

LEDiL



RANGE & PRECISION – LEDiL's standard LED optics offer both

LEDiL is a Finnish manufacturer and supplier of top quality LED secondary optics. We are driven by an innovative 'can do, will do' attitude and willing to run that 'extra mile' to bring to our customers the finest solutions that add real value to their end products. Whether they need reflectors or lenses, asymmetric or symmetric. Our standard product range brings over 1.500 cost-effective optical solutions to our customers' needs.

Application support

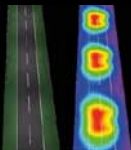
Custom solutions

Symmetric

Asymmetric

Reflectors

Arrays



Dear Customer

We have updated our catalogue to answer better to your needs in our standard optics. Please

note that you can find ordering codes for products together with the latest product information on our website at:

www.ledil.com

FWHM, efficiency and other values in this catalogue *are typical values* and subject to chosen LED/optic -combination.

Actual values can be found on our website.

We have included saved search paths for your convenience. URL to the saved search can be found under each product family name. This address will take you directly to the family listing.

BRIDGET / LILY / CINDY

www.ledil.com/products

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
-M	41	87	1,5
-S	31	89	1,5
-W	57	88	1,1



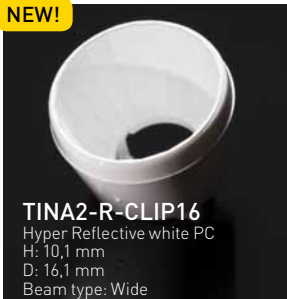
-M

Metallized PC
H: 12,8 mm
D: 22,6 mm
Beam type: Medium

TINA2

www.ledil.com/tina2

NEW!



TINA2-R-CLIP16

Hyper Reflective white PC
H: 10,1 mm
D: 16,1 mm
Beam type: Wide

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
TINA2-D	16	89	6,9
TINA2-M	29	86	2,5
TINA2-O	35 x 16	87	3,5
TINA2-RS	14	91	10,4
TINA2-W	46	87	1,37
TINA2-WW	58	87	0,9
TINA2-R	TBA	TBA	TBA



TINA2-SS

PMMA / PC
H: ≈10 mm
D: 16,1 mm
Beam type: Smooth spot



TINA2-M

PMMA / PC
H: ≈10 mm
D: 16,1 mm
Beam type: Medium

TINA3

www.ledil.com/tina3

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
TINA3-00	59 x 39	90	1,20
TINA3-S	13	77	8,40
TINA3-W	39	90	1,70
TINA3-WW	53	90	1,00
TINA3-WWW	71	88	0,60



TINA3-S

PMMA / White PC
H: 11,5 mm
D: 16,1 mm
Beam type: Spot



TINA3-W

PMMA / White PC
H: ≈7 mm
D: 16,1 mm
Beam type: Wide

Single lenses

STRADA

www.ledil.com/strada



STRADA-C2

D: 19,6 x 15,6 mm
H: 6,4 mm
PMMA
Typ. FWHM: 120°
Typ. eff: 92%



STRADA-DW

D: 19,6 x 15,7 mm
H: 9,6 mm
PMMA
Typ. FWHM: 89° x 142°
Typ. eff: 92%



STRADA-C

D: 19,6 x 15,6 mm
H: 5,3 mm
PMMA
Typ. FWHM: 125°
Typ. eff: 92%



STRADA-C2-CLIP

D: 19,6 x 15,6 mm
H: 6,9 mm
PMMA
Typ. eff: 92%



STRADA-DN

D: 19,6 x 15,7 mm
H: 5,9 mm
PMMA
Typ. FWHM: 107° x 58°
Typ. eff: 92%

LEILA

www.ledil.com/leila



LEILA-RS

PMMA / PC
H: ≈14 mm
D: 21,6 mm
Beam type: Real spot



LEILA-M

PMMA / PC
H: ≈13 mm
D: 21,6 mm
Beam type: Medium

NEW!



