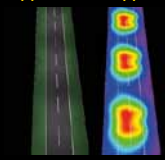
LEDiL®

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 2.500 cost-effective optical solutions to our customers' needs.

Application support



Custom solutions

Symmetric

Asymmetric

Reflectors

Arrays

www.ledil.com

Autumn 2014

LEDiL®

Global Supplier of LED Optics for Demanding Applications

Ledil, with design expertise in Finland and production facilities in Europe and China, is leading optics supplier to the world's premier lighting manufacturers. The innovative lenses and reflectors we produce provide optimal optic performance and durability. Relationships with top LED manufacturers allow Ledil to release products alongside newest LEDs; our customers enjoy rapid development and deployment of new fixtures with latest technology. We are THE optics partner to ensure that your LED lighting fixture is the most efficient and innovative on the market. Our engineers possess a "can do, will do" attitude based on quality, innovation and collaboration. Ledil has genuine desire to offer our clients competitive solutions and products and our staff consist of skillful and innovative experts that possess the latest knowledge of LED optics solutions.

Ledil Oy
Salorankatu 10, FI-24240 SALO, Finland
www.ledil.com

Local sales and technical support available in following countries
USA, China, Germany, UK, Benelux, Italy, Spain, Portugal
See www.ledil.com

Shipping locations
Salo, Finland
Hong Kong, China

Franchised Distribution Partners
See www.ledil.com

Dear Customer

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

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.

Subscribe to our newsletter and get the latest product information at **www.ledil.com/subscribe**

LED compatibility:

Cree
- CXA1310
- CXA15
- CXA1520
- CXA1816
- CXA1830
- CXA2011
- CXA25
- CXA30
- CXA35
- MC-E
- MC-E RGB
- MK-R
- MK-R2
- ML-E
- MP-L
- MT-G
- MT-G2
- MX-3
- MX-6
- XB-D
- XB-H
- XH-B/G
- XM-L
- XM-L EZW
- XM-L HVW
- XM-L2
- XM-L RGB
- XP-E
- XP-E-HEW
- XP-E2
- XP-G
- XP-G2
- XP-L
- XQ-D
- XQ-E
- XR-E
- XT-E
- XT-E HVW

Optogan
- OLP-x5050F6L
- OLP-5065F6L-06A

Osram
- DDr
- Duris E5
- DurisP5
- DurisS5
- DurisS8
- GDr
- GDr+
- IR Dragon
- OsISq EC
- OsISq PC
- OsI SSL150
- OsI SSL80
- Ostar L
- Ostar L+
- Ostar-SMT RGB
- PDr
- PrL C AC(LEP-2000)
- PrL C AC(LEP-800)
- PrL C Z3 LES19
- PrL C Z3 LES23
- PrL C Z3 LES9
- PrL C Z4 LES19
- SFH-4751
- SFH 4715S (IR)
- Soleriq E30
- Soleriq P6
- Soleriq P9
- Soleriq S13
- Soleriq S19

Tridonic
- S-SLE G2 LES19
- S-SLE G2 LES23
- S-SLE G2 LES26
- S-SLE G3 LES19
- S-SLE G3 LES23
- S-SLE-P G3 LES10
- S-SLE-P G3 LES17

Stanley
- Stanley3J
- Stanley6J

Nichia
- 107
- COB204
- NC4U133A
- NC4U134A
- NCSU033A
- NCSU033B
- NCSU034A
- NCSU034B
- NCSxx19A
- NCSxx19B
- NF2x757A
- NF2x757D
- NJSx036
- NS3x83
- NS6x83
- NS9x383
- NSBxL066A
- NSBxL110
- NSBxL121A
- NSCxJ216A
- NSCxL036A
- NSMx286M
- NSSW157T
- NVSxx19A
- NVSxx19B

Samsung
- LC026B/LC040B
- LH351A(3535)
- LH351B
- LM231A/B
- LM362A
- LM561B
- Sunnix5

Vossloh-Schwabe
- WU-M-461
- WU-M-462
- WU-M-464
- WU-M-484
- WU-M-485
- WU-M-486

LUXEON
- LX A
- LX CoB1203
- LX CoB1204/1205
- LX CoB1208
- LX H50-2
- LX K12
- LX K16
- LX K2
- LX K4
- LX K8
- LX M
- LX MZ
- LX PWT
- LX Q
- LX R
- LX Rebel
- LX Rebel ES
- LX Rebel+
- LX S
- LX S2000
- LX S3000
- LX S5000
- LX T
- LX TX
- LX Z
- LX Z ES
- LX Z RGB
- LZ4 RGB

Sharp
- Double Dome
- Mega Zenigata
- Mini Zenigata
- Tiger Zenigata

LedEngin
- LZ1(00U600)
- LZ1(00UA00)
- LZ1(00xW00)
- LZ4(00xW00)

Bridgelux
- BXRA ES R
- BXRA ES S
- BXRA LS
- BXRA RS
- SM4
- Vero10
- Vero13
- Vero18
- Vero29
- V6
- V8
- V10

Luminus
- CSM-360-W
- CXM-14
- CXM-18
- CXM-6
- CXM-7
- CXM-9
- SSM-80
- SST-50
- SST 90

Seoul
- MJT4040
- AX3221
- P4
- P5
- P7
- Z5
- Z5 M
- Z5 M1
- Z5 P
- ZC12/18
- ZC25/40
- ZC6

Avago
- Jade
- 5630

Citizen
- CLL01x
- CLL02x
- CLL03x
- CLL04x
- CLL05x
- CL-L230
- CL-L233
- CL-L251
- CL-L330
- CL-L340
- CL-L400

LG
- Cer 3535
- COB-4W
- COB-10W
- COB-13W
- COB-17W
- COB-24W
- H35B0
- H35C0
- H35C1
- LG 3030
- LG5630
- LG6030

Lite-On
- LTPL-M036
- LTPL-M074

DDr = Diamond Dragon
OsISq = Oslon Square
Ostar L = Ostar Lighting
PrL C = PrevaLED Core
S-SLE = STARK SLE
S-SLE-P = STARK SLE PURE

The information contained herein is the property of LEDiL Oy, Salorankatu 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.

LARISA

www.ledil.com/larisa

XP-E
XP-G
XB-D
NCSxx19A
NF2x757A
NF2x757D
NVSxx19A
Osl SSL150
Osl SSL80
OslSq EC
OslSq PC
DurisS5
LX A
LX Rebel
LX Rebel ES
LX Z
H35C0
H35B0

LARISA-O
PMMA / Black PC
H: 7,5 mm
D: 9,9 x 9,9 mm
Beam type: Oval

LARISA-W
PMMA / Black PC
H: 7,5 mm
D: 9,9 x 9,9 mm
Beam type: Wide

LARISA-M
PMMA / Black PC
H: 7,5 mm
D: 9,9 x 9,9 mm
Beam type: Medium

Code	Typ. FWHM	Typ. Eff.	Typ. cd/lm
LARISA-M	32	86	2,2
LARISA-O	40 x 22	81	2,1
LARISA-RS	19	80	3,7
LARISA-W	48	85	1,2
LARISA-WW	57	84	0,9
LARISA-RZ	27	77	1,9

LARISA-RZ
PMMA / Black PC
H: 7.5 mm
D: 9.9 x 9.9 mm

LISA

www.ledil.com/lisa

XP-E
XP-G
LX Rebel
GDr
PDr
Z5

LISA-SS
PMMA / White PC
H: ≈7,3 mm
D: 10,8 mm
Beam type:
Smooth spot

LISA-RS
PMMA / White PC
H: ≈7,3 mm
D: 10,8 mm
Beam type: Real spot

LISA2

www.ledil.com/lisa2

H35C1
H35C0
OslSq EC
Osl SSL150
Osl SSL80
SFH 4715S (IR)
DurisP5
LX A
LX H50-2
LX Q
LX Rebel ES
LX Rebel
LX T
LX Z
LX Z ES
Double Dome
NCSxx19A
NCSxx19B
NVSxx19A
XB-D
XP-E
XP-E2
XP-G
XP-G2
XT-E
XQ-E
Z5

LISA2-RS-PIN
PMMA / Black PC
H: ≈6,6 mm
D: 9,9 mm
Beam type: Real spot

LISA2-R-PIN
Hyper Reflective white PC
H: ≈6,6 mm
D: 9,9 mm
Beam type: Extra² wide

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
LISA2-M	22	89	2,8
LISA2-O	45 x 21	82	2,2
LISA2-O-90	19 x 48	82	2,2
LISA2-O-90-PIN	48+18°	83	TBA
LISA2-RS	19	89	3,1
LISA2-W	34	88	1,8
LISA2-WW	46	89	1,1
LISA2-WWW	80	83	0,4

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 optical datasheets.

