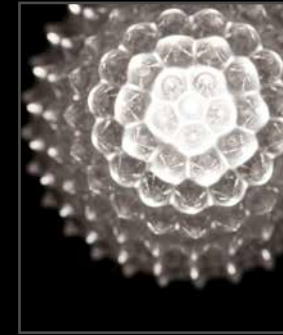


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LIGHT THAT IS RIGHT

LEDiL is the leading optics supplier to lighting manufacturers throughout the world. Finnish design expertise, global production, a global network of distributors supported by local sales teams and free technical support combine to guarantee the best possible solutions, service and customer experience. Our portfolio of over 4000 standard products and unlimited custom solutions together with a "can do, will do" attitude, innovative design and excellent performance make our optics solutions the first choice for demanding applications. Close cooperation with all the leading LED manufacturers allows us to release products alongside the newest LEDs. This means our customers can enjoy rapid development and deployment of new fixtures with the latest technology and be sure we provide the most competitive solutions available today. For more information, please visit www.ledil.com

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▶ ≤10° beam available

PRODUCT FAMILIES & SUGGESTED APPLICATIONS (not all product families listed)	PAGE	INDOOR										OUTDOOR										
		RETAIL & TRACK	DECORATIVE & STAGE	LINEAR	OFFICE	EMERGENCY & SECURITY	WASH LIGHTING	ARCHITECTURAL	RETROFIT	INDUSTRIAL & TECHNICAL	DOWNLIGHT	GENERAL	HORTICULTURAL	STREET LIGHTING	AREA & PARKING LOT	CANOPY	TUNNEL & TRANSPORTATION	FLOOD LIGHT	WASH LIGHTING	ARCHITECTURAL	RETROFIT	
ANGELA / ANGELETTE / ANGELINA	37	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ANGIE	22																					
ANNA	23	•																				
BARBARA	35	•	•																			
BILLIE	10																					
BLONDIE	32																					
BOOM	32																					
BRIDGET	32																					
BROOKE	33	•	•																			
CARMEN	17	•																				
CRYSTAL	15	•																				
CUTE	22																					
DAISY	30																					
DAHLIA	30																					
EMERALD	14																					
EMILY	12																					
EMMA	13																					
EVA	10	•																				
FLARE	15																					
FLORENCE-1R	28																					
FLORENCE (3R)	28	•	•																			
FLORENCE-3R-IP	28																					
FLORENTINA (12X1)	26																					
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GABRIELLA	16	•																				
GERI	16	•																				
GT3 / GT4	22																					
HB-SQ	50																					
HB-2X2	51																					
HB-IP-2X6	51																					
HB-2X2MX / MXS	51																					
HEIDI	12																					
HELENA	14	•																				
IDA	25																					
IRENE	10																					
IRIS	10	•																				
JENNY	48																					
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LISA	6																					
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ASK FOR COMPATIBILITY

● MID-POWER LEDs SMD LED, TYPICAL RATED ELECTRICAL POWER <1W
● HIGH-POWER LEDs SMD LED, TYPICAL RATED ELECTRICAL POWER 1W-3W
● ULTRA-HIGH-POWER LEDs SMD LED, TYPICAL RATED ELECTRICAL POWER 4W-12W
● COB CHIPS ON BOARD - INTEGRATED ARRAYS ON A CERAMIC OR MCPCB
● CSP CHIP SCALE PACKAGE LED, NORMAL MID & HIGH POWER FLIP CHIPS WITHOUT A PACKAGE

SINGLE LENSES

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 x 22	81	2.1



LARISA

LISA-family (www.ledil.com/lisa)

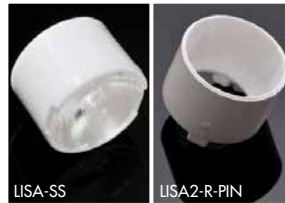
Compatibility: Up to 3535 size LED packages
Versions with CLIP or PIN mounting available

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

Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
LISA2-RS	RS	≈ 6,8	9,9	19	89	3,1
LISA2-M	M	≈ 6,8	9,9	22	89	2,8
LISA2-O	O	≈ 7	≈ 10	45 x 21	82	2,2
LISA2-O-90	O-90	≈ 6,8	9,9	19 x 48	82	2,2
LISA2-W	W	≈ 6,8	≈ 9,9	34	88	1,8
LISA2-WW	WW	≈ 6,8	≈ 9,9	46	89	1,1
LISA2-WWW	WWW	≈ 6,8	≈ 9,9	80	83	0,4
LISA2-R-PIN	XW	6,6	9,9	80	88	0,4



LISA-SS

LISA2-R-PIN

LISA3

Coming soon

Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
LISA3-RS	Real spot	7	9.9	19	TBA	TBA
LISA3-M	Medium	7	9.9	TBA	TBA	TBA
LISA3-W	Wide	7	9.9	TBA	TBA	TBA
LISA3-WW	Extra wide	7	9.9	TBA	TBA	TBA
LISA3-WWW	Extra ² wide	7	9.9	TBA	TBA	TBA
LISA3-O	Oval	7	9.9	TBA	TBA	TBA



Coming soon

LISA3

VERONICA-family (www.ledil.com/veronica-family)

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

Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
VERONICA-SQ-RS	Real spot	12.2	22.5x22.5	13	89	18.8
VERONICA-SQ-M	Medium	12.2	22.5x22.5	30	89	3.1
VERONICA-SQ-W	Wide	12.2	22.5x22.5	52	92	1.2
VERONICA-SQ-SE	Side emitting	11.4	22.5x22.5	189	91	2.7
VERONICA-SQ-O	Oval	12.2	22.5x22.5	56+12	82	3.2

VERONICA-SQ-MINI

Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
VERONICA-SQ-MINI-RS	Real spot	8,86	13,9x13,9	14	92	11
VERONICA-SQ-MINI-D	Diffused spot	8,86	13,9x13,9	15	92	7,3
VERONICA-SQ-MINI-M	Medium	8,86	13,9x13,9	34	89	2,4
VERONICA-SQ-MINI-W	Wide	8,86	13,9x13,9	56	91	0,9
VERONICA-SQ-MINI-O	Oval	8,86	13,9x13,9	15+50	84	3,8



VERONICA

VERONICA-SQ

VERONICA-SQ-MINI



TWIDDLE-D

TINA-WW

TINA2-R-CLIP16

TINA3-S

TWIDDLE (www.ledil.com/twiddle)

Compatibility: Up to 3535 size LED packages

Name	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
TWIDDLE-RZ-D	14.57	21.56	18	60	4.1
TWIDDLE-RZ-M	13.34	21.56	20	68	2.8
TWIDDLE-D	14.3	21.6	20	81	4.1
TWIDDLE-M	13.2	21.6	32	72	2.8

TINA-family (www.ledil.com/tina)

Compatibility: Up to 3535 size LED packages

TINA

Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
TINA-RS	Real spot	≈ 10	16.1	13	93	10.9
TINA-D	Diffused spot	≈ 10	16.1	16	92	6.1
TINA-M	Medium	≈ 10	16.1	29	88	2.1
TINA-W	Wide	≈ 10	16.1	48	91	1.3
TINA-WW	Extra wide	≈ 10	16.1	61	91	0.8
TINA-BW	Batwing	≈ 10	16.1	Asymm.	80	1.0
TINA-O	Oval	≈ 10	16.1	34 x 15	89	3.4

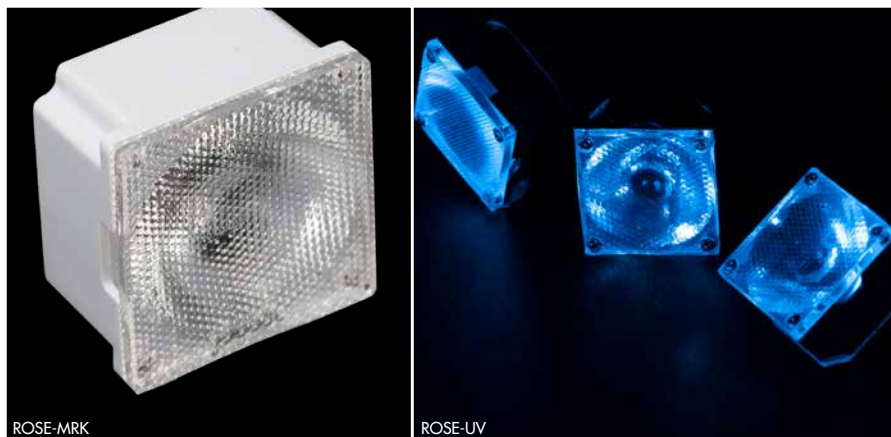
TINA2

Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
TINA2-RS	Real spot	≈ 10	16.1	14	91	10.4
TINA2-D	Diffused spot	≈ 10	16.1	16	89	6.9
TINA2-SS	Smooth spot	9.26	16	22	88	4.5
TINA2-M	Medium	≈ 10	16.1	29	86	2.5
TINA2-W	Wide	≈ 10	16.1	46	87	1.4
TINA2-WW	Extra wide	≈ 10	16.1	58	87	0.9
TINA2-R	Wide	10.1	16.1	74	90	0.5
TINA2-O	Oval	≈ 10	16.1	35 x 16	87	3.5
TINA2-O-WAS	Asymm. oval	≈ 10	16.1	Asymm.	86	3.6

TINA3

Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
TINA3-S	S	11.4	16.1	13	77	8.4
TINA3-W	W	≈ 7	16.1	39	90	1.7
TINA3-WW	WW	≈ 7	16.1	53	90	1.0
TINA3-WWW	WWW	≈ 7	16.1	71	88	0.6
TINA3-OO	OO	≈ 7	≈ 16.1	59 x 39	90	1.2

SINGLE LENSES



ROSE-family (www.ledil.com/rose)

ROSE

Compatibility: LED packages up to 5050 size

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

ROSE-MRK

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

Name	Beam type	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
ROSE-MRK-S	Spot	21.6 x 21.6	30	80	2.1
ROSE-MRK-M	Medium	21.6 x 21.6	43	84	2.0
ROSE-MRK-W	Wide	21.6 x 21.6	62	84	0.7
ROSE-MRK-BW	Batwing	21.6 x 21.6	68	84	0.7

ROSE-UV

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

Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
G2-NIS033U-S	Spot	12.9	21.6x21.6	20	92	TBA
G2-NIS033U-M	Medium	12.9	21.6x21.6	25	91	TBA
G2-NIS033U-W	Wide	12.9	21.6x21.6	43	91	TBA
G2-ROSE-UV-SS	Smooth spot	12.9	21.6x21.6	14	90	TBA
G2-ROSE-UV-M	Medium	12.9	21.6x21.6	25	88	TBA
G2-ROSE-UV-W	Wide	12.9	21.6x21.6	40	90	TBA

SINGLE LENSES

LAURA-G2 (www.ledil.com/laura)

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-RXW-P	13.1	21.6 x 21.6	72	86	0.6
G2-LAURA-SS-WAS-P	13.1	21.6 x 21.6	Asym.	92	11.6
G2-LAURA-O-P	13.1	21.6 x 21.6	40 x 13	91	4.8
G2-LAURA-O-WAS-P	13.1	21.6 x 21.6	Asym.	84	2.6
G2-LAURA-O90-P	13.1	21.6 x 21.6	15+40	90	4.4



G2-LAURA-O-WAS

LAURA (www.ledil.com/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-R-W	13	21.6 x 21.6	70	77	0.5
LAURA-WW	13	21.6 x 21.6	66	86	0.7
LAURA-O	13	21.6 x 21.6	40 x 12	88	4.3



LAURA-RS

LEILA-G2 (www.ledil.com/leila)

Thinner holder design. Backwards compatible with previous generations.

