LEDiL

Product catalogue

Q2, 2023

Since our beginnings in 2002, we set out on a mission to perfect light for a luminous future – for humankind and the life around us.

Our story is one of continuous discovery.

With every customer case, we advance the quality of LED light by continuously challenging our competence and pushing the boundaries of innovation.

Our state-of-the-art optical solutions help create light that enhances wellbeing, functionality, safety and sustainability.

Whether we work on indoor or outdoor lighting, we have the experience and technological know-how to achieve extraordinary results in a wide range of applications.

Together with our customers and partners, we enable and strengthen a shared ecosystem of light; because we know that no one can achieve a better future alone.

Useful information

You can find product-ordering names together with the latest product information and LED compatibility at
> ledil.com/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
> ledil.com/installation_guide

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FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

Application guides

Street lighting

Retail lighting

Sports lighting

Urban lighting

Horticultural lighting

Office lighting

Retail lighting

Common beam type abbreviations

name	beam type
RS	real spot
SS	smooth spot
D	diffused spot
S	spot
M	medium
W	wide
WW	wider

name	beam type
WWW	very wide
XW	extra wide
20, 40, 60 etc.	beam angle in degrees
UP	uplight
BW	batwing
WG	wall grazer
O	oval

name	beam type
REC	rectangular
WAS	wall washer
ZTXX	asymmetric
SE	side emitter

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

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Single lenses

LARISA

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 + 22	81	2.1

LISA

www.ledil.com/lisa

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

LISA

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						
LISA2-RS	real spot	≈ 7	9.9	19	89	3.1
LISA2-M	medium	≈ 7	9.9	22	89	2.8
LISA2-O	oval	≈ 7	9.9	45 + 21	82	2.2
LISA2-O-90	oval	≈ 7	9.9	19 + 48	82	2.2
LISA2-W	wide	≈ 7	9.9	34	88	1.8
LISA2-WW	extra wide	≈ 7	9.9	46	89	1.1
LISA2-WWW	extra² wide	≈ 7	9.9	80	83	0.4
LISA2-R-PIN	extra wide	≈ 7	9.9	80	88	0.4
LISA3 / LISA3CSP						
-RS	real spot	≈ 7	10	14	89	9.4
-S **NEW**	spot	≈ 7	10	15	89	8
-M	medium	≈ 7	10	25	89	4.1
-W	wide	≈ 7	10	35	90	2.7
-WW	extra wide	≈ 7	10	45	90	1.5
-WWW	extra² wide	≈ 7	10	62	89	0.9
-O/-O-90	oval	≈ 7	10	16 + 48	84	2.8
-O2 **NEW**	oval	≈ 7	10	34.5 + 22	80	2.6

VERONICA

www.ledil.com/veronica

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

VERONICA

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						
VERONICA-SQ-RS	real spot	12.2	22.5 x 22.5	13	89	18.8
VERONICA-SQ-M	medium	12.2	22.5 x 22.5	30	89	3.1
VERONICA-SQ-W	wide	12.2	22.5 x 22.5	52	92	1.2
VERONICA-SQ-SE	side emitter	11.4	22.5 x 22.5	189	91	2.7
VERONICA-SQ-O	oval	12.2	22.5 x 22.5	56 + 12	82	3.2
VERONICA-SQ-WG	asymm.	13.6	22.5 x 22.5	asymm.	92	9.2
VERONICA-SQ-MINI						
VERONICA-SQ-MINI-RS	real spot	8.9	13.9 x 13.9	14	92	11
VERONICA-SQ-MINI-D	diffused spot	8.9	13.9 x 13.9	15	92	7.3
VERONICA-SQ-MINI-M	medium	8.9	13.9 x 13.9	34	89	2.4
VERONICA-SQ-MINI-W	wide	8.9	13.9 x 13.9	56	91	0.9
VERONICA-SQ-MINI-O	oval	8.9	13.9 x 13.9	15 + 50	84	3.8

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

TINA

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 + 15	89	3.4

TINA2

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	≈ 9.5	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	16.1	74	90	0.5
TINA2-O*/TINA-O-90	oval	≈ 10	16.1	35 + 16	87	3.5
TINA2-O-WAS *	asymm. oval	≈ 10	16.1	asymm.	86	3.6

* Compatible with TINA-SC

TINA3

TINA3-S	spot	11.4	16.1	13	77	8.4
TINA3-W	wide	≈ 7	16.1	39	90	1.7
TINA3-WW	extra wide	≈ 7	16.1	53	90	1.0
TINA3-WWW	extra² wide	≈ 7	16.1	71	88	0.6
TINA3-OO	oval	≈ 7	16.1	59 + 39	90	1.2

TINA-Y

Optimized for 3535 high power LED packages and compatible with up to 5050 LED packages

name	beam type	h	d	typ. FWHM	typ. eff.	typ. cd/lm
TINA-Y-RS	real spot	10	16.1	17	81	5.8
TINA-Y-SS	smooth spot	10	16.1	18	81	5.4
TINA-Y-M	medium	10	16.1	24	80	3.3
TINA-Y-W	wide	10	16.1	36	80	2.0
TINA-Y-WW	extra wide	10	16.1	50	80	1.0
TINA-Y-O	oval	10	16.1	20 + 40	75	2.0

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Single lenses

ROSE-MRK

ROSE-UV

VIOLETTA

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	real spot	21.6 x 21.6	11	88	21.7
ROSE-SS	smooth spot	21.6 x 21.6	15	87	9.4
ROSE-D	diffused spot	21.6 x 21.6	16	85	7.1
ROSE-M	medium	21.6 x 21.6	30	83	2.5
ROSE-W	wide	21.6 x 21.6	51	81	1.1
ROSE-WW	extra wide	21.6 x 21.6	59	81	0.8
ROSE-WWW	extra² wide	21.6 x 21.6	80	84	0.4
ROSE-O	oval	21.6 x 21.6	43 + 15	81	3.1
ROSE-O-90	oval	21.6 x 21.6	13 + 44	81	3.6

ROSE-MRK

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

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

UV-A-B

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

name		beam type	h	d	typ. FWHM	typ. eff.
ROSE-UV-G3-S	COMING	spot	12.9	21.6 x 21.6	14	92
ROSE-UV-G3-SS	COMING	smooth spot	12.9	21.6 x 21.6	12	91
ROSE-UV-G3-M	COMING	medium	12.9	21.6 x 21.6	24	91
ROSE-UV-G3-M2	COMING	medium	12.9	21.6 x 21.6	28	90
ROSE-UV-G3-W	COMING	wide	12.9	21.6 x 21.6	50	88
ROSE-UV-G3-W2	COMING	wide	12.9	21.6 x 21.6	TBA	90
ROSE-UV-G3-O	NEW	oval	12.9	21.6 x 21.6	20 + 35	90

VIOLETTA

UV-A-B-C

www.ledil.com/violetta

Compatibility: Up to 7070 size LED packages or 2x2 LED cluster with up to 3030 package size

name	beam type	h	d	typ. FWHM	typ. cd/lm
VIOLETTA-S	spot	6.6	22 x 22	15	7.9
VIOLETTA-W	wide	6.5	22 x 22	60	0.9

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

LAURA

www.ledil.com/laura

LAURA

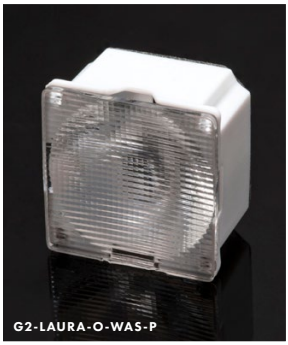
Compatibility: Up to 5050 size LED packages

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 + 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 + 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


G2-LAURA-O-WAS-P

LAURA-RS

LEILA

www.ledil.com/leila

Compatibility: Optimized for 3535 high power LED packages and compatible with up to 5050 LED packages

LEILA

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 + 26	84	2.4
-O	14.6	21.6	39 + 11	88	4.8
-O-90 **	14.6	21.6	11 + 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
** Compatible with LEILA-SC					

LEILA-G2

Thinner holder design. Backwards compatible with previous generations.

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-Y

name*	h	d	typ. FWHM	typ. eff.	typ. cd/lm
LEILA-Y-RS	14.8	21.6	13	83	11
LEILA-Y-SS	14.8	21.6	14	83	10
LEILA-Y-M	14.8	21.6	22	80	4.7
LEILA-Y-W	14.8	21.6	31	80	2.8
LEILA-Y-WW	14.8	21.6	55	81	1.0
LEILA-Y-O	14.8	21.6	15 + 45	75	2.8

*Subject to the LED type, check www.ledil.com/leila for actual values.

LEILA LEILA-G2

LEILA-Y-WW

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Single lenses

IRIE

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

Compatibility: Up to 3535 size IR LED packages

name	h	d	typ. FWHM	typ. eff.	typ. cd/lm
IRENE-IR-4	14.3	21.6	67 + 67	90	1
IRENE-IR-8	14.3	21.6	32 + 32	90	2.2
IRENE-IR-12	14.3	21.6	25 + 25	90	3
IRENE-IR-16	14.3	21.6	17 + 17	90	6
IRENE-IR-25	14.3	21.6	16 + 16	90	20

IRIS

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 + 28	84	1.9

BILLIE

www.ledil.com/billie

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
BILLIE-S **NEW**	asymm.	16.1	21.5	asymm.	88	4.8

MIRA

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

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

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

TITANUM-M

EMILY-WWW

HEIDI-W2

TITANUM

www.ledil.com/titanum

Compatibility: Up to 3535 size LED packages

name	beam type	d	typ. FWHM	typ. eff.	typ. cd/lm
TITANUM-O-SS	smooth spot	26	9	84	20
TITANUM-O-M	medium	26	25	87	4.2
TITANUM-O-W	wide	26	65	71	2
TITANUM-O-O	oval	26	35 + 8	89	6.4

EMILY

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	90	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 + 10	87	3.6
EMILY-O	14.8	26	44 + 10	89	4.5
EMILY-O-90	14.8	26	45 + 10	89	4.2

HEIDI

www.ledil.com/heidi

Compatibility: Up to 3535 size LED packages

name	h	d	typ. FWHM	typ. eff.	typ. cd/lm
HEIDI-RS	11.7	21.6	8	92	21.8
HEIDI-D	11.9	21.6	10	90	14.8
HEIDI-SS	11.7	21.6	15	90	6.8
HEIDI-M	11.9	21.6	26	89	3.8
HEIDI-W	11.7	21.6	32	87	2.6
HEIDI-W2	12.0	21.6	45	80	1.1
HEIDI-O	11.9	21.6	49 + 11	87	4.5
HEIDI-O-90	12.1	21.6	13 + 44	87	4.7
HEIDI-REC-90	12.8	21.6	36 + 57	78	1.3

The information contained herein is the property of Ledil Oy, Joensuunkatu 13, FI-24100 SALO, Finland, and is subject to change without prior notice. Please visit ledil.com for additional information, such as the latest photometric files, 3D mechanical models, and application notes relating to handling, gluing and taping.

