95.6 x 95.6 | 53        | 94        | 0.7        |
| FLORENTINA-2X2-MRK-BW | batwing       | 28.5 | 95.6 x 95.6 | 64        | 63        | 0.7        |

## FLORENTINA-4X1

Compatibility: LEDIL standard ROSE lenses up to 5050 size and ROSE-MRK lenses up to 7070 size LED packages

| name                  | beam type     | h    | d            | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------------------|---------------|------|--------------|-----------|-----------|------------|
| FLORENTINA-4X1-RS     | real spot     | 28.5 | 175.6 x 55.6 | 10        | 82        | 19.0       |
| FLORENTINA-4X1-SS     | smooth spot   | 28.5 | 175.6 x 55.6 | 16        | 81        | 8.5        |
| FLORENTINA-4X1-D      | diffused spot | 28.5 | 175.6 x 55.6 | 18        | 77        | 6.6        |
| FLORENTINA-4X1-M      | medium        | 28.5 | 175.6 x 55.6 | 30        | 75        | 2.4        |
| FLORENTINA-4X1-W      | wide          | 28.5 | 175.6 x 55.6 | 36        | 69        | 1.5        |
| FLORENTINA-4X1-O      | oval          | 28.5 | 175.6 x 55.6 | 44 + 15   | 74        | 3.0        |
| FLORENTINA-4X1-MRK-S  | spot          | 28.5 | 175.6 x 55.6 | 28        | 77        | 2.1        |
| FLORENTINA-4X1-MRK-M  | medium        | 28.5 | 175.6 x 55.6 | 39        | 75        | 1.5        |
| FLORENTINA-4X1-MRK-W  | wide          | 28.5 | 175.6 x 55.6 | 49        | 73        | 0.8        |
| FLORENTINA-4X1-MRK-BW | batwing       | 28.5 | 175.6 x 55.6 | 64        | 63        | 0.7        |



# FLORENCE

[www.ledil.com/florence-family](http://www.ledil.com/florence-family)

## FLORENCE-1R

Compatibility: Mid-power LEDs up to 5630 package size

| name                | beam type                                                             | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------------|-----------------------------------------------------------------------|-----------|-----------|------------|
| FLORENCE-1R-Z60     | medium                                                                | 58 + 111  | 94        | 0.6        |
| FLORENCE-1R-Z90     | extra wide                                                            | 90 + 110  | 94        | 0.4        |
| FLORENCE-1R-ZT25    | asymmetric                                                            | asymm.    | 86        | 1.0        |
| FLORENCE-1R-ZT25    | double asymmetric                                                     | 106 + 80  | 92        | 0.5        |
| FLORENCE-1R-O       | oval                                                                  | 96 + 32   | 94        | 0.9        |
| FLORENCE-1R-MAXI-WG | asymmetric                                                            | asymm.    | 94        | 1.4        |
| FLORENCE-1R-UP      | wide area lighting                                                    | asymm.    | 90        | 0.4        |
| FLORENCE-1R-UP-D    | wide area lighting                                                    | asymm.    | 90        | 0.3        |
| FLORENCE-1R-CLIP-A  | clip for installation with 40 mm wide boards                          |           |           |            |
| FLORENCE-1R-CLIP-B  | clip for installation on a profile                                    |           |           |            |
| FLORENCE-1R-CLIP-C  | clip for fastening of FLORENCE-1R optics and 24 mm wide Zhaga modules |           |           |            |

## FLORENCE-1R-GC

Compatibility: Mid-power LEDs up to 5630 package size

| name                | beam type   | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------------|-------------|-----------|-----------|------------|
| FLORENCE-1R-GC-Z60  | wide        | 70        | 94        | 0.7        |
| FLORENCE-1R-GC-Z90  | rectangular | 90        | 94        | 0.5        |
| FLORENCE-1R-GC-ZT25 | asymmetric  | asymm.    | 92        | 0.8        |

## FLORENCE-3R

Compatibility: Range of 3 x 11 high-power LED modules with up to 5050 size packages

| name                | beam type                       | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------------|---------------------------------|-----------|-----------|------------|
| FLORENCE-Z30        | medium                          | 29        | 94        | 2.2        |
| FLORENCE-Z60        | wide                            | 58        | 88        | 0.8        |
| FLORENCE-Z90        | extra wide                      | 92        | 86        | 0.4        |
| FLORENCE-Z90-B      | extra wide                      | 92        | 90        | 0.4        |
| FLORENCE-O          | oval                            | 84 + 35   | 89        | 0.7        |
| FLORENCE-ZT25       | asymmetric                      | asymm.    | 94        | 0.6        |
| FLORENCE-ZT25-S     | single-sided asymmetric oval    | asymm.    | 94        | 0.6        |
| FLORENCE-3R-SHD-BLK | black shade to obtain lower UGR |           |           |            |
| FLORENCE-3R-SHD-GR  | grey shade to obtain lower UGR  |           |           |            |
| FLORENCE-3R-SHD-WHT | white shade                     |           |           |            |

## FLORENCE-3R-IP

Compatibility: Range of 3 x 11 mid-power LED modules up to 5630 size packages

| name               | beam type  | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------------|------------|-----------|-----------|------------|
| FLORENCE-3R-IP-Z60 | wide       | 60        | 86        | 0.7        |
| FLORENCE-3R-IP-Z90 | extra wide | 90        | 88        | 0.4        |
| FLORENCE-3R-IP-O   | oval       | 84 + 40   | 86        | 0.7        |

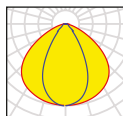
## FLORENCE2

Compatibility: All Zhaga 3R PCBs including 2ft PCBs

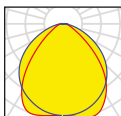
| name          | beam type  | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------|------------|-----------|-----------|------------|
| FLORENCE2-Z90 | extra wide | 85        | 94        | 0.6        |
| FLORENCE2-Z60 | wide       | 52        | 92        | 1.2        |



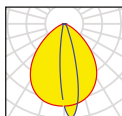
**FLORENCE-1R**



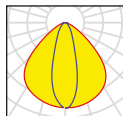
1R-Z60



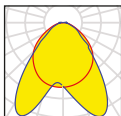
1R-Z90



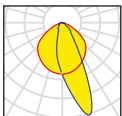
1R-MAXI-WG



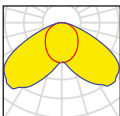
1R-O



1R-Z2T25



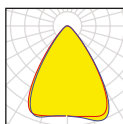
1R-ZT25



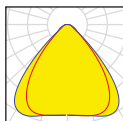
1R-UP



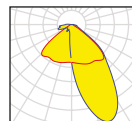
**FLORENCE-1R-GC**



1R-GC-Z60



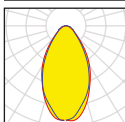
1R-GC-Z90



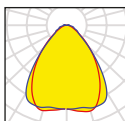
1R-GC-ZT25



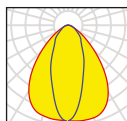
**FLORENCE-3R-IP**



3R-IP-Z60



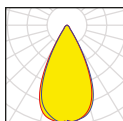
3R-IP-Z90



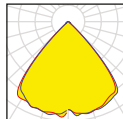
3R-IP-O



**FLORENCE2**



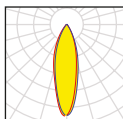
-Z60



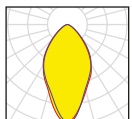
-Z90



**FLORENCE-3R**



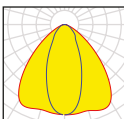
Z30



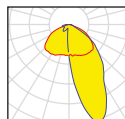
Z60



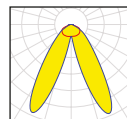
Z90



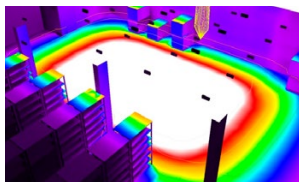
O



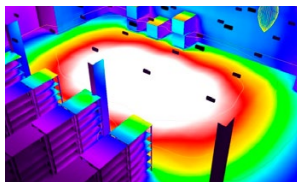
ZT25-S



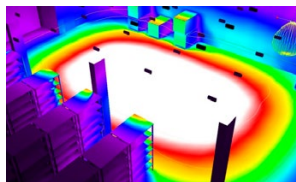
ZT25



(3R) Z30 ~7 meters



(3R) Z60 ~5 meters



(3R) Z90 ~3.5 meters



LINDA-24



LINDA-40

**COMING**

## LINDA

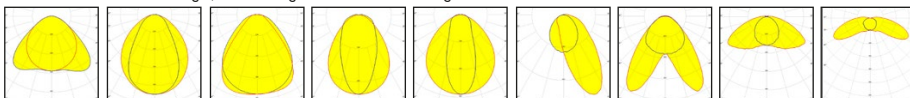
[www.ledil.com/linda](http://www.ledil.com/linda)

### LINDA-24

Compatibility: Single row mid-power up to 24 mm wide Zhaga PCBs

| name       | beam type          | h    | d *       | typ. FWHM | typ. eff. | typ. cd/lm |
|------------|--------------------|------|-----------|-----------|-----------|------------|
| LINDA-WWW  | extra wide         | 6.3  | 26 x 1140 | 110 + 100 | 90        | 0.3        |
| LINDA-WW   | wide               | 5.3  | 26 x 1140 | 65 + 100  | 90        | 0.4        |
| LINDA-WW2  | wide               | 5.3  | 26 x 1140 | 97 + 87   | 89        | 0.4        |
| LINDA-W60  | wide               | 6.3  | 26 x 1140 | 60 + 90   | 88        | 0.4        |
| LINDA-O    | oval               | 4.9  | 26 x 1140 | 40 + 100  | 88        | 0.5        |
| LINDA-ZT25 | asymmetric         | 6.5  | 26 x 1140 | asymm.    | 89        | 0.5        |
| LINDA-ZT25 | double asymmetric  | 5.3  | 26 x 1140 | asymm.    | 89        | 0.4        |
| LINDA-UP   | wide-area lighting | 7.8  | 26 x 1140 | 105 + 145 | 88        | 0.2        |
| LINDA-UP2  | wide-area lighting | 11.4 | 26 x 1140 | 165 + 130 | 88        | 0.3        |

\* North American 48 inch length, 3.01 m length and other custom lengths available



WWW

WW

WW2

W60

O

ZT25

ZT25

UP

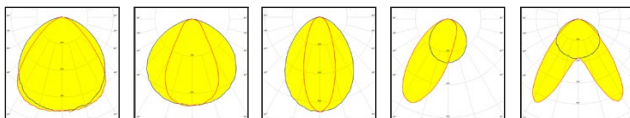
UP2

### LINDA-40

**COMING**

Compatibility: Single row mid-power up to 24 mm wide Zhaga PCBs

| name          | beam type         | h | d         | typ. FWHM | typ. eff. |
|---------------|-------------------|---|-----------|-----------|-----------|
| LINDA-40-WW   | wide              | 9 | 40 x 1140 | 90        | 88        |
| LINDA-40-W    | wide              | 9 | 40 x 1140 | 60        | 84        |
| LINDA-40-O    | oval              | 9 | 40 x 1140 | 86 + 40   | 87        |
| LINDA-40-ZT25 | asymmetric        | 9 | 40 x 1140 | asymm.    | 83        |
| LINDA-40-ZT25 | double asymmetric | 9 | 40 x 1140 | asymm.    | 84        |



WW

W

O

ZT25

ZT25



CLAUDIA

**NEW**

*VIOLET is the first standard silicone optic in the world designed specifically for UV-C applications.*



VIOLET



VANESSA-B-O



DAHLIA-TL110

## CLAUDIA

[www.ledil.com/claudia](http://www.ledil.com/claudia)

Compatibility: Optimized for 2835 and compatible with up to 5630 size mid-power LED packages

| name          | h    | d            | typ. FWHM | typ. eff. |
|---------------|------|--------------|-----------|-----------|
| CLAUDIA-60    | 9.6  | 279.3 x 29.3 | 60        | 94        |
| CLAUDIA-90    | 8.1  | 279.3 x 29.3 | 81        | 94        |
| CLAUDIA-Z2T25 | 13.6 | 279.3 x 29.3 | asymm.    | 91        |

## VIOLET

[www.ledil.com/violet](http://www.ledil.com/violet)

**NEW**



Compatibility: UV LEDs from Seoul Viosys, Nichia, etc.