TINA

www.ledil.com/tina

LX A | LX T
LX Rebel
LX Rebel ES
LX H50-2
LX Z ES
GDr+
OsI SSL150
OsI SSL80
SFH 4715S (IR)
MX-6 | XP-E
XP-G | XT-E
XP-G2
NCSxx19A
NS6x83
LH351A(3535)
3535H
ZS | ZS M

TINA-WW
PMMA / White PC
H: ≈10 mm
D: 16,1 mm
Beam type:
Extra wide

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
TINA-D	16	92	6,1
TINA-M	29	88	2,1
TINA-O	34 x 15	89	3,4
TINA-RS	13	93	10,9
TINA-W	48	91	1,3
TINA-WW	61	91	0,8

TINA2

www.ledil.com/tina2

MX-6 | XB-D
XM-L | XM-L2
XP-E | XP-E2
XP-E-HEW
XP-G | XP-G2
XT-E
CL-L400
OLP-x5050F6L
NCSxx19A
NF2x757A
NS3x83
NS6x83
NS9x153
NVSxx19A
NVSxx19B
LX Z ES
LX R | LX T
LX Rebel
LX Rebel ES | A
DurisS5
GDr+
OsISq EC
OsISq PC
OsI SSL150
OsI SSL80
SFH 4715S (IR)
ZS
Jade
H35C0
H35B0
H35C1

TINA2-R-CLIP16
Hyper Reflective white PC
H: 10,1 mm
D: 16,1 mm
Beam type: Wide

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

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

TINA3

www.ledil.com/tina3

OsISq EC
OsI SSL150
OsI SSL80
DurisS5
LX T
LX H50-2
LX Rebel
LX Rebel ES
Double Dome
CL-L400
NCSxx19A
NVSxx19A
NS9x383
NF2x757A
XM-L2
XM-L XT-E
XP-E2
XP-G2
XM-L EZW
XP-L
ZS M1

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

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
TINA3-OO	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

FLORENTINA

www.ledil.com/products

TINA2-L12 multiholder
12-up with glare
protection

FLORENTINA-SHD
PC
H: 22.5 mm
D: 286.8 x 27.5 mm

FLORENTINA-HLD
PC
H: 10.2 mm
D: 285.6 x 19.5 mm

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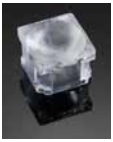
ROSE

www.ledil.com/rose

ROSE Smooth spot
Material: PC / PC
H: 13 mm
D: 21,6 x 21,6 mm

ROSE Extra wide
Material: PC / PC
H: 13,5 mm
D: 21,6 x 21,6 mm



ROSE Medium
Material: PC / PC
H: 15,6 mm
D: 21,6 x 21,6 mm

Beam type code	Typ. FWHM	Typ. eff.	Typ. cd/lm
-D	16	85	7,1
-M	30	83	2,5
-MD	24	TBA	TBA
-O	43 x 15	81	3,1
-O-90	13 x 44	81	3,6
-RS	11	88	21,7
-SS	15	87	9,37
-W	51	81	1,1
-WW	59	TBA	0,78
-WWW	80	84	0,4

MC-E
MX-3
MX-6
XM-L
XM-L EZW
XM-L2
XP-E
XP-E-HEW
XP-G
XR-E
P4
Z5
GDr+
NJSx036
NS6x83
NS9x153
NCSU033A
LX K2
LX Rebel
LX Rebel ES
LX Rebel ES+
OIP-X5050F6L
Stanley3J
Stanley 6J
H35C0

ROSE-UV

www.ledil.com/rose

LEDiL's next generation of UV optics for Nichia type packaged UV-LEDs offers substantially improved performance and durability over previous generation optics. With the introduction of new materials such as optical grade silicones LEDiL has been able to considerably increase optical efficiency and UV resistance of the optics.

NCSU033A
NCSU033B
NC4U133A
NCSU034A
NCSU034B
NC4U134A

FCA14011_G2-NIS033U-S
Silicone/PC
H: 12.9 mm
D: 21.6 x 21.6 mm
Efficiency: 92%
Beam type: Spot

FCA14405_G2-NIS033U-M
Silicone/PC
H: 12.9 mm
D: 21.6 x 21.6 mm
Efficiency: 91%
Beam type: Medium

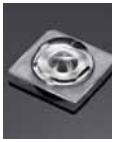
FCA14464_G2-NIS033U-W
Silicone/PC
H: 12.9 mm
D: 21.6 x 21.6 mm
Beam type: Wide

SIRI-A

www.ledil.com/siri

SIRI family is a series of specialty optics for wide area lighting applications.

XP-E
XB-D
XM-L
XM-L2
XP-G
XP-G2
XT-E
OsISq EC
OsISq PC
OsI SSL150
NS9x383
NVSxx19A
NVSxx19B
LX A
LX R
LX Rebel ES



SIRI-A
PMMA
H: 13,9 mm
D: 4,2 mm
Beam type:
Wide area lighting

SIRI-DOME
PMMA
H: 13,9 mm
D: 4,9 mm
LED cover with no effect on the light

SIRI-DIFF
PMMA
H: 13,9 mm
D: 4,9 mm

TWIDDLE

www.ledil.com/twiddle

NS6x83
MX-6
XR-E
XP-G
XP-G2
XT-E

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
TWIDDLE-D	20	81	TBA
TWIDDLE-M	32	72	TBA
TWIDDLE-RZ-D	TBA	TBA	TBA
TWIDDLE-RZ-M	TBA	TBA	TBA

TWIDDLE-D
PMMA
H: 14,3 mm
D: 21,6 mm
Beam type:
Diffused spot

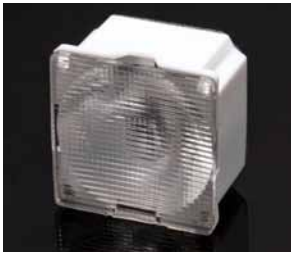
FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/ optic combination. Go to www.ledil.com for LED specific values and optical datasheets.

LAURA GenII

www.ledil.com/laura

LAURA GenII is the next generation of LEDiL's classic LAURA family. New LAURA GenII optics feature new thinner holder design. GenII optics are backwards compatible with previous generations and offer the same beam specifications and exceptional quality of light at even more affordable price.

Ostar L
OslSq EC
OslSq PC
Osl SSL150
Osl SSL80
SFH 4715S (IR)
XB-D
XP-E2
XP-E
XP-E-HEW
XP-G
XP-G2
XP-L
XT-E
Cer 3535
H35C0
H35C1
Stanley3J
Stanley 6J
107
NCSxx19A
NCSxx19B
NF2x757A
NS9x153
NVSxx19A
LX A
LX H50-2
LX PWT
LX Q
LX R
LX Rebel
LX Rebel ES
LX T
LX Z ES
Double Dome
CL-L400
Jade
Z5



G2-LAURA-O-WAS

PMMA / PC
H: ≈13 mm
D: 21,6 x 21,6 mm
Beam type:
Wall washer

G2-LAURA-WW

PMMA / PC
H: ≈13 mm
D: 21,6 x 21,6 mm
Beam type:
Extra wide

G2-LAURA-M

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

G2-LAURA-RS

PMMA / PC
H: ≈13 mm
D: 21,6 x 21,6 mm
Beam type: Real spot

GenII LAURA ordering codes	Typ. FWHM	Typ. eff.	Typ. cd/lm
CA13629_G2-LAURA-D-P	13	93	9,3
CA13627_G2-LAURA-M-P	30	92	2,6
CA13631_G2-LAURA-O-P	40 x 13	91	4,8
CA13628_G2-LAURA-RS-P	8	93	33,2
CA13630_G2-LAURA-SS-P	11	93	16,5
CA13634_G2-LAURA-W-P	46	91	1,55
CA13633_G2-LAURA-WW-P	66	86	0,7
CA13636_G2-LAURA-R-XW-P	72	86	0,6
CA13632_G2-LAURA-R-W-P	70	81	0,8
CA13639_G2-LAURA-SS-WAS-P	Asymmetric	92	11,6
CA13638_G2-LAURA-O-WAS-P	Asymmetric	84	2,6
CA13637_G2-LAURA-O90-P	TBA	TBA	TBA

LAURA

www.ledil.com/laura

LAURA-RS

PMMA / PC
H: ≈13 mm
D: 21,6 x 21,6 mm
Beam type: Real spot

LAURA-R-XW

Hyper Reflective
PC / PC
H: ≈13 mm
D: 21,6 x 21,6 mm
Beam type:
Extra² wide

Ostar L
OslSq EC
OslSq PC
Osl SSL150
Osl SSL80
SFH 4715S (IR)
XB-D
XT-E
XP-E2
XP-E
XP-E-HEW
XP-L
XP-G
XP-G2
Cer 3535
H35C0
H35C1
NCSxx19A
107
NCSxx19B
NF2x757A
NS9x153
NVSxx19A
LX A
LX T
LX H50-2
LX PWT
LX Rebel
LX R
LX Rebel ES
LX Z ES
LX Q
Stanley3J
Stanley 6J
Double Dome
CL-L400
Jade
Z5

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
LAURA-D	15	88	6,2
LAURA-M	29	88	2,5
LAURA-O	40 x 12	88	4,3
LAURA-RS	8	93	30,5
LAURA-SS	11	91	14,5
LAURA-W	42	88	1,7
LAURA-WW	66	86	0,70
LAURA-XW	72	85	0,6
LAURA-R-W	70	77	0,52

LAURA-SS-WAS

PMMA / PC
H: ≈13 mm
D: 21,6 x 21,6 mm
Beam type:
Wall washer

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LEILA GenII

www.ledil.com/leila

New LEILA GenII is the next generation of LEDiL's classic LEILA family, featuring a new thinner holder design.

GenII optics are backwards compatible with previous generations offering same beam specifications and exceptional quality of light at even more affordable price.