Compatibility: Up to 5050 size LED packages

Name	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
G2-LXP2-RS2-P	14.7	21.6	8.5	90	22.1
G2-LXP2-RS2	14.7	21.6	8.5	90	22.1
G2-LXP2-D-P	14.7	21.6	9.7	88	19.8
G2-LXP2-D	14.7	21.6	9.7	88	19.8
G2-LXP2-M-P	14.7	21.6	22	88	5.1
G2-LXP2-M	14.7	21.6	22	88	5.2



LEILA

LEILA-G2

LEILA (www.ledil.com/leila)

Compatibility: Up to 5050 size LED packages

Beam type name*	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
-RS2	14.6	21.6	8.5	90	22.1
-RS	14.6	21.6	9.6	94	23.1
-MD	14.6	21.6	24	90	TBA
-W	14.6	21.6	42	90	1.6
-REC	14.6	21.6	37 x 26	84	2.4
-O	14.6	21.6	39 x 11	88	4.8
-O-90	14.6	21.6	11 x 39	89	4.6
-WAS	14.6	21.6	Asymm.	84	4.0



LEILA-WAS

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

SINGLE LENSES

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

IRENE (www.ledil.com/irene)

Compatibility: Up to 3535 size IR LED packages

Name	H	D	Typ. FWHM
IRENE-IR-4	14.3	21.6	67 + 67
IRENE-IR-8	14.3	21.6	32 + 32
IRENE-IR-12	14.3	21.6	25 + 25
IRENE-IR-16	14.3	21.6	17 + 17
IRENE-IR-25	14.3	21.6	16 + 16

IRIS (www.ledil.com/iris)

Compatibility: Up to 7070 size LED packages

Name	H	D	Typ. FWHM	Typ. eff.	Typ. cd/lm
IRIS-RS	≈29	38	5	93	66
IRIS-M	≈29	38	26	86	2.7
IRIS-O	≈29	38	39 x 28	84	1.9

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



BILLIE



IRENE-IR-16



IRIS-O

MIRA-M



EVA-SS

SINGLE LENSES



SURI-RS

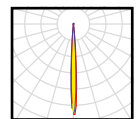


OLGA-S

SURI (www.ledil.com/products)

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

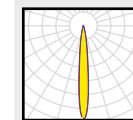


SURI-RS

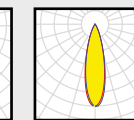
OLGA (www.ledil.com/products)

Compatibility: Up to 7070 size LED packages

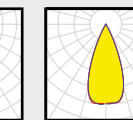
Name	D	H	Typ. FWHM	Typ. eff.	Typ. cd/lm
OLGA-S	30 / 32	18.5 / 19.1	11	87	13.6
OLGA-M	30 / 32	18.5 / 19.1	25	85	2.8
OLGA-W	30 / 32	18.5 / 19.1	40	89	2.2



OLGA-S



OLGA-M



OLGA-W

SINGLE LENSES



TITANUM/SPUTNIK (www.ledil.com/products)

Compatibility: Up to 3535 size LED packages

Name	Beam type	D	Typ. FWHM	Typ. Eff.
TITANUM/SPUTNIK-SS	Smooth spot	26	9	84
TITANUM/SPUTNIK-M	Medium	26	26	87
TITANUM/SPUTNIK-W	Wide	26	66	71
TITANUM/SPUTNIK-O	Oval	26	36 x 8	89

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	89,2	3.1
EMILY-W	14.8	26	39	86	1.5
EMILY-WW	14.8	26	44	93	1.7
EMILY-WWWW	14.8	26	58	86	1
EMILY-SS-WAS	14.8	26	12	90	12
EMILY-O-WAS	14.8	26	43 x 10	87	3.6
EMILY-O	14.8	26	44 x 10	89	4.5
EMILY-O-90	14.8	26	45 x 10	89	4.2

HEIDI (www.ledil.com/heidi)

Compatibility: Up to 3535 size LED packages

Name	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
HEIDI-RS	21.6	8	92	21.8
HEIDI-D	21.6	10	90	14.8
HEIDI-SS	21.6	15	90	6.8
HEIDI-M	21.6	26	89	3.8
HEIDI-W	21.6	32	87	2.6
HEIDI-WR	21.6	31	87	4.1
HEIDI-W2	21.6	45	80	1.1
HEIDI-O	21.6	49 x 11	87	4.5
HEIDI-O-90	21.6	13 x 44	87	4.7
HEIDI-REC	21.6	35 + 57	76	1.4
HEIDI-REC-90	21.6	36 + 57	78	1.3

SINGLE LENSES

KIKI (www.ledil.com/kiki)

Compatibility: Up to 3535 size LED packages

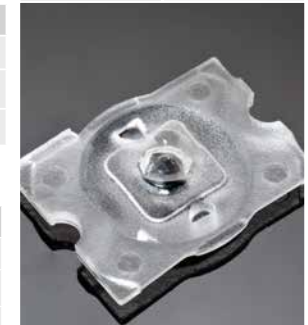
Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
KIKI-A	Wide area lighting	5.9	21.6 x 14	163	92	0.3



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	19.6x15.4	168	88	0.3
LOTTA-A2	Wide area lighting	3.6	20 x 15	90 x 170	87	0.2



EMMA (www.ledil.com/emma)

Compatibility: Up to 3535 size LED packages

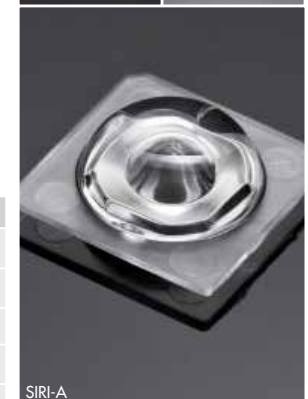
Name	Beam type	H	D	Typ. FWHM	Typ. eff.	Typ. cd/lm
EMMA-360	Side emitter	5.7	9.9 x 9.9	170	92	0.4



STRADA-S (www.ledil.com/products)

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
STRADA-S-14	Side emitter	6.5	19.6 x 13.8	142+170	94	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	13.9x13.9	74 + 134	95	0.3
SIRI-DOME	LED cover, no effect on the light	4.9	13.9x13.9	144	97	0.2
SIRI-DIFF		4.9	13.9x13.9	144	95	0.2

SINGLE LENSES

LEIA (www.ledil.com/products) NEW!

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
Additional accessories					
LEIA-SUB-O	Coming 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-family (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-MAXI

Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
EMERALD-MAXI-A	Wide area lighting	12.2	33 x 25	Asymm.	92	2.0

VENLA-IRIS (www.ledil.com/venla)

Compatibility: Up to 7070 size LED packages

Name	Beam type	H	D	Typ. FWHM	Typ. eff.	Typ. cd/lm
VENLA-S-IRIS	Spot	27.2	45	16	90	8.0



SINGLE LENSES



FLARE-family (www.ledil.com/flarefamily)

Compatibility:

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

FLARE

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

FLARE-MINI

Name	H	D	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLARE-MINI-AD	8.6	16	98 x 19	94	1.1
FLARE-MINI-AD-PIN	8.6	16	98 x 19	94	1.1
FLARE-MINI-A	8.6	16	106 x 20	94	1.1
FLARE-MINI-A-PIN	8.6	16	106 x 20	94	1.0

FLARE-MAXI

Name	H	D	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLARE-MAXI	16.7	33.9 x 33.3	99 x 13	94	2.3
FLARE-MAXI-D	16.7	33.9 x 33.3	108 x 15	94	1.8
FLARE-MAXI-T	15.5	43 x 28.4	82+21	93	1.3

CRYSTAL (www.ledil.com/crystal)

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/products)

Compatibility: Up to 7070 size LED packages

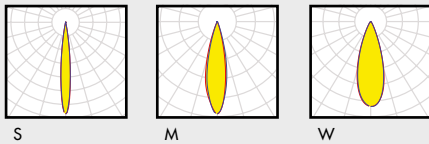
Name	Beam type	H	D	Typ. FWHM	Typ. Eff.
SEANNA-A	Real Spot	79	152.6	2.3	87

RGBW MIXING



GABRIELLA-family (www.ledil.com/gabriella)

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



GABRIELLA-45					
Name	D	H	Typ. FWHM	Typ. eff.	Typ.cd/lm
GABRIELLA-45-S	45	29	9	90	24.0
GABRIELLA-45-M	45	29	25	86	5.0
GABRIELLA-45-W	45	29	36	81	2.2

GABRIELLA-MIDI					
Name	D	H	Typ. FWHM	Typ. eff.	Typ.cd/lm
GABRIELLA-MIDI-S	38	24	11	91	11.5
GABRIELLA-MIDI-M	38	24	24	88	4.0
GABRIELLA-MIDI-W	38	24	35	85	2.2

GERI (www.ledil.com/geri-rz)

Compatibility: A range of multi-color LEDs up to 7070 size packages

Name	D	H	Typ. FWHM	Typ. eff.	Typ.cd/lm
GERI-RZ	45 x 45	32.8	15	88	7.3

RGBX (www.ledil.com/products)