Single lenses

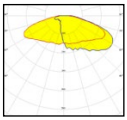
NEW

BELLA

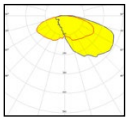
www.ledil.com/bella

Compatibility: Up to 7070 size LED packages

name	beam type	h	d	typ. FWHM	typ. eff.	typ. cd/lm
BELLA-SQ-HC	half-C	11.9	25 x 25	asymm.	87	0.4
BELLA-SQ-HVSM	half-VSM	11.9	25 x 25	asymm.	87	0.4



BELLA-SQ-HC



BELLA-SQ-HVSM

KIKI

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

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

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

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

Compatibility: Up to 3535 size LED packages

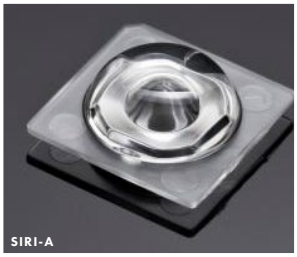
name	beam type	h	d	typ. FWHM	typ. eff.	typ. cd/lm
STRADA-S	side emitter	6.9	19.6 x 15.5	144 + 170	93	0.4

SIRI

www.ledil.com/siri

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



FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

Single lenses

LEIA

HELENA-A

EMERALD-ER1

ZOE-30-ZOOM

LEIA

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
additional accessories					
LEIA-SUB-O	narrow oval sublens				

HELENA

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

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

EMERALD-MAXI-A	wide area lighting	12.2	33 x 25	asymm.	92	2.0

ZOE

www.ledil.com/zoe

Compatibility: Optimized for 3535 LED packages and compatible with up 7070 LED packages

name	beam type	h	d	typ. FWHM	typ. eff.	typ. cd/lm
ZOE-30-ZOOM	zoom	20.3	31.6	13 to 42	75	10-1.5

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Single lenses

FLARE-MAXI-T

SEANNA-A

CRYSTAL-RS

FILIPPA-STVZO

FLARE

www.ledil.com/flare

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
FLARE-MINI					
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					
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

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

Compatibility: Up to 7070 size LED packages

name	beam type	h	d	typ. FWHM	typ. eff.	typ. cd/lm
SEANNA-A	real spot	79	152.6	2.3	87	500

NEW

FILIPPA

www.ledil.com/filippa

Compatibility: Up to to 3535 size LED packages

name	beam type	h	d	typ. FWHM	typ. eff.
FILIPPA-STVZO	oval	17.5	32.9	10 x 20	83

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

GABRIELLA

RGBX-M

GABRIELLA

www.ledil.com/gabriella

TESTED FOR TUNABLE WHITE

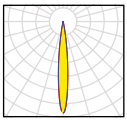
Compatibility: Optimized for 5050 sized and compatible with 7070 RGB LEDs

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

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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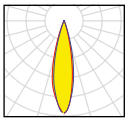
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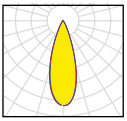
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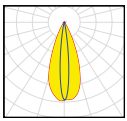

O

RGBX

www.ledil.com/rgbx

TESTED FOR TUNABLE WHITE

Compatibility: Up to 5050 size RGB LEDs

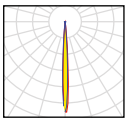
name	d	h	typ. FWHM	typ. eff.	typ.cd/lm
RGBX-SS	28	30	20	85	3.8
RGBX-M	28	30	30	70	1.3
RGBX2-S	28	30	20	77	4.6
RGBX2-M	28	30	34	68	1.5
RGBX2-O	28	30	48 + 24	66	1.5

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

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Single lenses

AMY

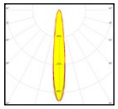
www.ledil.com/amy

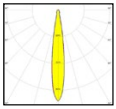
TESTED FOR TUNABLE WHITE HEKLA

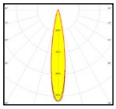
Compatibility:
– Ø35 mm optimized for LES 6 mm
– Ø45 mm and Ø50 mm optimized for LES 10 mm
– Ø 70 mm optimized for LES 14.5 mm
– Ø 110 mm optimized for LES 14.5 mm
– LEDiL HEKLA (with holder C)
– B+W and BJB connectors (with holder B)
AMY-35, -50, -70: 35 mm B+W and BJB connectors
AMY-110: 50 mm B+W and BJB connectors

name		beam type	d	h	typ. FWHM	typ. eff.	typ. cd/lm
AMY-XX-S2		spot	50	10.7	15	90	4.2
AMY-XX-RS	NEW	real spot	50 / 70	10.8 / 11.8	15	90	9.0
AMY-XX-S		spot	35 / 45 / 50 / 70 / 110	8.5 / 10.0 / 10.8 / 12.7 / 23.3	18	90	6.7
AMY-XX-M		medium	35 / 45 / 50 / 70 / 110	8.5 / 10.0 / 10.9 / 12.5 / 23.5	24	92	4.0
AMY-XX-W		wide	35 / 45 / 50 / 70 / 110	8.5 / 10.0 / 11.0 / 13.0 / 23.6	36	89	2.1
AMY-X-WW		extra wide	35 / 45 / 50 / 70 / 110	8.5 / 10.0 / 11.0 / 12.8 / 23.4	60	90	1.0
AMY-XX-O	NEW	oval	35 / 50 / 70	8.5 / 11.0 / 13.0	20 + 55	87	1.9
AMY-XX-WAS	NEW	asymm.	50 / 70	13.1 / 14.9	asymm.	81	1
AMY-XX-ZOOM	NEW	zoom	25 / 35 / 45 / 50 / 70	11.9* / 16.5* / 20.4* / 24.4* / 29.6*	20 to 50	80	4.1-1.0

* Measured from the heat sink: Height comprises holder, lens, and sublens measurement


AMY-XX-S2


AMY-XX-RS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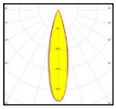
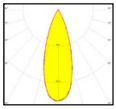
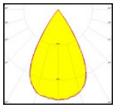

AMY-XX-M


AMY-XX-W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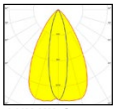
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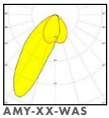
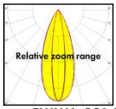

AMY-XX-WAS

AMY-XX-ZOOM



typ. FWHM: 20°-50°

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

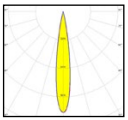
YASMEEN

www.ledil.com/yasmeen

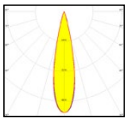
TESTED FOR TUNABLE WHITE HEKLA

Compatibility:
– Ø35 mm: LES 3-6 mm
– Ø50 mm: LES 6-10 mm
– Ø70 mm: LES 10-14.5 mm
– LEDiL HEKLA (with holder C), page 43
– 35 mm B+W and BJB connectors (with holder B)

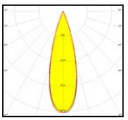
name		d	h	typ. FWHM	typ. eff.	typ.cd/lm
YASMEEN-XX-RS	NEW	70	39.9	14	90	15
YASMEEN-XX-S		35 / 50 / 70	18 / 30.5 / 39.9	15	85	8.0
YASMEEN-XX-M		35 / 50 / 70	18 / 30.5 / 39.9	24	85	5.0
YASMEEN-XX-W		35 / 50 / 70	18 / 30.5 / 39.9	36	85	2.0
YASMEEN-XX-WW		35 / 50 / 70	18 / 30.5 / 39.9	60	85	1.0
YASMEEN-XX-ZOOM		52.5 / 72.9	37 / 49.1	15 to 45	80	6-1



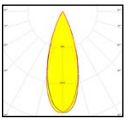
YASMEEN-
70-RS



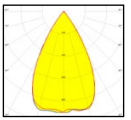
YASMEEN-
35/50/70-S



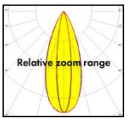
YASMEEN-
35/50/70-M



YASMEEN-
35/50/70-W



YASMEEN-
35/50/70-WW



YASMEEN- 50/70-ZOOM
typ. FWHM: 15°-45°

The information contained herein is the property of Ledil Oy, Joensuunkatu 13, FI-24100 SALO, Finland, and is subject to change without prior notice. Please visit ledil.com for additional information, such as the latest photometric files, 3D mechanical models, and application notes relating to handling, gluing and taping.

Single lenses

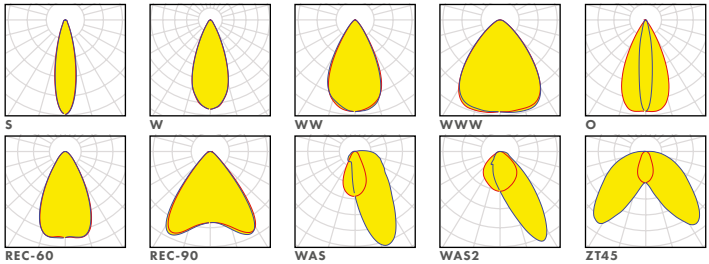
RONDA

www.ledil.com/ronda

HEKLA

Compatibility:
– LES sizes up to 16 mm, asymmetric up to 14.5 mm
– LEDiL HEKLA (with holder C), page 43
– 50 mm B+W and BJB connectors (with holder B)
– LEDiL A-interface baseparts (with holder A), page 42
– B+W connectors with LEDiL A-interface (with holder A)

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	extra² 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



FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

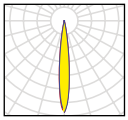
ILONA

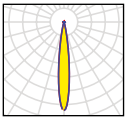
www.ledil.com/ilona

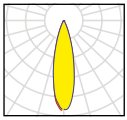
TESTED FOR TUNABLE WHITE HEKLA

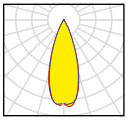
Compatibility:
– Optimized for 6-9 mm and compatible with up to 14.5 mm LES size COBs
– wLEDiL HEKLA, page 43

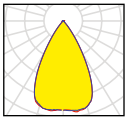
name	d	h	typ. FWHM	typ. eff.	typ.cd/lm
ILONA-RS	50	29.2	10	94	15.0
ILONA-SS	50	29.3	14	90	12.0
ILONA-M	50	29.7	25	92	4.5
ILONA-W	50	29.7	36	89	2.0
ILONA-WW	50	29.4	57	84	1.0
ILONA-ZOOM	52.5	33.2	13 to 48	82	9.5-1.0