LEILA-R-CLIP16

Hyper reflective PC
H: 13 mm
D: 21,6 mm
Typ. FWHM: 73°
Typ. efficiency: 90%
Beam type: Extra² Wide

Beam type code	Typ. FWHM	Typ. eff.	Typ. cd/lm
-MD	24	90	TBA
-O	39 x 11	88	4,8
-O-90	11 x 39	89	4,6
-REC	37 x 26	84	2,4
-RS	9,6	94	23,1
-RS2	8,5	90	22,1
-SS	12	COP	
-W	42	90	1,6
-WW	42	TBA	TBA

BARBARA

www.ledil.com/barbara



BARBARA-S

Metallized PC
H: 44,7 mm
D: 70 mm
Beam type: Spot

BARBARA-WX

Hyper Reflective PC
H: 44,7 mm
D: 70 mm
Beam type: Extra² W



One system,
endless possibilities



LENA

www.ledil.com/lenafamily

Code	Beam type	Diameter	Height	Typ. FWHM	Typ. Eff.	Typ. cd/lm
LENA-M	M	111	86	22	83	2,5
LENA-M-DL	M	111	87	22	77	3,4
LENA-S	S	111	86	11	85	7,6
LENA-S-DL	S	111	87	14	80	5,6
LENA-SS	SS	111	84,6	18	82	5
LENA-SS-DL	SS	111	87	16	74	5
LENA-W	W	111	85,4	46	82	1,3
LENA-WAS	WAS	111	39,1	Asym	82	1,1
LENA-WAS-DL	WAS	111	41,2	Asym	76	0,86
LENA-W-DL	W	111	87	45	75	1,3
LENA-X-WAS	WAS	111	39,6	Asym	87	
LENA-X-WAS-DL	WAS	111	42	Asym	80	

LENINA

www.ledil.com/leninafamily

Code	Beam type	Diameter	Height	Typ. FWHM	Typ. Eff.	Typ. cd/lm
LENINA-M	M	74	46	31	87	2,1
LENINA-M-DL	M	74	48	35	80	1,6
LENINA-S	S	74	46	19	88	4,5
LENINA-S-DL	S	74	48	23	81	3,1
LENINA-W	W	74	46	53	87	1,1
LENINA-W-DL	W	74	48	54	80	1
LENINA-XW	XW	74	47	73	89	0,6
LENINA-XW-DL	WWW	74	48,6	68	82	0,6

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

Single lenses

TYRA / TYRA2 / TYRA3

www.ledil.com/tyra



TYRA-S
Metallized PC
H: 23,1 mm
D: 40 mm
Beam type: Spot



TYRA3-WW
Metallized PC
H: 22,5 mm
D: 40 mm
Beam type: Extra W

Code	Typ. FWHM	Typ. cd/lm
-M	32	90
-S	20	89
-W	47	91
-WW	64	90

BROOKE

www.ledil.com/brooke



BROOKE-SCR-M
Metallized PC
H: 20,2 mm
D: 45 mm
Beam type: Medium



BROOKE-S
Metallized PC
H: 20,1 mm
D: 45 mm
Beam type: Spot

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
BROOKE-M	28	92	2,2
BROOKE-SCR-M	24	91	2,5
BROOKE-S	24	94	
BROOKE-SCR-W	42	91	1,2
BROOKE-W	46	92	1,24



BROOKE-W
Metallized PC
H: 21,1 mm
D: 45 mm
Beam type: Wide

MIRELLA

www.ledil.com/mirellafamily

- Manufactured from impact-resistant, UL 94 V-2 rated, polycarbonate
- Available with an optional diffusing lens, molded from PMMA
- Optimized for use with larger single-die lighting class LEDs and COB array LEDs

Code	Typ. FWHM	Typ. Eff.	Typ. cd/lm	Fastening
MIRELLA-50-M	27	90	2,8	glue
MIRELLA-50-M-DL	34	84	1,9	glue
MIRELLA-50-M-PIN	23	86	3,2	pin
MIRELLA-50-M-PIN-DL	34	80	1,6	pin
MIRELLA-50-S	15	92	8,5	glue
MIRELLA-50-S-DL	20	85	4,9	glue
MIRELLA-50-S-PF	17	88	5,4	socket, screw
MIRELLA-50-S-PIN	11	87	12,3	pin
MIRELLA-50-S-PIN-DL	15,3	82	5,5	pin
MIRELLA-50-W	41	90	1,6	glue
MIRELLA-50-W-DL	47	83	1,2	glue
MIRELLA-50-W-PIN	33	86	1,6	pin
MIRELLA-50-W-PIN-DL	49	79	1	pin

NEW!



MIRELLA-50-S-PF
Metallized PC / PC
H: 24,8 mm
D: 49,9 mm
Beam type: Spot



MIRELLA-50-M-DL
Metallized PC / PC
H: 23,9 mm
D: 49,9 mm
Beam type: Medium

The information contained herein is the property of LEDIL Oy, Satorankatu 10, FI-24240 SALO, Finland and is subject to change without prior notice. Please visit www.ledil.com for additional information, such as the latest photometric files, 3D mechanical models, and application notes relating to handling, gluing and taping.