Compatibility: Up to 5050 size RGB LEDs

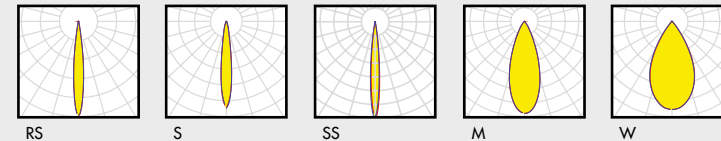
Name	D	H	Typ. FWHM	Typ. eff.	Typ.cd/lm
RGBX-SS	28	30	20	85	3.8
RGBX-M	28	30	30	70	1.3
RGBX-O	28	30	48 + 25	70	1.4
RGBX2-S	28	30	20	77	4.6
RGBX2-M	28	30	34	68	1.5
RGBX2-O	28	30	48 + 24	66	1.5



CARMEN-family (www.ledil.com/carmen)

Compatibility:

- CARMEN-50: LES sizes up to 10 mm
- CARMEN-70: LES sizes up to 11 mm
- CARMEN-90: LES sizes up to 14.5 mm
- Holder B: (CARMEN-70-S, -M, -W): 3rd party connectors from BJB and Stucchi
- Holder C: LEDiL HEKLA



CARMEN-50					
Name	Beam type	H	D	Typ. FWHM	
CARMEN-50-RS	Real spot	25.5	50	12	
CARMEN-50-S	Spot	25.5	50	24	
CARMEN-50-M	Medium	25.5	50	35	
CARMEN-50-W	Wide	25.5	50	50	
CARMEN-50-RS-WHT	Real spot	25.5	50	12	
CARMEN-50-S-WHT	Spot	25.5	50	26	
CARMEN-50-M-WHT	Medium	25.5	50	37	
CARMEN-50-W-WHT	Wide	25.5	50	54	

CARMEN-70					
Name	Beam type	H	D	Typ. FWHM	
CARMEN-RS	Real spot	36.3	69.9	10	
CARMEN-SS	Smooth Spot	36.3	69.9	13	
CARMEN-S	Spot	36.3	69.9	14	
CARMEN-M	Medium	36.3	69.9	34	
CARMEN-W	Wide	36.3	69.9	55	

CARMEN-90 Coming soon					
Name	Beam type	H	D	Typ. FWHM	
CARMEN-90-RS	Real spot	39.3	90	11	

SINGLE LENSES



RONDA

RONDA (www.ledil.com/ronda)

Compatibility

- LES sizes up to 16 mm, asymmetric up to 14.5 mm
- Holder A: LEDiL twist and lock base parts, 3rd party connectors from TE, Bender+Wirth and Ideal
- Holder B: 3rd party connectors from BJB, Ideal and Stucchi
- Holder C: LEDiL HEKLA



Name	Beam type	D (HLD A/B)	D (HLD C)	Typ. FWHM	Typ. Eff.	Typ. cd/Im
RONDA-S	Spot	69.9	53.9	27	85	1.8
RONDA-W	Wide	69.9	53.9	43	87	1.6
RONDA-WW	Extra wide	69.9	53.9	62	89	0.8
RONDA-WWW	Extra ² 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



SINGLE LENSES



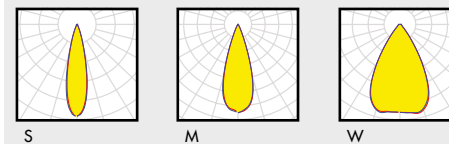
MOLLY

MOLLY (www.ledil.com/molly)

Compatibility:

- Optimized for 14.5 mm LES and compatible up to 19 mm LES
- Compatible with LEDiL clamps
- Can be used with 3rd party 3-hook fastening solutions
- B-versions available for BJB interface

Name	Beam type	H	D	Typ. FWHM
MOLLY-S	Spot	24.8	69.8	25
MOLLY-M	Medium	23.6	69.8	37
MOLLY-W	Wide	22.1	69.8	60



Base parts for MOLLY

Name
CLAMP-VERO29
CLAMP-VERO13-18
CLAMP-CXA25-30
CLAMP-CXA15-18
CLAMP-VEROSE-13-18
XTM-ADAPTER-50-A

SINGLE LENSES

SINGLE LENSES



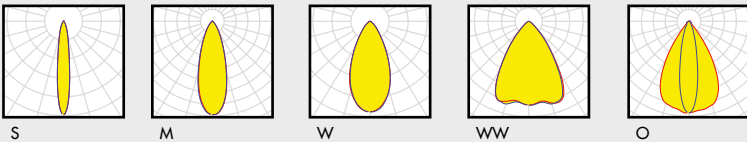
WINNIE (www.ledil.com/winniefamily)

Compatibility:

- COBs with LES sizes up to 21 mm
- 3rd party connectors from Bender+Wirth
- LEDiL HEKLA with holder C



Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
WINNIE-S	Spot	19.3	49.8	22	88	3.4
WINNIE-M	Medium flood	19.3	49.8	35	86	1.8
WINNIE-W	Wide flood	19.3	49.8	50	88	1.3
WINNIE-WW	Extra wide flood	19.3	49.8	70	83	0.7
WINNIE-O	Oval	19.3	49.8	63 + 24	89	1.5



OLIVIA (www.ledil.com/olivia)

Compatibility:

- LES sizes up to 19 mm
- 3rd party connectors from BJB, Stucchi, Bender+Wirth and TE

Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
OLIVIA-S	Spot	22.6	70	20	77	3.3
OLIVIA-M	Medium	22.6	70	59	77	0.9



SAGA (www.ledil.com/sagafamily)

Compatibility:

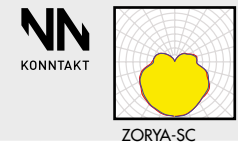
- COB's with LES sizes up to 14 mm
- 3rd party connectors from Bender+Wirth

Name	Beam type	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
SAGA-HB-IP-WHT	High Bay	12	50	62	90	0.8
SAGA-S-WHT	Spot	13.7	50	29	93	2.7

ZORYA-family (www.ledil.com/zorya)

Compatibility:

- ZORYA-SC: LES sizes from 6 mm to 24 mm
- LEDiL's HEKLA and 3rd party connectors from BJB and Stucchi
- ZORYA-MINI: For high power LEDs up to 7070 size packages



ZORYA

Name	Height	Diameter	Typ. eff.	Typ. FWHM
ZORYA-SC	35	55	94	245
ZORYA-SC-B	35	55	97	245
ZORYA-SC-C	35	55	94	245

ZORYA-MINI

Name	Height	Diameter	Typ. eff.	Typ. FWHM
ZORYA-MINI	14.6	22	98	145

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 x 22	86	2.5



SATU-O

CUTE (www.ledil.com/cute)

Compatibility: Up to 5050 size packages

CUTE-3

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
CUTE-3-S	S	3	15	35	11	94	5.7
CUTE-3-SS	SS	3	15	35	12	90	11.3
CUTE-3-M	M	3	15	35	24	88	3.8
CUTE-3-W	W	3	15	35	39	83	1.6
CUTE-3-WW	WW	3	15	35	58	93	0.8

CUTE-4

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
CUTE-4-SS	SS	4	15	35	11	88	13.2
CUTE-4-M	M	4	15	35	22	84	4.3
CUTE-4-W	W	4	15	35	38	TBA	TBA



CUTE

GT3 (www.ledil.com/gt3)

Compatibility: Up to 3535 size LED packages

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
GT3-S	S	3	9	35	18	90	4.5
GT3-M	M	3	9	35	30	89	2.2
GT3-W	W	3	9	35	40	88	1.6
GT3-WW	WW	3	9	35	47	90	1.1



GT3-M

GT4

GT4 (www.ledil.com/gt4)

Compatibility: Up to 3535 size LED packages

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
GT4-S	S	4	9	35	21	90	3.3
GT4-M	M	4	9	35	28	88	2.5
GT4-W	W	4	9	35	38	89	1.7
GT4-WW	WW	4	9	35	53	90	1.1



GT4-S

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	S		10,7	34	12	93	11.8
ANGIE-M	M		10,7	34	19	89	6.2
ANGIE-M2	M2		10,7	34	26	88	3.3
ANGIE-W	W		10,7	34	29	84	2.4

TAMPA (www.ledil.com/tampa)

Compatibility: Up to 3535 size LED packages

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.
NIS83-MX-7-M	M	7	11.4	38	20	90
NIS83-MX-7-MD	MD	7	11.4	38	22	91
NIS83-MX-7-W	W	7	11.4	38	37	89
NIS83-MX-7-WW	WW	7	11.4	38	57	87
RER-7-S	S	7	10.6	38	19	89
RER-7-MD	MD	7	10.6	38	33	85
RER-7-W	W	7	10.6	38	41	82
RER-7-WW	WW	7	10.6	38	53	90



NIS83-MX-7-M

QUAK (www.ledil.com/quak)

Compatibility: Up to 3535 size LED packages

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.
NIS83-MX-4-SS	SS	4	15.23	50		15
NIS83-MX-4-M	M	4	15.23	50		21
NIS83-MX-4-W	W	4	15.23	50		49

ANNA (www.ledil.com/anna)

Compatibility: Up to 3535 size LED packages

ANNA-40

Name	Beam type	LED sources	D	H	Typ. FWHM	Typ. Eff.	Typ. cd/lm
ANNA-40-3-S	S	3	40	10.7	15	91	8.5
ANNA-40-4-S		4					
ANNA-40-5-S		5					
ANNA-40-6-S		6					
ANNA-40-7-S		7					
ANNA-40-3-M	M	3	40	10.7	22	88	3.7
ANNA-40-4-M		4					
ANNA-40-5-M		5					
ANNA-40-6-M		6					
ANNA-40-7-M		7					
ANNA-40-7-M2	M	7	40	10.7	25	87	3.2
ANNA-40-3-W	W	3	40	10.7	32	86	1.9
ANNA-40-4-W		4					
ANNA-40-5-W		5					
ANNA-40-6-W		6					
ANNA-40-7-W		7					
ANNA-40-7-WW	WW	6	40	12.5	64	90	0.9



NIS83-MX-4-M

ANNA-50

Name	Beam type	LED sources	D	H	Typ. FWHM	Typ. Eff.	Typ. cd/lm
ANNA-50-3-S	S	3	50	10.7	15	91	8.5
ANNA-50-4-S		4					
ANNA-50-5-S		5					
ANNA-50-6-S		6					
ANNA-50-7-S		7					
ANNA-50-3-M	M	3	50	10.7	22	88	3.7
ANNA-50-4-M		4					
ANNA-50-5-M		5					
ANNA-50-6-M		6					
ANNA-50-7-M		7					
ANNA-50-3-W	W	3	50	10.7	32	86	1.9
ANNA-50-4-W		4					
ANNA-50-5-W		5					
ANNA-50-6-W		6					
ANNA-50-7-W		7					