| name           | h   | d        | typ. FWHM | typ. cd /lm |
|----------------|-----|----------|-----------|-------------|
| VIOLET-12X1-RS | 8.8 | 295 x 42 | 14        | 8.6         |
| VIOLET-12X1-S  | 8.8 | 295 x 42 | 20        | 1.4         |
| VIOLET-12X1-W  | 8.8 | 295 x 42 | 60        | 0.8         |

## DAHLIA

[www.ledil.com/dahlia](http://www.ledil.com/dahlia)

Compatibility: Typical horticultural 3535 HP LEDs

| name         | h  | d        | typ. FWHM | typ. eff. |
|--------------|----|----------|-----------|-----------|
| DAHLIA-TL110 | 11 | 321 x 79 | 120       | 94        |

## VANESSA

[www.ledil.com/vanessafamily](http://www.ledil.com/vanessafamily)

Compatibility: Up to 3535 size LED packages

| name        | beam type | LEDs | h | d        | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------|-----------|------|---|----------|-----------|-----------|------------|
| VANESSA-S   | spot      | 12   | 8 | 295 x 16 | 17        | 90        | 7.1        |
| VANESSA-M   | medium    | 12   | 8 | 295 x 16 | 26        | 89        | TBA        |
| VANESSA-O   | oval      | 12   | 8 | 295 x 16 | 42 + 19   | 82        | 2.1        |
| VANESSA-B-S | spot      | 12   | 8 | 295 x 16 | 22        | 93        | 4.1        |
| VANESSA-B-W | wide      | 12   | 8 | 295 x 16 | 37        | 92        | 1.7        |
| VANESSA-B-O | oval      | 12   | 8 | 295 x 16 | 45 + 21   | 88        | 1.8        |

## DAISY

[www.ledil.com/daisy](http://www.ledil.com/daisy)

TESTED FOR  
TUNABLE  
WHITE

Compatibility:

- Optimized for 2835 and compatible with up to 5630 size mid-power LED packages
- Recommended to be used with two LEDs per one optic which can be up to 5630 in size
- Can be used with single domeless 5050 size LED packages
- Compatible with up to 4 ft long PCBs

Colours: black and white (gloss or matt),  
also available with metallized shade

Lenses: clear or diffused

### DAISY-28X1

| name          | h    | d         | typ. FWHM | typ. eff. |
|---------------|------|-----------|-----------|-----------|
| DAISY-28X1-W  | 20.2 | 1140 x 40 | 50        | 95        |
| DAISY-28X1-WW | 20.2 | 1140 x 40 | 90        | 95        |
| DAISY-28X1-W2 | 20.2 | 1140 x 40 | 65        | 89        |

### DAISY-8X1

| name         | h     | d            | typ. FWHM | typ. eff. |
|--------------|-------|--------------|-----------|-----------|
| DAISY-8X1-M  | 20.3  | 305 x 38     | 27        | 86        |
| DAISY-8X1-W  | 0.8in | 12in x 1.5in | 50        | 89        |
| DAISY-8X1-WW | 0.8in | 12in x 1.5in | 90        | 83        |

### DAISY-7X1

| name           | h    | d        | typ. FWHM | typ. eff. |
|----------------|------|----------|-----------|-----------|
| DAISY-7X1-O    | 20.3 | 280 x 40 | 25        | 80        |
| DAISY-7X1-W    | 20.3 | 280 x 40 | 56        | 90        |
| DAISY-7X1-WW   | 20.3 | 280 x 40 | 77        | 88        |
| DAISY-7X1-W2   | 20.3 | 280 x 40 | 64        | 89        |
| DAISY-7X1-ZT25 | 20.3 | 280 x 40 | TBA       | TBA       |

### DAISY-4X1

| name         | h    | d        | typ. FWHM | typ. eff. |
|--------------|------|----------|-----------|-----------|
| DAISY-4X1-W  | 20.2 | 182 x 40 | 50        | 95        |
| DAISY-4X1-WW | 20.2 | 182 x 40 | 90        | 95        |

### DAISY-2X2

| name         | h  | d       | typ. FWHM | typ. eff. |
|--------------|----|---------|-----------|-----------|
| DAISY-2X2-W  | 21 | 80 x 80 | 55        | 90        |
| DAISY-2X2-WW | 21 | 80 x 80 | 77        | 88        |

### DAISY-MINI

| name          | h    | d          | typ. FWHM | typ. eff. |
|---------------|------|------------|-----------|-----------|
| DAISY-MINI-M  | 13.3 | 279.5 x 21 | 33        | 82        |
| DAISY-MINI-W  | 13.3 | 279.5 x 21 | 53        | 86        |
| DAISY-MINI-WW | 13.3 | 279.5 x 21 | 66        | 84        |

## LILIAN

[www.ledil.com/lilian](http://www.ledil.com/lilian)

Compatibility: Optimized for up to 20 mm wide high-power and CSP PCBs and for 1.0 mm thick profiles

| name      | h    | d        | typ. FWHM | typ. eff. |
|-----------|------|----------|-----------|-----------|
| LILIAN-ON | 14.8 | 286 x 27 | 10 + 60   | 92        |

## SHELLY

[www.ledil.com/shelly](http://www.ledil.com/shelly)

Compatibility: Up to 3535 size LED packages

| name             | h   | d            | typ. FWHM | typ. eff. |
|------------------|-----|--------------|-----------|-----------|
| SHELLY-T-6X1-N   | 7   | 119.8 x 19.6 | asymm.    | 94        |
| SHELLY-T-6X1-WAS | 7.6 | 119.8 x 19.6 | asymm.    | 94        |



DAISY



DAISY-MINI



LILIAN



SHELLY-T-6X1-WAS

## LINNEA

The regular LINNEA and its clips are designed to be fastened on 1.0 mm thick and LINNEA-B for 0.5 mm thick installation surfaces

Compatibility: Optimized for the most common Zhaga mid-power 20 and 24 mm wide PCBs

| name          | h    | d        | typ. FWHM | typ. eff. |
|---------------|------|----------|-----------|-----------|
| LINNEA-60 *   | 12   | 285 x 40 | 60        | 85        |
| LINNEA-90 *   | 9.5  | 285 x 40 | 90        | 85        |
| LINNEA-O *    | 12   | 285 x 40 | 35 + 70   | 81        |
| LINNEA-ZT25 * | 10.3 | 285 x 40 | asymm.    | 87        |
| LINNEA-ZT25 * | 9.5  | 285 x 40 | asymm.    | 80        |
| LINNEA-UP     | 10.3 | 285 x 40 | asymm.    | 79        |

\* B-version available \*\* Optical variant

## LINNEA-GC

Compatibility: Optimized for up to 24 mm wide mid-power PCBs and 1.0 mm thick profiles. Compatible with same luminaires as basic LINNEA but requires a new PCB.

| name         | h    | d        | typ. FWHM | typ. eff. |
|--------------|------|----------|-----------|-----------|
| LINNEA-GC-90 | 9.5  | 285 x 40 | 90        | 85        |
| LINNEA-GC-60 | 12.2 | 285 x 40 | 60        | 93        |
| LINNEA-GC-O  | 12.8 | 285 x 40 | 73 + 43   | 91        |

## LINNEA-GC2

NEW

LINNEA-GC2 delivers low UGR for high visual comfort applications with its uniformly lit, microprismatic lens surface.

Compatibility: Optimized for up to 24 mm wide mid-power PCBs and 1.0 mm thick profiles.

| name            | h    | d        | typ. FWHM | typ. eff. |
|-----------------|------|----------|-----------|-----------|
| LINNEA-GC2-110  | 15.2 | 284 x 43 | 110       | 88        |
| LINNEA-GC2-90   | 15.2 | 284 x 43 | 90        | 88        |
| LINNEA-GC2-60   | 15.2 | 284 x 43 | 60        | 93        |
| LINNEA-GC2-30   | 15.2 | 284 x 43 | 30        | 92        |
| LINNEA-GC2-O    | 15.2 | 284 x 43 | 30 + 60   | 93        |
| LINNEA-GC2-ZT25 | 15.2 | 284 x 43 | asymm.    | 86        |
| LINNEA-GC2-ZT25 | 15.2 | 284 x 43 | asymm.    | 86        |
| LINNEA-GC2-WG   | 15.2 | 284 x 43 | asymm.    | 90        |

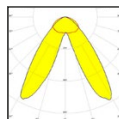
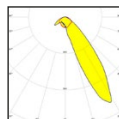
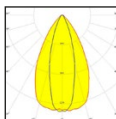


110

90

60

30



O

ZT25

ZT25

## LINNEA-2R

Compatibility: Optimized for Signify Fortimo Edge 2-row board

| name        | h   | d        | typ. FWHM | typ. eff. |
|-------------|-----|----------|-----------|-----------|
| LINNEA-2R-O | 8.6 | 567 x 40 | 90 + 30   | 94        |



LINNEA



LINNEA-GC



LINNEA-GC2



LINNEA-2R



ALISE



ELISE

**ALISE-50, -70, -110**
[www.ledil.com/alise](http://www.ledil.com/alise)


Ø50/70/110 mm aluminum reflector family for down- and track lights

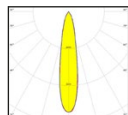
Compatibility:

Optimized:

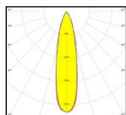
- Ø50 mm: LES 10 mm
- Ø70 mm: LES 14.5 mm
- Ø110 mm: LES 22 mm

Optimized for Zhaga connectors e.g. Lumawise LED holders Z35, Z45, Z50

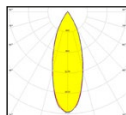
| name               | beam       | h            | d             | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------------|------------|--------------|---------------|-----------|-----------|------------|
| ALISE-50/70/110-S  | spot       | 25 / 42 / 65 | 50 / 70 / 110 | 15        | 92        | 5.3        |
| ALISE-50/70/110-M  | medium     | 25 / 42 / 65 | 50 / 70 / 110 | 24        | 92        | 4.1        |
| ALISE-50/70/110-W  | wide       | 25 / 42 / 65 | 50 / 70 / 110 | 36        | 92        | 2.3        |
| ALISE-50/70/110-WW | extra wide | 25 / 42 / 65 | 50 / 70 / 110 | 60        | 91        | 1.0        |



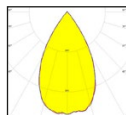
S



M



W



WW

**ELISE-50, -70, -110**
[www.ledil.com/elise](http://www.ledil.com/elise)

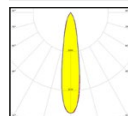
Compatibility

Optimized:

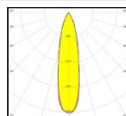
- Ø50 mm: LES 10 mm
- Ø70 mm: LES 14.5 mm
- Ø110 mm: LES 22 mm

Optimized for Lumawise LED holders Z35L, Z45L, Z50L

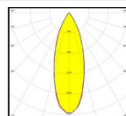
| name               | beam       | h            | d             | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------------|------------|--------------|---------------|-----------|-----------|------------|
| ELISE-50/70/110-S  | spot       | 25 / 42 / 65 | 50 / 70 / 110 | 15        | 90        | 4.1        |
| ELISE-50/70/110-M  | medium     | 25 / 42 / 65 | 50 / 70 / 110 | 24        | 90        | 3.2        |
| ELISE-50/70/110-W  | wide       | 25 / 42 / 65 | 50 / 70 / 110 | 36        | 90        | 2.0        |
| ELISE-50/70/110-WW | extra wide | 25 / 42 / 65 | 50 / 70 / 110 | 60        | 90        | 0.9        |



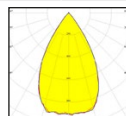
S



M



W



WW

**Additional accessories compatible with ALISE and ELISE**

|                |                  |
|----------------|------------------|
| ALISE-50-RING  | mounting ring    |
| ALISE-70-RING  | mounting ring    |
| ALISE-110-RING | mounting ring    |
| ALISE-110-CL   | clear sublens    |
| ALISE-110-DL   | diffused sublens |





ELLA

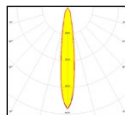
**ELLA**[www.ledil.com/ella](http://www.ledil.com/ella)