LEILA-G2-O-90

PMMA / PC
H: 14,7 mm
D: 21,6 mm
Beam type: Oval

LEILA-G2 Real Spot

PMMA / PC
D: 21,6 mm
H: 14,7 mm

LEILA-G2-D

PMMA / PC
H: 14,77 mm
D: 21,6 mm

GenII LEILA ordering codes	Typ. FWHM	Typ. eff.	Typ. cd/lm
CA14511_G2-LXP2-O-90-P	11 x 39	89	4,6
CA14512_G2-LXP2-O-90	11 x 39	89	4,6
CA14503_G2-LXP2-RS-P	9,6	94	23,1
CA14504_G2-LXP2-RS	9,6	94	23,1
CA14505_G2-LXP2-RS2-P	8,5	90	22,1
CA14506_G2-LXP2-RS2	8,5	90	22,1
CA14507_G2-LXP2-D-P	TBA	TBA	TBA
CA14508_G2-LXP2-D	TBA	TBA	TBA
CA14509_G2-LXP2-M-P	TBA	TBA	TBA
CA14510_G2-LXP2-M	TBA	TBA	TBA

LEILA

www.ledil.com/leila

LEILA-R-CLIP16

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

LEILA Real Spot

PMMA / PC
D: 21,6 mm
H: 13,3 mm

LEILA-M

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

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	TBA	
-W	42	90	1,6
-WW	42	TBA	TBA
-WAS	Asymm.	TBA	TBA

LEILA for UV lighting

Special products made of COP, an extremely UV-withstanding material suitable for various UV-lighting applications.

FCN12592_LE1-D-COP

LedEngin 5W UV (365nm)
Material: COP / PC
H: 15,1 mm
D: 21,6 mm
FWHM: 12°
Beam type: Smooth spot
Efficiency: 92%

FCN12592_LE1-D-COP

LedEngin 5W UV (400 nm)
Material: COP / PC
H: 15,1 mm
D: 21,6 mm
FWHM: 12°
Beam type: Smooth spot
Efficiency: 92%

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 optical datasheets.

SFH 4715S (IR)

IRENE

www.ledil.com/products

LEDiL's IRENE is especially developed with square beam-pattern for IR-CCT camera chip compatibility.

IRENE-IR-16
PMMA / PC
H: 14,3 mm
D: 21,6 mm
FWHM: 20° + 19° (sim.)

Code	Typ. FWHM	Height	Diameter
IRENE-IR-4	67° + 67°	14,3	21,6
IRENE-IR-8	32° + 32°	14,3	21,6
IRENE-IR-12	25° + 25°	14,3	21,6
IRENE-IR-16	20° + 19° (sim.)	14,3	21,6
IRENE-IR-25	11° + 9° (sim.)	14,3	21,6

IRINA

XP-E
XP-G

www.ledil.com/irina

IRINA-RS
PMMA / PC
H: 11,7 mm
D: 24,7 mm
Beam type: Real spot

TITANUM / SPUTNIK

TITANUM / SPUTNIK family of optics for Osram and Seoul LEDs. Versions that have ordering code ending with -C have metallized coating making them suitable for potting. Go to www.ledil.com for specific order codes and more information.

GDr+
PDr
IR Dragon
P4
P5

www.ledil.com/products

Code	Typ. FWHM	Typ. eff.
TITANUM/SPUTNIK-M	26	87
TITANUM/SPUTNIK-O	36 X 8	89
TITANUM/SPUTNIK-SS	9	84
TITANUM/SPUTNIK-W	66	71

TITANUM/ SPUTNIK-90-C
PMMA / PC
H: 14,3 mm
D: 21,6 mm
Beam type: Oval

EMILY

www.ledil.com/emily

Double Dome
LX A
LX H50-2
LX Rebel
LX Rebel +
LX T
LX Rebel ES
OsISq EC
OsI SSL80
OsI SSL150
NCSxx19A
NCSxx19B
NVSxx19A
NVSxx19B
NS9x383
XM-L HVW
XP-E
XP-E2
XP-G
XP-G2
XP-L
XM-L
XM-L2
XT-E
Z5
Z5 M1

EMILY-O-WAS
PMMA,
H: 14,8 mm,
D: 26 mm
Beam type: Tilted oval

EMILY-M
PMMA
H: 15,1 mm
D: 26 mm
Beam type: Medium

EMILY-WWW
PMMA
H: 13,3 mm
D: 26 mm
Beam type: Extra² wide

EMILY-O
PMMA
H: 15,1 mm
D: 26 mm
Beam type: Oval

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
EMILY-SS-WAS	8	90	12
EMILY-O-WAS	43 x 10	87	3,6
EMILY-D	11	91	14
EMILY-M	18	91	7,4
EMILY-M2	29	89,2	3,05
EMILY-O	44 x 10	89	4,5
EMILY-O-90	45 x 10	89	4,2
EMILY-SS	11	80	13,4
EMILY-W	39	86	1,5
EMILY-WWW	58	86	1
EMILY-RS	8	90	29,5

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EVA

www.ledil.com/eva

MC-E
MK-R
XM-L
XM-L EZW
XM-L HVW
XM-L2
XT-E
XP-G2
NS9x383
NSMx286M
LX M
LX MZ
DurisS8

EVA-S
PMMA
H: 16,4 mm
D: 35 mm
Beam type: Spot

EVA-M
PMMA / PC
H: 16,4 mm
D: 37,7 mm
Beam type: Medium

EVA-WW
PMMA / PC
H: 16,4 mm
D: 37,7 mm
Beam type:
Extra wide

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
EVA-D	16	80	4,92
EVA-M	24	89	3,2
EVA-O	38 x 17	85	3,06
EVA-S	13	93	TBA
EVA-W	38	83	1,4
EVA-WW	53	82	1,7
C10685_EVA-M	26	89	2,8

EVA-O
PMMA
H: 16,4 mm
D: 35 mm
Beam type: Oval

MIRA

www.ledil.com/mira

V10
BXRA ES S
CXA15
MT-G
MT-G2
MK-R
LX A
LX M
LX K4
LX MZ
NSCxL036A
NSMx286M
LTPL-M036

MIRA-WW
PC / PC
H: ≈16 mm
D: ≈35 mm
Beam type:
Extra wide

MIRA-M
PC / PC
H: ≈16 mm
D: ≈35 mm
Beam type: Medium

MIRA-W
PC
H: 14,7 mm
D: 32,4 mm
Beam type: Wide

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
MIRA-M	28	83	2,1
MIRA-W	38	82	1,5
MIRA-WW	58	83	0,9

KIKI

www.ledil.com/products

LX T
XT-E

KIKI-A lens designed for backlighting applications. An optical design carefully optimised for maximally uniform light distribution even for wider distances between LED placements.

KIKI-A
PMMA
H: 5.9 mm
D: 21.6 x 14 mm
Beam type:
Wide-Area Lighting

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
KIKI-A	163	92	0.28
KIKI-B	TBA	TBA	TBA

EYA

www.ledil.com/eya

PDr

EYA-O
PMMA / PC
H: 29,1 mm
D: 30,4 mm
Beam type: Oval

EYA-S
PMMA / PC
H: 29,1 mm
D: 30,4 mm
Beam type: Spot

JULIA-A

www.ledil.com/julia

Osl SSL150
Osl SSL80
LX Rebel
LX Rebel ES
XP-E
XP-E2
XP-G
XP-G2
XT-E
NCSxx19A
NVSxx19A
Z5

JULIA-A
PMMA
H: 4,8 mm
D: 18,8 mm
Beam type:
Wide area 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 www.ledil.com for LED specific values and optical datasheets.

HEIDI

www.ledil.com/heidi

HEIDI-WR
PMMA, H: 11,7 mm, D: 21,6 mm
Beam type: Round

HEIDI-W2
PMMA
H: 11,7 mm
D: 21,6 mm
Beam type: Wide

HEIDI-O
PMMA
H: 11,7 mm
D: 21,6 mm
Beam type: Oval

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
HEIDI-D	10	90	14,8
HEIDI-M	26	89	3,8
HEIDI-O	49 x 11	87	4,5
HEIDI-O-90	13 x 44	87	4,7
HEIDI-RS	8	92	21,8
HEIDI-SS	15	90	6,8
HEIDI-W	32	87	2,6
HEIDI-W2	45	80	1,1
HEIDI-WR	31	TBA	TBA
HEIDI-REC	TBA	TBA	TBA
HEIDI-REC-90	TBA	TBA	TBA

OsiSq EC
OsiSq PC
Osi SSL150
Osi SSL80
ML-E XM-L
XB-D XB-H
XP-E XP-E2
XT-E XP-L
XP-G XP-G2
Z5 M1
Z5P Z5
Cer 3535
H35C0
107
NCSxx19A
NCSxx19B
NVSxx19A
NVSxx19B
NF2x757A
NSSW157T
LX H50-2
LX PWT
LX R LXT
LX Rebel LX A
LX Rebel ES
Double Dome

FLARE

www.ledil.com/flarefamily

FLARE-MINI-A
PMMA
H: 8,6 mm
D: 16 mm
Beam type: Oval

FLARE-C
PMMA
H: 14,6 mm
D: 24,5 x 24,5 mm
Beam type: Rectangular

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLARE-B	102 x 11	93	1,6
FLARE-C	87 x 8	93	3,2
FLARE-C-D	95 x 21	93	1
FLARE-MAXI	99 x 13	94	2,3
FLARE-MAXI-D	108 x 15	94	1,8
FLARE-MINI-A	106 x 20	94	1,1
FLARE-MINI-AD	98 x 19	94	1,1
FLARE-MINI-AD-PIN	98 x 19	94	1,1
FLARE-MINI-A-PIN	106 x 20	94	1
LEDIL-FLARE	138 x 20	92	1,3