ANNA-50-5-S

MULTI-LENS ARRAYS

MULTI-LENS ARRAYS



MELODY (www.ledil.com/melody)

Compatibility: Up to 3535 size LED packages

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
MELODY-4-S	S	4	11.9	50.6	12	89	14.8
MELODY-4-M	M	4	11.9	50.6	29	89	2.8
MELODY-3-M	M	3	11.9	50.6	34	92	2.1

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	SS	3	14.5	50	12	90	12.9
TUIJA-3-M	M	3	14.5	50	16	84	5.6
TUIJA-3-M2	M	3	14.5	50	35	87	2
TUIJA-3-W	W	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/virpifamily)

Compatibility: Up to 3535 size LED packages

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
VIRPI-S	Spot	25	9.4	74.9 x 74.9	15	94	7.5
VIRPI-M	Medium	25	9.4	74.9 x 74.9	29	92	2.7
VIRPI-W	Wide	25	9.4	74.9 x 74.9	42	91	1.6

PETUNIA (www.ledil.com/petuniefamily)

Compatibility: Up to 3535 size LED packages

Name	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
PETUNIA	12	7.4	29.5 x 46.5	29	91	2.2
PETUNIA2	NEW! 12					

IDA (www.ledil.com/idafamily)

Compatibility: Up to 3535 size mid-power LED packages

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.
IDA16-M	Narrow	16	9.2	50 x 50	40	92
IDA16-WW	Very wide	16	9.2	50 x 50	71	93
IDA16-O	Oval	16	9.2	50 x 50	90 + 33	92

LUCIA (www.ledil.com/lucia)

Compatibility: Up to 7070 size LED packages

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. eff.	Typ. cd/lm
LUCIA-S	Spot	4	34.68	90 x 90	15	93	21.2
LUCIA-D	Diffused spot	4	34.68	90 x 90	7	88	37.5

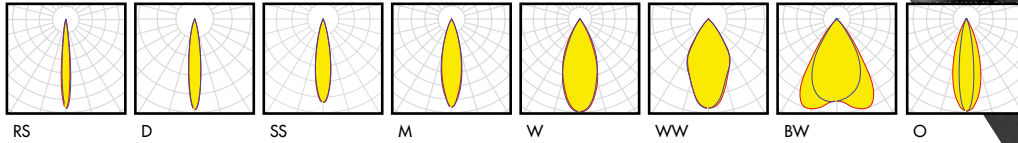


FLORENTINA-family

COMPATIBILITY

12x1: LEDiL standard TINA/TINA2 lenses (up to 3535 LED size packages)

1, 2x2, 4x1, -OPEN: LEDiL standard ROSE lenses up to 5050 size and ROSE-MRK lenses up to 7070 size LED packages



FLORENTINA-12X1 (www.ledil.com/florentina)

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	NEW! 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 (www.ledil.com/florentina-1)

Name	Beam type	H	D	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLORENTINA-1-RS-60	Real spot	31.9	40 x 40	16	80	9.3
FLORENTINA-1-SS-60	Smooth spot	31.9	40 x 40	18	83	7
FLORENTINA-1-D-60	Diffused spot	31.9	40 x 40	21	77	5.1
FLORENTINA-1-M-60	Medium	31.9	40 x 40	31	78	2.6
FLORENTINA-1-W-60	Wide	31.9	40 x 40	44	71	1.3
FLORENTINA-1-O-60	Oval	31.9	40 x 40	44 + 20	72	2.8
FLORENTINA-1-MRK-S-60	Spot	31.9	40 x 40	26	68	2.3
FLORENTINA-1-MRK-M-60	Medium	31.9	40 x 40	40	75	1.4
FLORENTINA-1-MRK-W-60	Wide	31.9	40 x 40	57	70	0.7
FLORENTINA-1-MRK-BW	NEW! Batwing	31.9	40 x 40	60	63	0.7

Additional accessories

FLORENTINA-1-SHD-60 Black shade for FLORENTINA-1 assemblies

FLORENTINA-2X2 (www.ledil.com/florentina-2x2)

Name	Beam type	H	D	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLORENTINA-2X2-RS	Real spot	28.5	95.6 x 95.6	16	78	7.4
FLORENTINA-2X2-D	Diffused spot	28.5	95.6 x 95.6	19	77	5.5
FLORENTINA-2X2-SS	Smooth spot	28.5	95.6 x 95.6	20	79	5.4
FLORENTINA-2X2-M	Medium	28.5	95.6 x 95.6	30	75	2.4
FLORENTINA-2X2-W	Wide	28.5	95.6 x 95.6	49	70	1.0
FLORENTINA-2X2-O	Oval	28.5	95.6 x 95.6	44 + 18	70	2.5
FLORENTINA-2X2-MRK-S	Spot	28.5	95.6 x 95.6	28	68	2.1
FLORENTINA-2X2-MRK-M	Medium	28.5	95.6 x 95.6	42	74	1.4
FLORENTINA-2X2-MRK-W	Wide	28.5	95.6 x 95.6	53	94	0.7
FLORENTINA-2X2-MRK-BW	NEW! Batwing	28.5	95.6 x 95.6	64	63	0.7

Additional accessories

FLORENTINA-2X2-SHD-OPEN Open shade design for FLORENTINA-2X2 assemblies and custom faceplates

FLORENTINA-2X2-SHD-WHT White shade for FLORENTINA-2X2 assemblies

FLORENTINA-2X2-SHD Black shade for FLORENTINA-2X2 assemblies

FLORENTINA-4X1 (www.ledil.com/florentina-4x1)

Name	Beam type	H	D	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLORENTINA-4X1-RS	Real spot	28.5	175.6 x 55.6	10	82	19.0
FLORENTINA-4X1-SS	Smooth spot	28.5	175.6 x 55.6	16	81	8.5
FLORENTINA-4X1-D	Diffused spot	28.5	175.6 x 55.6	18	77	6.6
FLORENTINA-4X1-M	Medium	28.5	175.6 x 55.6	30	75	2.4
FLORENTINA-4X1-W	Wide	28.5	175.6 x 55.6	36	69	1.5
FLORENTINA-4X1-O	Oval	28.5	175.6 x 55.6	44 + 15	74	3.0
FLORENTINA-4X1-MRK-S	Spot	28.5	175.6 x 55.6	28	77	2.1
FLORENTINA-4X1-MRK-M	Medium	28.5	175.6 x 55.6	39	75	1.5
FLORENTINA-4X1-MRK-W	Wide	28.5	175.6 x 55.6	49	73	0.8
FLORENTINA-4X1-MRK-BW	NEW! Batwing	28.5	175.6 x 55.6	64	63	0.7

Additional accessories

FLORENTINA-4X1-SHD-OPEN Open shade design for FLORENTINA-4X1 assemblies and custom faceplates

FLORENTINA-4X1-SHD-WHT White shade for FLORENTINA-4X1 assemblies

FLORENTINA-4X1-SHD Black shade for FLORENTINA-4X1 assemblies

FLORENCE-family (www.ledil.com/florence-family)

FLORENCE-1R

Compatibility: Mid-power LEDs up to 5630 package size

Name	Beam type	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLORENCE-1R-Z60	Medium	58 + 111	94	0.6
FLORENCE-1R-Z90	Extra wide	90 + 110	94	0.4
FLORENCE-1R-ZT25	Asymmetric	Asymm.	86	1.0
FLORENCE-1R-ZT25	Double asymmetric	106 + 80	92	0.5
FLORENCE-1R-O	Oval	96 + 32	94	0.9
FLORENCE-1R-MAXI-WG	Asymmetric	Asymm.	94	1.4
FLORENCE-1R-UP	Wide area lighting	Asymm.	90	0.4
FLORENCE-1R-CLIP-A	Clip for installation with 40 mm wide boards			
FLORENCE-1R-CLIP-B	Clip for installation on a profile			
FLORENCE-1R-CLIP-C	Clip for fastening of FLORENCE-1R optics and 24 mm wide Zhaga modules			

FLORENCE-1R-GC

Compatibility: Mid-power LEDs up to 5630 package size

Name	Beam type	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLORENCE-1R-GC-Z60	Wide	70	94	0.7
FLORENCE-1R-GC-Z90	Rectangular	90	94	0.5
FLORENCE-1R-GC-ZT25	Asymmetric	Asymm.	92	0.8

FLORENCE (3R)

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

Name	Beam type	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLORENCE-Z30	Medium	29	94	2.2
FLORENCE-Z60	Wide	58	88	0.8
FLORENCE-Z90	Extra Wide	92	86	0.4
FLORENCE-Z90-B	Extra Wide	92	90	0.4
FLORENCE-O	Oval	84 + 35	89	0.7
FLORENCE-ZT25	Asymmetric	Asymm.	94	0.6
FLORENCE-ZT25-S	Single-sided asymmetric oval	Asymm.	94	0.6
FLORENCE-3R-SHD-BLK	Black shade to obtain lower UGR			
FLORENCE-3R-SHD-GR	Grey shade to obtain lower UGR			
FLORENCE-3R-SHD-WHT	White shade			

FLORENCE-3R-IP

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

Name	Beam type	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLORENCE-3R-IP-Z60	Wide	60	86	0.7
FLORENCE-3R-IP-Z90	Extra Wide	90	88	0.4
FLORENCE-3R-IP-O	Oval	84 + 40	86	0.7

FLORENCE2

Compatibility: All Zhaga 3R PCBs including 2ft PCBs

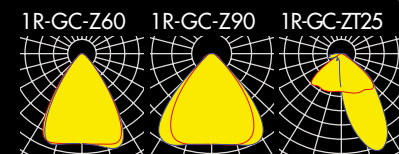
Name	Beam type	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLORENCE2-Z90	Extra Wide	85	94	0.6
FLORENCE2-Z60	Wide	52	92	1.2

FLORENCE-family

FLORENCE-1R



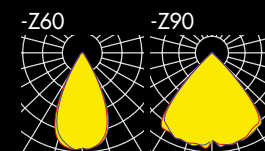
FLORENCE-1R-GC



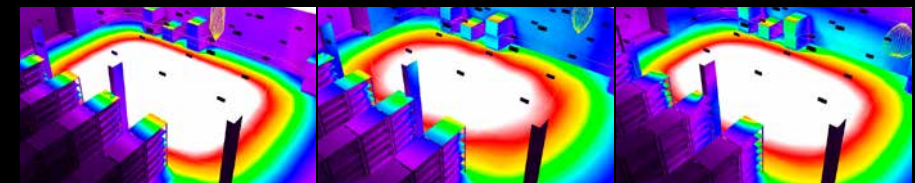
FLORENCE-3R-IP



FLORENCE2



FLORENCE-3R



(3R) Z30 ~7 meters

(3R) Z60 ~5 meters

(3R) Z90 ~3.5 meters

LINEAR LENSES

LINEAR LENSES



DAHLIA Coming soon

Compatibility: Typical horticultural 3535 HP LEDs

Name	H	D	Typ. FWHM	Typ. Eff.
DAHLIA-TL110	11	321 x 79	120	94

DAISY www.ledil.com/products NEW!