Compatibility: Optimized for 4-8 mm LES size COBs

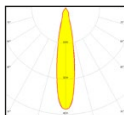
When used with OLGA holder compatible with up to 7070 size LED packages

| name       | d        | h          | typ. FWHM | typ. eff. | typ.cd/lm |
|------------|----------|------------|-----------|-----------|-----------|
| ELLA-30-S  | 30 / 32* | 17.2 / 20* | 15°       | 91        | 8.5       |
| ELLA-30-M  | 30 / 32* | 17.2 / 20* | 28°       | 90        | 4.5       |
| ELLA-30-W  | 30 / 32* | 17.2 / 20* | 38°       | 88        | 2.4       |
| ELLA-30-WW | 30 / 32* | 17.2 / 20* | 55°       | 90        | 1.3       |

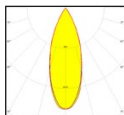
\* with holder



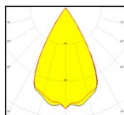
ELLA-30-S



ELLA-30-M



ELLA-30-W



ELLA-30-WW

## LEDiL SYSTEM REFLECTORS

*One luminaire to qualify them all. Change only the reflector to use same fixture for multiple purposes. Wide LED and fastening compatibility with additional sockets for twist and lock or press fit installations. Enhance with the LEDiL's patented RZ-technology for smoother uniform light patterns.*



## BROOKE-G2

[www.ledil.com/brooke-g2](http://www.ledil.com/brooke-g2)
**NN**  
KONNTAKT

Compatible with LEDiL HEKLA baseparts (page 43)

Compatibility: COBs with LES size up to 19 mm

| name        | h    | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------|------|----|-----------|-----------|------------|
| BROOKE-G2-S | 19.7 | 45 | 18        | 92        | 4.3        |
| BROOKE-G2-M | 19.7 | 45 | 28        | 92        | 2.0        |
| BROOKE-G2-W | 19.7 | 45 | 47        | 92        | 1.0        |

## additional accessories

BARBARA-RZ-LENS color mixing sublens

LEDiL HEKLA (Check compatibility on page 43 or ledil.com)

## TESTED FOR

**TUNABLE** Additional BARBARA-RZ-LENS  
colour mixing sublens needed  
for tunable white lighting

## WHITE



Ø50 mm LEDiL System Reflectors compatible with various accessories, sockets and solderless connectors

**MIRELLA-G2**

Compatible with LEDiL HEKLA baseparts (page 43)

Compatibility: COBs with LES size up to 14 mm

**NN**  
KONNTAKT

| name          | h    | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------|------|------|-----------|-----------|------------|
| MIRELLA-G2-S  | 24.8 | 49.9 | 15        | 90        | 6.6        |
| MIRELLA-G2-M  | 24.8 | 49.9 | 20        | 90        | 3.4        |
| MIRELLA-G2-W  | 24.8 | 49.9 | 31        | 91        | 1.9        |
| MIRELLA-G2-WW | 24.8 | 49.9 | 50        | 85        | 1.3        |

**additional accessories**

|                                                               |                    |
|---------------------------------------------------------------|--------------------|
| MIRELLA-CL                                                    | clear lens         |
| MIRELLA-DL                                                    | diffused lens      |
| MIRELLA-RZL                                                   | colour mixing lens |
| LEDiL HEKLA (Check compatibility on page 43 or www.ledil.com) |                    |

**TESTED FOR****TUNABLE WHITE**

Additional MIRELLA-RZL colour mixing lens needed for tunable white lighting

**MIRELLA-PF**

Press-fit fastening with LEDiL sockets

Compatibility:

- COBs with LES size up to 14 mm
- 3rd party connectors from Bender+Wirth and Ideal
- LEDiL baseparts with PF-interface (page 42)

| name             | h  | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|------------------|----|------|-----------|-----------|------------|
| MIRELLA-50-S-PF  | 24 | 49.9 | 17        | 88        | 5.4        |
| MIRELLA-50-M-PF  | 24 | 49.9 | 32        | 88        | 1.9        |
| MIRELLA-50-W-PF  | 24 | 49.9 | 43        | 87        | 1.3        |
| MIRELLA-50-XW-PF | 24 | 49.9 | 78        | 92        | 0.6        |

**additional accessories**

|             |                   |
|-------------|-------------------|
| MIRELLA-CL  | clear lens        |
| MIRELLA-DL  | diffused lens     |
| MIRELLA-RZL | color mixing lens |



MIRELLA-G2



MIRELLA-PF

**BARBARA**[www.ledil.com/barbara](http://www.ledil.com/barbara)

Ø70 mm LEDiL System Reflectors compatible with various accessories, sockets and solderless connectors.

**BARBARA-G2**

Compatible with LEDiL HEKLA baseparts (page 43)

Compatibility: COBs with LES size up to 18 mm

**NN**

KONNTAKT

| name          | h    | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------|------|----|-----------|-----------|------------|
| BARBARA-G2-S  | 41.9 | 70 | 13        | 91        | 9.8        |
| BARBARA-G2-M  | 41.9 | 70 | 25        | 92        | 3.6        |
| BARBARA-G2-W  | 41.9 | 70 | 40        | 90        | 1.7        |
| BARBARA-G2-WW | 41.9 | 70 | 60        | 92        | 1.1        |

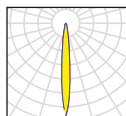
**additional accessories**

BARBARA-RZ-LENS color mixing sublens

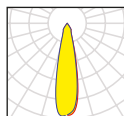
LEDiL HEKLA (Check compatibility on page 43 or [www.ledil.com](http://www.ledil.com))

**TESTED FOR****TUNABLE  
WHITE**

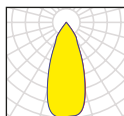
Additional BARBARA-RZ-LENS colour mixing sublens needed for tunable white lighting



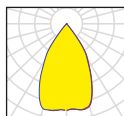
G2-S



G2-M



G2-W



G2-WW

**BARBARA-PF**

Press-fit fastening for LEDiL sockets

Compatibility:

- COBs with LES size up to 19 mm
- 3rd party connectors from Bender+Wirth
- LEDiL baseparts with PF-interface (page 42)

| name          | h    | d  | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------|------|----|-----------|-----------|------------|
| BARBARA-S-PF  | 41.7 | 70 | 21        | 88        | 3.6        |
| BARBARA-W-PF  | 41.7 | 70 | 28        | 85        | 2.5        |
| BARBARA-WW-PF | 41.7 | 70 | 64        | 84        | 1.2        |
| BARBARA-XW-PF | 41.7 | 70 | 74        | 90        | 0.7        |

**additional accessories**

see [www.ledil.com](http://www.ledil.com)



BARBARA-G2



BARBARA-PF

# LENA / LENINA

Ø111 mm and Ø74 mm LEDil System Reflectors compatible with various sublenses and sockets.

## LENA

[www.ledil.com/lenafamily](http://www.ledil.com/lenafamily)

### Compatibility:

- COBs with LES size up to 35 mm
- 3rd party connectors from Ideal, Stucchi and Bender+Wirth
- LENA/LENINA baseparts (page 42)

| name     | beam type | d   | h  | typ. FWHM | typ. eff. | typ. cd/lm |
|----------|-----------|-----|----|-----------|-----------|------------|
| LENA-S   | S         | 111 | 86 | 11        | 85        | 7.6        |
| LENA-SS  | SS        | 111 | 86 | 18        | 82        | 5.0        |
| LENA-M   | M         | 111 | 86 | 22        | 83        | 2.5        |
| LENA-W   | W         | 111 | 86 | 46        | 82        | 1.3        |
| LENA-WAS | WAS       | 111 | 37 | asymm.    | 82        | 1.1        |

### additional accessories

|                 |               |
|-----------------|---------------|
| LENA-LENS       | diffuser lens |
| LENA-CLEAR-LENS | clear lens    |

## LENINA

[www.ledil.com/leninafamily](http://www.ledil.com/leninafamily)

### Compatibility:

- COBs with LES size up to 35 mm
- 3rd party connectors from Ideal, Stucchi and Bender+Wirth
- Available with lacquer or HMDS aluminium coating
- Easy twist and lock latching mechanism
- LENA/LENINA baseparts (page 42)

| name          | beam type    | d  | h  | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------|--------------|----|----|-----------|-----------|------------|
| LENINA-S      | S            | 74 | 46 | 19        | 88        | 4.5        |
| LENINA-M      | M            | 74 | 46 | 31        | 87        | 2.1        |
| LENINA-W      | W            | 74 | 46 | 53        | 87        | 1.1        |
| LENINA-XW     | XW           | 74 | 46 | 73        | 89        | 0.6        |
| LENINA-S-HMDS | <b>NEW</b> S | 74 | 40 | 22        | 93        | 3.7        |
| LENINA-M-HMDS | <b>NEW</b> M | 74 | 40 | 37        | 93        | 1.9        |
| LENINA-W-HMDS | <b>NEW</b> W | 74 | 40 | 65        | 91        | 0.9        |

### additional accessories

|           |               |
|-----------|---------------|
| LENINA-DL | diffuser lens |
| LENINA-CL | clear lens    |



## ANGELA / ANGELINA / ANGELETTE

Ø120 mm, Ø82 mm and Ø110 mm reflector families part of the LEDiL's System Reflectors.  
ANGELA/ANGELINA/ANGELETTE-B versions available with BJB compatible interface.

**TESTED FOR** Additional ANGE-RZ colour  
**TUNABLE** mixing sublens needed for  
**WHITE** tunable white lighting

**ANGELA**
[www.ledil.com/angela-family](http://www.ledil.com/angela-family)

Compatibility:

- COBs with LES size up to 32 mm
- LEDiL baseparts with A-interface (page 42)
- 3rd party baseparts compatible with B-interface (page 42)

| name      | beam type | d     | h     | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------|-----------|-------|-------|-----------|-----------|------------|
| ANGELA-S  | spot      | 119.5 | 74.27 | 10        | 89        | 3.2        |
| ANGELA-M  | medium    | 119.5 | 74.27 | 32        | 89        | 2.5        |
| ANGELA-W  | wide      | 119.5 | 74.27 | 46        | 89        | 1.4        |
| ANGELA-XW | wide      | 119.5 | 74.27 | 72        | 93        | 0.6        |

**additional accessories**

ANGE-RZ color mixing sublens

**ANGELINA**
[www.ledil.com/angelina-family](http://www.ledil.com/angelina-family)

Compatibility:

- COBs with LES size up to 32 mm
- LEDiL baseparts with A-interface (page 42)
- 3rd party baseparts compatible with B-interface (page 42)

| name        | beam type  | d  | h  | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------|------------|----|----|-----------|-----------|------------|
| ANGELINA-S  | spot       | 82 | 31 | 20        | 90        | 1.2        |
| ANGELINA-M  | medium     | 82 | 31 | 32        | 92        | 1.6        |
| ANGELINA-W  | wide       | 82 | 31 | 47        | 92        | 1.1        |
| ANGELINA-XW | extra wide | 82 | 31 | 91        | 93        | 0.5        |

**additional accessories**

ANGE-RZ color mixing sublens

**ANGELETTE**
[www.ledil.com/angelette-family](http://www.ledil.com/angelette-family)

Compatibility:

- COBs with LES size up to 32 mm
- LEDiL baseparts with A-interface (page 42)
- 3rd party baseparts compatible with B-interface (page 42)

| name          | beam type  | d           | h    | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------|------------|-------------|------|-----------|-----------|------------|
| ANGELETTE-S   | spot       | 110         | 57.3 | 10        | 90        | 5.3        |
| ANGELETTE-M2  | medium     | 110         | 57.3 | 35        | 88        | 1.4        |
| ANGELETTE-M   | medium     | 110         | 57.3 | 50        | 89        | 1.2        |
| ANGELETTE-WW  | extra wide | 110         | 57.3 | 70        | 90        | 0.8        |
| ANGELETTE-WAS | asymmetric | 97.2 x 83.4 | 84   | asymm.    | 92        | 1.4        |

**additional accessories**

ANGE-RZ color mixing sublens

ANGELETTE-LENS clear lens for symmetrical ANGELETTE reflectors

ANGELETTE-DL diffusing lens for symmetrical ANGELETTE reflectors

| name               | beam type  | d   | h    | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------------|------------|-----|------|-----------|-----------|------------|
| ANGELETTE-S-PLAIN  | spot       | 110 | 57.3 | 10        | 89        | 8.1        |
| ANGELETTE-M-PLAIN  | medium     | 110 | 57.3 | 50        | 89        | 1.2        |
| ANGELETTE-WW-PLAIN | extra wide | 110 | 57.3 | 63        | 89        | 1.1        |

**additional accessories**

ANGE-RZ color mixing sublens



ANGELA / ANGELINA



ANGELETTE-PLAIN



## MINNIE

[www.ledil.com/minnie](http://www.ledil.com/minnie)

Available with or without holder. Diameter 35 mm (32.4 mm without holder), typical height  $\approx 15$  mm.