FLARE-MAXI-D
PMMA
H: 16,7 mm
D: 33,9 x 33,9 mm
Beam type: Rectangular

FLARE-MAXI
PMMA
H: 16,7 mm
D: 33,9 x 33,9 mm
Beam type: Rectangular

FLARE-MINI-AD
PMMA
H: 8,6 mm
D: 16 mm
Beam type: Oval

LX A
LX K2
LX H50-2
LX M
LX M Z
LX Rebel
LX Rebel ES
LX T
Double Dome
NCSxx19A
NCSxx19B
NS9x383
NVSxx19A
NVSxx19B
OsiSq EC
OsiSq PC
Osi SSL150
Osi SSL80
MK-R
XB-D
XM-L
XM-L2
XP-E
XP-E2
XP-G
XP-G2
XP-L
XR-E
XT-E
H35C0
H35C1
Z5
Z5 M1

IRIS

www.ledil.com/iris

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
IRIS-M	26	86	2,7
IRIS-O	39 x 28	84	1,9
IRIS-RS	5	93	66
IRIS-RS2	9	91	19,2
IRIS-S	13	89	10,9

IRIS-O
PMMA / PC
H: ≈29 mm
D: 38 mm
Beam type: Oval

IRIS
PMMA / PC
H: ≈28 mm
D: 38 mm
Beam type: Spot

IRIS-M
PMMA / PC
H: ≈29 mm
D: 38 mm
Beam type: Medium

MC-E XP-L
XM-L XM-L2
XP-E XP-E2
XP-G XP-G2
MK-R XQ-E
Osi SSL150
Osi SSL80
Ostar L
OsiSq EC
SFH 4751 (IR)
LX H50-2
LX M LX M Z
LX Rebel
LX Rebel ES
LX T
NCSxx19A
NVSxx19A
NS9x383
SST-50 SST-90
Z5 Z5 M1
H35C1

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BILLIE

www.ledil.com/billie

LX A
LX R
LX Rebel
LX Rebel ES
NCSxx19A
NF2x757A
NSSW157T
NVSxx19A
OsI SSL80
OsI SSL150
DurisS5
XB-D
XP-E
XP-G
XP-G2
XT-E
Z5

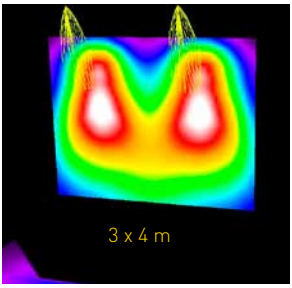
BILLIE-A
PMMA / PC
H: 16.1 mm
D: 21.5 mm
Beam type:
Asymmetric

BILLIE-B
PMMA / PC
H: 16.1 mm
D: 21.5 mm
Beam type:
Asymmetric

BILLIE, a rectangular wall-washing optic with excellent beam uniformity; another unique innovation made possible by LEDiL. Especially designed for indoor and outdoor architectural and billboard lighting, BILLIE is the perfect solution for small concealed fixtures.

APPLICATION EXAMPLE OF ENERGY EFFICIENT BILLBOARD LIGHTING

- Beam is tilted 18° to achieve even illumination of the billboard face
- Beam can be adjusted sideways with optional sublens
- Luminous flux: 884 lm
- Emin 104 lx, Emax 218 lx
- Typical uniformity 1:2



SEANNA-A

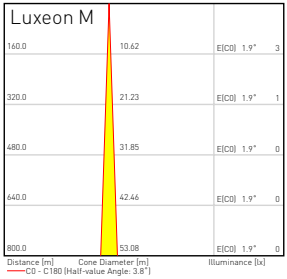
www.ledil.com/products

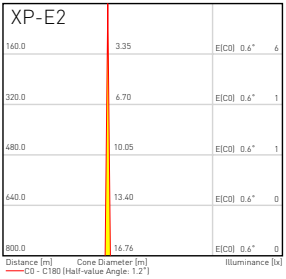
LX M
LX Rebel
LX Rebel ES
LX S
MK-R
XB-D
XM-L
XM-L2
XP-E
XP-E2
XP-G
XP-G2
XT-E
SSM-80

SEANNA's patent pending design has two optical elements. A primary TIR lens ensuring that all light will hit the secondary Fresnel resulting in maximum performance and efficiency.

- Optimized for a variety of high power LED's
- Peak value at 25m up to 800 cd/lm and spot as narrow as 1-3° depending on LED
- Holder design allows both pole and integrated installation options

SEANNA-A
PMMA
D: 152,6 mm
H: 79 mm
Beam type:Real Spot





VERONICA

www.ledil.com/veronica

LX M
LX A
LX Rebel
LX Rebel ES
LX MZ
LX T
Double Dome
NCSxx19A
NCSxx19B
NVSxx19A
NVSxx19B
OsISq EC
OsISq PC
OsI SSL80
OsI SSL150
XM-L
XM-L2
XP-E
XP-E2
XP-G
XP-G2
MK-R
XT-E
Z5 M1
Z5
H35C0

TIR lens for installations with potting resin.

VERONICA-RS
PMMA
H: 26 mm
D: 12,2 mm
Beam type: Real Spot

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
VERONICA-O	54 + 11°	84	4,2
VERONICA-RS	12	90	18,4
VERONICA-SQ-O	56+12	82	3,2
VERONICA-SQ-M	TBA	TBA	TBA
VERONICA-SQ-WW	TBA	TBA	TBA

AMELIA

www.ledil.com/products

LX S

AMELIA-S
PMMA
H: 45 mm
D: 27,1 mm
Beam type: Spot

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 optical datasheets.

BLONDIE

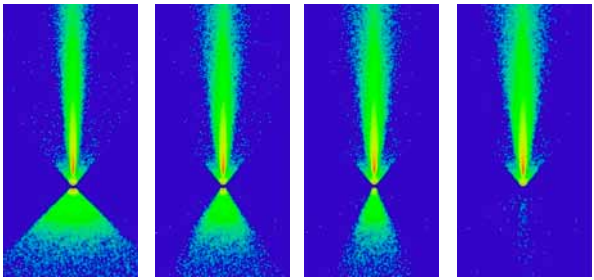
www.ledil.com/blondie

LX A
LX M
LX MZ
LX Rebel
MK-R
XM-L2
XP-G
XP-G2
XP-E2
NV5xx19B
OsISq EC

Blade type wall grazing luminaires are good choices for emphasizing details and adding structure to buildings. LEDiL created the BLONDIE reflector which produces a very tight blade type wall washing beam with a single LED source using only a few watts of energy.

To shape the double-sided beam of BLONDIE further, it comes with three interchangeable inserts. With these additional reflector pieces, the backside light can easily be shaped into different angles.

No insert | Wide insert | Narrow insert | Closed



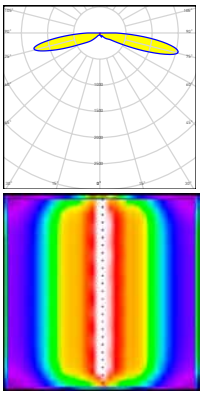
FRIDA-A

www.ledil.com/products

XP-G
XB-D

FRIDA-A FOR REFRIGERATOR LIGHTING

- Application area: 1,52 x 1,52 m
- Luminaire row installed along the centereline of the cabinet
- Emits light sideways giving optimal shelve illumination
- Eav : 795 lx
- Emin: 142 lx
- Emax: 2410 lx
- u0: 0,178



HELENA

www.ledil.com/helena

LX K8
LX K12
LX K16
CXA15
CXA25

Diamond turning is the method of choice when producing some of the very highest class optics in the world. We have used it to make HELENA, fresnel type lens having surface accuracy of a hundredth of a millimetre. This means better light control and efficiency – lighting the LEDiL way.

HELENA-A
PMMA
H: 11 mm
D: 72,8 mm
Beam type: Medium

HELENA-B
PMMA / PC
H: 11 mm
D: 72,8 mm
Beam type: Medium

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RGB-MIXING

www.ledil.com/rgb

- LEDiL patented technology
- Proprietary and patented microstructured surfaces

Typical applications:

- RGBX for stage lighting and architectural applications
- Adaptive color temperature
- Perfect CRI

LZ4 RGB
MC-E
MC-E RGB
XM-L RGB
Ostar-SMT RGB
P5

ANGELINA-RZ-S

PC / PC
H: 31 mm
D: 82 mm
Beam type: Spot
FWHM: 26°

ANGELA-RZ-W

PC / PC
H: 74.5 mm
D: 119.5 mm
Beam type: Wide
FWHM: 31°

GERI-RZ

PMMA/PC
H: 32,8 mm
D: 45 x 45 mm
Beam type: Wide
FWHM: 31°

RITA-A-RZ

Hyper Reflective PC
H: ≈19 mm
D: 35,1 x 28,9 mm
Beam type: Asymm.

RITA-WAS-RZ

Hyper Reflective PC
H: ≈17 mm
D: 31,9 x 28,4 mm
Beam type: Asymm.