ILONA-RS

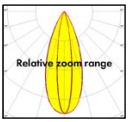

ILONA-SS


ILONA-M


ILONA-W


ILONA-WW

ILONA-ZOOM



typ. FWHM: 13°-48°

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Single lenses

CARMEN-50

WINNIE-M

WINNIE-M-C

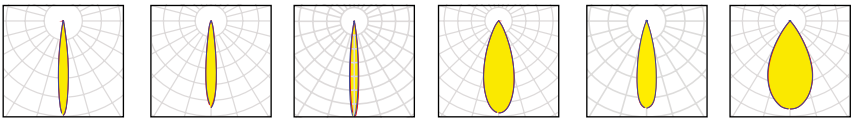
CARMEN

www.ledil.com/carmen

HEKLA

Compatibility:
– CARMEN-50: LES sizes up to 10 mm
CARMEN-70: LES sizes up to 11 mm
– LEDiL HEKLA (with holder C), page 43
– 40 mm BJB connectors (with holder B)
– CARMEN-70-SHD: CARMEN-RS and -SS

name	beam type	h	d	typ. eff.	typ. cd/lm
CARMEN-50/70-RS	real spot	25.5 / 36.3	50 / 70	70	11
CARMEN-50/70-S	spot	25.5 / 36.3	50 / 70	75	6
CARMEN-50/70-M	medium	25.5 / 36.3	50 / 70	80	2.2
CARMEN-70-M2	medium	36.3	70	70	4
CARMEN-50/70-W	wide	25.5 / 36.3	50 / 70	80	1,5
CARMEN-50/70-RS-WHT	real spot	25.5 / 36.3	50 / 70	85	11
CARMEN-50/70-S-WHT	spot	25.5 / 36.3	50 / 70	88	6
CARMEN-50/70-M-WHT	medium	25.5 / 36.3	50 / 70	88	2.2
CARMEN-50/70-W-WHT	wide	25.5 / 36.3	50 / 70	88	1.5


RS S SS M M2 W

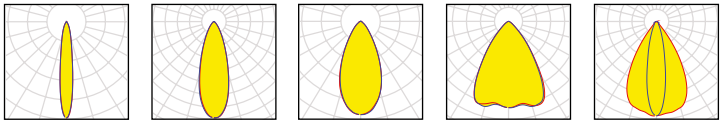
WINNIE

www.ledil.com/winnie

HEKLA

Compatibility:
– COBs with LES sizes up to 21 mm
– LEDiL HEKLA (with holder C), page 43
– B+W mica connectors (with WINNIE holder)

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	19.3	49.8	35	86	1.8
WINNIE-W	wide	19.3	49.8	50	88	1.3
WINNIE-WW	extra wide	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

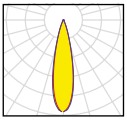
FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

MOLLY

www.ledil.com/molly

Compatibility:
– Optimized for 14.5 mm LES and compatible up to 19 mm LES
– LEDiL A-interface baseparts, page 42
– B+W connectors with LEDiL A-interface
– 50 mm B+W and BJB connectors (with MOLLY-B variants)

name	beam type	h	d	typ. FWHM	typ. eff.	typ. cd/lm
MOLLY-S	spot	24.8	69.8	25	87	4
MOLLY-M	medium	23.6	69.8	37	89	2
MOLLY-W	wide	22.1	69.8	60	60	1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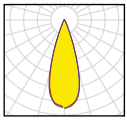
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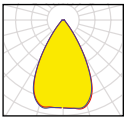
W

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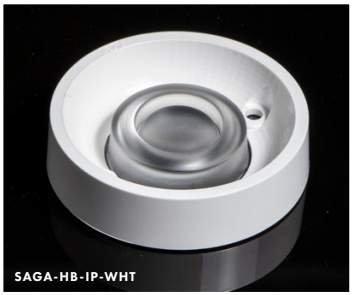
Single lenses


SAGA-HB-IP-WHT

ZORYA-MINI / ZORYA

OLGA-S

SAGA

www.ledil.com/saga

UV-A-B

Compatibility:
– COB's with LES sizes up to 14 mm
– 3rd 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

UV-A-B-C

HEKLA

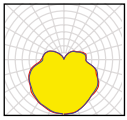
Compatibility:
– ZORYA-SC: LES sizes from 6 mm to 24 mm
– LEDiL HEKLA (with adapter C), page 43
– 50 mm B+W and BJB connectors (with adapter B)
– ZORYA-MINI: For high power LEDs up to 7070 size packages

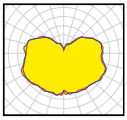
ZORYA

name		h	d	typ. eff.	typ. FWHM	typ. cd/lm
ZORYA-SC		35	55	94	245	0.15
ZORYA-SC-B	BJB 47.319.2021 compatible	35	55	94	245	0.15
ZORYA-SC-C	HEKLA compatible	35	55	94	245	0.15

ZORYA-MINI

name		h	d	typ. eff.	typ. FWHM	typ. cd/lm
ZORYA-MINI		14.6	22	94	145	0.15


ZORYA-SC

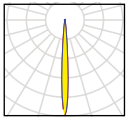

ZORYA-MINI

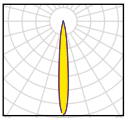
OLGA

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
YASMEEN-30-RS	30 / 32	18.2 / 18.9	14	90	22.7
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-WW	30 / 32	18.5 / 19.1	60	85	0.8
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


RS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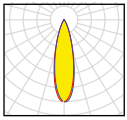
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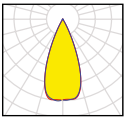
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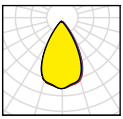
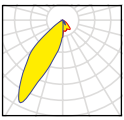

WW


WAS

O

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

SATU

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 + 22	86	2.5

CUTE

www.ledil.com/cute

CUTE-3

Compatibility: Up to 5050 size packages

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

GT3

www.ledil.com/gt3

Compatibility: Up to 3535 size LED packages

GT3-S	spot	3	9	35	18	90	4.5
GT3-M	medium	3	9	35	30	89	2.2
GT3-W	wide	3	9	35	40	88	1.6
GT3-WW	extra wide	3	9	35	47	90	1.1

GT4

www.ledil.com/gt4

Compatibility: Up to 3535 size LED packages

GT4-S	spot	4	9	35	21	90	3.3
GT4-M	medium	4	9	35	28	88	2.5
GT4-W	wide	4	9	35	38	89	1.7
GT4-WW	extra wide	4	9	35	53	90	1.1

SATU-O

CUTE

GT3-M

GT4

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Multi-lens arrays

ANGIE

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	spot		10.7	34	12	93	11.8
ANGIE-M2	medium		10.7	34	26	88	3.3
ANGIE-W	wide		10.7	34	29	84	2.4

TAMPA

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	medium	7	11.4	38	20	90
NIS83-MX-7-W	wide	7	11.4	38	37	89
NIS83-MX-7-WW	extra wide	7	11.4	38	57	87

ANNA

www.ledil.com/anna

Compatibility: Up to 3535 size LED packages

ANNA-40

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

ANNA-50

ANNA-50-3-S	spot	3	50	10.7	15	91	8.5
ANNA-50-7-S		7					
ANNA-50-3-M	medium	3	50	10.7	22	88	3.7
ANNA-50-7-M		7					
ANNA-50-3-W		3					
ANNA-50-4-W	wide	4	50	10.7	32	86	1.9
ANNA-50-6-W		6					
ANNA-50-7-W		7					

ANGIE-S

NIS83-MX-7-M

ANNA-40-7-M

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination. Go to ledil.com for LED specific values and product datasheets.

TUIJA

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

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/virpi

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	75 x 75	15	94	7.5
VIRPI-M	medium	25	9.4	75 x 75	29	92	2.7
VIRPI-W	wide	25	9.4	75 x 75	42	91	1.6

IDA

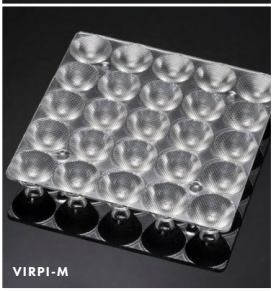
www.ledil.com/ida

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

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Multi-lens arrays

FLORENTINA

www.ledil.com/florentina

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

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

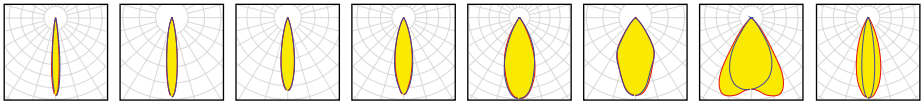
Compatibility: LEDiL standard ROSE lenses up to 5050 size and ROSE-MRK lenses up to 7070 size LED packages

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

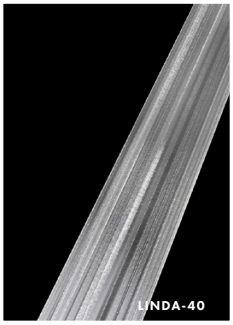
FLORENTINA-4X1

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

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



FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.



LINDA

www.ledil.com/linda

LINDA-40

Compatibility: Single row mid-power up to 40 mm wide Zhaga PCBs

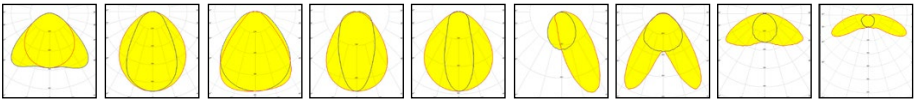
name	beam type	h	d *	typ. FWHM	typ. eff.	typ. cd/lm
LINDA-40-WW	wide	9	40 x 1140	90	88	0,4
LINDA-40-W	wide	9	40 x 1140	60	84	0,6
LINDA-40-O	oval	9	40 x 1140	86 + 40	87	1
LINDA-40-ZT25	asymmetric	9	40 x 1140	asymm.	83	0,6
LINDA-40-Z2T25	double asymmetric	9	40 x 1140	asymm.	84	0,4

* Custom lengths available upon request valid for LINDA-10, LINDA-24 and LINDA-40

LINDA-24

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

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-Z2T25	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

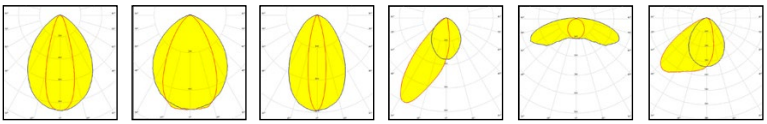


LINDA-10

NEW

Compatibility: 8-10 mm LED strips and 2835, 3030 and 5630 mid power LEDs

LINDA-10-M	medium	5.1	12.5 x 1140	40 + 85	84	0.7
LINDA-10-W	wide	5.1	12.5 x 1140	55 + 95	87	0.6
LINDA-10-O	oval	7.2	12.5 x 1140	35 + 85	80	0.9
LINDA-10-ZT25	asymmetric	6.1	12.5 x 1140	asymm.	84	0.55
LINDA-10-UP	wide-area lighting	10.3	12.5 x 1140	145 + 100	80	0.25
LINDA-10-F	double asymmetric	5.6	12.5 x 1140	asymm.	80	0.5