Compatibility: Up to 7070 size LED packages

| name          | beam type   | h  | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------|-------------|----|-----------|-----------|------------|
| MINNIE-M      | medium      | 15 | 24        | 90        | 2.6        |
| MINNIE-W      | wide        | 15 | 33        | 89        | 2.0        |
| MINNIE-WWW    | extra wide  | 15 | 69        | 91        | 0.9        |
| MINNIE-XW     | extra2 wide | 15 | 90        | 92        | 0.5        |
| MINNIE-LT-M   | medium      | 15 | 21        | 92        | 2.0        |
| MINNIE-LT-W   | wide        | 15 | 29        | 92        | 2.0        |
| MINNIE-LT-WWW | extra wide  | 15 | 62        | 93        | 0.87       |



## BOOM

[www.ledil.com/boom](http://www.ledil.com/boom)

Compatibility: Up to 7070 size LED packages

| name    | h  | d    | typ. FWHM | typ. cd/lm |
|---------|----|------|-----------|------------|
| BOOM-S  | 14 | 22.2 | 18        | 3.6        |
| BOOM-M  | 14 | 22.2 | 32        | 1.9        |
| BOOM-W  | 14 | 22.2 | 55        | 1.1        |
| BOOM-XW | 14 | 22.2 | 70        | 0.67       |



## BRIDGET

[www.ledil.com/bridget](http://www.ledil.com/bridget)

Compatibility: Up to 7070 size LED packages and COB's with LES size up to 10 mm

| name          | h    | d    | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------|------|------|-----------|-----------|------------|
| BRIDGET-S-UNI | 12.8 | 22.6 | 44        | 85        | 1.0        |
| BRIDGET-M-UNI | 12.8 | 22.6 | 52        | 84        | 1.1        |
| BRIDGET-W-UNI | 12.8 | 22.6 | 61        | 87        | 1.0        |



## RITA

[www.ledil.com/rita](http://www.ledil.com/rita)

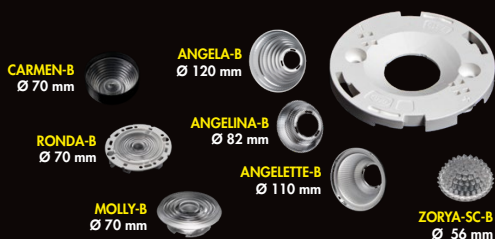
Compatibility: Up to 5050 size LED packages

| name     | beam type  | h  | d           | typ. eff. | typ. cd/lm |
|----------|------------|----|-------------|-----------|------------|
| RITA-A   | asymmetric | 17 | 36 x 28.4   | 87        | 0.6        |
| RITA-WAS | asymmetric | 17 | 31.9 x 28.4 | 85        | 0.63       |

## A-INTERFACE



## B-INTERFACE



## PF-INTERFACE



## LENA / LENINA INTERFACE



### A-INTERFACE

C13584\_CLAMP-VERO29 \*  
C16140\_CLAMP-VERO29 (improved)  
C13658\_CLAMP-VERO13-18  
C16402\_CLAMP-VEROSE-13-18 \*  
C14036\_CLAMP\_CXA25-30  
C14123\_CLAMP-CXA15-18  
C16685\_CLAMP-PRV-A  
C16791\_CLAMP-Z45-A  
C16491\_XTM-ADAPTER-50-A

### B-INTERFACE

C15743\_XTM-ADAPTER-50-B \*\*

### LENA/LENINA INTERFACE

C14547\_LENA-ADAPTER-B \*\*\*  
C13186\_LENA-STD-BASE-CXA15  
C14146\_LENA-STD-BASE-CXA18  
C13324\_LENA-STD-BASE-CXA25  
C13868\_LENA-STD-BASE-VERO13-18 \*  
C15570\_LENA-STD-BASE2-VERO13-18  
C13867\_LENA-STD-BASE-VERO29 \*  
C15083\_LENA-STD-BASE-VERO29  
C11981\_LENA-STD-BASE-COB-L110  
C12292\_LENA-STD-BASE-MEZ  
C12691\_LENA-STD-BASE-CLLO30  
C12692\_LENA-STD-BASE-CLLO40

### PF-INTERFACE

C13083\_PF-SOCKET  
C13708\_PF-SOCKET-VERO10  
C13709\_PF-SOCKET-VERO13-18 \*  
C13761\_PF-SOCKET-CXA15  
C14037\_PF-NSX-SOCKET  
C14115\_PF-SOCKET-CXA15-18  
C14636\_XTM-PF-ADAPTER

### A-INTERFACE (3<sup>RD</sup> PARTY)

TE: Z50 STD PROFILE + TE OPTIC CLIP Z50 TYPE1  
Osram Prevalde Core Z 50mm + TE OPTIC CLIP Z50 TYPE1  
Osram PrevaLED Core AC + TE OPTIC CLIP Z50 TYPE1  
Philips/Signify Fortimo SLM holder + TE OPTIC CLIP Z50 TYPE1  
IDEAL: Chip-Lok + 50-2100AN  
Bender+Wirth COB HOLDER HYBRID 630 - 3Hook

### B-INTERFACE (3<sup>RD</sup> PARTY)

BJB 47.319  
A.A.G. STUCCHI: 8000 G2  
Tridonic SLE  
Bender+Wirth COB HOLDER HYBRID 630 - Bayonet50

### LENA/LENINA INTERFACE (3<sup>RD</sup> PARTY)

IDEAL: Chip-Lok + 50-2100LN  
Bender+Wirth COB HOLDER HYBRID 630 - Lena

### PF-INTERFACE (3<sup>RD</sup> PARTY)

IDEAL 50-2100MR + Chip-Lok

\* Enables compatibility with Bender+Wirth solderless connectors

\*\* Compatible with ANGELA-B, ANGELINA-B, ANGELETTE-B, ZORYA-SC-B, BARBARA-G2, MIRELLA-G2, BROOKE-G2, CARMEN-50-C

\*\*\* Enables compatibility with BJB solderless connector 50 mm, A.A.G. STUCCHI: 8000 G2, Tridonic SLE)

## HEKLA

**BARBARA-G2**  
Ø 70 mm

**MIRELLA-G2**  
Ø 50 mm

**BROOKE-G2**  
Ø 45 mm

**CARMEN (+ HLD-C)**  
Ø 70 mm  
Ø 50 mm

**ZORYA**  
Ø 55 mm

**RONDA (+ HLD-C)**  
Ø 54 mm

**WINNIE (+ HLD-C)**  
Ø 50 mm

**AMY (+ HLD-C)**  
Ø 50 mm

**YASMEEN  
(+ HLD-C)**  
Ø 70 mm  
Ø 50 mm

**ILONA**  
Ø 50 mm  
**ILONA-ZOOM**  
Ø 52.5 mm

**NN**  
KONNTAKT

## BASEPARTS

### HEKLA connectors and sockets

Compatibility: One interface for a variety of LEDil optics and COBs

Usability: Easy to use twist and lock mechanism for optics assembly and replacement with pre-fix for COBs

Durability: Long lasting materials that can handle high temperatures without losing grip

Rated voltage: 150 V

Rated current: 3 A

| connectors            | LED package             |
|-----------------------|-------------------------|
| HEKLA-C-G2            | 13.5 x 13.5 mm          |
| HEKLA-D-G2            | 15.85 x 15.85 mm        |
| HEKLA-H-G2            | 19 x 16 mm              |
| HEKLA-I-G2            | 19 x 19 mm              |
| HEKLA-J-G2            | 13.35 x 13.35 mm        |
| sockets               | LED package             |
| HEKLA-SOCKET-A        | 12.5 x 12.5 mm          |
| HEKLA-SOCKET-B        | 17.85 x 17.85 mm        |
| HEKLA-SOCKET-C        | 13.5 x 13.5 mm          |
| HEKLA-SOCKET-D        | 15.85 x 15.85 mm        |
| HEKLA-SOCKET-E        | 15.8 x 15.8 mm          |
| HEKLA-SOCKET-F        |                         |
| HEKLA-SOCKET-G        | 15 x 12 mm              |
| HEKLA-SOCKET-H        | 19 x 16 mm              |
| HEKLA-SOCKET-I        | 19 x 19 mm              |
| HEKLA-SOCKET-J        | 13.35 x 13.35 mm        |
| HEKLA-SOCKET-K        | Bender+Wirth 4xx/Typ-L8 |
| XTM-ADAPTER-50-B & -C |                         |

Check the LED compatibility at [www.ledil.com/hekla](http://www.ledil.com/hekla)

### HEKLA 3<sup>RD</sup> PARTY CONNECTORS

Bender+Wirth COB HOLDER HYBRID 630 - Hekla

PATENTED

## MODULAR SOLUTIONS

STRADA-SQ

STRADA-2X2

STRADA-2X2CSP

STRADA-2X2-5050

STRADA-2X2-DB

SITARA

STRADA-IP-2X6

STRADA-2X2MX

STRADA-2X2MXS

STRADA-IP-8MX

STRADA-IP-16MX

STRADELLA

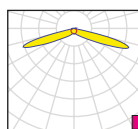
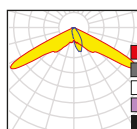
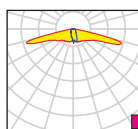
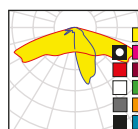
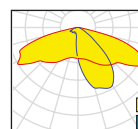
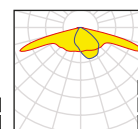
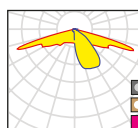
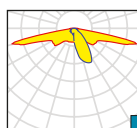
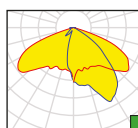
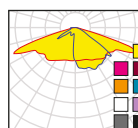
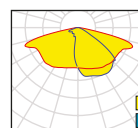
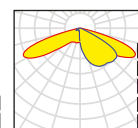
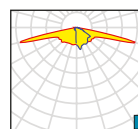
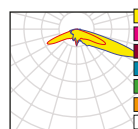
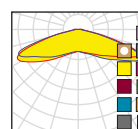
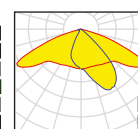
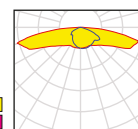
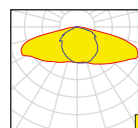
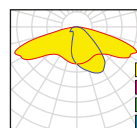
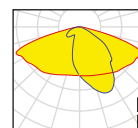
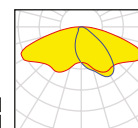
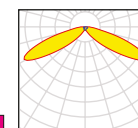
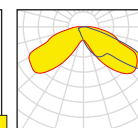
STRADELLA-8

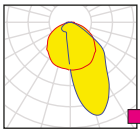
STRADELLA-8-CSP

STRADELLA-16

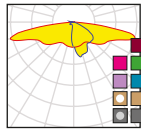
STRADELLA-IP-28

STRADELLA-IP-64

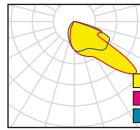
T1  
IESNA Type I (medium)T1-A  
IESNA Type I (short)T1-M  
IESNA Type I (medium)  
beam for European  
P-class standardT2  
IESNA Type II (medium)T2-B  
IESNA Type II,  
minimized house side  
backlightT2-C  
IESNA Type II, added  
house side backlightT2-M  
IESNA Type II (medium)T2-L  
IESNA Type II (long)T2-S  
IESNA Type II (short)T3  
IESNA Type III  
(medium)T3B / T3-B  
IESNA Type III  
(medium), minimized  
backlightT3-M  
IESNA Type III  
(medium)T3-L  
IESNA Type III (long)T4  
IESNA Type IVT4-B  
IESNA Type IV,  
forward throw beamVSM  
IESNA Type V (square)A-T  
Short IESNA Type IIANZ-P  
Pedestrian lighting  
in Australia &  
New ZealandANZ-V  
Vehicular road lighting  
in Australia &  
New ZealandDWC / T-DWC  
Universal road lighting  
(Typ. IESNA Type III  
Medium)DWC2  
Universal road lighting  
(Typ. IESNA Type III  
Medium)DNW  
Soft wide beam with  
good illuminance  
uniformityDW / T-DW  
Soft wide beam with  
good illuminance  
uniformityFW  
Wide light distribution,  
residential streets,  
staggered pole setup