Compatibility: Optimized for 2835 and compatible with up to 5630 size mid-power LED packages.
Compatible with up to 4ft long PCBs.

DAISY-28X1				
Name	H	D	Typ. FWHM	Typ. Eff.
DAISY-28X1-W	20.2	1140 x 40	50	95
DAISY-28X1-WW	20.2	1140 x 40	90	95
DAISY-4X1				
Name	H	D	Typ. FWHM	Typ. Eff.
DAISY-4X1-W	20.2	182 x 40	50	95
DAISY-4X1-WW	20.2	182 x 40	90	95

VANESSA www.ledil.com/vanessafamily

Compatibility: Up to 3535 size LED packages

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
VANESSA-S	Spot	12	8	295 x 16	17	90	TBA
VANESSA-M	Medium	12	8	295 x 16	26	89	TBA
VANESSA-O	Oval	12	8	295 x 16	42 + 19	82	TBA
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

SHELLY www.ledil.com/shelly

Compatibility: Up to 3535 size LED packages

Name	H	D	Typ. FWHM	Typ. Eff.
SHELLY-T-6X1-N	7	119.8 x 19.6	Asymm.	94
SHELLY-T-6X1-WAS	7.6	119.8 x 19.6	Asymm.	94

LILIAN www.ledil.com/products Coming soon

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

Name	H	D	Typ. FWHM	Typ. Eff.
LILIAN-ON	14.8	286 x 27	10 + 60	92

LINNEA-family www.ledil.com/linnea

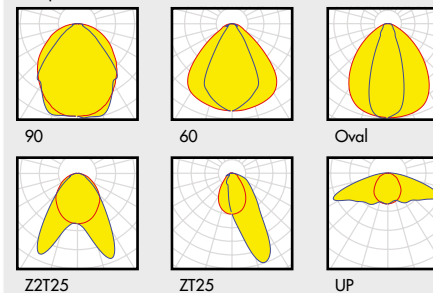
LINNEA

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

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

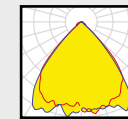
Name	H	D	Typ. FWHM	Typ. Eff.
LINNEA-60 *	12	285 x 40	60	85
LINNEA-90 *	9.5	285 x 40	90	85
LINNEA-O *	12	285 x 40	35 + 70	81
LINNEA-ZZT25 *	10.3	285 x 40	Asymm.	87
LINNEA-ZT25 *	9.5	285 x 40	Asymm.	80
LINNEA-UP	10.3	285 x 40	Asymm.	79
LINNEA-END-MS	Short end cap (male) compatible with all LINNEAs			
LINNEA-END-FS	Short end cap (female) compatible with all LINNEAs			
LINNEA-XX**-END-ML	Long end cap (male) - Clips for 1.0 mm thick metal sheet assembly with LINNEA			
LINNEA-XX**-END-FL	Long end cap (female) - Clips for 1.0 mm thick metal sheet assembly with LINNEA			
LINNEA-XX**-END-B-ML	Long end cap (male) - Clips for 0.5 mm thick metal sheet assembly with LINNEA-B			
LINNEA-XX**-END-B-FL	Long end cap (female) - Clips for 0.5 mm thick metal sheet assembly with LINNEA-B			

* B-version available
** Optical variant



LINNEA-GC Coming soon

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



Name	H	D	Typ. FWHM	Typ. Eff.
LINNEA-GC-90	9.5	285 x 40	90	85



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	Typ. FWHM	Typ. Eff.	Typ. cd/lm
MINNIE-M	Medium	24	90	2.6
MINNIE-W	Wide	33	89	2.0
MINNIE-WWW	Extra wide	69	91	0.9
MINNIE-XW	Extra ² wide	90	92	0.5
MINNIE-LT-M	Medium	21	92	2.0
MINNIE-LT-W	Wide	29	92	2.0
MINNIE-LT-WWW	Extra wide	62	93	0.87
MINNIE-LT-XW-PIN	Extra ² wide	TBA	TBA	TBA



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



BRIDGET (www.ledil.com/products)

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



VENLA (www.ledil.com/venla)

Compatibility: Up to 7070 size LED packages

Name	H	D	Typ. FWHM	Typ. eff.
VENLA-S	25	45	13	TBA
VENLA-M	25	45	28	90
VENLA-W	25	45	45	TBA
VENLA-WW	25	45	56	87
VENLA-S-IRIS	25	45	18	93

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	31.9x28.4	85	0.63
RITA-A-RZ	Asymm.	19	35 x 29	82	0.6
RITA-WAS-RZ	Asymm.	19	35 x 29	80	0.6

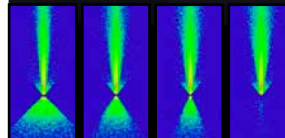


BLONDIE (www.ledil.com/blondie)

Comes with three interchangeable inserts for backside light shaping.

Compatibility: Up to 7070 size LED packages

Name	H	D	Beam type
BLONDIE-A	45	92 x 78.3	Decorative



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

BROOKE-G2 (www.ledil.com/brooke-g2)

Compatible with LEDiL HEKLA

Compatibility: COBs with LES size up to 19 mm



Name	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
BROOKE-G2-S	19.7	45	18	92	4.3
BROOKE-G2-M	19.7	45	28	92	2.0
BROOKE-G2-W	19.7	45	47	92	1.0

Additional accessories

BARBARA-RZ-LENS Color mixing sublens

LEDiL HEKLA (Check compatibility on page 39 or www.ledil.com)



MIRELLA-family

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

MIRELLA-G2

Compatible with LEDiL HEKLA

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	Color mixing lens
LEDiL HEKLA (Check compatibility on page 39 or www.ledil.com)	



MIRELLA-G2



MIRELLA-PF

MIRELLA-PF

Press-fit fastening with LEDiL sockets

Compatibility:

- COBs with LES size up to 14 mm
- 3rd party connectors from Bender+Wirth and Ideal

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

LEDiL PF Sockets

XTM-PF-ADAPTER
SOCKET-CXA15-18
SOCKET-CXA15
PF-NSX-SOCKET
PF-SOCKET
SOCKET-VERO10
SOCKET-VERO13/18

BARBARA-family

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

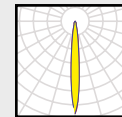
BARBARA-G2

Compatible with LEDiL HEKLA

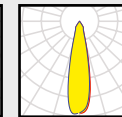
Compatibility: COBs with LES size up to 18 mm



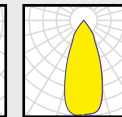
Name	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
BARBARA-G2-S	41.9	70	13	TBA	TBA
BARBARA-G2-M	41.9	70	25	TBA	TBA
BARBARA-G2-W	41.9	70	40	TBA	TBA
BARBARA-G2-WW	41.9	70	60	TBA	TBA



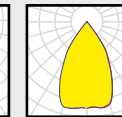
G2-S



G2-M



G2-W



G2-WW

Additional accessories

BARBARA-RZ-LENS	Color mixing sublens
LEDiL HEKLA (Check compatibility on page 39 or www.ledil.com)	

BARBARA-PF

Press-fit fastening for LEDiL sockets

Compatibility:

- COBs with LES size up to 19 mm
- 3rd party connectors from Bender+Wirth

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

XTM-ADAPTER

Ultimate light quality – LEDiL System Reflectors are now compatible with Xicato light engines

Name	Compatible optics
XTM-ADAPTER-50-A	RONDA-A, MOLLY, ANGELA, ANGELETTE, ANGELINA
XTM-ADAPTER-50-B	G2 reflectors, CARMEN-50, CARMEN-90, ANGELINA-B, ANGELETTE-B, ANGELA-B, ZORYA-SC-B
XTM-ADAPTER-50-C	RONDA-C, CARMEN-70-C, ZORYA-SC-C



BARBARA-G2



BARBARA-PF



XTM-ADAPTER-50-B

LENA / LENINA

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

LENA (www.ledil.com/lenafamily)

Compatibility:

- COBs with LES size up to 35 mm
- 3rd party connectors from Ideal, Stucchi and Bender+Wirth

Name	Beam type	D	H	Typ. FWHM	Typ. Eff.	Typ. cd/lm
LENA-S	S	111	86	11	85	7.6
LENA-SS	SS	111	86	18	82	5.0
LENA-M	M	111	86	22	83	2.5
LENA-W	W	111	86	46	82	1.3
LENA-WAS	WAS	111	37	Asym	82	1.1

Additional accessories

LENA-LENS	Diffuser lens
LENA-CLEAR-LENS	Clear lens

LENINA (www.ledil.com/leninafamily)

Compatibility:

- COBs with LES size up to 35 mm
- 3rd party connectors from Ideal, Stucchi and Bender+Wirth

Name	Beam type	D	H	Typ. FWHM	Typ. Eff.	Typ. cd/lm
LENINA-S	S	74	46	19	88	4.5
LENINA-M	M	74	46	31	87	2.1
LENINA-W	W	74	46	53	87	1.1
LENINA-XW	XW	74	46	73	89	0.6

Additional accessories

LENINA-DL	Diffuser lens
LENINA-CL	Clear lens

Base parts for LENA/LENINA

Name	
LENA-ADAPTER-B	Adapter ring for BJB interface
LENA-STD-BASE-CXA15	Cree CXA15xx
LENA-STD-BASE-CXA20	Cree CXA20xx
LENA-STD-BASE-CXA18	Cree CXA18xx
LENA-STD-BASE-CXA25	Cree CXA25xx
LENA-STD-BASE-CL340	Citizen CL340
LENA-STD-BASE-CLL030	Citizen CLL030
LENA-STD-BASE-CLL040	Citizen CLL040
LENA-STD-BASE-BXRA	Bridgelux BXRA
LENA-STD-BASE-BASE-RS	Bridgelux RS
LENA-STD-BASE-VERO13-18	Bridgelux VERO13-18
LENA-STD-BASE-VERO29	Bridgelux VERO29
LENA-STD-BASE-MEZ	Sharp Mega Zenigata
LENA-STD-BASE-LUXEON-K	Lumileds Luxeon K
LENA-STD-BASE-COB204	Nichia CoB204
LENA-STD-BASE-E30	Osram Soloriq E30