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Linear lenses

FLORENCE

www.ledil.com/florence

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		

FLORENCE2

Compatibility: All Zhaga 3R PCBs including 2ft PCBs

FLORENCE2-Z90	extra wide	85	94	0.6
FLORENCE2-Z60	wide	52	92	1.2

FLORENCE-3R-IP

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

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

FLORENCE-1R-GC

Compatibility: Mid-power LEDs up to 5630 package size

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-1R

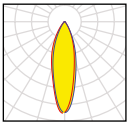
Compatibility: Mid-power LEDs up to 5630 package size

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-Z2T25	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		

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

www.ledil.com/florence

FLORENCE-3R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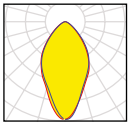
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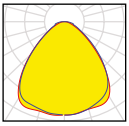
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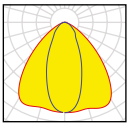
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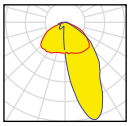
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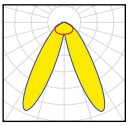
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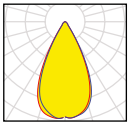
FLORENCE2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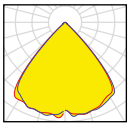
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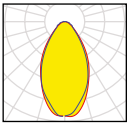
FLORENCE-3R-IP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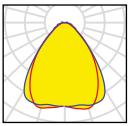
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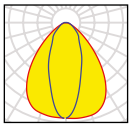
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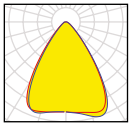
FLORENCE-1R-GC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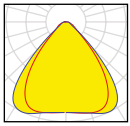
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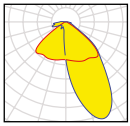
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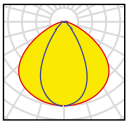
FLORENCE-1R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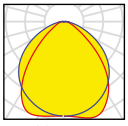
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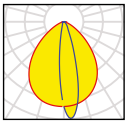
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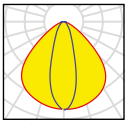
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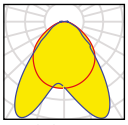
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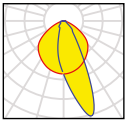
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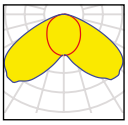
1R-UP

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Linear lenses

CLAUDIA

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.	typ. cd /lm
CLAUDIA-60	9.6	279.3 x 29.3	60	94	1.2
CLAUDIA-90	8.1	279.3 x 29.3	81	94	0.6
CLAUDIA-Z2T25	13.6	279.3 x 29.3	asymm.	91	0.4

VIOLET

www.ledil.com/violet

UV-A-B-C

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

Compatibility: Typical horticultural 3535 HP LEDs

name	h	d	typ. FWHM	typ. eff.	typ. cd/lm
DAHLIA-TL110	11	321 x 79	120	94	0.3

VANESSA

www.ledil.com/vanessa

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	4.5
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

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

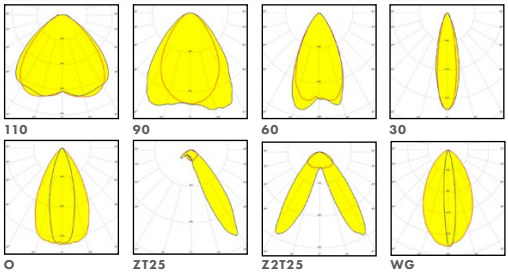
www.ledil.com/linnea

LINNEA

LINNEA-GC2

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.	typ. cd /lm
LINNEA-GC2-110	15.2	284 x 43	110	88	0.35
LINNEA-GC2-90	15.2	284 x 43	90	88	0.5
LINNEA-GC2-60	15.2	284 x 43	60	93	0.9
LINNEA-GC2-30	15.2	284 x 43	30	92	2.5
LINNEA-GC2-O	15.2	284 x 43	30 + 60	93	1.3
LINNEA-GC2-ZT25	15.2	284 x 43	asymm.	86	1.1
LINNEA-GC2-Z2T25	15.2	284 x 43	asymm.	86	0.6
LINNEA-GC2-WG	15.2	284 x 43	asymm.	90	1.8



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.

LINNEA-GC-90	9.5	285 x 40	90	85	0.5
LINNEA-GC-60	12.2	285 x 40	60	93	0.8
LINNEA-GC-O	12.8	285 x 40	73 + 43	91	0.8

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

LINNEA-60 *	12	285 x 40	60	85	0.6
LINNEA-90 *	9.5	285 x 40	90	85	0.4
LINNEA-O *	12	285 x 40	35 + 70	81	0.7
LINNEA-Z2T25 *	10.3	285 x 40	asymm.	87	0.5
LINNEA-ZT25 *	9.5	285 x 40	asymm.	80	0.7
LINNEA-UP	10.3	285 x 40	asymm.	79	0.3

* B-version available

LINNEA-2R

LINNEA-2R-O	8.6	567 x 40	90 + 30	94	1

LILIAN

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.	typ. cd/lm
LILIAN-ON	14.8	286 x 27	10 + 60	92	1.5

SHELLY

www.ledil.com/shelly

Compatibility: Up to 3535 size LED packages

name	h	d	typ. FWHM	typ. eff.	typ. cd/lm
SHELLY-T-6X1-N	7	119.8 x 19.6	asymm.	94	0.5
SHELLY-T-6X1-WAS	7.6	119.8 x 19.6	asymm.	94	0.9

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Linear lenses

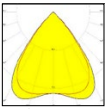
DAISY

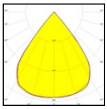
www.ledil.com/daisy

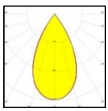
TESTED FOR TUNABLE WHITE

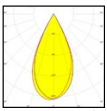
Compatibility:
– Optimised for 2835 and compatible with up to 5630 size mid-power LED packages
– Recommended to be used with two LEDs per one optic which can be up to 5630 in size
– Can be used with single domeless 5050 size LED packages
– Compatible with up to 4 ft long PCBs
– Colours: black and white (gloss or matt), also available with metallized shade
– Lenses: clear or diffused

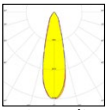
name	h	d	typ. FWHM	typ. eff. *	typ. cd/lm
DAISY-28X1					
DAISY-28X1-W2	20.2	1140 x 40	50	89	1.5
DAISY-28X1-W	20.2	1140 x 40	50	86	1.2
DAISY-28X1-WW	20.2	1140 x 40	80	85	0.6
DAISY-7X1					
DAISY-7X1-M	20.3	280 x 40	25	86	1.5
DAISY-7X1-W2	20.3	280 x 40	50	89	1.5
DAISY-7X1-W	20.3	280 x 40	56	86	1.5
DAISY-7X1-WW	20.3	280 x 40	80	85	0.6
DAISY-7X1-O	20.3	280 x 40	30 + 70	75	1.2
DAISY-7X1-BW NEW	20.3	280 x 40	asymm.	72	0.5
DAISY-7X1-FT-D	20.3	280 x 40	asymm.	72	0.5
DAISY-7X1-ZT25	20.3	280 x 40	asymm.	72	1.5
DAISY-7X1-WAS	20.3	280 x 40	asymm.	79	1.2
DAISY-2X2					
DAISY-2X2-W	21	80 x 80	55	86	1.2
DAISY-2X2-WW	21	80 x 80	80	85	0.6
DAISY-4X1					
DAISY-4X1-W	20.2	182 x 40	50	86	1.2
DAISY-4X1-WW	20.2	182 x 40	80	85	0.6
DAISY-8X1					
DAISY-8X1-M	20.3	305 x 38	27	86	1.5
DAISY-8X1-W	20.3	305 x 38	50	86	1.2
DAISY-8X1-WW	20.3	305 x 38	80	85	0.6

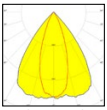

DAISY-7X1-BW

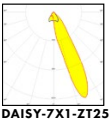

DAISY-XXX-WW

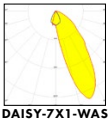

DAISY-XXX-W

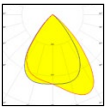

DAISY-7X1-W2


DAISY-7X1/8X1-M


DAISY-7X1-O


DAISY-7X1-ZT25


DAISY-7X1-WAS


DAISY-7X1-FT-D

* typ eff values measured using black shades

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

BRIANNA

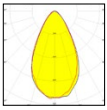
COMING

www.ledil.com/brianna

TESTED FOR TUNABLE WHITE

Compatibility:
– Can be used with or without shade
– Optimised for 2835 2x2 LED clusters
– Colours: black with matt or gloss finish
– Fastening methods with installation clip, side clip fastening, and top flange fastening

name	h	d	typ. FWHM	typ. eff.	typ. cd/lm
BRIANNA-7X1					
BRIANNA-7X1-W	13.4	280 x 36	60	85	0.8
BRIANNA-14X1					
BRIANNA-14X1-W	13.4	560 x 36	60	85	0.8
BRIANNA-28X1					
BRIANNA-28X1-W	13.4	1120 x 36	60	85	0.8



BRIANNA-7X1/14X1/28X1-W

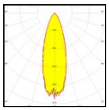
DAISY-MINI

www.ledil.com/daisy-mini

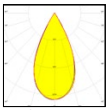
TESTED FOR TUNABLE WHITE

Compatibility:
– Optimised for 2835 and compatible with up to 5630 size mid-power LED packages
– Colours: black and white (gloss or matt), also available with metallized shade
– Lenses: clear or diffused

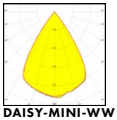
name		h	d	typ. FWHM	typ. eff.	typ. cd/lm
DAISY-MINI-14X1						
DAISY-MINI-M		13.3	280 x 21	30	82	2
DAISY-MINI-W		13.3	280 x 21	50	86	1
DAISY-MINI-WW		13.3	280 x 21	65	84	0.8
DAISY-MINI-WWW-D		13.3	280 x 21	65	74	0.7
DAISY-MINI-FT-D	NEW	13.1	280 x 21	asymm.	70	1
DAISY-MINI-3X1						
DAISY-MINI-3X1-W	NEW	13.3	60 x 21	54	84	0.9
DAISY-MINI-3X1-WW	NEW	13.3	60 x 21	65	82	0.6



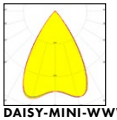
DAISY-MINI-M



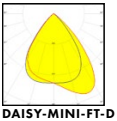
DAISY-MINI-W



DAISY-MINI-WW



DAISY-MINI-WWW-D



DAISY-MINI-FT-D

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Reflectors

ADELIA

ADELY

ADELIA

www.ledil.com/adelia

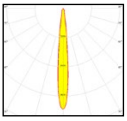
HEKLA

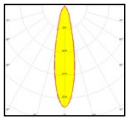
Ø50/70/75/110 mm premium aluminum reflector family ideal for visual perfection

