

WINNIE

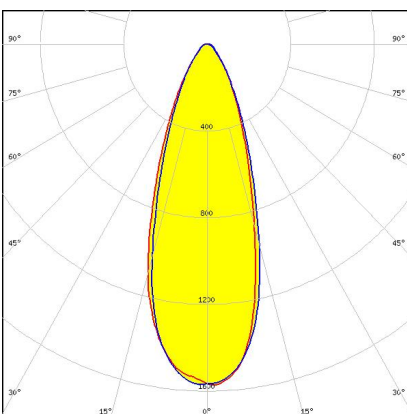
Ø50 mm low profile lenses for retrofits, downlights and compact tracklights, up to 21 mm LES size COBs and LEDiL HEKLA sockets/connectors

WINNIE-family has a unique folded TIR design which substantially reduces height compared to traditional collimating optical designs. WINNIE features a convenient MR16 size for a range of luminaires or retrofit designs and can be used with heat sinks pre-drilled for Zhaga compatible light engines. Hyper-reflective white PC holders and optical grade PMMA gives exceptional optical efficiency (close to 90 %). Compatible with LEDiL HEKLA with Holder C as well as 3rd party connectors from Bender+Wirth.



PRODUCTS:

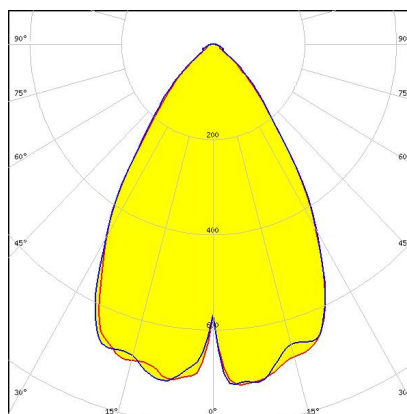
WINNIE-M



Dimensions: 49.8 mm x 49.8 mm
Height: 19.30 mm

~35° medium beam. Holder with 35 mm screw hole distance according to Zhaga standard. Compatible with Bender+Wirth 4x Typ L5 connector.

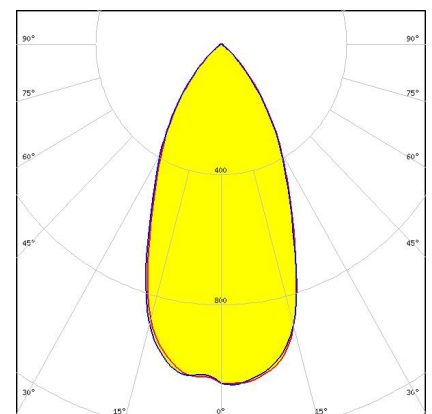
WINNIE-WW



Dimensions: 49.8 mm x 49.8 mm
Height: 19.30 mm

~65° wide beam. Holder with 35 mm screw hole distance according to Zhaga standard. Compatible with Bender+Wirth 4x Typ L5 connector.

WINNIE-W-C

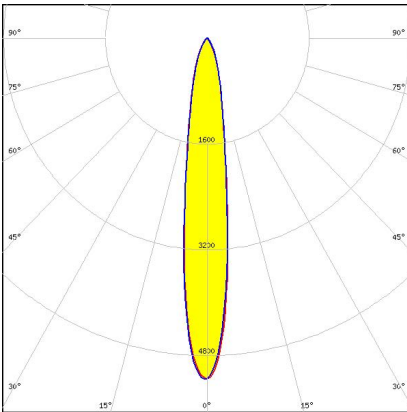


Dimensions: 50.0 mm x 50.0 mm
Height: 19.50 mm

~50° spot beam with holder C compatible with LEDiL HEKLA

PRODUCTS:

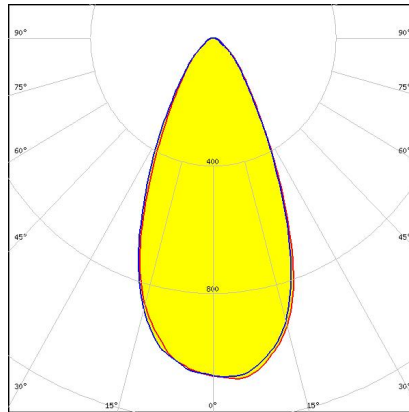
WINNIE-S-C



Dimensions: 50.0 mm x 50.0 mm
Height: 19.50 mm

~20° spot beam with holder C
compatible with LEDiL HEKLA

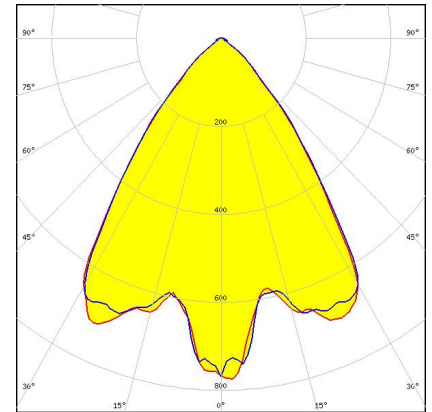
WINNIE-W



Dimensions: 49.8 mm x 49.8 mm
Height: 19.30 mm

~50° wide beam. Holder with 35 mm
screw hole distance according to
Zhaga standard. Compatible with
Bender+Wirth 4xx Typ L5 connector.

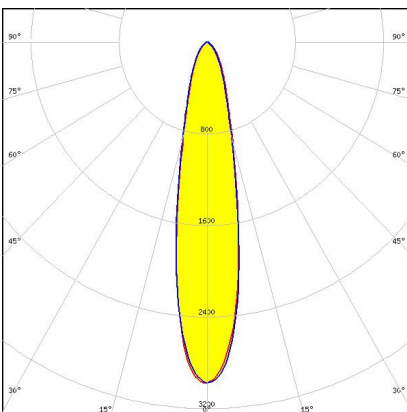
WINNIE-WW-C



Dimensions: 50.0 mm x 50.0 mm
Height: 15.70 mm

~65° wide beam with holder C
compatible with LEDiL HEKLA

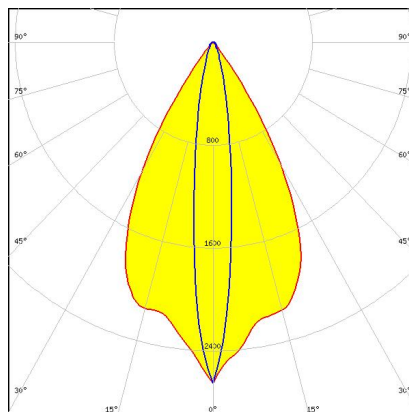
WINNIE-S



Dimensions: 49.8 mm x 49.8 mm
Height: 19.30 mm

~20° spot beam. Holder with 35 mm
screw hole distance according to
Zhaga standard. Compatible with
Bender+Wirth 4xx Typ L5 connector.

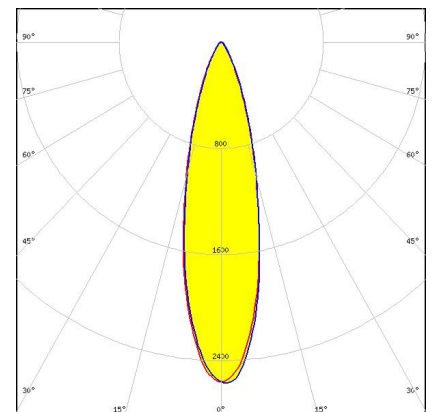
WINNIE-O-C



Dimensions: 50.0 mm x 50.0 mm
Height: 19.50 mm

~60° + 20° oval beam with holder C
compatible with LEDiL HEKLA

WINNIE-M-C

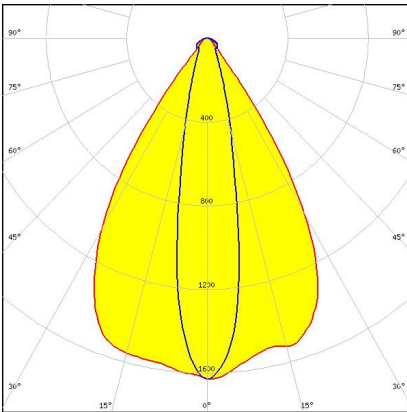


Dimensions: 50.0 mm x 50.0 mm
Height: 19.50 mm

~35° spot beam with holder C
compatible with LEDiL HEKLA

PRODUCTS:

WINNIE-O



Dimensions: 49.8 mm x 49.8 mm

Height: 19.30 mm

~60° + 20° oval beam. Holder with
35 mm screw hole distance
according to Zhaga standard.
Compatible with Bender+Wirth 4xx
Typ L5 connector.

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

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

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

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