ANGELA / ANGELINA / ANGELETTE

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

ANGELA (www.ledil.com/angela-family)

Compatibility:

- COBs with LES size up to 32 mm
- 3rd party connectors from Ideal, Bender+Wirth, TE and Molex

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
ANGE-RZ	Color mixing sublens					

ANGELINA (www.ledil.com/angelina-family)

Compatibility:

- COBs with LES size up to 32 mm
- 3rd party connectors from Ideal, Bender+Wirth, TE and Molex

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
ANGE-RZ	Color mixing sublens					

ANGELETTE (www.ledil.com/angelette-family)

Compatibility:

- COBs with LES size up to 32 mm
- 3rd party connectors from Ideal, Bender+Wirth, TE and Molex

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.	97.2 x 83.4	84	Asymm.	92	1.4

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
ANGE-RZ	Color mixing sublens					

Base parts for ANGELA/ANGELINA/ANGELETTE

Name	
CLAMP-CXA15-18	For Cree CXA15 & 18
CLAMP-CXA25-30	For Cree CXA25 & 30
CLAMP-VERO13-18	For Bridgelux Vero13 & 18
CLAMP-VERO29	For Bridgelux Vero29
CLAMP-S2000	
CLAMP-S3000	For Lumileds LUXEON Sxxxx
CLAMP-S5000	



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

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HEKLA

BARBARA-G2
Ø 70 mm

MIRELLA-G2
Ø 50 mm

BROOKE-G2
Ø 45 mm

CARMEN
Ø 90 mm
Ø 70 mm } incl. CARMEN-
Ø 50 mm } HLD-C

ZORYA
Ø 55 mm
incl. ZORYA-ADAPTER-HEKLA

RONDA
Ø 54 mm
incl. RONDA-HLD-C

WINNIE
Ø 50 mm
incl. WINNIE-HLD-C



HEKLA

Make your connections more versatile, robust and future proof with LEDiL's new Ø44 mm HEKLA sockets and solderless connectors

- **COMPATIBILITY:** One interface for a variety of LEDiL optics, supporting over 110 COBs
- **USABILITY:** Easy to use twist & lock mechanism for optics assembly and replacement
- **DURABILITY:** Long lasting materials that can handle high temperatures without losing grip
- **INNOVATION:** Same system – freedom to choose between solderless connector or mechanical socket

HEKLA Connectors

Rated voltage: 50 V
Rated current: 3 A

Certified according to following standards: EN 60838-1 :2004 + A 1 :2008 + A2:2011



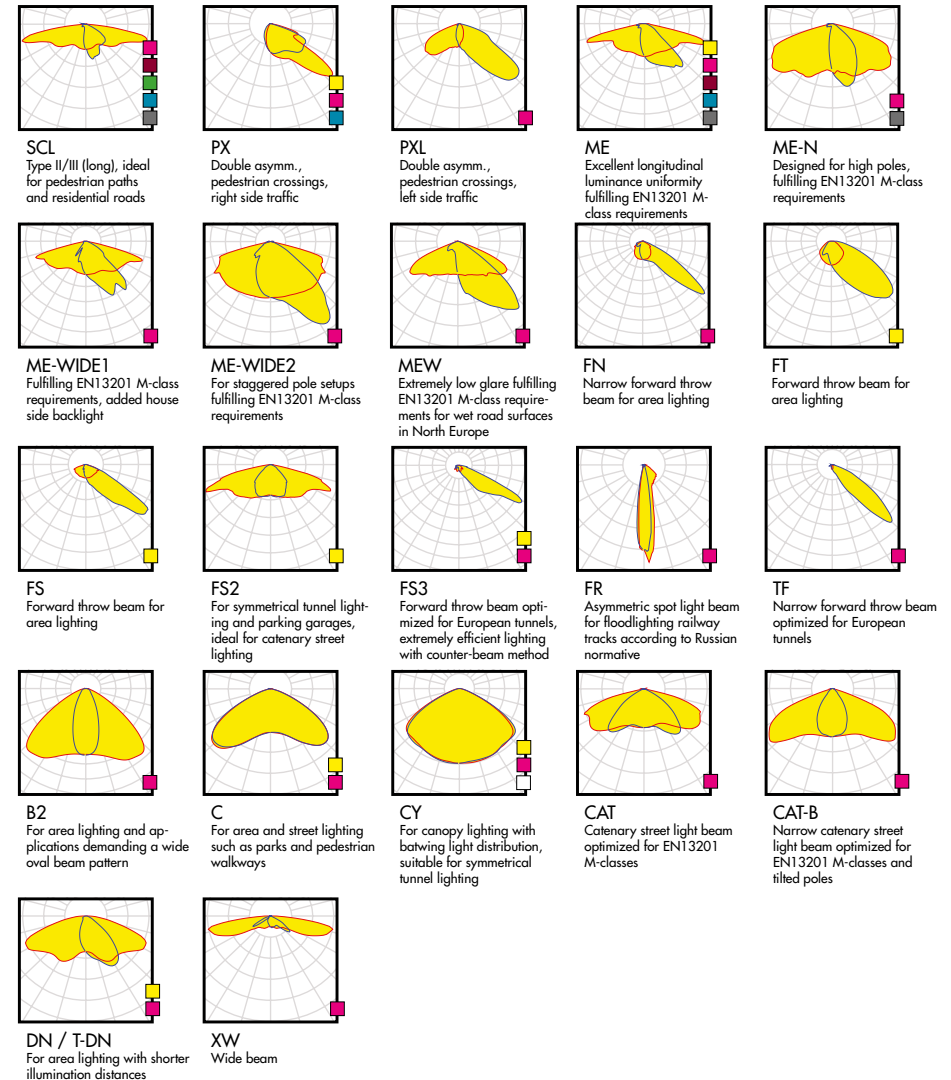
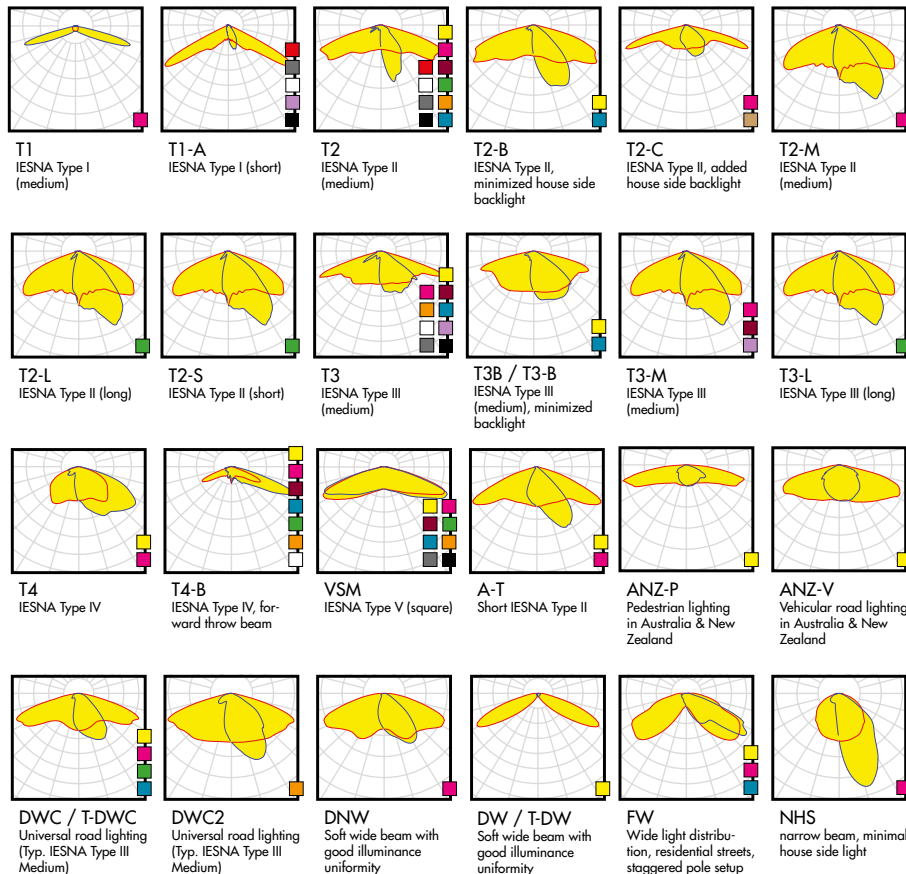
Name	LED Package
FP15490_HEKLA-A	12.5 x 12.5 mm
FP15500_HEKLA-B	17.85 x 17.85 mm
FP15501_HEKLA-C	13.5 x 13.5 mm
FP15502_HEKLA-D	15.85 x 15.85 mm
FP15503_HEKLA-E	15.8 x 15.8 mm
FP15947_HEKLA-G	15 x 12 mm
FP15948_HEKLA-H	19 x 16 mm
FP15949_HEKLA-I	19 x 19 mm
FP15957_HEKLA-J	13.35 x 13.35 mm

Check the LED compatibility at www.ledil.com/hekla

HEKLA Sockets	Max LES size	Example LED
F15253_HEKLA-SOCKET-A	9.0 mm	Bridgelux V8 (G6)
F15254_HEKLA-SOCKET-B	14.2 mm	Cree CXA1850
F15255_HEKLA-SOCKET-C	11.6 mm	Citizen CLL020
F15256_HEKLA-SOCKET-D	10.7 mm	Cree CXA1520
F14988_HEKLA-SOCKET-E	14.3 mm	Bridgelux V10(G6) and V13(G6)
F15616_HEKLA-SOCKET-F		Bridgelux VERO10
F15848_HEKLA-SOCKET-G	10 mm	Sharp Mini ZENIGATA
F15858_HEKLA-SOCKET-H	14.0 mm	Lumileds Luxeon CoB 1203
F15859_HEKLA-SOCKET-I	17.0 mm	Citizen CLL03x
F15956_HEKLA-SOCKET-J	7.5 mm	Cree CXA1310
C16142_HEKLA-SOCKET-K		Vero 13 and 18, Bender+Wirth Typ L8

MODULAR SOLUTIONS

- STRADA-SQ
- SITARA
- STRADA-2X2MXS
- STRADELLA-8
- STRADA-2X2
- STRADA-IP-2X6
- STRADA-IP-8MX
- STRADELLA-16
- STRADA-2X2CSP
- STRADA-2X2MX
- STRADELLA
- STRADELLA-IP-28