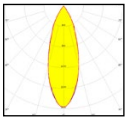
Compatibility:
– Ø50 mm: optimized for 10 mm LES COBs
– Ø70 mm and Ø75 mm: optimized for 14.5 mm LES COBs
– Ø110 mm: optimized for 22 mm LES COBs

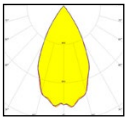
Easy mounting using ADELIA adapters
– LEDiL HEKLA (with adapter C), page 43
– B+W and BJB connectors (with adapter B)
ADELIA-50, -70 and -75: 35 mm B+W and BJB connectors
ADELIA-110: 50 mm B+W and BJB connectors

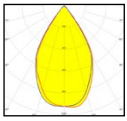
name	beam	h	d	typ. FWHM	typ. eff.	typ.cd/lm
ADELIA-50/70/75/110-S	spot	18 / 43 / 43 / 58	50 / 70 / 75 / 110	15	90	5
ADELIA-50/70/75/110-M	medium	18 / 43 / 43 / 58	50 / 70 / 75 / 110	24	90	3.5
ADELIA-50/70/75/110-W	wide	18 / 43 / 43 / 58	50 / 70 / 75 / 110	36	90	2
ADELIA-50/70/75/110-WW	extra wide	18 / 43 / 43 / 58	50 / 70 / 75 / 110	55	90	1
ADELIA-50/70/75/110-WW2 **NEW**	extra wide	18 / 43 / 43 / 58	50 / 70 / 75 / 110	65	87	0.9


ADELIA-50/70/75/110-S


ADELIA-50/70/75/110-M


ADELIA-50/70/75/110-W


ADELIA-50/70/75/110-WW


ADELIA-50/70-WW2

ADELY

COMING

www.ledil.com/adely

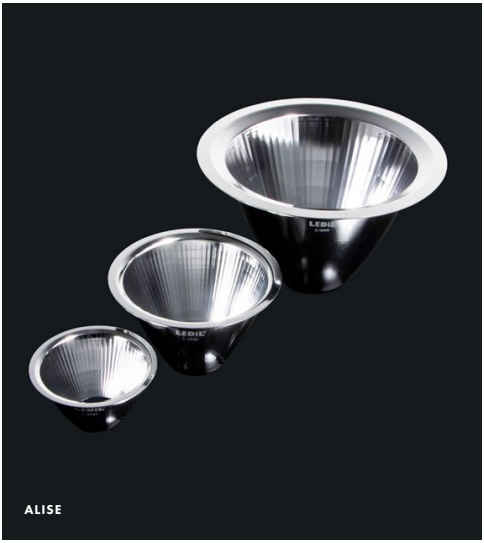
HEKLA

Ø50/70 mm premium aluminum reflector family combinig visual perfection and flexible connectivity with YASMEEN holders
Compatibility:
– Ø50 mm: optimized for 10 mm LES COBs
– Ø70 mm: optimized for 14.5 mm LES COBs
Optimal size for a seamless fit into YASMEEN holders and LEDiL HEKLA interface
– LEDiL HEKLA (with YASMEEN holder C), page 43
– 35 mm B+W and BJB connectors (with YASMEEN holder B)

name	beam	h	d	typ. FWHM	typ. eff.	typ.cd/lm
ADELY-50/70-S	spot	27 / 39	50 / 70	15	88	5
ADELY-50/70-M	medium	27 / 39	50 / 70	24	89	3
ADELY-50/70-W	wide	27 / 39	50 / 70	36	90	2
ADELY-50/70-WW	extra wide	27 / 39	50 / 70	55	90	1

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

ELLA


ALISE

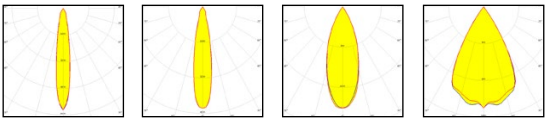
ELLA

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

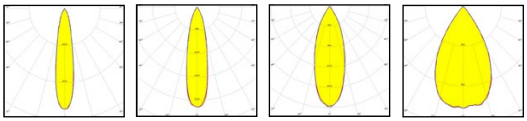
ALISE-50, -70, -110

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

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Reflectors

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

Compatible with LEDiL HEKLA, page 43
Compatibility: COBs with LES size up to 19 mm

HEKLA

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				

TESTED FOR TUNABLE WHITE

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

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination. Go to ledil.com for LED specific values and product datasheets.

MIRELLA

www.ledil.com/mirella

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

MIRELLA-G2

HEKLA

Compatible with LEDiL HEKLA, page 43
Compatibility: COBs with LES size up to 14 mm

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				

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
– LEDiL PF-interface baseparts, page 42
– B+W connectors with LEDiL PF-interface baseparts, 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

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Reflectors

BARBARA

www.ledil.com/barbara

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

BARBARA-G2

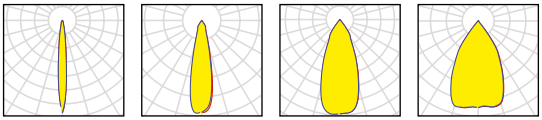
Compatible with LEDiL HEKLA, page 43
Compatibility: COBs with LES size up to 18 mm

HEKLA

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				

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
– LEDiL PF-interface baseparts, page 42
– B+W connectors with LEDiL PF-interface baseparts, 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					

BARBARA-G2

BARBARA-PF

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

LENA / LENINA

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

LENA

www.ledil.com/lena

Compatibility:
– COBs with LES size up to 35 mm
– LEDiL LENA/LENINA baseparts, page 42
– B+W connectors with LEDiL LENA/LENINA interface

name	beam type	d	h	typ. FWHM	typ. eff.	typ. cd/lm
LENA-S	spot	111	86	11	85	7.6
LENA-SS	smooth spot	111	86	18	82	5.0
LENA-M	medium	111	86	22	83	2.5
LENA-W	wide	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/lenina

Compatibility:
– COBs with LES size up to 35 mm
– Available with lacquer or HMDS aluminium coating
– Easy twist and lock latching mechanism
– LEDiL LENA/LENINA baseparts, page 42
– B+W connectors with LEDiL LENA/LENINA interface

name	beam type	d	h	typ. FWHM	typ. eff.	typ. cd/lm
LENINA-S	spot	74	46	19	88	4.5
LENINA-M	medium	74	46	31	87	2.1
LENINA-W	wide	74	46	53	87	1.1
LENINA-XW	extra wide	74	46	73	89	0.6
LENINA-S-HMDS	spot	74	40	22	93	3.7
LENINA-M-HMDS	medium	74	40	37	93	1.9
LENINA-W-HMDS	wide	74	40	65	91	0.9
additional accessories						
LENINA-DL	diffuser lens					
LENINA-CL	clear lens					

LENA

LENINA

The information contained herein is the property of Ledil Oy, Joensuunkatu 13, FI-24100 SALO, Finland, and is subject to change without prior notice. Please visit ledil.com for additional information, such as the latest photometric files, 3D mechanical models, and application notes relating to handling, gluing and taping.

Reflectors

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

ANGELA

www.ledil.com/angela

Compatibility:
– COBs with LES size up to 32 mm
– LEDiL A-interface baseparts, page 42
– B+W connectors with LEDiL A-interface
– 50 mm B+W and BJB connectors (B variants)

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

Compatibility:
– COBs with LES size up to 32 mm
– LEDiL A-interface baseparts, page 42
– B+W connectors with LEDiL A-interface
– 50 mm B+W and BJB connectors (B variants)

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

Compatibility:
– COBs with LES size up to 32 mm
– LEDiL A-interface baseparts, page 42
– B+W connectors with LEDiL A-interface
– 50 mm B+W and BJB connectors (B variants)

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	asymm	97x 83	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					

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

MINNIE

www.ledil.com/minnie

Available with or without holder. Diameter 35 mm (32.4 mm without holder), typical height ~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	extraw 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

MINNIE-LT MINNIE with holder

BOOM

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

BOOM-XW

BRIDGET

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

Compatibility: Up to 5050 size LED packages

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

RITA-WAS

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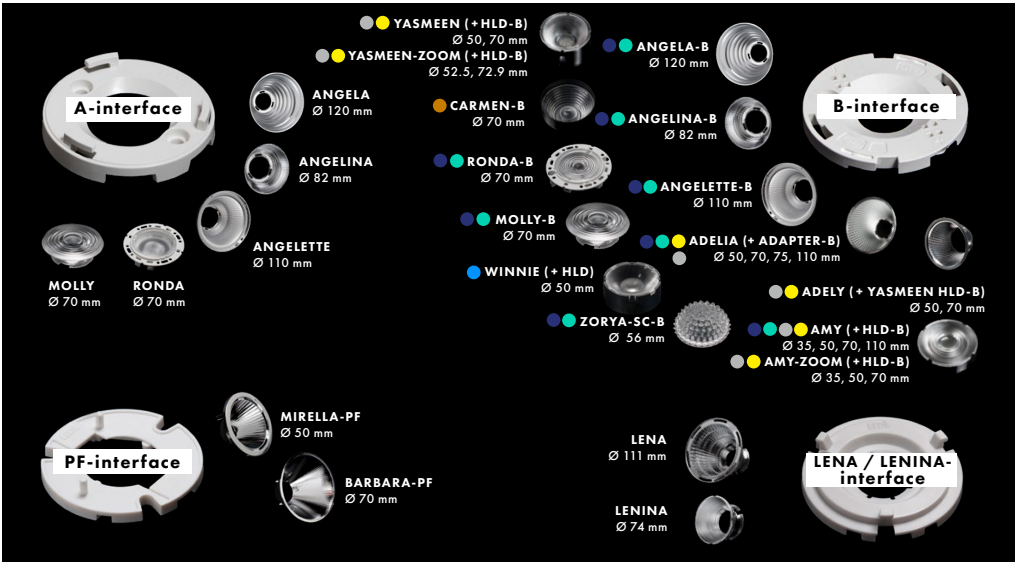
Baseparts



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-CLL030
C12692_LENA-STD-BASE-CLL040

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 (3rd party)

TE: Z50 STD PROFILE + TE OPTIC CLIP Z50 TYPE1
Osram PrevaLED 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
Bender+Wirth COB HOLDER HYBRID 630 - 3Hook

B-interface (3rd party)