REBECCA

PMMA / PC
H: 29,9 mm
D: 42 mm

MIRELLA-RZL

PC / PC
D: 49,9 mm
H: 25,8 mm
Beam types: -S, -M, -W, -XW

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
RGBX-M	30	70	TBA
RGBX-O	48+25	70	TBA
RGBX-SS	20	85	3,8
RGBX-HLD	TBA	TBA	TBA
RGBX2-M	34	68	1,5
RGBX2-O	48+24	66	1,5
RGBX2-S	20	77	4,6
ANGELA-RZ-S	10	90	11,0
ANGELA-RZ-M	18	84	3,0
ANGELA-RZ-W	38	83	1,4
ANGELA-RZ-XW	72	89	0,6
ANGELINA-RZ-S	25	89	1,8
ANGELINA-RZ-M	37	89	1,3
ANGELINA-RZ-W	54	89	1,0
ANGELINA-RZ-XW	TBA	TBA	TBA
REBECCA-RZ-WW	TBA	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 www.ledil.com for LED specific values and optical datasheets.

SAGA

www.ledil.com/saga

SAGA-HB-IP-WHT
Silicone
H: 12 mm
D: 50 mm
Beam type: HighBay
Typical FWHM: 62°

CLL01x
CLL02x
CLL03x
CXA1304
CXA1816
CXA15
Vero10
BXRA ES S
V10
CXM-6
CXM-7
CXM-9
Soleriq P6
Soleriq P9
Soleriq S13
Mini Zenigata
LTPL-M036

- TIR lens in optical grade silicone
- Precision-molded frame in Hyper-Reflective White PC
- Zhaga compliant fastening with two M3 screws 35 mm apart
- Average optical efficiency of 92 %

STELLA

www.ledil.com/stella

STELLA-A
Silicone
H: 22 mm
D: 90 mm
Beam type:
Asymmetric

CLL03x
CLL04x
CLL05x
LX K12
LX K16
LX CoB1208
CXA15
CXA25
CXA30
CXA35
CXA1816
Vero13
Vero18
Vero29
CXM-18
Soleriq S19
Soleriq S13
Mega Zenigata
LTPL-M074

- Self-sealing design simplifies luminaire design
- Very good thermal and UV-resistance
- Average optical efficiency of 92%
- STELLA-A street lighting lens featuring Type II / Type III light distribution depending on LES size
- STELLA-HB for warehouse and outdoor applications, works with COB's up to LES size 50

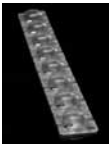
STELLA-HB
Silicone
H: 19.5 mm, D: 90 mm
Typical FWHM: 77°
Beam type: High Bay

JENNY

www.ledil.com/products

Cost effective silicone lens family designed for high power multi-crystal and COB LEDs. Can be installed with glue or optional holder.

JENNY-8X1-CY
Silicone
H: 11.5 mm
D: 280 x 35 mm
Typ. efficiency: 94%
Beam type:
Wide area lighting



JENNY-HLD-A-BLK
PC
H: 5 mm
D: 34.8 x 50 mm

JENNY-CY
Silicone
H: 11.5 mm, D: 35 x 35 mm
Typical efficiency: 94%
Beam type:
Wide area lighting

CLL01x
CLL02x
CXA1304
CXA1310
CXA15
CXA1520
MK-R
MX-6
XM-L EZW
LX M
NSMx286M
Mini Zenigata
V6
V8

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EMERALD

www.ledil.com/emerald

EMERALD-A
PMMA
H: 7,3 mm
D: 21,6 mm
Beam type: Rectangular
Typical FWHM: 150° x 20°

H35C0
H35B0
XB-D XT-E
XM-L XM-L2
XP-E XP-E2
XP-G XP-G2
OsISq EC
OsISq PC
OsI SSL150
OsI SSL80
Z5
LX A
LX M LX MZ
LX Rebel
LX Rebel ES
LX T LX R
NCSxx19A
NVSxx19A
NS9x38S

Cost effective and new one-LED, one-optic solution for exit route lighting. With EMERALD's extremely wide beam distribution it's possible to achieve EN 1838 compliant lighting for installation height to distance ratios up to and beyond 1:7. Extended illumination range and single LED design reduces costs of the fixture and installation significantly.

DOROTHY

www.ledil.com/dorothy

DOROTHY-4-A
PMMA
H: 4,5 mm
D: 50,6 mm
Beam type: Wide area

XP-E
XP-E2
XP-G
XT-E
XP-G2
LX A
LX R
LX Rebel
LX Rebel ES
LX Z ES
NCSxx19A
NCSxx19B
NVSxx19A
NVSxx19B

DOROTHY is an array of 4 side-emitting optics. It is designed for wide area lighting applications, especially anti-panic area lights.

Code	Beam Typer	Typ. FWHM	Typ. eff.	Typ. cd/lm
DOROTHY-4-A	Wide area	152	94	0,3
DOROTHY-4-B	Side-Emitting	TBA	TBA	TBA

LX A
LX Rebel
LX Rebel ES

LOTTA-A

www.ledil.com/products

LOTTA-A
PMMA
H: 3,6 mm
D: 19,6 + 15,4 mm
Beam type:
Wide area lighting

LOTTA is designed especially for wide-area and backlighting applications. This lens shares the mechanical design of LEDiL's classic single STRADA family. LOTTA is design to provide good uniformity over wide areas optimized for Philips Lumileds' Luxeon LEDs.

VENLA-IRIS

www.ledil.com/venla

VENLA-S-IRIS
PMMA / PC
H: 27,2 mm
D: 45 mm
Beam type: Spot

LX S
LX M
SSM-80
XM-L
XM-L2

VENLA-S-IRIS complements LEDiL's VENLA optics family by featuring one of the tightest spot beams available for Philips Lumileds' Luxeon S.

OONA-A

www.ledil.com/products

OsISq EC
OsISq PC

OONA-A
PMMA
H: 4,5 mm
D: 9,9 x 9,9 mm
Beam type: Oval

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 optical datasheets.

SOPHIE

www.ledil.com/products

SOPHIE
PMMA
H: 10,4 mm
D: 150 mm
Beam type: Asymmetric

XP-G
XT-E
XP-E
XB-D
OsISq PC
OsI SSL80
OsI SSL150
DurisS5
NF2x757A
NCSxx19A
NVSxx19A
NVSxx19B
LX Rebel
LX Rebel ES
LX T
LX R

SOPHIE linear optic is an excellent choice for backlighting and shelf lighting applications. It's asymmetric beam provides uniform illumination when installed inside the shelf - making your goods look great.

XB-D
XP-E2
XP-G
XP-G2
LX A
LX Rebel
OsISq EC
NCSxx19A
H35C0

EMMA

www.ledil.com/products

EMMA-A
PMMA
H: 5,7 mm
D: 9,9 x 9,9 mm
Beam type:
Side emitter

STRADA-S

www.ledil.com/products

STRADA-S
PMMA
H: 6,9 mm
D: 19,6 x 15,5 mm
Beam type:
Side emitter

STRADA-S-14
PMMA
H: 6,5 mm
D: 19,6 x 13,8 mm
Beam type:
Side emitter

LX A
LX Rebel
LX Rebel ES
LX Z ES
NCSxx19A
NVSxx19A
H35C0
OsISq EC
OsI SSL150
OsI SSL80
Double Dome
XB-D
XP-E
XP-G
Z5

MINNIE

www.ledil.com/minnie

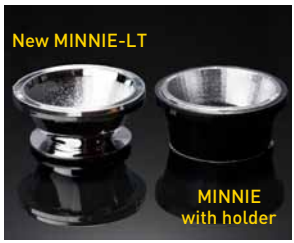
Available with or without holder. Diameter 35 mm (32,4 mm without holder), typical height ≈15 mm.

CXA15
MC-E
MT-G
MT-G2
MK-R
LX M
LX M Z
NSMx286M
SSM-80

MINNIE-LT-M
PC
H: 15.6 mm
D: 35 mm
Beam type:
Medium

MINNIE-LT-W
PC
H: 15.6 mm
D: 35 mm
Beam type:
Wide

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
MINNIE-M	24	72	2,6
MINNIE-W	33	76	2
MINNIE-WWW	69	91	0,9
MINNIE-XW	90	92	0,5
MINNIE-LT-M	21	92	2
MINNIE-LT-W	29	92	2



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BOOM

www.ledil.com/boom

BOOM-S
Metallized PC
H: ≈14 mm
D: 22,2 mm
Beam type: Spot

BOOM-M
Metallized PC
H: ≈14 mm
D: 22,2 mm
Beam type: Medium

MC-E
XR-E
LX M
LX MZ
AX3221
P7

BOOM-XW
Hyper Reflective PC
H: ≈14 mm
D: 22,2 mm
Beam type: Extra² W

Code	Typ. FWHM	Typ. cd/lm
BOOM-M	32	1,9
BOOM-S	18	3,6
BOOM-W	55	1,1
BOOM-XW	70	0,67

CXA15
NSBxL110
BXRA ES S
CL-L233
CLL02x
CL-L251
Mini Zenigata
SST-50
SST-90
Soleriq P6
Soleriq P9
LTPL-M036

BRIDGET / LILY / CINDY

www.ledil.com/products

-S
Metallized PC
H: 12,8 mm
D: 22,6 mm
Beam type: Spot

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

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
-M	41	87	1,5
-S	31	89	1,5
-W	57	88	1,1
BRIDGET-S-UNI	44	85	1,0
BRIDGET-M-UNI	52	84	1,1
BRIDGET-W-UNI	61	87	1,0

BOOMERANG

www.ledil.com/boomerang

Ostar L
LZ1(00xW00)
LZ4(00xW00)

BOOMERANG
Metallized PC
H: ≈14 mm
D: 22,2 mm
Beam type: Spot

TYRA / TYRA2 / TYRA3

www.ledil.com/tyra

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

CL-L233
MP-L
NSBxL110

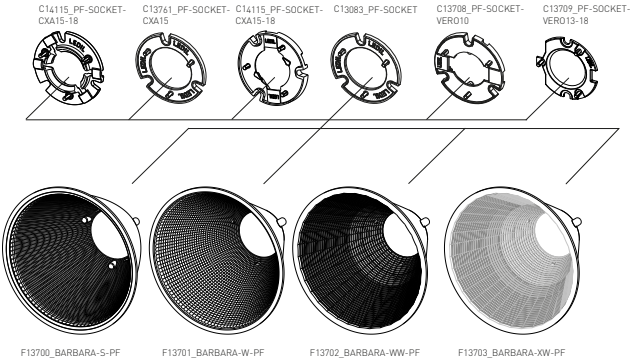
TYRA3-WW
Metallized PC
H: 22,5 mm
D: 40 mm
Beam type:
Extra wide

Code	Typ. FWHM	Typ. cd/lm
-M	32	90
-S	20	89
-W	47	91
-WW	64	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 www.ledil.com for LED specific values and optical datasheets.