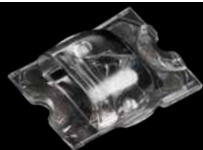


STRADA single lenses

www.ledil.com/strada

Compatibility:

- Up to 3535 sized LED packages



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

STRADA-SQ

www.ledil.com/strada

Compatibility:

- Up to 7070 size LED packages



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

STRADA-2X2 modules

www.ledil.com/strada-2x2

Compatibility:

- Up to 5050 sized LED packages



Name	Dimensions	Height	Typ. eff.	Typ. FWHM
STRADA-2X2-T1	50 x 50	7.78	94	Asymm.
STRADA-2X2-T2	80 x 146	7.7	94	Asymm.
STRADA-2X2-T2-C	50 x 50	7.34	94	Asymm.
STRADA-2X2-T3 *	50 x 50	7	94	Asymm.
STRADA-2X2-T3-M	50 x 50	9.73	93	Asymm.
STRADA-2X2-T4	50 x 50	7	94	Asymm.
STRADA-2X2-T4-B	50 x 50	9.02	93	Asymm.
STRADA-2X2-ME	50 x 50	8.2	94	Asymm.
STRADA-2X2-ME-WIDE1	50 x 50	8.3	84	Asymm.
STRADA-2X2-ME-WIDE2	50 x 50	7	81	Asymm.
STRADA-2X2-ME-N	50 x 50	6.7	94	Asymm.
STRADA-2X2-MEW	50 x 50	10.16	88	Asymm.
STRADA-2X2-DWC	50 x 50	6	93	Asymm.
STRADA-2X2-DNW	50 x 50	11	93	Asymm.
STRADA-2X2-A-T	50 x 50	7.3	93	Asymm.
STRADA-2X2-VSM	50 x 50	6.14	94	150
STRADA-2X2-CAT	50 x 50	6.2	94	Asymm.
STRADA-2X2-CAT-B	50 x 50	7.73	94	Asymm.
STRADA-2X2-SCL	50 x 50	7.8	94	Asymm.
STRADA-2X2-FW	50 x 50	11.98	92	Asymm.
STRADA-2X2-FN	50 x 50	10	94	Asymm.
STRADA-2X2-FR	50 x 50	11.8	93	15 + 16
STRADA-2X2-DN	50 x 50	8.05	94	Asymm.
STRADA-2X2-XW	50 x 50	7	94	Asymm.
STRADA-2X2-B2-STP	50 x 50	5.18	93	Asymm.
STRADA-2X2-C-STP	50 x 50	6.27	94	Asymm.
STRADA-2X2-PX	50 x 50	8	94	Asymm.
STRADA-2X2-PXL	50 x 50	8	94	Asymm.
STRADA-2X2-NHS	50 x 50	9.8	90	Asymm.
STRADA-2X2-CY	50 x 50	7.8	94	120
STRADA-2X2-TF	50 x 50	8.73	94	Asymm.
STRADA-2X2-FS3	50 x 50	12	94	Asymm.

* Also available in silicone

STRADA-2X2CSP

www.ledil.com/strada-2x2

Compatibility:

- Designed for cost driven CSP (chip scale package) LEDs, and optimized for high-power CSPs
- Can be used with a cluster of 4 CSP LEDs under one optic



Name	Height	Dimensions	Typ. eff.	Typ. FWHM
STRADA-2X2CSP-SCL	7.49	50 x 50	94	Asymm.
STRADA-2X2CSP-VSM	6.95	50 x 50	94	Asymm.
STRADA-2X2CSP-T2	7.7	50 x 50	94	Asymm.
STRADA-2X2CSP-T3	TBA	50 x 50	94	Asymm.
STRADA-2X2CSP-T4-B	6.84	50 x 50	94	Asymm.
STRADA-2X2CSP-ME	6.6	50 x 50	93	Asymm.

STREET & AREA LIGHTING

SITARA modules

www.ledil.com/products

Compatibility:

- Optimized for 5050 size flat SMD LEDs



Name	LEDs	H	D	Typ. Eff.
SITARA-2X2-T1-A	4	8.25	50 x 50	84
SITARA-2X2-T2	4	9.3	50 x 50	78
SITARA-T1-A	1	5.9	18 x 18	88
SITARA-T2	1	7.7	18 x 18	83

STRADA-IP-2X6 modules

www.ledil.com/strada-ip-2x6

Compatibility:

- Up to 5050 size LED packages



Name	Dimensions	Height	Typ. eff.	Typ. FWHM
STRADA-IP-2X6-T2	173 x 71.4	9.2	94	Asymm.
STRADA-IP-2X6-T2-B	173 x 71.4	12.03	95	Asymm.
STRADA-IP-2X6-T2-B-90	173 x 71.4	12.03	94	Asymm.
STRADA-IP-2X6-T2-C-90	173 x 71.4	9.0	94	Asymm.
STRADA-IP-2X6-T3	173 x 71.4	8.5	94	Asymm.
STRADA-IP-2X6-T3-B	173 x 71.4	12.75	94	Asymm.
STRADA-IP-2X6-T3-B-90	173 x 71.4	12.75	94	Asymm.
STRADA-IP-2X6-T3-L NEW!	173 x 71.4	13	94	Asymm.
STRADA-IP-2X6-T4-B	173 x 71.4	10.57	94	Asymm.
STRADA-IP-2X6-DWC	173 x 71.4	7.9	93	Asymm.
STRADA-IP-2X6-DWC-90	173 x 71.4	8.98	94	Asymm.
STRADA-IP-2X6-ME	173 x 71.4	8.4	94	Asymm.
STRADA-IP-2X6-VSM	173 x 71.4	9	94	Asymm.
STRADA-IP-2X6-SCL	173 x 71.4	9.6	94	Asymm.
STRADA-IP-2X6-FW	173 x 71.4	13.1	92	Asymm.
STRADA-IP-2X6-PX	173 x 71.4	9.6	94	Asymm.

STREET & AREA LIGHTING

STRADA-IP-8MX modules

www.ledil.com/

Compatibility:

- Optimized for flat 5050 packages (without dome)



Name	Dimensions	Height	Typ. Eff.
STRADA-IP-8MX-T2-C	90 x 90	9.6	85

STRADA-2X2MX and silicone 2X2MXS modules

www.ledil.com/2x2mx

Compatibility:

- Up to 7070 size LED packages



Name	Dimensions	Height	Typ. eff.	Typ. FWHM
STRADA-2X2MX-8-DWC	90 x 90	11.3	94	Asymm.
STRADA-2X2MX-8-VSM	90 x 90	13.4	94	Asymm.
STRADA-2X2MX-8-SCL	90 x 90	13.17	94	Asymm.
STRADA-2X2MX-8-T4-B	90 x 90	13.17	94	Asymm.
STRADA-2X2MX-8-T2	90 x 90	12.57	94	Asymm.
STRADA-2X2MX-8-T2-S	90 x 90	11.13	94	Asymm.

Name	Dimensions	Height	Typ. eff.	Typ. FWHM
STRADA-2X2MXS-DWC2	90 x 90	1.4	93	Asymm.
STRADA-2X2MXS-VSM	90 x 90	13	92	Asymm.
STRADA-2X2MXS-T2	90 x 90	12.57	91	Asymm.
STRADA-2X2MXS-T3	90 x 90	14.83	89	Asymm.
STRADA-2X2MXS-T4-B	90 x 90	14.2	88	Asymm.

STRADA-6X1 modules

www.ledil.com/strada-6x1

Compatibility:

- Up to 3535 size LED packages



Name	LEDs	H	D	Typ. Eff.
STRADA-T-6X1-ME	6	8,2	119.8 x 25.2	93
STRADA-T-6X1-DNWX	6	5,6	119.8 x 25.2	93
STRADA-T-6X1-DWC	6	5,5	119.8 x 25.2	94

TATIANA (www.ledil.com/tatiana)

Compatibility: Up to 3535 size LED packages

Name	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
TATIANA-1X4-B	4	7.7	102 x 25	144 + 62	94	0.54



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

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STRADELLA-family

www.ledil.com/stradellafamily

Compatibility:

- STRADELLA single lens: Up to 3535 size mid- and high-power LEDs
- STRADELLA-8: Up to 3535 size mid- and high-power LEDs
- STRADELLA-16 & IP-16: Up to 3535 size mid-power LEDs
- STRADELLA-IP-28: Up to 3535 size mid and high power LEDs



STRADELLA

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
STRADELLA-CY	Wide area lighting	1	4.73	13.9 x 13.9	115	94	0.3
STRADELLA-T2	Asymmetric	1	4.96	13.9 x 13.9	Asymm	94	0.8
STRADELLA-T3	Asymmetric	1	4.96	13.9 x 13.9	Asymm	94	0.7
STRADELLA-T4-B	Asymmetric	1	5.16	13.9 x 13.9	Asymm.	93	0.6
STRADELLA-T1-A	Asymmetric	1	5.32	13.9 x 13.9	Asymm.	94	0.9
STRADELLA-HB-S	Spot	1	7.5	13.9 x 13.9	27	95	1.5
STRADELLA-HB-M	Medium	1	5.7	13.9 x 13.9	58	94	0.6
STRADELLA-HB-W	Wide	1	7.12	13.9 x 13.9	87	94	0.5

STRADELLA-8

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
STRADELLA-8-HV-ME	Asymmetric	8	5.5	50 x 50	Asymm.	94	0.7
STRADELLA-8-HV-ME-N	Asymmetric	8	5.96	50 x 50	Asymm.	92	0.7
STRADELLA-8-HV-CY	Wide area lighting	8	4.91	50 x 50	125 + 125	94	0.3
STRADELLA-8-T2*	Asymmetric	8	5.7	50 x 50	Asymm	94	0.8
STRADELLA-8-T3*	Asymmetric	8	5.7	50 x 50	Asymm	94	0.7
STRADELLA-8-VSM*	Wide area lighting	8	5.5	50 x 50	143	94	0.4
STRADELLA-8-SCL*	Asymmetric	8	5.5	50 x 50	Asymm	93	0.7
STRADELLA-8-T1-A*	Asymmetric	8	5.32	50 x 50	Asymm	94	1.0
STRADELLA-8-HB-S*	Spot	8	7.5	50 x 50	27	90	1.8
STRADELLA-8-HB-M*	Medium	8	5.7	50 x 50	58	92	0.7
STRADELLA-8-HB-W*	Wide	8	7.12	50 x 50	87	94	0.5