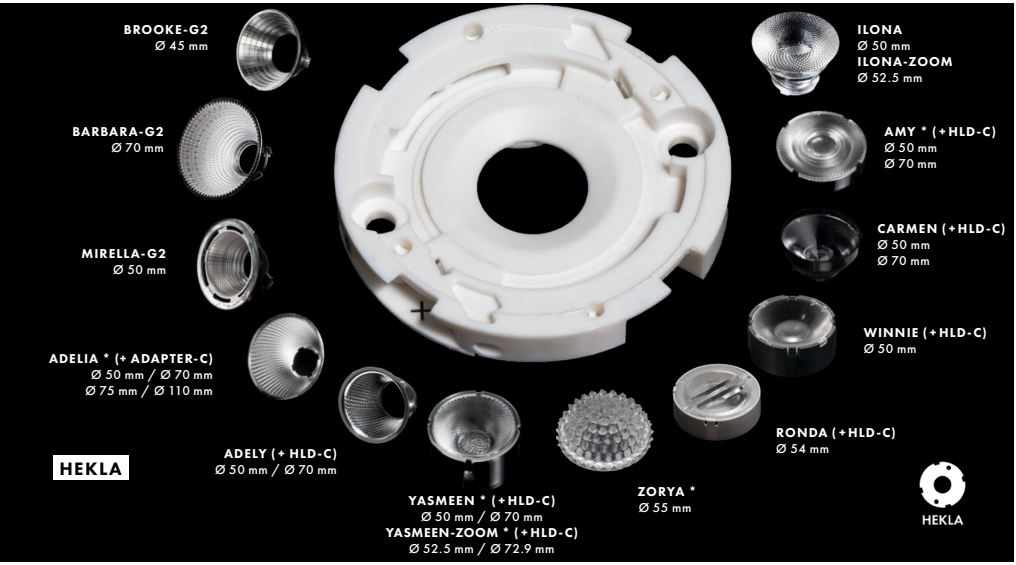
B+W COB holder hybrid 6xx Bayonet35L
B+W 6xxz Bayonet50
B+W 4xx Typ L5
BJB 47.360.1xxx
BJB 47.319.2xxx
BJB 47.319.6xxx

LENA/LENINA interface (3rd party)

Bender+Wirth COB HOLDER HYBRID 630 - Lena

* 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, Tridonic SLE

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.



HEKLA connectors, sockets and accessories

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	Vero 10
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
HEKLA-SOCKET-VERO18	Vero 13, 18 and B&W 4xx /Typ-L1
XTM-ADAPTER-50-B & -C	
accessories	
HEKLA-RZ-LENS	Colour mixing sublens for tunable white lighting

HEKLA 3rd party connectors

Bender+Wirth COB HOLDER HYBRID 630 - Hekla

* Compatible with HEKLA-RZ colour mixing sublens

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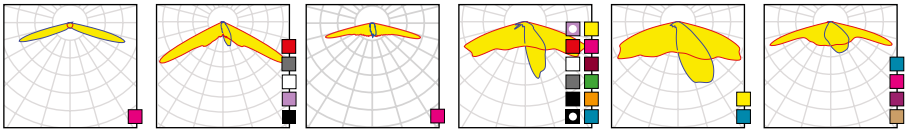
Street & Area lighting



T1
IESNA Type I (medium)

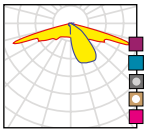
T1-A
IESNA Type I (short)

T1-M
IESNA TypeI (medium) beam for European P-class standard

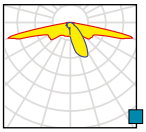
T2
IESNA Type II (medium)

T2-B
IESNA Type II, minimized house side backlight

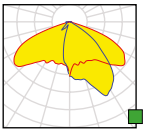
T2-C
IESNA Type II, added house side backlight



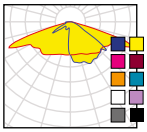
T2-M
IESNA Type II (medium)



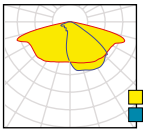
T2-L
IESNA Type II (long)



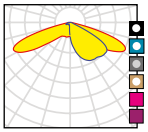
T2-S
IESNA Type II (short)



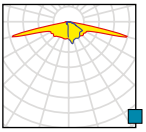
T3
IESNA Type III (medium)



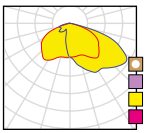
T3B / T3-B
IESNA Type III (medium), minimized backlight



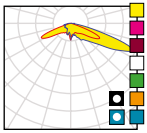
T3-M
IESNA Type III (medium)



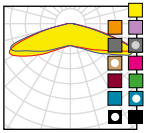
T3-L
IESNA Type III (long)



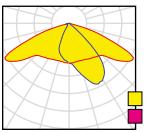
T4
IESNA Type IV



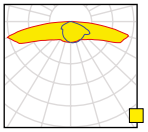
T4-B
IESNA Type IV, forward throw beam



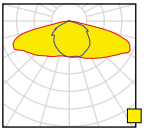
VSM
IESNA Type V (square)



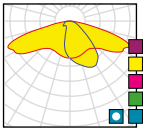
A-T
Short IESNA Type II



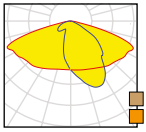
ANZ-P
Pedestrian lighting in Australia & New Zealand



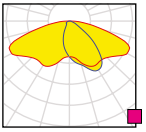
ANZ-V
Vehicular road lighting in Australia & New Zealand



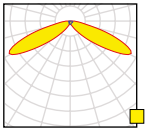
DWC / T-DWC
Universal road lighting (Typ. IESNA Type III Medium)



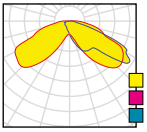
DWC2
Universal road lighting (Typ. IESNA Type III Medium)



DNW
Soft wide beam with good illuminance uniformity

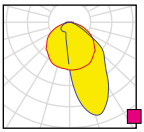


DW / T-DW
Soft wide beam with good illuminance uniformity

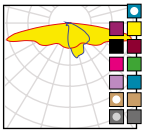


FW
Wide light distribution, residential streets, staggered pole setup

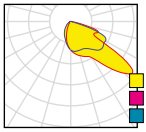
FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.



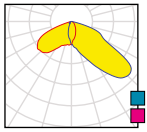
NHS
narrow beam,
minimal house side light



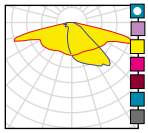
SCL
Type II/III (long),
ideal for pedestrian paths
and residential roads



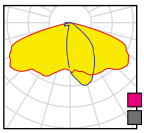
PX
Double asymm.,
pedestrian crossings,
right side traffic



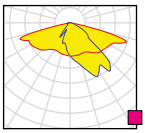
PXL
Double asymm.,
pedestrian crossings,
left side traffic



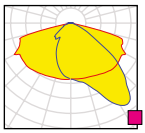
ME
Excellent longitudinal
luminance uniformity
fulfilling EN13201
M-class requirements



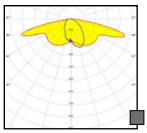
ME-N
Designed for high poles,
fulfilling EN13201
M-class requirements



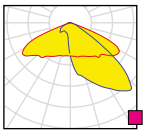
ME-WIDE1
Fulfilling EN13201 M-class
requirements, added
house side backlight



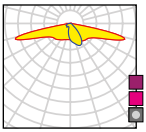
ME-WIDE2
For staggered pole
setups fulfilling EN13201
M-class requirements



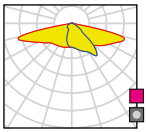
M3
For ultra-long pole distances
with excellent longitudinal
luminance uniformity



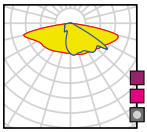
MEW
Extremely low glare
fulfilling EN13201 M-class
requirements for wet road
surfaces in North Europe



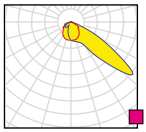
LN1
For EN13201 M-class
requirements with high
poles or where road width
≤ the pole height



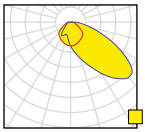
LM1
For EN13201 M-class
requirements where road
width ≥ the pole height



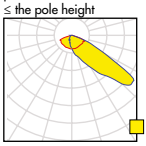
LW1
For EN13201 M-class
requirements where road
width > the pole height



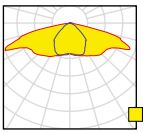
FN
Narrow forward throw
beam for area lighting



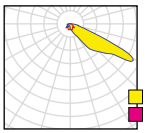
FT
Forward throw beam for
area lighting



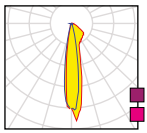
FS
Forward throw beam for
area lighting



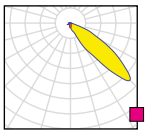
FS2
For symmetrical tunnel
lighting and parking
garages, ideal for
catenary street lighting



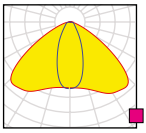
FS3
Forward throw beam
optimized for European
tunnels, extremely efficient
lighting with counter-beam
method



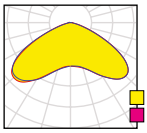
FR
Asymmetric spot light
beam for floodlighting
railway tracks according
to Russian normative



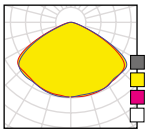
TF
Narrow forward throw
beam optimized for
European tunnels



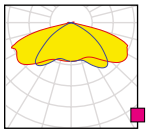
B2
For area lighting and
applications demanding
a wide oval beam pattern



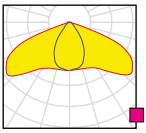
C
For area and street
lighting such as parks
and pedestrian walkways



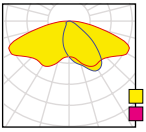
CY
For canopy lighting with
batwing light distribution,
suitable for symmetrical
tunnel lighting



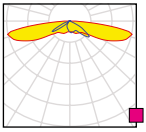
CAT
Catenary street light
beam optimized for
EN13201 M-classes



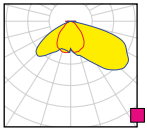
CAT-B
Narrow catenary street
light beam optimized for
EN13201 M-classes and
tilted poles



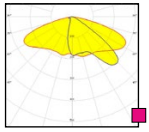
DN / T-DN
For area lighting with
shorter illumination
distances



XW
Wide beam



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



J1
Low glare street lighting optic for European and Japanese requirements.

The information contained herein is the property of Ledil Oy, Joensuunkatu 13, FI-24100 SALO, Finland, and is subject to change without prior notice. Please visit ledil.com for additional information, such as the latest photometric files, 3D mechanical models, and application notes relating to handling, gluing and taping.

www.ledil.com/strada

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	asymm.
STRADA-T-DW-EP	19.6 x 15.5	10.7	92	asymm.
STRADA-DN	19.6 x 15.5	5.9	92	107 x 58
STRADA-T-DN	19.6 x 15.5	8.9	92	asymm.
STRADA-T-DN-EP	19.6 x 15.5	8.8	91	asymm.
STRADA-FT	19.6 x 15.5	8.3	91	asymm.
STRADA-FW	19.6 x 15.5	10.9	92	asymm.
STRADA-K	19.6 x 15.5	8.7	96	asymm.
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	asymm.