BARBARA

www.ledil.com/barbara



BXRA ES R
Vero10
Vero13
Vero18
CXA1816
CXA2011
CXA15
COB-10W
COB-13W
COB-17W
COB-24W
CL-L330
CLL03x
NSBxL110
NSBxL066A
NSBxL121A
NSCxJ216A
S-SLE-P G3 LES17
Solerig P6
Solerig P9
LTPL-M036

Code	LED	Typ. FWHM	Typ. eff.
BARBARA-S		17	90
BARBARA-S-PF		TBA	TBA
BARBARA-S-PF	CXA15	21	86
BARBARA-S-PF	VERO10	21	88
BARBARA-S-PF	VERO13/18	22	91
BARBARA-W-PF		TBA	TBA
BARBARA-W-PF	CXA15	24	85
BARBARA-W-PF	VERO10	29	78
BARBARA-W-PF	VERO13/18	45	92
BARBARA-WW-PF		TBA	TBA
BARBARA-WW-PF	CXA15	64	84
BARBARA-WW-PF	VERO10	68	77
BARBARA-WW-PF	VERO13/18	58	91
BARBARA-XW		75	90
BARBARA-XW-PF		74	91
BARBARA-XW-PF	VERO13/18	72	93

BARBARA-XW

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

BARBARA-S

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

RITA

www.ledil.com/rita

The RITA family of wall-washing reflectors have gained a new colour mixing versions, RITA-WAS-RZ and RITA-A-RZ, compatible with a range of RGBW LEDs. Colour washing has never been easier.

OsiSq EC
Osi SSL150
Osi SSL80
Ostar-SMT RGB
LX A
LX H50-2
LX M
LX MZ
LX Rebel
LX Rebel ES
LX T
LX Z RGB
MK-R
XB-D
XM-L
XM-L2
XT-E
XP-E
XP-G
XP-G2
NS9x383
NCSxx19A
NVSxx19A
NVSxx19B
ZS

RITA-WAS-RZ

Hyper Reflective PC
H: ≈17 mm
D: 31,9 x 28,4 mm
Beam type: Asymm.

RITA-A-RZ

Hyper Reflective PC
H: ≈19 mm
D: 35 x 29 mm
Beam type: Asymm.

RITA-A

Hyper Reflective PC
H: ≈17 mm
D: 36 x 28,4 mm
Beam type: Asymm.

RITA-WAS

Hyper Reflective PC
H: ≈17 mm
D: 31,9 x 28,4 mm
Beam type: Asymm.

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BROOKE

www.ledil.com/brooke

BROOKE-SCR-M

Metallized PC
H: 20,2 mm
D: 45 mm
Beam type: Medium

BXRA ES R
BXRA ES S
Vero10
CLL03x
CL-L230
CL-L330
CXA2011

BROOKE-S

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

BROOKE-W

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

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
BROOKE-S	24	94	
BROOKE-M	28	92	2,2
BROOKE-SCR-M	24	91	2,5
BROOKE-SCR-W	42	91	1,2
BROOKE-W	46	92	1,24
BROOKE-XW	TBA	TBA	TBA
BROOKE-SOCKET-VERO10	Socket to position and hold BRX Vero10		

VENLA

www.ledil.com/venla

VENLA-WW

Metallized PC
H: 25 mm, D: 45 mm
Beam type: Extra wide

LX MZ
LX S
SSM-80
XM-L
XM-L2

Code	Typ. FWHM	Typ. eff.
C11773_VENLA-S	13	TBA
C11775_VENLA-M	28	90
C11776_VENLA-W	45	TBA
C11777_VENLA-WW	56	87
CP12090_VENLA-S-IRIS	18	93

BRITNEY

www.ledil.com/britney

BRITNEY-XW

Hyper Reflective PC
H: 38,4 mm, D: 70 mm
Beam type: Extra² Wide
FWHM: 74°

BXRA RS

BRITNEY-M

Metallized PC
H: 38,4 mm
D: 70 mm
Beam type: Medium
FWHM: 28°

BRITNEY-W

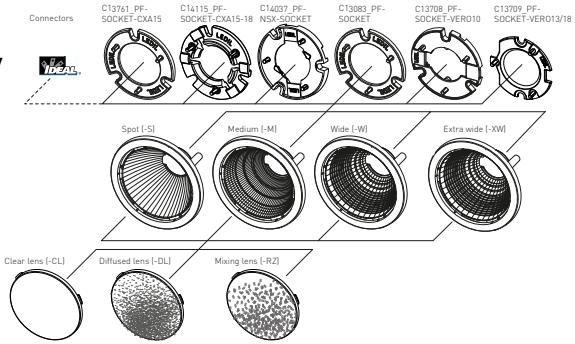
Metallized PC
H: 38,4 mm
D: 70 mm
Beam type: Wide
FWHM: 48°

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 optical datasheets.

MIRELLA

www.ledil.com/mirellafamily

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



COB-4W
CXA1304
CXA15
CXA1816
MK-R
MT-G
MT-G2
XM-L
XM-L2
XM-L RGB
XP-G
XP-G2
XT-E
LTPL-M036
NSBxL066A
NSBxL121A
NSCxJ216A
NSCxL036A
NVSxx19A
NS9x383
DurisS8
OsISq EC
Ostar L+
Ostar-SMT RGB
Soleriq P6
Soleriq P9
Soleriq S13
BXRA ES S
BXRA LS
SM4
Vero10
Vero13
Vero18
CLL01x
CLL02x
Mini Zenigata
LX A
LX M
LX MZ
LX S
LX CoB1203
LX K4
LX Z RGB
S-SLE-P G3 LES10
CXM-6
CXM-7
CXM-9
ZC6

MIRELLA-50-S-PF

Metallized PC
H: 24 mm
D: 49,9 mm
Beam type: Spot

MIRELLA-50-M-PF

Metallized PC
H: 24,8 mm
D: 49,9 mm
Beam type: Medium

MIRELLA-50-W-DL-PF

Metallized PC / PC
H: 25,5 mm
D: 49,9 mm
Beam type: Wide

CN13905_MIRELLA-50-S-PF-RZL

Metallized PC / PC
H: 24,8 mm
D: 49,9 mm
Beam type: Spot

Code	Typ. FWHM	Typ. Eff.	Typ. cd/lm	Fastening
MIRELLA-50-M	27	90	2,8	glue
MIRELLA-50-M-CL				glue
MIRELLA-50-M-CL-PF	30	87	2,5	socket, screw
MIRELLA-50-M-DL	34	84	1,9	glue
MIRELLA-50-M-DL-PF	30	85	2,3	socket, screw
MIRELLA-50-M-PF	32	88	1,9	socket, screw
MIRELLA-50-M-PF-RZL	38	81	1,5	socket, screw
MIRELLA-50-M-PF-VERO10	28	85	2,2	socket, screw
MIRELLA-50-M-PF-VERO13/18	34	88	1,8	socket, screw
MIRELLA-50-M-PIN	23	86	3,2	pin
MIRELLA-50-M-PIN-CL	26	84	2,5	pin
MIRELLA-50-M-PIN-DL	34	80	1,6	pin
MIRELLA-50-M-PIN-RZL	34	83	1,6	pin
MIRELLA-50-M-RZL				glue
MIRELLA-50-S	15	92	8,5	glue
MIRELLA-50-S-CL-PF	16	84	6,0	socket, screw
MIRELLA-50-S-DL	20	85	4,9	glue
MIRELLA-50-S-DL-PF	17	84	4,3	socket, screw
MIRELLA-50-S-PF	17	88	5,4	socket, screw
MIRELLA-50-S-PF-RZL	22	82	3,1	socket, screw
MIRELLA-50-S-PF-VERO10	20	88		socket, screw
MIRELLA-50-S-PF-VERO13/18	25	89	2,5	socket, screw
MIRELLA-50-S-PIN	11	87	12,3	pin
MIRELLA-50-S-PIN-DL	15,3	82	5,5	pin
MIRELLA-50-S-PIN-RZL	18	83	3,4	pin
MIRELLA-50-S-RZL				glue
MIRELLA-50-W	41	90	1,6	glue
MIRELLA-50-W-CL	46	84	1,3	glue
MIRELLA-50-W-CL-PF	46	85	1,3	socket, screw
MIRELLA-50-W-DL	47	83	1,2	glue
MIRELLA-50-W-DL-PF	45	85	1,3	socket, screw
MIRELLA-50-W-PF	43	87	1,3	socket, screw
MIRELLA-50-W-PF-RZL	47	81	1,2	socket, screw
MIRELLA-50-W-PF-VERO10	41	85	1,5	socket, screw
MIRELLA-50-W-PF-VERO13/18				socket, screw
MIRELLA-50-W-PIN	33	86	1,6	pin
MIRELLA-50-W-PIN-CL	44	84	1,4	pin
MIRELLA-50-W-PIN-DL	47	81	1,2	pin
MIRELLA-50-W-PIN-RZL	48	81	1,1	pin
MIRELLA-50-W-RZL				glue
MIRELLA-50-XW	80	93	0,6	glue
MIRELLA-50-XW-PF	78	92	0,6	socket, screw
MIRELLA-50-XW-PF-VERO10	74	92	0,6	socket, screw