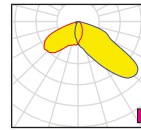
**NHS**  
narrow beam,  
minimal house side light



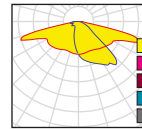
**SCL**  
Type II/III (long),  
ideal for pedestrian paths  
and residential roads



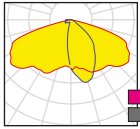
**PX**  
Double asymm.,  
pedestrian crossings,  
right side traffic



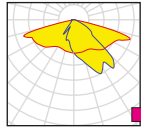
**PXL**  
Double asymm.,  
pedestrian crossings,  
left side traffic



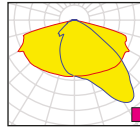
**ME**  
Excellent longitudinal  
luminance uniformity  
fulfilling EN13201  
M-class requirements



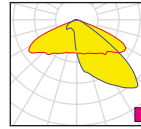
**ME-N**  
Designed for high poles,  
fulfilling EN13201  
M-class requirements



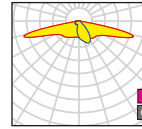
**ME-WIDE1**  
Fulfilling EN13201 M-class  
requirements, added  
house side backlight



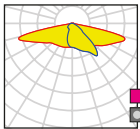
**ME-WIDE2**  
For staggered pole  
setups fulfilling EN13201  
M-class requirements



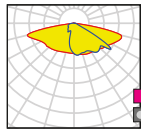
**MEW**  
Extremely low glare  
fulfilling EN13201 M-class  
requirements for wet road  
surfaces in North Europe



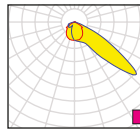
**LN1**  
For EN13201 M-class  
requirements with high  
poles or where road width  
≤ the pole height



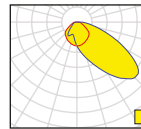
**LM1**  
For EN13201 M-class  
requirements where road  
width ≥ the pole height



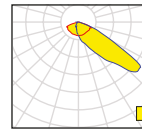
**LW1**  
For EN13201 M-class  
requirements where road  
width > the pole height



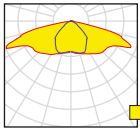
**FN**  
Narrow forward throw  
beam for area lighting



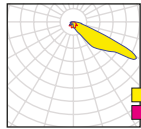
**FT**  
Forward throw beam for  
area lighting



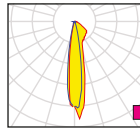
**F5**  
Forward throw beam for  
area lighting



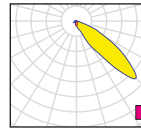
**FS2**  
For symmetrical tunnel  
lighting and parking  
garages, ideal for  
catenary street lighting



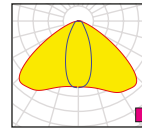
**FS3**  
Forward throw beam  
optimized for European  
tunnels, extremely efficient  
lighting with counter-beam  
method



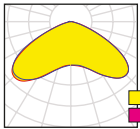
**FR**  
Asymmetric spot light  
beam for floodlighting  
railway tracks according  
to Russian normative



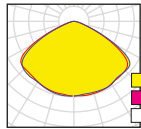
**TF**  
Narrow forward throw  
beam optimized for  
European tunnels



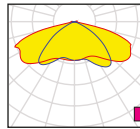
**B2**  
For area lighting and  
applications demanding  
a wide oval beam pattern



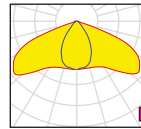
**C**  
For area and street  
lighting such as parks  
and pedestrian walkways



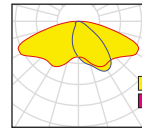
**CY**  
For canopy lighting with  
batwing light distribution,  
suitable for symmetrical  
tunnel lighting



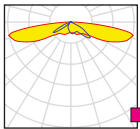
**CAT**  
Catenary street light  
beam optimized for  
EN13201 M-classes



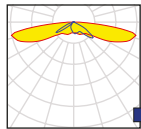
**CAT-B**  
Narrow catenary street  
light beam optimized for  
EN13201 M-classes and  
tilted poles



**DN / T-DN**  
For area lighting with  
shorter illumination  
distances



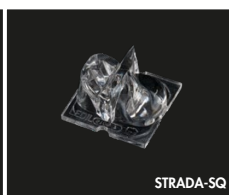
**XW**  
Wide beam



**DB**  
For floodlighting the  
area between the  
railway tracks according  
to DB requirements.



STRADA



STRADA-SQ



STRADA-2X2



STRADA-2X2CSP

**STRADA**[www.ledil.com/strada](http://www.ledil.com/strada)**STRADA single lenses****PATENTED**

Compatibility: Up to 3535 sized LED packages

| name                           | dimensions  | height | typ. eff. | typ. FWHM |
|--------------------------------|-------------|--------|-----------|-----------|
| STRADA-A                       | 19.6 x 15.5 | 10.8   | 92        | 80 x 146  |
| STRADA-A2                      | 19.6 x 15.5 | 10.6   | 92        | 72 x 141  |
| STRADA-B                       | 19.6 x 15.5 | 6      | 93        | 105 x 44  |
| STRADA-B2                      | 19.6 x 15.5 | 5.3    | 92        | 111 x 47  |
| STRADA-C                       | 19.6 x 15.5 | 5.3    | 92        | 125       |
| STRADA-C2 (NP & CLIP versions) | 19.6 x 15.5 | 6.4    | 92        | 120       |
| STRADA-DW                      | 19.6 x 15.5 | 9.6    | 92        | 89 x 142  |
| STRADA-T-DW                    | 19.6 x 15.5 | 10.8   | 93        |           |
| STRADA-T-DW-EP                 | 19.6 x 15.5 | 10.7   | 92        |           |
| STRADA-DN                      | 19.6 x 15.5 | 5.9    | 92        | 107 x 58  |
| STRADA-T-DN                    | 19.6 x 15.5 | 8.9    | 92        |           |
| STRADA-T-DN-EP                 | 19.6 x 15.5 | 8.8    | 91        |           |
| STRADA-FT                      | 19.6 x 15.5 | 8.3    | 91        |           |
| STRADA-FW                      | 19.6 x 15.5 | 10.9   | 92        |           |
| STRADA-K                       | 19.6 x 15.5 | 8.7    | 96        |           |
| STRADA-S                       | 19.6 x 15.5 | 6.9    | 93        | 149 x 159 |
| STRADA-S-14                    | 19.6 x 15.5 | 6.9    | 93        | 149 x 159 |
| STRADA-ME                      | 19.6 x 15.5 | 5.7    | 92        |           |

**STRADA-SQ****PATENTED**

Compatibility: Up to 7070 sized LED packages

| name                        | dimensions | height | typ. eff. | typ. FWHM |
|-----------------------------|------------|--------|-----------|-----------|
| STRADA-SQ-ANZ-P             | 25 x 25    | 8.12   | 91        | asymm.    |
| STRADA-SQ-ANZ-V             | 25 x 25    | 8.1    | 93        | asymm.    |
| STRADA-SQ-CY                | 25 x 25    | 10.1   | 94        | 120 + 115 |
| STRADA-SQ-T2                | 25 x 25    | 8.5    | 90        | asymm.    |
| STRADA-SQ-T2-B              | 25 x 25    | 10.35  | 92        | asymm.    |
| STRADA-SQ-T3                | 25 x 25    | 8.5    | 90        | asymm.    |
| STRADA-SQ-T3B               | 25 x 25    | 8.4    | 93        | asymm.    |
| STRADA-SQ-T4 (+ NP version) | 25 x 25    | 9.4    | 93        | asymm.    |
| STRADA-SQ-T4-B              | 25 x 25    | 11.85  | 90        | asymm.    |
| STRADA-SQ-ME (+ NP version) | 25 x 25    | 8.8    | 92        | asymm.    |
| STRADA-SQ-FS (+ NP version) | 25 x 25    | 12.3   | 93        | asymm.    |
| STRADA-SQ-FS2               | 25 x 25    | 8.2    | 90        | asymm.    |
| STRADA-SQ-FS3               | 25 x 25    | 16.2   | 91        | asymm.    |
| STRADA-SQ-A-T               | 25 x 25    | 9.1    | 93        | asymm.    |
| STRADA-SQ-T-DN              | 25 x 25    | 8.5    | 90        | asymm.    |
| STRADA-SQ-T-DW              | 25 x 25    | 11.4   | 91        | asymm.    |
| STRADA-SQ-T-DW-90           | 25 x 25    | 11.4   | 91        | asymm.    |
| STRADA-SQ-T-DWC             | 25 x 25    | 9.1    | 93        | asymm.    |
| STRADA-SQ-VSM               | 25 x 25    | 6.9    | 93        | 152       |
| STRADA-SQ-FT                | 25 x 25    | 12.5   | 90        | asymm.    |
| STRADA-SQ-PX                | 25 x 25    | 9.2    | 93        | asymm.    |
| STRADA-SQ-FW                | 25 x 25    | 15.3   | 90        | asymm.    |



**STRADA-2X2 modules****PATENTED**

Compatibility: Up to 5050 sized LED packages

STRADA-2X2 glare reducing shade available in black and white. Check compatibility.

| name                 | dimensions         | height | typ. eff. | typ. FWHM |
|----------------------|--------------------|--------|-----------|-----------|
| STRADA-2X2-T1 **     | 50 x 50            | 7.78   | 94        | asymm.    |
| STRADA-2X2-T2 **     | 50 x 50            | 7.7    | 94        | asymm.    |
| STRADA-2X2-T2-C      | 50 x 50            | 7.34   | 94        | asymm.    |
| STRADA-2X2-T2-M **   | 50 x 50            | 11.85  | 94        | asymm.    |
| STRADA-2X2-T3 * / ** | 50 x 50            | 7      | 94        | asymm.    |
| STRADA-2X2-T3-M      | 50 x 50            | 9.73   | 93        | asymm.    |
| STRADA-2X2-T4        | 50 x 50            | 7      | 94        | asymm.    |
| STRADA-2X2-T4-B **   | 50 x 50            | 9.02   | 93        | asymm.    |
| STRADA-2X2-ME **     | 50 x 50            | 8.2    | 94        | asymm.    |
| STRADA-2X2-ME-WIDE1  | 50 x 50            | 8.3    | 84        | asymm.    |
| STRADA-2X2-ME-WIDE2  | 50 x 50            | 7      | 81        | asymm.    |
| STRADA-2X2-ME-N      | 50 x 50            | 6.7    | 94        | asymm.    |
| STRADA-2X2-MEW       | 50 x 50            | 10.16  | 88        | asymm.    |
| STRADA-2X2-DWC **    | 50 x 50            | 6      | 93        | asymm.    |
| STRADA-2X2-DNW       | 50 x 50            | 11     | 93        | asymm.    |
| STRADA-2X2-A-T       | 50 x 50            | 7.3    | 93        | asymm.    |
| STRADA-2X2-VSM**     | 50 x 50            | 6.14   | 94        | 150       |
| STRADA-2X2-CAT       | 50 x 50            | 6.2    | 94        | asymm.    |
| STRADA-2X2-CAT-B **  | 50 x 50            | 7.73   | 94        | asymm.    |
| STRADA-2X2-SCL **    | 50 x 50            | 7.8    | 94        | asymm.    |
| STRADA-2X2-FW        | 50 x 50            | 11.98  | 92        | asymm.    |
| STRADA-2X2-FN **     | 50 x 50            | 10     | 94        | asymm.    |
| STRADA-2X2-FR        | 50 x 50            | 11.8   | 93        | 15 + 16   |
| STRADA-2X2-DN        | 50 x 50            | 8.05   | 94        | asymm.    |
| STRADA-2X2-XW        | 50 x 50            | 7      | 94        | asymm.    |
| STRADA-2X2-B2-STP    | 50 x 50            | 5.18   | 93        | asymm.    |
| STRADA-2X2-C-STP **  | 50 x 50            | 6.27   | 94        | asymm.    |
| STRADA-2X2-PX **     | 50 x 50            | 8      | 94        | asymm.    |
| STRADA-2X2-PXL       | 50 x 50            | 8      | 94        | asymm.    |
| STRADA-2X2-NHS       | 50 x 50            | 9.8    | 90        | asymm.    |
| STRADA-2X2-CY **     | 50 x 50            | 7.8    | 94        | 120       |
| STRADA-2X2-TF        | 50 x 50            | 8.73   | 94        | asymm.    |
| STRADA-2X2-FS3 **    | 50 x 50            | 12     | 94        | asymm.    |
| STRADA-2X2-LN1       | <b>NEW</b> 50 x 50 | 7.1    | 94        | asymm.    |
| STRADA-2X2-LM1       | <b>NEW</b> 50 x 50 | 7.2    | 94        | asymm.    |
| STRADA-2X2-LW1       | 50 x 50            | 7.2    | 94        | asymm.    |
| STRADA-2X2-T1-M      | 50 x 50            | 6.5    | 94        | asymm.    |
| STRADA-2X2-DB        | <b>NEW</b> 50 x 50 | 8.1    | 92        | asymm.    |

\* Available in silicone

\*\* Available also in PC

**STRADA-2X2CSP****PATENTED**

Compatibility: Designed for cost driven CSP (chip scale package) LEDs, and optimized for high-power CSPs.