STRADA-SQ **PATENTED**

Compatibility: Up to 7070 sized LED packages

name	dimensions	height	typ. eff.	typ. FWHM
STRADA-SQ-ANZ-P	25 x 25	8.1	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	10.4	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	11.9	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	zasymm.
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-SCL	25 x 25	9.1	94	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.

* Available also with beam direction rorated 90°

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

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	7.8	94	asymm.
STRADA-2X2-T2 **	50 x 50	7.7	94	asymm.
STRADA-2X2-T2-C	50 x 50	7.3	94	asymm.
STRADA-2X2-T2-M **	50 x 50	11.9	94	asymm.
STRADA-2X2-T3 * / **	50 x 50	7	94	asymm.
STRADA-2X2-T3-M	50 x 50	9.7	93	asymm.
STRADA-2X2-T4	50 x 50	7	94	asymm.
STRADA-2X2-T4-B **	50 x 50	9.0	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	10.2	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	6.1	94	150
STRADA-2X2-CAT	50 x 50	6.2	94	asymm.
STRADA-2X2-CAT-B **	50 x 50	7.7	94	asymm.
STRADA-2X2-SCL **	50 x 50	7.8	94	asymm.
STRADA-2X2-FW	50 x 50	11	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	8.1	94	asymm.
STRADA-2X2-XW	50 x 50	7	94	asymm.
STRADA-2X2-B2-STP	50 x 50	5.2	93	asymm.
STRADA-2X2-C-STP **	50 x 50	6.3	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	8.7	94	asymm.
STRADA-2X2-FS3 **	50 x 50	12	94	asymm.
STRADA-2X2-LN1	50 x 50	7.1	94	asymm.
STRADA-2X2-LM1	50 x 50	7.2	94	asymm.
STRADA-2X2-LW1	50 x 50	7.2	94	asymm.
STRADA-2X2-J1-PC **NEW**	50 x 50	7.1	88	asymm.
STRADA-2X2-T1-M	50 x 50	6.5	94	asymm.
STRADA-2X2-DB	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	7.5	50 x 50	94	asymm.
STRADA-2X2CSP-VSM	7.0	50 x 50	94	150
STRADA-2X2CSP-T2	7.7	50 x 50	94	asymm.
STRADA-2X2CSP-T3	6.5	50 x 50	94	asymm.
STRADA-2X2CSP-T4-B	6.8	50 x 50	94	asymm.
STRADA-2X2CSP-ME	6.6	50 x 50	93	asymm.

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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	50 x 50	9.7	94	asymm.
STRADA-2X2-5050-T2-M	50 x 50	7.2	79	asymm.
STRADA-2X2-5050-T3-M	50 x 50	7.3	92	asymm.
STRADA-2X2-5050-FR	50 x 50	11.8	93	asymm.
STRADA-2X2-5050-SCL	50 x 50	7.1	94	asymm.
STRADA-2X2-5050-DWC	50 x 50	7.4	93	asymm.
STRADA-2X2-5050-LN1 **NEW**	50 x 50	6.5	89	asymm.
STRADA-2X2-5050-LW1 **NEW**	50 x 50	6.5	80	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	12.0	95	asymm.
STRADA-IP-2X6-T2-B-90	173 x 71.4	12.0	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	12.8	94	asymm.
STRADA-IP-2X6-T3-B-90	173 x 71.4	12.8	94	asymm.
STRADA-IP-2X6-T3-L *	173 x 71.4	13	94	asymm.
STRADA-IP-2X6-T4-B *	173 x 71.4	10.6	94	asymm.
STRADA-IP-2X6-DWC *	173 x 71.4	7.9	93	asymm.
STRADA-IP-2X6-DWC-90 *	173 x 71.4	9.0	94	asymm.
STRADA-IP-2X6-DWC-B	173 x 71.4	8.9	94	asymm.
STRADA-IP-2X6-ME *	173 x 71.4	8.4	94	asymm.
STRADA-IP-2X6-VSM *	173 x 71.4	9	94	140
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.
STRADA-IP-2X6-PXL **NEW**	173 x 71.4	10.3	**94**	asymm.

* Available also in PC

STRADA-IP-24 modules **PATENTED**

Compatibility: Flat 5050 size LED packages

name	dimensions	height	typ. eff.	typ. FWHM
STRADA-IP-24-T2-M *	173 x 71.4	9.1	93	asymm.
STRADA-IP-24-T3-M-PC **	173 x 71.4	9.0	88	asymm.
STRADA-IP-24-T4-B***	173 x 71.4	12.0	TBA	asymm.
STRADA-IP-24-DWC*	173 x 71.4	9.0	89	asymm.
STRADA-IP-24-VSM*	173 x 71.4	9.8	91	asymm.
STRADA-IP-24-SCL **COMING**	173 x 71.4	9.0	90	asymm
STRADA-IP-24-ME **COMING**	173 x 71.4	9.0	N/A	asymm

* Available also in PC
** PMMA version coming
*** PC version coming

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	10.1	89

STRADA-2X2-5050

STRADA-IP-2X6

STRADA-IP-24

STRADA-IP-8MX

STRADA-IP-16MX

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

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

Compatibility: CSP LEDs

name	dimensions	height	typ. eff.	typ. FWHM
STRADA-IP-16MX-T2-M	90 x 90	8.6	90	asymm.
STRADA-IP-16MX-T3-M	90 x 90	8.6	90	asymm.
STRADA-IP-16MX-VSM	90 x 90	8.6	90	145
STRADA-IP-16MX-T4	90 x 90	8.6	94	asymm.
STRADA-IP-16MX-SCL	90 x 90	8.6	93	asymm.

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	150
STRADA-2X2MX-8-SCL	90 x 90	13.2	94	asymm.
STRADA-2X2MX-8-T4-B	90 x 90	13.2	94	asymm.
STRADA-2X2MX-8-T2	90 x 90	12.6	94	asymm.
STRADA-2X2MX-8-T2-S	90 x 90	11.1	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	150
STRADA-2X2MXS-T2	90 x 90	12.6	91	asymm.
STRADA-2X2MXS-T3	90 x 90	14.8	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	dimensions	h	typ. eff.	typ. FWHM
STRADA-T-6X1-ME	119.8 x 25.2	8.2	93	asymm.
STRADA-T-6X1-DNW	119.8 x 25.2	5.6	93	asymm.
STRADA-T-6X1-DWC	119.8 x 25.2	5.5	94	asymm.

SITARA

www.ledil.com/sitara

Compatibility: Optimized for 5050 size flat SMD LEDs

name	dimensions	height	typ. eff.	typ. FWHM
SITARA-2X2-T2	50 x 50	9.3	78	asymm.
SITARA-T1-A	18 x 18	5.9	88	asymm.
SITARA-T2	18 x 18	7.7	83	asymm.
SITARA-HB-S	18 x 18	5.0	94	35
SITARA-HB-M	18 x 18	5.7	94	65

TATIANA

www.ledil.com/tatiana

Compatibility: Up to 3535 size LED packages

name	dimensions	height	typ. FWHM	typ. eff.	typ. cd/lm
TATIANA-1X4-B	102 x 25	7.7	144 + 62	94	0.54

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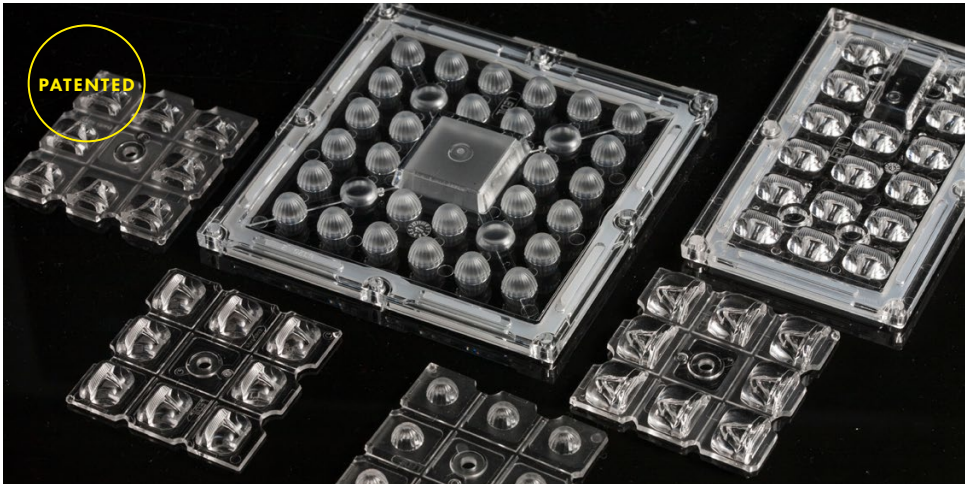

STRADELLA

www.ledil.com/stradella

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	4.7	13.9 x 13.9	115	94	0.3
STRADELLA-T2	asymm.	1	5.0	13.9 x 13.9	asymm.	94	0.8
STRADELLA-T3	asymm.	1	5.0	13.9 x 13.9	asymm.	94	0.7
STRADELLA-T4-B	asymm.	1	5.2	13.9 x 13.9	asymm.	93	0.6
STRADELLA-T1-A	asymm.	1	5.3	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	7.1	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	asymm.	8	5.5	50 x 50	asymm.	94	0.7
STRADELLA-8-HV-ME-N	asymm.	8	6.0	50 x 50	asymm.	92	0.7
STRADELLA-8-HV-ME3 NEW	asymm.	8	5.6	50 x 50	asymm.	93	0.9
STRADELLA-8-HV-CY	wide area lighting	8	4.9	50 x 50	125 + 125	94	0.3
STRADELLA-8-T2 */**	asymm.	8	5.7	50 x 50	asymm.	94	0.8
STRADELLA-8-T3 */**	asymm.	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 */**	asymm.	8	5.5	50 x 50	asymm.	93	0.7
STRADELLA-8-T1-A */**	asymm.	8	5.3	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	7.1	50 x 50	87	94	0.5