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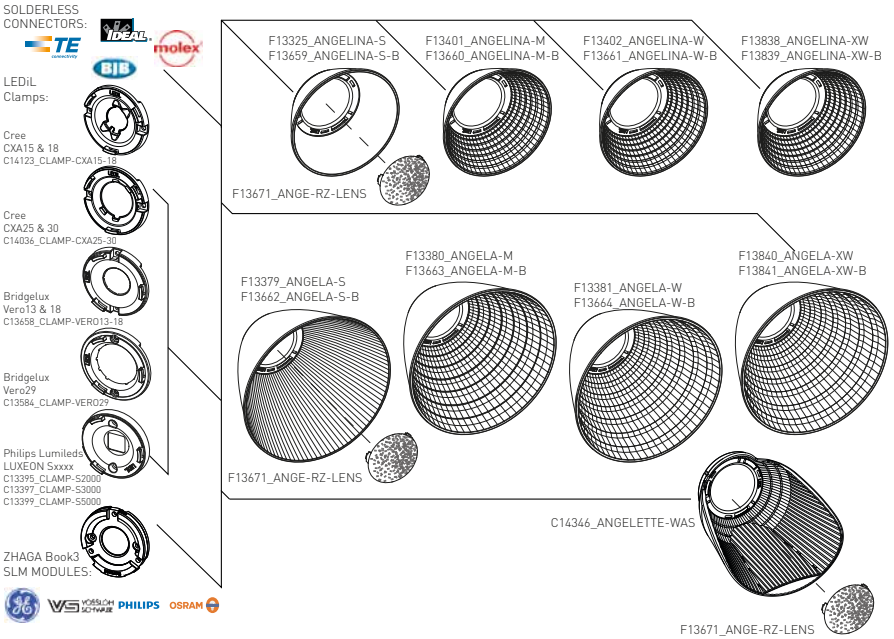
ANGELA / ANGELINA

www.ledil.com/products

Code	Beam type	Diameter	Height	Typ. FWHM	Typ. Eff.	Typ. cd/lm
ANGELA-S	Spot	119,5	79,3	25	89	3,2
ANGELA-M	Medium	119,5	79,3	32	89	2,5
ANGELA-W	Wide	119,5	74,5	46	89	1,4
ANGELA-XW	Wide	119.5	74.5	TBA	TBA	TBA
ANGELA-XW-B	Wide	119.5	74.5	36	93	2,1
ANGELINA-S	Spot	82	31	39	90	1,2
ANGELINA-M	Medium	82	31	32	92	1,6
ANGELINA-W	Wide	82	31	47	92	1,1
ANGELINA-RZ-S	Spot	82	31	31	88	1,4
ANGELINA-RZ-M	Medium	82	31	TBA	TBA	TBA
ANGELINA-RZ-W	Wide	82	31	TBA	TBA	TBA
ANGELINA-XW	Wide	82	31	91	93	0,46
ANGELINA-XW-B	Wide	82	31	91	94	0,53
ANGELINA-M-B	Medium	82	31	39	91	1,3
ANGELINA-W-B	Wide	82	31	51	91	1,0

COB-10W
COB-13W
COB-17W
COB-24W
BXRA ES R
Vero13
Vero18
Vero29
CXA15
CXA1520
CXA1816
CXA25
CXA30
CXA35
PrL C AC(LEP-2000)
PrL C AC(LEP-800)
PrL C Z3 LES19
PrL C Z3 LES23
PrL C Z3 LES9
PrL C Z4 LES19
Soleriq E30
Soleriq S13
Soleriq S19
Mega Zenigata
Tiger Zenigata
CLL02x
CLL03x
CLL04x
F-SLM 2000 G3
F-SLM 3000 G3
F SLM 4500 G3
LX CoB1208
LX CoB1204/1205
LX K12
LX K16
LX S2000
LX S3000
LX S5000
NSBxL121A
NSCxJ216A
LC026B/LC040B
CXM-14
LTPL-M074
S-SLE G2 LES19
S-SLE G2 LES23
S-SLE G2 LES26
S-SLE G3 LES19
S-SLE G3 LES23
WU-M-461
WU-M-462
WU-M-464
WU-M-484
WU-M-485
WU-M-486
ZC25/40



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 optical datasheets.

ANGELETTE-WAS

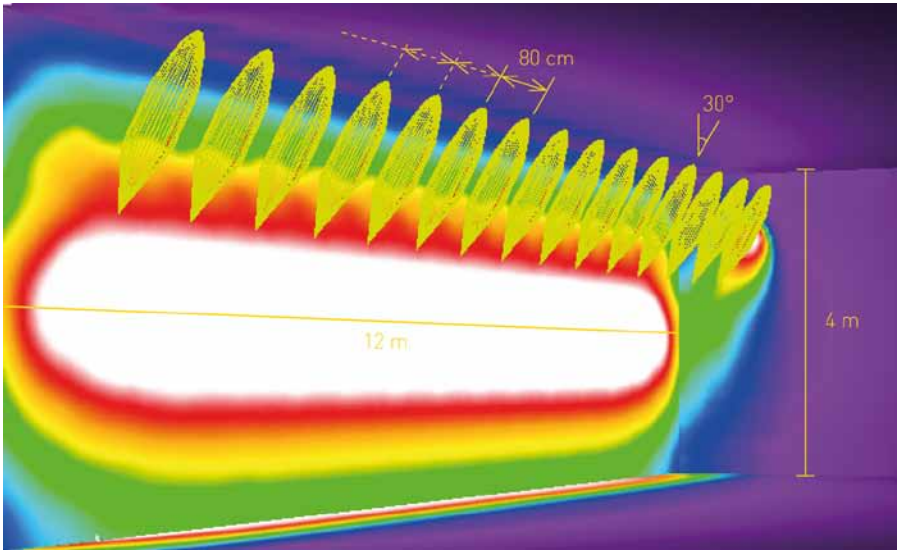
www.ledil.com/products

NEW!

CXA1830
CXA25
LX S2000
LX S3000
LX S5000
Vero13
Vero18
Vero29

ANGELETTE-WAS a wall-washer that uniquely utilizes the efficiency of COB's in wall washing, providing a heretofore unseen uniformity and light pattern quality.

ANGELETTE-WAS
H: 84 mm
D: 97,2 x 83,4 mm
Efficiency: 92%
Beam type: Asymm.



TYPICAL APPLICATION OF ANGELETTE-WAS

- Ceiling height 4 m, wall width 12m, 15 luminaires installed on a track suspended 20 cm lower
- Track installed 1.5 m distance from the wall
- Distance between luminaires 80 cm
- Luminaire flux with each luminaire 4000 lm
  Eav: 755 lx, Emax: 1340 lx, U0: 0.1614

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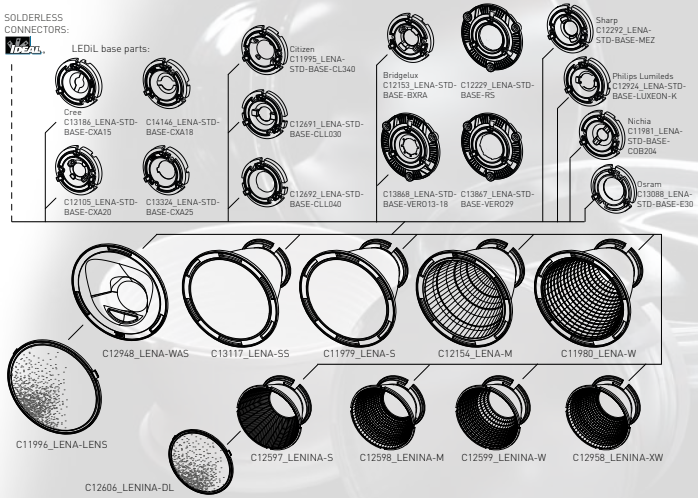
One system, endless possibilities



CXA15
CXA1520
CXA1816
CXA2011
CXA25
NSCxJ216A
NSBxL110
NSBxL121A
COB204
Solériq E30
BXRA ES R
BXRA RS
V10
Vero13
Vero18
Vero29
CL-L340
CLL03x
CLL04x
LX K12
LX K16
LX CoB 1204/1205
LX CoB 1208
Mega Zenigata
ZC12/18
ZC25/40
LTPL-M036
S-SLE-P G3 LES17

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	86	18	82	5
LENA-SS-DL	SS	111	87	16	74	5
LENA-W	W	111	86	46	82	1,3
LENA-WAS	WAS	111	37	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	37	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	46	73	89	0,6
LENINA-XW-DL	WWW	74	48	68	82	0,6

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 optical datasheets.