Can be used with a cluster of 4 CSP LEDs under one optic.

| name               | height | dimensions | typ. eff. | typ. FWHM |
|--------------------|--------|------------|-----------|-----------|
| STRADA-2X2CSP-SCL  | 7.49   | 50 x 50    | 94        | asymm.    |
| STRADA-2X2CSP-VSM  | 6.95   | 50 x 50    | 94        | asymm.    |
| STRADA-2X2CSP-T2   | 7.7    | 50 x 50    | 94        | asymm.    |
| STRADA-2X2CSP-T3   | 6.5    | 50 x 50    | 94        | asymm.    |
| STRADA-2X2CSP-T4-B | 6.84   | 50 x 50    | 94        | asymm.    |
| STRADA-2X2CSP-ME   | 6.6    | 50 x 50    | 93        | asymm.    |

**STRADA-2X2-5050****PATENTED**

Compatibility: Flat 5050 size LED packages

| name                             | dimensions | height | typ. eff. | typ. FWHM |
|----------------------------------|------------|--------|-----------|-----------|
| STRADA-2X2-5050-T2-C             | 50 x 50    | 7.0    | 85        | asymm.    |
| STRADA-2X2-5050-T2-C2            | 50 x 50    | 7.4    | 94        | asymm.    |
| STRADA-2X2-5050-T2-C3 <b>NEW</b> | 50 x 50    | 9.7    | 94        | asymm.    |
| STRADA-2X2-5050-T2-M             | 50 x 50    | 7.2    | 79        | 73 + 152  |
| STRADA-2X2-5050-T3-M             | 50 x 50    | 7.3    | 92        | asymm.    |

**STRADA-IP-2X6 modules****PATENTED**

Compatibility: Up to 5050 size LED packages

| name                    | dimensions | height | typ. eff. | typ. FWHM |
|-------------------------|------------|--------|-----------|-----------|
| STRADA-IP-2X6-T2 *      | 173 x 71.4 | 9.2    | 94        | asymm.    |
| STRADA-IP-2X6-T2-B *    | 173 x 71.4 | 12.03  | 95        | asymm.    |
| STRADA-IP-2X6-T2-B-90   | 173 x 71.4 | 12.03  | 94        | asymm.    |
| STRADA-IP-2X6-T2-C-90 * | 173 x 71.4 | 9.0    | 94        | asymm.    |
| STRADA-IP-2X6-T2-L      | 173 x 71.4 | 13     | 93        | asymm.    |
| STRADA-IP-2X6-T3 *      | 173 x 71.4 | 8.5    | 94        | asymm.    |
| STRADA-IP-2X6-T3-B      | 173 x 71.4 | 12.75  | 94        | asymm.    |
| STRADA-IP-2X6-T3-B-90   | 173 x 71.4 | 12.75  | 94        | asymm.    |
| STRADA-IP-2X6-T3-L *    | 173 x 71.4 | 13     | 94        | asymm.    |
| STRADA-IP-2X6-T4-B *    | 173 x 71.4 | 10.57  | 94        | asymm.    |
| STRADA-IP-2X6-DWC *     | 173 x 71.4 | 7.9    | 93        | asymm.    |
| STRADA-IP-2X6-DWC-90 *  | 173 x 71.4 | 8.98   | 94        | asymm.    |
| STRADA-IP-2X6-ME *      | 173 x 71.4 | 8.4    | 94        | asymm.    |
| STRADA-IP-2X6-VSM *     | 173 x 71.4 | 9      | 94        | asymm.    |
| STRADA-IP-2X6-SCL *     | 173 x 71.4 | 9.6    | 94        | asymm.    |
| STRADA-IP-2X6-FW        | 173 x 71.4 | 13.1   | 92        | asymm.    |
| STRADA-IP-2X6-PX        | 173 x 71.4 | 9.6    | 94        | asymm.    |

\* Available also in PC

**STRADA-IP-8MX modules****PATENTED**

Compatibility: Optimized for flat 5050 packages (without dome)

| name                  | dimensions | height | typ. eff. |
|-----------------------|------------|--------|-----------|
| STRADA-IP-8MX-T2-C-PC | 90 x 90    | 9.6    | 85        |
| STRADA-IP-8MX-SCL-PC  | 90 x 90    | 11.2   | 86        |
| STRADA-IP-8MX-DWC2-PC | 90 x 90    | 10.14  | 89        |

**STRADA-IP-16MX modules****PATENTED**

Compatibility: CSP LEDs

| name                | dimensions | height | typ. eff. |
|---------------------|------------|--------|-----------|
| STRADA-IP-16MX-T2-M | 90 x 90    | 8.6    | 90        |
| STRADA-IP-16MX-T3-M | 90 x 90    | 8.6    | 90        |
| STRADA-IP-16MX-VSM  | 90 x 90    | 8.6    | 90        |
| STRADA-IP-16MX-T4   | 90 x 90    | 8.6    | 94        |
| STRADA-IP-16MX-SCL  | 90 x 90    | 8.6    | 93        |



STRADA-2X2-5050



STRADA-IP-2X6



STRADA-IP-8MX

**2X2<sup>mx</sup>**

STRADA-IP-16MX

**2X2<sup>mx</sup>**

**STRADA-2X2MX modules****PATENTED**

Compatibility: Up to 7070 size LED packages

| name                | dimensions | height | typ. eff. | typ. FWHM |
|---------------------|------------|--------|-----------|-----------|
| STRADA-2X2MX-8-DWC  | 90 x 90    | 11.3   | 94        | asymm.    |
| STRADA-2X2MX-8-VSM  | 90 x 90    | 13.4   | 94        | asymm.    |
| STRADA-2X2MX-8-SCL  | 90 x 90    | 13.17  | 94        | asymm.    |
| STRADA-2X2MX-8-T4-B | 90 x 90    | 13.17  | 94        | asymm.    |
| STRADA-2X2MX-8-T2   | 90 x 90    | 12.57  | 94        | asymm.    |
| STRADA-2X2MX-8-T2-S | 90 x 90    | 11.13  | 94        | asymm.    |

**Silicone STRADA-2X2MXS modules****PATENTED**

Compatibility: Up to 7070 size LED packages

| name               | dimensions | height | typ. eff. | typ. FWHM |
|--------------------|------------|--------|-----------|-----------|
| STRADA-2X2MXS-DWC2 | 90 x 90    | 14     | 93        | asymm.    |
| STRADA-2X2MXS-VSM  | 90 x 90    | 13     | 92        | asymm.    |
| STRADA-2X2MXS-T2   | 90 x 90    | 12.57  | 91        | asymm.    |
| STRADA-2X2MXS-T3   | 90 x 90    | 14.83  | 89        | asymm.    |
| STRADA-2X2MXS-T4-B | 90 x 90    | 14.2   | 88        | asymm.    |

**STRADA-6X1 modules****PATENTED**

Compatibility: Up to 3535 size LED packages

| name             | LEDs | h   | d            | typ. eff. |
|------------------|------|-----|--------------|-----------|
| STRADA-T-6X1-ME  | 6    | 8,2 | 119.8 x 25.2 | 93        |
| STRADA-T-6X1-DNW | 6    | 5,6 | 119.8 x 25.2 | 93        |
| STRADA-T-6X1-DWC | 6    | 5,5 | 119.8 x 25.2 | 94        |

**SITARA**[www.ledil.com/sitara](http://www.ledil.com/sitara)

Compatibility: Optimized for 5050 size flat SMD LEDs

| name          | LEDs | h   | d       | typ. eff. |
|---------------|------|-----|---------|-----------|
| SITARA-2X2-T2 | 4    | 9.3 | 50 x 50 | 78        |
| SITARA-T1-A   | 1    | 5.9 | 18 x 18 | 88        |
| SITARA-T2     | 1    | 7.7 | 18 x 18 | 83        |
| SITARA-HB-S   | 1    | 5.0 | 18 x 18 | 94        |
| SITARA-HB-M   | 1    | 5.7 | 18 x 18 | 94        |

**TATIANA**[www.ledil.com/tatiana](http://www.ledil.com/tatiana)

Compatibility: Up to 3535 size LED packages

| name          | LEDs | h   | d        | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------|------|-----|----------|-----------|-----------|------------|
| TATIANA-1X4-B | 4    | 7.7 | 102 x 25 | 144 + 62  | 94        | 0.54       |



STRADA-2X2MX &amp; MXS

**2X2<sup>mx</sup>**

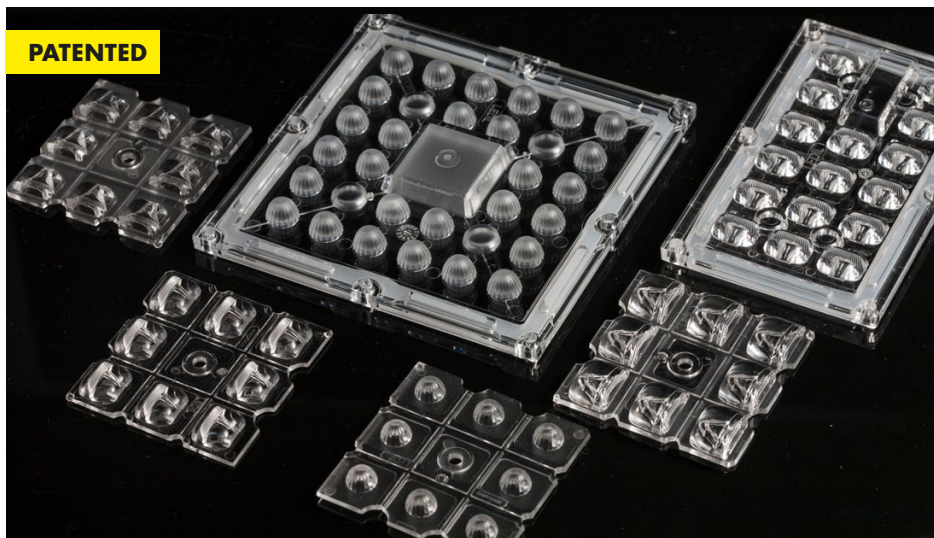
STRADA-6X1



SITARA



TATIANA-1X4-B

**PATENTED****STRADELLA**[www.ledil.com/stradellafamily](http://www.ledil.com/stradellafamily)**Compatibility:**

- STRADELLA single lens: Up to 3535 size mid- and high-power LEDs
- STRADELLA-8: Up to 3535 size mid- and high-power LEDs
- STRADELLA-8-CSP: CSP LEDs (top emitting, up to 2.8 x 2.8 x 0.5 mm ), Fortimo FastFlex Gen5
- STRADELLA-8-5050: For flat 5050 size LEDs
- STRADELLA-16: Up to 3535 size mid-power LEDs
- STRADELLA-IP-16: Up to 3535 size mid and high power LEDs
- STRADELLA-IP-28: Up to 3535 size mid and high power LEDs
- STRADELLA-IP-64: Up to 3535 size mid and high power LEDs