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

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

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	7.1	50 x 50	92	94	0.5
STRADELLA-16-HB-O	oval	16	4.3	50 x 50	asymm.	94	0.8
STRADELLA-16-T1-A *	asymm.	16	4.3	50 x 50	asymm.	94	0.8
STRADELLA-16-T2	asymm.	16	4.7	50 x 50	asymm.	91	0.5
STRADELLA-16-T3	asymm.	16	3.7	50 x 50	asymm.	94	0.6
STRADELLA-16-SCL	asymm.	16	4.4	50 x 50	asymm.	94	0.6
STRADELLA-16-VSM	wide area lighting.	16	4.2	50 x 50	140	86	0.5
STRADELLA-16-T4	asymm.	16	5.3	50 x 50	asymm.	81	0.5
STRADELLA-16-ME	asymm.	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	asymm.	16	8.5	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 *	asymm.	28	9.5	100 x 100	asymm.	94	0.8
STRADELLA-IP-28-T2 *	asymm.	28	9.2	100 x 100	asymm.	94	0.8
STRADELLA-IP-28-T3 *	asymm.	28	9.2	100 x 100	asymm.	94	0.7
STRADELLA-IP-28-T4B *	asymm.	28	9.2	100 x 100	asymm.	91	0.7
STRADELLA-IP-28-VSM *	wide area lighting	28	9.5	100 x 100	140	94	0.4
STRADELLA-IP-28-SCL *	asymm.	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

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
STRADELLA-IP-64-VSM *		wide area lighting	64	9.7	253 x 74	140	92	0.6
STRADELLA-IP-64-T3-M	COMING	asymm.	64	9.7	253 x 74	asymm.	91	0.6
STRADELLA-IP-64-T4-B *	NEW	asymm.	64	9.7	253 x 74	asymm.	94	0.6

* Available also in PC

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SPORT

www.ledil.com/sport

SPORT-2X2

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

name		d	h	typ. FWHM	typ. eff.	typ. cd/lm
SPORT-2X2-S1 *		50 x 50	13.6	10	92	9.0
SPORT-2X2-S2 *		50 x 50	14.2	asymm.	97	4.9
SPORT-2X2-S4 *		50 x 50	14.4	asymm.	97	2.9
SPORT-2X2-S6 *		50 x 50	15.5	asymm.	97	1.8
SPORT-2X2-FT4 **	COMING	50 x 50	10.8	asymm.	94	1.6
SPORT-2X2-FT6 *		50 x 50	11.0	asymm.	92	1.2
SPORT-2X2-FT60 *		50 x 50	15.5	asymm.	88	1.3
SPORT-2X2-FT6W *		50 x 50	12.3	asymm.	97	1.1

* Available also in HT (High Temperature PMMA)
** Coming also in HT (High Temperature PMMA)

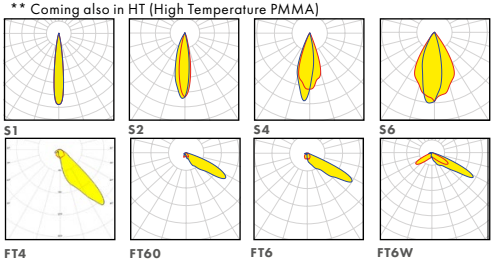
NEW

SPORT-IP-24

Compatibility: Optimised for flat 5050 and compatible with HP 3535 LED packages

SPORT-IP-24-FT6 **	COMING	173 x 71.4	10.8	asymm.	91	1.0
SPORT-IP-24-FT6W**	NEW	173 x 71.4	10.9	asymm.	92	0.7

** Coming also in HT (High Temperature PMMA)



AMBER

PATENTED www.ledil.com/amber

AMBER-2X2

Compatibility: up to 5050 size LED packages

name		d	h	typ. eff.	typ. FWHM
AMBER-2X2-T1		50 x 50	7.8	78	asymm.
AMBER-2X2-T2		50 x 50	7.8	76	asymm.
AMBER-2X2-T3	NEW	50 x 50	7.1	74	asymm.
AMBER-2X2-T4		50 x 50	7.7	79	asymm.
AMBER-2X2-ME		50 x 50	7.1	75	asymm.
AMBER-2X2-ME-WIDE1	COMING	50 x 50	8.9	TBA	asymm.
AMBER-2X2-SCL		50 x 50	7.8	75	asymm.
AMBER-2X2-VSM	NEW	50 x 50	6.1	79	145
AMBER-2X2-DWC	NEW	50 x 50	6.0	80	asymm.
AMBER-2X2-M	COMING	50 x 50	8.5	TBA	TBA
AMBER-2X2-W	NEW	50 x 50	8.5	70	50
AMBER-2X2-WWW	COMING	50 x 50	10.0	TBA	TBA
AMBER-2X2-FT6	COMING	50 x 50	11.0	TBA	asymm.

AMBER-2X2-5050

Compatibility: Flat 5050 size LED packages

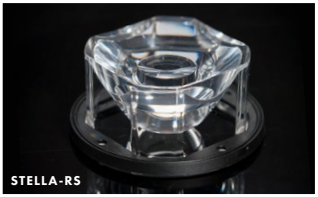
AMBER-2X2-5050-S	COMING	50 x 50	10.4	TBA	TBA

AMBER-8

Compatibility: Up to 3535 size mid- and high-power LEDs

AMBER-8-HB-M	COMING	50 x 50	7.1	TBA	TBA
AMBER-8-HB-W	COMING	50 x 50	7.1	TBA	TBA

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.



STELLA

www.ledil.com/stella

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 (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.

STELLA

UV-A-B-C

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

name	d	h	typ. eff.	typ. FWHM
STELLA-A	90	22	92	asymm.
STELLA-HB	90	19.5	93	76
STELLA-HB-WWW	90	11.3	88	97
STELLA-T4	90	26.9	92	asymm.
STELLA-VSM	90	20.7	94	asymm.
STELLA-FRESNEL	90	23	89	27
STELLA-DWC2	90	19.3	92	asymm.
STELLA-RS	90	39.2	94	25
STELLA-CLAMP-CXA15-18				

JENNY

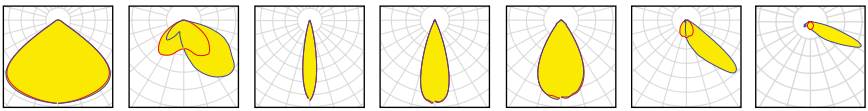
www.ledil.com/jenny

UV-A-B

Comes either as a single lens or in a 8 lens array with possibility to separate lenses individually.
Can be installed with glue oroptional holder.
Compatibility: Up to 7070 size LED packages

name	d	h	typ. eff.	typ. FWHM
JENNY-CY *	35 x 35	11.5	94	106 + 106
JENNY-T4 *	35 x 35	17	92	asymm.
JENNY-CY-G2 *	35 x 35	11.5	94	100
JENNY-T4-G2 *	35 x 35	17	93	asymm.
JENNY-20 *	35 x 35	14.5	96	20
JENNY-40 *	35 x 35	15	96	40
JENNY-60 *	35 x 35	13.4	94	60
JENNY-FT45 *	35 x 35	20.7	92	asymm.
JENNY-FT65 *	35 x 35	15.4	93	asymm.

* Available also in 8 lens array



CY(-G2) T4(-G2) 20 40 60 FT45 FT65

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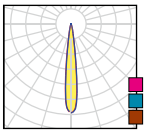
Highbay lighting

Highbay solutions

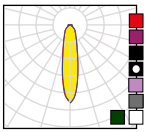
- HB-SQ
- HB-2X2
- HB-2X2-5050
- HB-2X3-5050
- HB-2X2MX
- HB-2X2MXS
- HB-IP-8MX
- HB-IP-24
- HB-IP-2X6
- HB-IP-2X6-G2
- STRADELLA-HB
- STRADELLA-8-HB
- STRADELLA-16-HB
- STRADELLA-IP-28-HB
- STRADELLA-IP-64-HB
- SITARA-HB
- VICTORIA
- VICTORIA- MINI
- STELLA
- AMBER-2X2

~15° High bay



RS

~30° High bay



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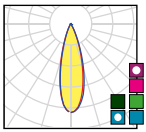

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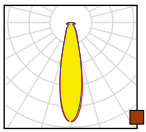
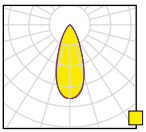


FRESNEL

~45° Mid bay



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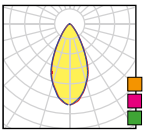

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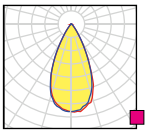
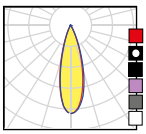


RW

~60° Mid bay



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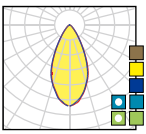

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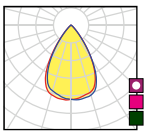

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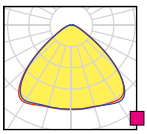
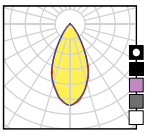


WWW

~90° Low bay



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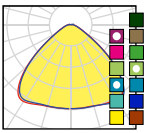
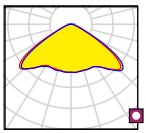


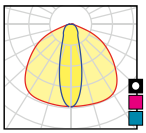
WWW

~120° Low bay

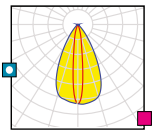


UW

Oval



O



ON

FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination.
Go to ledil.com for LED specific values and product datasheets.

HB FAMILY

www.ledil.com/highbay

HB-SQ
Dimensions: 25 x 25 mm
Compatibility:
– Up to 7070 size LED packages

HB-2X2
Dimensions: 50 x 50 mm
Compatibility:
– Up to 5050 size LED packages

HB-IP-2X6
Dimensions: 173 x 71.4 mm
Compatibility:
– Up to 5050 size LED packages

HB-IP-24 NEW
Dimensions: 173 x 71.4 mm
Compatibility:
– Up to 5050 size LED packages

HB-IP-8MX
Dimensions: 90 x 90 mm
Compatibility:
– Optimized for flat 5050 packages (without dome)

HB-2X2-5050
Dimensions 50 x 50 mm
Compatibility:
– For flat 5050 size LED packages

HB-2X3-5050 NEW
Dimensions 50 x 50 mm
Compatibility:
– For flat 5050 size LED packages

HB-2X2MX & silicone 2X2MXS
Dimensions: 90 x 90 mm
Compatibility:
– Up to 7070 size LED packages

HB-IP-2X6-G2
Dimensions: 172 x 71 mm
Compatibility:
– Optimized for flat high power 5050 size LED packages
– Compatible with up to 5050 size LED packages

STRADELLA FAMILY

www.ledil.com/stradella

STRADELLA-HB
Dimensions: 13.9 x 13.9 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-8-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
Dimensions: 74 x 253 mm
Compatibility:
– Up to 3535 size LED packages

VICTORIA / VICTORIA-MINI

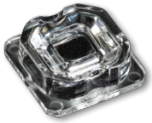
www.ledil.com/victoria

Diameter: 300 mm / 180 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
– Can be used with single domeless 5050 size LED packages

SITARA-HB FAMILY

www.ledil.com/sitara

Dimensions: 18 x 18 mm
Compatibility:
– Optimized for flat high-power 5050 size LED packages



STELLA FAMILY

www.ledil.com/stella

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, B+W and TE

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Custom solutions

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.

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- 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

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- 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

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