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

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-W	Wide	16	7.12	50 x 50	92	94	0.5
STRADELLA-16-HB-O	Asymmetric	16	4.3	50 x 50	Asymm.	94	0.8
STRADELLA-16-T1-A	Asymmetric	16	4.3	50 x 50	Asymm.	94	0.8
STRADELLA-16-T1-A-PC	Asymmetric	16	4.3	50 x 50	Asymm.	94	0.8
STRADELLA-16-T3	Asymmetric	16	3.7	50 x 50	Asymm.	94	0.6

STRADELLA-IP-16

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
STRADELLA-IP-16-T2-PC	Asymmetric	16	8.45	100 x 60	Asymm.	94	0.7

STRADELLA-IP-28

Name	Beam type	LEDs	H	D	Typ. FWHM	Typ. Eff.	Typ. cd/lm
STRADELLA-IP-28-T1-A	NEW! Asymmetric	28	9.5	100 x 100	Asymm.	94	0.8
STRADELLA-IP-28-T1-A-PC	NEW! Asymmetric	28	9.5	100 x 100	Asymm.	91	1.0
STRADELLA-IP-28-T2	Asymmetric	28	9.2	100 x 100	Asymm.	94	0.8
STRADELLA-IP-28-T2-PC	Asymmetric	28	9.2	100 x 100	Asymm.	91	0.9
STRADELLA-IP-28-T3	Asymmetric	28	9.2	100 x 100	Asymm.	94	0.7
STRADELLA-IP-28-T3-PC	Asymmetric	28	9.2	100 x 100	Asymm.	91	0.7
STRADELLA-IP-28-VSM	NEW! Wide area lighting	28	9.5	100 x 100	138	94	0.4
STRADELLA-IP-28-VSM-PC	NEW! Wide area lighting	28	9.5	100 x 100	140	90	0.4
STRADELLA-IP-28-SCL	NEW! Asymmetric	28	9.5	100 x 100	Asymm.	94	0.6
STRADELLA-IP-28-SCL-PC	NEW! Asymmetric	28	9.5	100 x 100	Asymm.	84	0.6
STRADELLA-IP-28-HB-S	Spot	28	9.5	100 x 100	25	92	1.6
STRADELLA-IP-28-HB-S-PC	Spot	28	9.5	100 x 100	25	89	1.9
STRADELLA-IP-28-HB-M	Medium	28	9.5	100 x 100	65	94	0.7
STRADELLA-IP-28-HB-M-PC	Medium	28	9.5	100 x 100	65	89	0.7
STRADELLA-IP-28-HB-W	Wide	28	9.5	100 x 100	90	94	0.4
STRADELLA-IP-28-HB-W-PC	Wide	28	9.5	100 x 100	90	89	0.5

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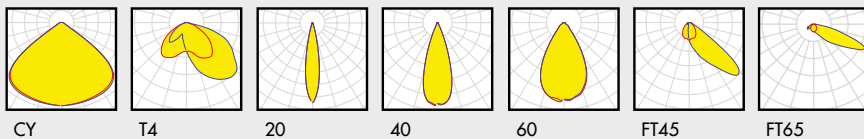
JENNY family

JENNY (www.ledil.com/jennyfamily)

Comes either as a single lens or in a 8 lens array with possibility to separate lenses individually. Can be installed with glue or optional holder.

Compatibility:
• Up to 7070 size LED packages

Name	Height	Dimensions	Typ. eff.	Typ. FWHM
JENNY-CY	11.5	35 x 35	94	106 + 106
JENNY-8X1-CY	11.5	280 x 35	94	106 + 106
JENNY-T4	17	35 x 35	92	Asymm.
JENNY-8X1-T4	Coming soon	280 x 35	92	Asymm.
JENNY-20 *	Coming soon	35 x 35	96	20
JENNY-40 *	Coming soon	35 x 35	96	40
JENNY-60 *	Coming soon	35 x 35	94	60
JENNY-FT45 *	20.65	35 x 35	92	Asymm.
JENNY-FT65 *	Coming soon	35 x 35	93	Asymm.
JENNY-CY-G2 *	Coming soon	TBA	TBA	TBA
JENNY-T4-G2 *	Coming soon	TBA	TBA	Asymm.



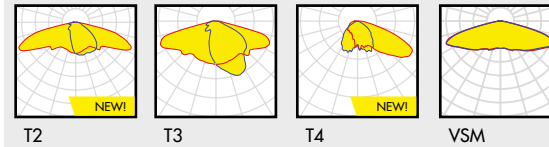
* Available also in 8 lens array

STELLA-family (www.ledil.com/stellafamily)

STELLA-G2

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

Name	D	H	Typ. eff.	Typ. FWHM	
STELLA-G2-T2	NEW!	90	26.5	86	Asymm.
STELLA-G2-T3		90	40.2	91	Asymm.
STELLA-G2-T4	NEW!	90	45.2	89	Asymm.
STELLA-G2-VSM		90	25.6	91	Asymm.

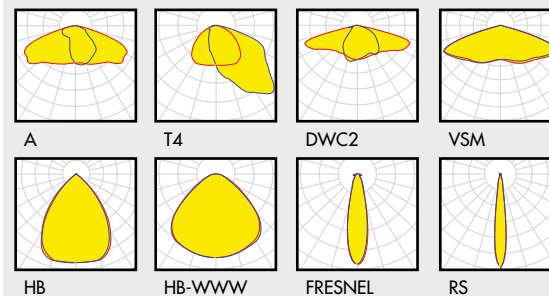


STELLA-G2-T3

STELLA

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

Name	H	D	Typ. eff.	Typ. FWHM
STELLA-A	22	90	92	Asymm.
STELLA-HB	19.5	90	93	76
STELLA-HB-WWW	11.3	90	88	97
STELLA-T4	26.9	90	92	Asymm.
STELLA-VSM	20.7	90	94	Asymm.
STELLA-FRESNEL	23	90	89	27
STELLA-DWC2	19.27	90	92	Asymm.
STELLA-RS	39.15	90	94	25
STELLA-CLAMP-CXA15-18				

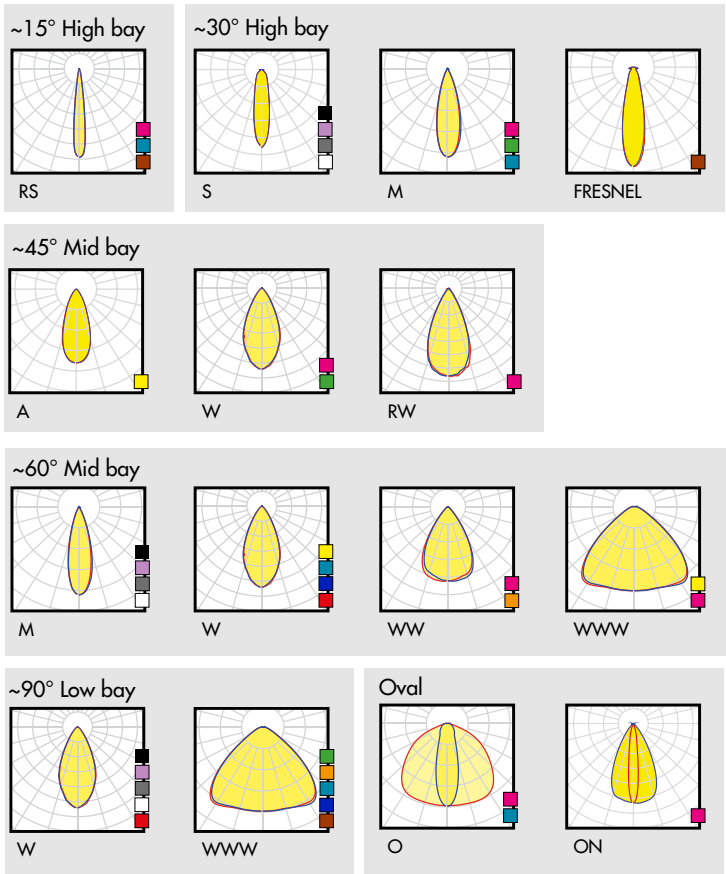


STELLA-RS

HIGH BAY LIGHTING

HIGH BAY SOLUTIONS

- HB-SQ
- HB-2X2
- HB-2X2MX-8
- HB-2X2MXS
- HB-IP-2X6
- HB-IP-2X6-G2
- STRADELLA-HB
- STRADELLA-8-HB
- STRADELLA-16-HB
- STRADELLA-IP-28-HB
- VICTORIA
- STELLA



HIGH BAY LIGHTING

HB family

www.ledil.com/highbayfamily

- HB-SQ**
Dimensions: 25 x 25 mm
Compatibility:
• Up to 7070 size LED packages
- HB-2X2 modules**
Dimensions: 50 x 50 mm
Compatibility:
• Up to 5050 size LED packages
- HB-2X2MX & silicone 2X2MXS modules**
Dimensions: 90 x 90 mm
Compatibility:
• Up to 7070 size LED packages
- HB-IP-2X6 modules**
Dimensions: 173x71.4mm
Compatibility:
• Up to 5050 size LED packages

NEW!

HB-IP-2X6-G2 modules

- Dimensions: 172 x 71 mm
Compatibility:
• Optimized for flat high power 5050 size LED packages
• Compatible with up to 5050 size LED packages



STRADELLA family

www.ledil.com/stradellafamily

- STRADELLA-HB**
Dimensions: 13.9 x 13.9 mm
Compatibility:
• Up to 3535 size LED packages
- STRADELLA-8-HB**
Dimensions: 49.5 x 49.5 mm
Compatibility:
• Up to 3535 size LED packages
- STRADELLA-16-HB**
Dimensions: 49.5 x 49.5 mm
Compatibility:
• Up to 3535 size LED packages
- STRADELLA-IP-28-HB**
Dimensions: 100 x 100 mm
Compatibility:
• Up to 3535 size LED packages

STELLA family

www.ledil.com/stellafamily

- 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, Ideal, B+W, Stucchi and TE

VICTORIA

- Diameter: 300 mm
Compatibility:
• Optimized for 2835 and compatible with up to 5630 size mid-power LED packages
• Recommended to be used with two LEDs per one optic which can be up to 5630 in size

COMING SOON



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- Looking for a unique design solution and differentiation
- Meeting special requirements for certain applications
- Need for specific material

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Full turnkey service

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- Accurate light laboratory measurements
- Production facilities on different continents
- Wide testing capabilities to support product development
 - Thermal analysis service from the beginning of a project
 - Technical support during the whole lifetime of a product
- Broad recognition in the industry as a manufacturer of high quality products

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