**STRADELLA**

| name             | beam type          | LEDs | h    | d           | typ. FWHM | typ. eff. | typ. cd/lm |
|------------------|--------------------|------|------|-------------|-----------|-----------|------------|
| STRADELLA-CY     | wide area lighting | 1    | 4.73 | 13.9 x 13.9 | 115       | 94        | 0.3        |
| STRADELLA-T2     | asymmetric         | 1    | 4.96 | 13.9 x 13.9 | asymm.    | 94        | 0.8        |
| STRADELLA-T3     | asymmetric         | 1    | 4.96 | 13.9 x 13.9 | asymm.    | 94        | 0.7        |
| STRADELLA-T4-B   | asymmetric         | 1    | 5.16 | 13.9 x 13.9 | asymm.    | 93        | 0.6        |
| STRADELLA-T1-A   | asymmetric         | 1    | 5.32 | 13.9 x 13.9 | asymm.    | 94        | 0.9        |
| STRADELLA-HB-S * | spot               | 1    | 7.5  | 13.9 x 13.9 | 27        | 95        | 1.5        |
| STRADELLA-HB-M * | medium             | 1    | 5.7  | 13.9 x 13.9 | 58        | 94        | 0.6        |
| STRADELLA-HB-W * | wide               | 1    | 7.12 | 13.9 x 13.9 | 87        | 94        | 0.5        |

\* Available also in PC

**STRADELLA-8**

| name                  | beam type          | LEDs | h    | d       | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------------------|--------------------|------|------|---------|-----------|-----------|------------|
| STRADELLA-8-HV-ME     | asymmetric         | 8    | 5.5  | 50 x 50 | asymm.    | 94        | 0.7        |
| STRADELLA-8-HV-ME-N   | asymmetric         | 8    | 5.96 | 50 x 50 | asymm.    | 92        | 0.7        |
| STRADELLA-8-HV-CY     | wide area lighting | 8    | 4.91 | 50 x 50 | 125 + 125 | 94        | 0.3        |
| STRADELLA-8-T2 */**   | asymmetric         | 8    | 5.7  | 50 x 50 | asymm.    | 94        | 0.8        |
| STRADELLA-8-T3 */**   | asymmetric         | 8    | 5.7  | 50 x 50 | asymm.    | 94        | 0.7        |
| STRADELLA-8-VSM*      | wide area lighting | 8    | 5.5  | 50 x 50 | 143       | 94        | 0.4        |
| STRADELLA-8-SCL */**  | asymmetric         | 8    | 5.5  | 50 x 50 | asymm.    | 93        | 0.7        |
| STRADELLA-8-T1-A */** | asymmetric         | 8    | 5.32 | 50 x 50 | asymm.    | 94        | 1.0        |
| STRADELLA-8-HB-S */** | spot               | 8    | 7.5  | 50 x 50 | 27        | 90        | 1.8        |
| STRADELLA-8-HB-M */** | medium             | 8    | 5.7  | 50 x 50 | 58        | 92        | 0.7        |
| STRADELLA-8-HB-W */** | wide               | 8    | 7.12 | 50 x 50 | 87        | 94        | 0.5        |

\* Available in HV versions with different pin locations allowing high voltage circuit designs

\*\* Available also in PC

**STRADELLA-8-CSP**

| name                    | beam type | LEDs | h   | d       | typ. FWHM | typ. eff. | typ. cd/lm |
|-------------------------|-----------|------|-----|---------|-----------|-----------|------------|
| STRADELLA-8-HV-CSP-LN1  | street    | 8    | 4.4 | 50 x 50 | asymm.    | 96        | 1.0        |
| STRADELLA-8-HV-CSP-LM1  | street    | 8    | 4.8 | 50 x 50 | asymm.    | 97        | 0.9        |
| STRADELLA-8-HV-CSP-LW1  | street    | 8    | 4.9 | 50 x 50 | asymm.    | 96        | 0.9        |
| STRADELLA-8-HV-CSP-VSM  | street    | 8    | 4.9 | 50 x 50 | asymm.    | 97        | 0.6        |
| STRADELLA-8-HV-CSP-SCL  | street    | 8    | 4.9 | 50 x 50 | asymm.    | 90        | 1.0        |
| STRADELLA-8-HV-CSP-T2-M | street    | 8    | 4.9 | 50 x 50 | asymm.    | 97        | 1.4        |
| STRADELLA-8-HV-CSP-T3-M | street    | 8    | 4.9 | 50 x 50 | asymm.    | 97        | 1.2        |

**STRADELLA-8-5050**

| name                     | beam type | LEDs | h | d       | typ. FWHM | typ. eff. | typ. cd/lm |
|--------------------------|-----------|------|---|---------|-----------|-----------|------------|
| STRADELLA-8-5050-HB-W-PC | wide      | 8    | 5 | 50 x 50 | 89        | 88        | 0.5        |

**STRADELLA-16**

| name                | beam type  | LEDs | h    | d       | typ. FWHM | typ. eff. | typ. cd/lm |
|---------------------|------------|------|------|---------|-----------|-----------|------------|
| STRADELLA-16-HB-S * | spot       | 16   | 7.5  | 50 x 50 | 27        | 93        | 1.7        |
| STRADELLA-16-HB-M * | medium     | 16   | 5.7  | 50 x 50 | 61        | 93        | 0.7        |
| STRADELLA-16-HB-M2  | medium     | 16   | 3.2  | 50 x 50 | 55        | 93        | 1.0        |
| STRADELLA-16-HB-W * | wide       | 16   | 7.12 | 50 x 50 | 92        | 94        | 0.5        |
| STRADELLA-16-HB-O   | asymmetric | 16   | 4.3  | 50 x 50 | asymm.    | 94        | 0.8        |
| STRADELLA-16-T1-A * | asymmetric | 16   | 4.3  | 50 x 50 | asymm.    | 94        | 0.8        |
| STRADELLA-16-T2     | asymmetric | 16   | 4.7  | 50 x 50 | asymm.    | 91        | 0.5        |
| STRADELLA-16-T3     | asymmetric | 16   | 3.7  | 50 x 50 | asymm.    | 94        | 0.6        |
| STRADELLA-16-SCL    | asymmetric | 16   | 4.4  | 50 x 50 | asymm.    | 94        | 0.6        |
| STRADELLA-16-VSM    | asymmetric | 16   | 4.2  | 50 x 50 | asymm.    | 86        | 0.5        |
| STRADELLA-16-T4     | asymmetric | 16   | 5.3  | 50 x 50 | asymm.    | 81        | 0.5        |
| STRADELLA-16-ME     | asymmetric | 16   | 4.9  | 50 x 50 | asymm.    | 94        | 0.6        |

**STRADELLA-IP-16**

| name                  | beam type  | LEDs | h    | d        | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------------------|------------|------|------|----------|-----------|-----------|------------|
| STRADELLA-IP-16-T2-PC | asymmetric | 16   | 8.45 | 100 x 60 | asymm.    | 94        | 0.7        |

**STRADELLA-IP-28**

| name                   | beam type          | LEDs | h   | d         | typ. FWHM | typ. eff. | typ. cd/lm |
|------------------------|--------------------|------|-----|-----------|-----------|-----------|------------|
| STRADELLA-IP-28-T1-A * | asymmetric         | 28   | 9.5 | 100 x 100 | asymm.    | 94        | 0.8        |
| STRADELLA-IP-28-T2 *   | asymmetric         | 28   | 9.2 | 100 x 100 | asymm.    | 94        | 0.8        |
| STRADELLA-IP-28-T3 *   | asymmetric         | 28   | 9.2 | 100 x 100 | asymm.    | 94        | 0.7        |
| STRADELLA-IP-28-T4B *  | asymmetric         | 28   | 9.2 | 100 x 100 | asymm.    | 91        | 0.7        |
| STRADELLA-IP-28-VSM *  | wide area lighting | 28   | 9.5 | 100 x 100 | 138       | 94        | 0.4        |
| STRADELLA-IP-28-SCL *  | asymmetric         | 28   | 9.5 | 100 x 100 | asymm.    | 94        | 0.6        |
| STRADELLA-IP-28-HB-S * | spot               | 28   | 9.5 | 100 x 100 | 25        | 92        | 1.6        |
| STRADELLA-IP-28-HB-M * | medium             | 28   | 9.5 | 100 x 100 | 65        | 94        | 0.7        |
| STRADELLA-IP-28-HB-W * | wide               | 28   | 9.5 | 100 x 100 | 90        | 94        | 0.4        |

\* Available also in PC

**STRADELLA-IP-64****NEW**

| name                  | beam type | LEDs | h   | d        | typ. FWHM | typ. eff. | typ. cd/lm |
|-----------------------|-----------|------|-----|----------|-----------|-----------|------------|
| STRADELLA-IP-64-T2-PC | street    | 64   | 9.2 | 253 x 74 | asymm.    | 94        | 0.8        |
| STRADELLA-IP-64-HB-S  | spot      | 64   | 9.2 | 253 x 74 | 30        | 92        | 2.0        |
| STRADELLA-IP-64-HB-M  | medium    | 64   | 9.2 | 253 x 74 | 60        | 90        | 1.0        |
| STRADELLA-IP-64-HB-W  | wide      | 64   | 9.2 | 253 x 74 | 90        | 92        | 0.5        |
| STRADELLA-IP-64-HB-O  | oval      | 64   | 9.2 | 253 x 74 | 30 + 90   | 90        | 1.1        |

**NEW**

SPORT-2X2-FT60

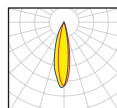


JENNY family

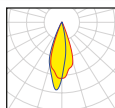
**SPORT-2X2**[www.ledil.com/sport](http://www.ledil.com/sport)**NEW**

Compatibility: Optimized for HP 3535 and compatible with up to 5050 size flat LED packages

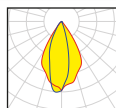
| name           | beam type  | h     | d       | typ. FWHM | typ. eff. | typ. cd/lm |
|----------------|------------|-------|---------|-----------|-----------|------------|
| SPORT-2X2-S2   | asymmetric | 14.2  | 50 x 50 | asymm.    | 97        | 4.9        |
| SPORT-2X2-S4   | asymmetric | 14.4  | 50 x 50 | asymm.    | 97        | 2.9        |
| SPORT-2X2-S6   | asymmetric | 15.5  | 50 x 50 | asymm.    | 97        | 1.8        |
| SPORT-2X2-FT60 | asymmetric | 15.5  | 50 x 50 | asymm.    | 88        | 1.3        |
| SPORT-2X2-FT6  | asymmetric | 11.0  | 50 x 50 | asymm.    | 92        | 1.2        |
| SPORT-2X2-FT6W | asymmetric | 12.25 | 50 x 50 | asymm.    | 97        | 1.1        |
| SPORT-2X2-S1   | multi-lens | 13.6  | 50 x 50 | 15        | 92        | 9.0        |

**COMING**

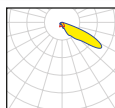
S2



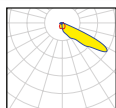
S4



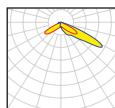
S6



FT60



FT6



FT6W

**JENNY**[www.ledil.com/jennyfamily](http://www.ledil.com/jennyfamily)

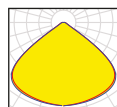
Comes either as a single lens or in a 8 lens array with possibility to separate lenses individually.

Can be installed with glue optional holder.

Compatibility: Up to 7070 size LED packages

| name          | height | dimensions | typ. eff. | typ. FWHM |
|---------------|--------|------------|-----------|-----------|
| JENNY-CY *    | 11.5   | 35 x 35    | 94        | 106 + 106 |
| JENNY-T4 *    | 17     | 35 x 35    | 92        | asymm.    |
| JENNY-CY-G2 * | 11.5   | 35 x 35    | 94        | 100       |
| JENNY-T4-G2 * | 17     | 35 x 35    | 93        | asymm.    |
| JENNY-20 *    | 14.52  | 35 x 35    | 96        | 20        |
| JENNY-40 *    | 15     | 35 x 35    | 96        | 40        |
| JENNY-60 *    | 13.42  | 35 x 35    | 94        | 60        |
| JENNY-FT45 *  | 20.65  | 35 x 35    | 92        | asymm.    |
| JENNY-FT65 *  | 15.35  | 35 x 35    | 93        | asymm.    |

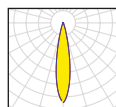
\* Available also in 8 lens array



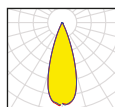
CY-G2



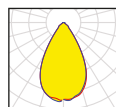
T4-G2



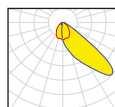
20



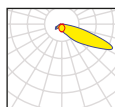
40



60



FT45

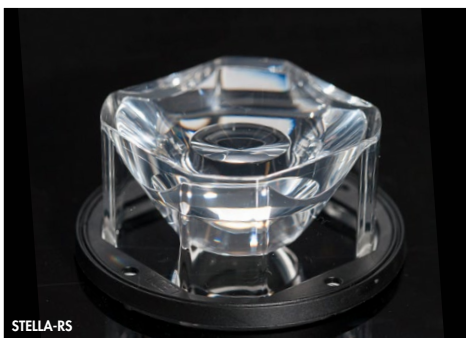


FT65





STELLA-G2-T3



STELLA-RS

## STELLA

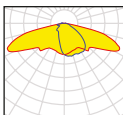
[www.ledil.com/stellafamily](http://www.ledil.com/stellafamily)

### STELLA-G2

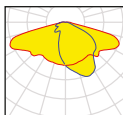
Compatibility:

- Optimized for up to 23 mm and supports up to 30 mm LES size COBs
- Compatible with connectors from B+W, BJB, TE, IDEAL (Ø 50 mm and up to 5.9 mm height)

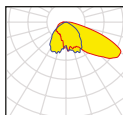
| name          | d  | h    | typ. eff. | typ. FWHM |
|---------------|----|------|-----------|-----------|
| STELLA-G2-T2  | 90 | 26.5 | 86        | asymm.    |
| STELLA-G2-T3  | 90 | 40.2 | 91        | asymm.    |
| STELLA-G2-T4  | 90 | 45.2 | 89        | asymm.    |
| STELLA-G2-VSM | 90 | 25.6 | 91        | asymm.    |



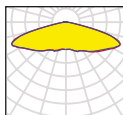
T2



T3



T4



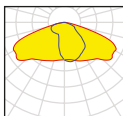
VSM

### STELLA

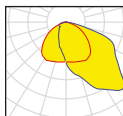
Compatibility:

- Asymmetric STELLA's: up to 23 mm LES size
- Symmetric STELLA's: up to 30 mm LES size
- 3rd party connectors from BJB, Ideal, B+W, Stucchi and TE
- Installation frame made from aluminium available for FRESNEL and WWW beams

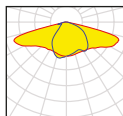
| name                  | h     | d  | typ. eff. | typ. FWHM |
|-----------------------|-------|----|-----------|-----------|
| STELLA-A              | 22    | 90 | 92        | asymm.    |
| STELLA-HB             | 19.5  | 90 | 93        | 76        |
| STELLA-HB-WWW         | 11.3  | 90 | 88        | 97        |
| STELLA-T4             | 26.9  | 90 | 92        | asymm.    |
| STELLA-VSM            | 20.7  | 90 | 94        | asymm.    |
| STELLA-FRESNEL        | 23    | 90 | 89        | 27        |
| STELLA-DWC2           | 19.27 | 90 | 92        | asymm.    |
| STELLA-RS             | 39.15 | 90 | 94        | 25        |
| STELLA-CLAMP-CXA15-18 |       |    |           |           |



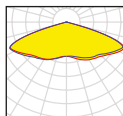
A



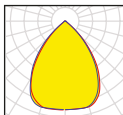
T4



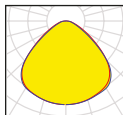
DWC2



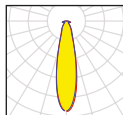
VSM



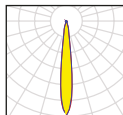
HB



HB-WWW



FRESNEL



RS

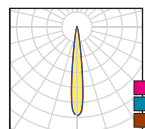


# HIGHBAY SOLUTIONS

|                                                                                   |              |                                                                                   |                    |
|-----------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|--------------------|
|  | HB-SQ        |  | STRADELLA-8-HB     |
|  | HB-2X2       |  | STRADELLA-16-HB    |
|  | HB-2X2-5050  |  | STRADELLA-IP-28-HB |
|  | HB-2X2MX-8   |  | STRADELLA-IP-64-HB |
|  | HB-2X2MXS    |  | SITARA-HB          |
|  | HB-IP-8MX    |  | VICTORIA           |
|  | HB-IP-2X6    |  | STELLA             |
|  | HB-IP-2X6-G2 |                                                                                   |                    |
|  | STRADELLA-HB |                                                                                   |                    |

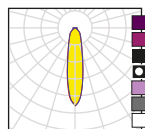


## ~15° HIGH BAY

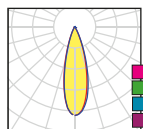


RS

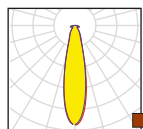
## ~30° HIGH BAY



S

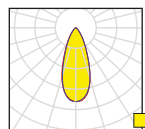


M

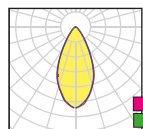


FRESNEL

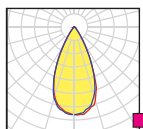
## ~45° MID BAY



A

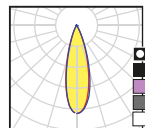


W

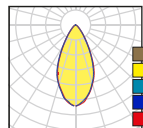


RW

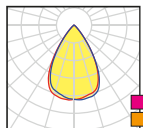
## ~60° MID BAY



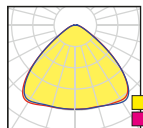
M



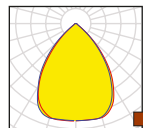
W



WW

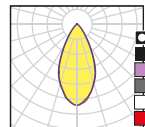


WWW

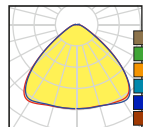


HB

## ~90° LOW BAY

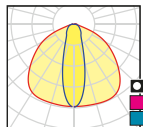


W

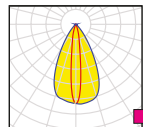


WWW

## OVAL



O



ON

### HB-5Q

Dimensions: 25 x 25 mm

Compatibility:

- Up to 7070 size LED packages

### HB-2X2 MODULES

Dimensions: 50 x 50 mm

Compatibility:

- Up to 5050 size LED packages

### HB-2X2-5050

Dimensions 50 x 50 mm

Compatibility:

- For flat 5050 size LED packages

### HB-2X2MX & SILICONE 2X2MXS MODULES

Dimensions: 90 x 90 mm

Compatibility:

- Up to 7070 size LED packages



### HB-IP-2X6 MODULES

Dimensions: 173 x 71.4 mm

Compatibility:

- Up to 5050 size LED packages

### HB-IP-2X6-G2 MODULES

Dimensions: 172 x 71 mm

Compatibility:

- Optimized for flat high power 5050 size LED packages
- Compatible with up to 5050 size LED packages

### HB-IP-8MX MODULES

Dimensions: 90 x 90 mm

Compatibility:

- Optimized for flat 5050 packages (without dome)



## STRADELLA FAMILY [www.ledil.com/stradellafamily](http://www.ledil.com/stradellafamily)

### STRADELLA-HB

Dimensions: 13.9 x 13.9 mm

Compatibility:

- Up to 3535 size LED packages

### STRADELLA-8-HB

Dimensions: 49.5 x 49.5 mm

Compatibility:

- Up to 3535 size LED packages

### STRADELLA-16-HB

Dimensions: 49.5 x 49.5 mm

Compatibility:

- Up to 3535 size LED packages

### STRADELLA-IP-28-HB

Dimensions: 100 x 100 mm

Compatibility:

- Up to 3535 size LED packages

### STRADELLA-IP-64-HB **NEW**

Dimensions: 74 x 253 mm

Compatibility:

- Up to 3535 size LED packages



## VICTORIA [www.ledil.com/victoria](http://www.ledil.com/victoria)

Diameter: 300 mm

Compatibility:

- Optimized for 2835 and compatible with up to 5630 size mid-power LED packages
- Recommended to be used with two LEDs per one optic which can be up to 5630 in size

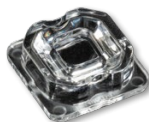


## SITARA-HB FAMILY [www.ledil.com/sitara](http://www.ledil.com/sitara)

Dimensions: 18 x 18 mm

Compatibility:

- Optimized for flat high-power 5050 size LED packages



## STELLA FAMILY [www.ledil.com/stellafamily](http://www.ledil.com/stellafamily)

Diameter: 90 mm

Compatibility:

- Asymmetric STELLA's: up to 23 mm LES size
- Symmetric STELLA's: up to 30 mm LES size
- 3rd party connectors from BJB, Ideal, B+W, Stucchi and TE





**IN ADDITION TO  
OUR WIDE PRODUCT  
PORTFOLIO OF  
STANDARD PRODUCTS  
WE ALSO OFFER  
CUSTOM TAILORED  
SOLUTIONS.**

Our long expertise in optical design and close collaboration with our customers to meet their special needs is in some cases the only way to find the best solution for a project.

If you need a customized product please contact your local sales representative to discuss finding the best possible solution for your requirements.

**WHEN IS A CUSTOMIZED  
SOLUTION NEEDED?**

- No mechanically or optically suitable product available
- Looking for a unique design solution and differentiation
- Meeting special requirements for certain applications
- Need for specific material

**WHY LEDiL?**

- Full turnkey service
- No need for external 3D-designers
- Accurate light laboratory measurements
- Production facilities on different continents
- Wide testing capabilities to support product development
- Thermal analysis service from the beginning of a project
- Technical support during the whole lifetime of a product
- Broad recognition in the industry as a manufacturer of high quality products

| EUROPE                                                                                 |                          |                              |                    |
|----------------------------------------------------------------------------------------|--------------------------|------------------------------|--------------------|
| FINLAND, SWEDEN, NORWAY, ICELAND, DENMARK                                              | LINUS FUCHS   indoor     | linus.fuchs@ledil.com        | +358 0 176 4406    |
|                                                                                        | SAMPsa NURMI   outdoor   | sampsa.nurmi@ledil.com       | +358 41 503 5316   |
| ESTONIA, LATVIA, LITHUANIA                                                             | LINUS FUCHS   indoor     | linus.fuchs@ledil.com        | +358 0 176 4406    |
|                                                                                        | TAINA KALINTIV   outdoor | taina.kalintiv@ledil.com     | +358 40 589 1425   |
| GERMANY, AUSTRIA, SWITZERLAND                                                          | OLIVER KLASÉN            | oliver.klasen@ledil.com      | +49 151 2066 1985  |
|                                                                                        | MARTIN LENGWENUS         | martin.lengwenus@ledil.com   | +49 157 7191 6641  |
|                                                                                        | MICHAEL BERGER           | michael.berger@ledil.com     | +49 170 524 3688   |
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| SPAIN, PORTUGAL                                                                        | DAVE SIMPSON             | dave.simpson@ledil.com       | +34 607 858 901    |
| ITALY, MALTA                                                                           | DIEGO QUADRIO            | diego.quadrio@ledil.com      | +39 340 659 9236   |
| BALKANS                                                                                | GREGOR POKERŽNIK         | gregor.pokerznik@ledil.com   | +386 41 667 623    |
| POLAND, CZECH REPUBLIC, SLOVAKIA                                                       | MARCIN WIEWIÓRKA         | marcin.wiewiorka@ledil.com   | +48 501 765 576    |
| RUSSIA, UKRAINE, BELARUS, KAZAKHSTAN                                                   | SAKEN JUSUPOV            | saken.jusupov@ledil.com      | +7 911 758 95 54   |
| TURKEY                                                                                 | ZEKERIYA BOZ             | zekeriya.boz@ledil.com       | +90 546 291 2 444  |
| MIDDLE EAST                                                                            |                          |                              |                    |
| IRAN                                                                                   | BAHADOR MOZAFFARI        | bahador.mozaffari@ledil.com  | +98 912 593 9355   |
| MIDDLE EAST                                                                            | RAÚL PARRA               | raul.parra@ledil.com         | +358 40 095 6839   |
| AFRICA                                                                                 |                          |                              |                    |
| ALGERIA, MOROCCO, TUNISIA, EGYPT                                                       | RAÚL PARRA               | raul.parra@ledil.com         | +358 40 095 6839   |
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|                                                                                        | TAINA KALINTIV   outdoor | taina.kalintiv@ledil.com     | +358 40 589 1425   |
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