SATU

www.ledil.com/satu

SATU-M
3 LEDs
PMMA
H: 8,9 mm
D: 21,8 mm
Beam type: Medium

SATU-O
3 LEDs, PMMA
H: 8,9 mm, D: 21,8 mm
Beam type: Oval

H35C0
H35B0
XP-G | XB-D
XP-G2
XT-E
XP-E | XP-E2
OsI SSL150
OsI SSL80
OsISq EC
NCSxx19A
NF2x757A
NVSxx19A
NVSxx19B
LX A | LXT
LX Rebel
LX Rebel ES
LX H50-2
Double Dome
Z5

Code	Typ. FWHM	Typ. eff.	Typ. cd/lm
SATU-M	27	91	2,9
SATU-O	42 x 22	86	2,5
SATU-S	19	90	4,9
SATU-W	33	86	1,9

CUTE

www.ledil.com/cute

MX-3 | MX-6
XM-L | XM-L2
XM-L HVW
XP-E | XT-E
XR-E | XP-L
XP-G | XP-G2
XT-E HVW
Z5 | Z5 M1
OsISq EC | PDr
OsI SSL150
OsI SSL80
NCSxx19A
NCSxx19B
NVSxx19A
NS3x83 | NS6x83
Cer 3535 | H35C1
LX A | LXT
LX Rebel
LX Rebel ES
LX H50-2
Double Dome

Code	Beam type	LEDs	Diameter	Height	Typ. FWHM	Typ. eff.	Typ. cd/lm
CUTE-3-M	M	3	35	15	24	88	3,8
CUTE-3-S	S	3	35	15	11		
CUTE-3-SS	SS	3	35	15	12	90	11,3
CUTE-3-W	W	3	35	15	39	83	1,6
CUTE-3-WW	WW	3	35	15	TBA	TBA	TBA
CUTE-4-M	M	4	35	15	22	84	4,26
CUTE-4-SS	SS	4	35	15	11	88	13,2
CUTE-4-W	W	4	35	15	38		

GT3

www.ledil.com/gt3

GT3-M
3 LEDs
PMMA
H: 9 mm
D: 35 mm
Beam type: Medium

GT3-WW
3 LEDs
PMMA
H: 9 mm
D: 35 mm
Beam type: Extra wide

LX A
LX Rebel
LX Rebel ES
LXT
OsISq EC
OsI SSL150
OsI SSL80
XB-D
XP-E
XP-G
NCSxx19A
NVSxx19A
Double Dome
Z5

Name	Beam type	Diameter	Height	Typ. FWHM	Typ. eff.	Typ. cd/lm
GT3-M	M	35	9	30	89	2,2
GT3-S	S	35	9	18	90	4,5
GT3-W	W	35	9	40	88	1,6
GT3-WW	WW	35	9	47	90	1,1

GT4

www.ledil.com/gt4

LX A
LX Rebel
LX Rebel ES
LXT
OsI SSL150
OsI SSL80
XB-D
XP-E
XP-G
NCSxx19A
NVSxx19A
Double Dome
Z5

Name	Beam	Diameter	Height	Typ. FWHM	Typ. Eff	Typ. cd/lm
GT4-M	M	35	9	28	88	2,5
GT4-S	S	35	9	21	90	3,3
GT4-W	W	35	9	38	89	1,7
GT4-WW	WW	35	9	53	90	1,1

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ANNA

www.ledil.com/anna

One of LEDiL's largest lens array family and most popular product families. ANNA family is versatile with optics in two diameters, wide selection of beam angles and sources.

Cer 3535
H35C0
OsISq EC
OsISq PC
Ostar L+
Ostar-SMT RGB
SFH 4715S (IR)
OsI SSL150
OsI SSL80
DurisS5
ML-E
XB D
XM-L
XM-L2
XP-E
XP-E2
XP-G
XP-G2
XT-E
LX A
LX Rebel
LX Rebel ES
LX R
LX T
LX PWT
Double Dome
107
NCSxx19A
NF2x757A
NSSW157T
NS9x153
NS9x383
NVSxx19A
LH351A(3535)
SM4
ZS
ZS M

Name	Beam type	LED sources	D	H	Typ. FWHM	Typ. efficiency	Typ. cd/lm
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-50-3-M		3	50				
ANNA-50-4-M		4					
ANNA-50-5-M		5					
ANNA-50-6-M		6					
ANNA-50-7-M		7					
ANNA-40-7-M2	M	7	40	10,7	25	87	3,2
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-50-3-S		3	50				
ANNA-50-4-S		4					
ANNA-50-5-S		5					
ANNA-50-6-S		6					
ANNA-50-7-S		7					
ANNA-40-7-S-PC	S	7	40	10,7	15	85	TBA
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-50-3-W		3	50				
ANNA-50-4-W		4					
ANNA-50-5-W		5					
ANNA-50-6-W		6					
ANNA-50-7-W		7					
ANNA-40-7-WW	WW	6	40	12,5	64	90	0,9

ANNA-50-3-S
D: 50 mm
3 LEDs
PMMA
Beam type: Spot

ANNA-40-4-S
D: 40 mm
4 LEDs
PMMA
Beam type: Spot

ANNA-40-3-M
D: 40 mm
3 LEDs
PMMA
Beam type: Medium

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 optical datasheets.

ANGIE

www.ledil.com/angie

ANGIE-S
D: 34 mm
H: 10,7 mm
4 LEDs
PMMA
Beam type: Spot

XP-E
XP-G
LX H50-2
LX T
LX Rebel
LX Rebel ES
Osl SSL80
Osl SSL150
Osl Sq EC
Z5

Name	Beam type	Typ. FWHM	Typ. eff.	Typ. cd/lm
ANGIE-S	S	12	93	11,8
ANGIE-M	M	19	89	6,2
ANGIE-M2	M2	26	88	3,3
ANGIE-W	W	29	84	2,4

TAMPA

www.ledil.com/tampa

NIS83-MX-7-M
D: 38 mm
7 LEDs
PMMA
Beam type: Medium

MX-6
LX A
LX Rebel
LX Rebel ES
NS3x83
NS6x83
OLP-X5050F6L

Name	Beam type	Height	Typ. FWHM	Typ. eff.
NIS83-MX-7-M	M	11,4	20	90
NIS83-MX-7-MD	MD	11,4	22	91
NIS83-MX-7-W	W	11,4	37	89
NIS83-MX-7-WW	WW	11,4	57	87
RER-7-MD	MD	10,6	33	85
RER-7-S	S	10,6	19	89
RER-7-W	W	10,6	41	82
RER-7-WW	WW	10,6	53	90

PENTA

www.ledil.com/penta

PENTA-5-M
D: 35,5 mm
5 LEDs
PMMA
Beam type: Medium

NIS83-MX-5-W
D: 35,5 mm, 5 LEDs, PMMA
Beam type: Wide

Double Dome
GDr+
LX Rebel
MX-6
XP-E
XP-G
NJSx036
NS6x83
Z5

Name	Beam type	LEDs	Height	FWHM
NIS83-MX-5-W	W	5	6,8	36
PENTA-5-M	M	5	7,2	30
RER-5-M	M	5	6,8	28

QUAK

www.ledil.com/quak

NIS83-MX-4-M
D: 50 mm
4 LEDs
PMMA
Beam type: Medium

MX-6
NS3x83
NS6x83

Name	Beam	FWHM
NIS83-MX-4-SS	SS	15
NIS83-MX-4-M	M	21
NIS83-MX-4-W	W	49

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MELODY

www.ledil.com/melody

MELODY-3-M
D: 50,6 mm
H: 11,9 mm
3 LEDs
PMMA
Beam type: Medium

XP-E XP-E2 XP-G XP-G2 XT-E XB-D LX A LX R LX H50-2 LX T LX Rebel LX Rebel ES LX Z ES NCSxx19A NCSxx19B NVSxx19A NVSxx19B OsI SSL80 OsI SSL150 OsI Sq EC Double Dome Z5 Z5 M

Name	Beam type	LEDs	Typ. FWHM	Typ. eff.	Typ. cd/lm
MELODY-4-M	M	4	29	89	2,8
MELODY-3-M	M	3	34	92	2,1
MELODY-4-S	S	4	12	89	14,8

DOLLY

www.ledil.com/dolly

GDr+ LX K2 P4

Name	Beam type	LEDs	D	H	FWHM
APOLLO-3-S	S	3	50	19,4	10
LAIKA-3-S	S	3	50	20,4	10
TITANUM-3-S	S	3	50	18,4	15
TITANUM-3-M	M	3	50	19,9	30
LAIKA-3-M	M	3	50	20,4	28

TUIJA

www.ledil.com/tuija

XB-D XP-E XP-G LX A LX Rebel LX Rebel ES OsI SSL150 OsI SSL80 NCSxx19A NVSxx19A Double Dome Z5

Name	Beam type	LEDs	D	H	Typ. FWHM	Typ. Efficiency	Typ. cd/lm
TUIJA-3-M	M	3	50	14,5	16	84	5,6
TUIJA-3-M2	M	3	50	14,5	35	87	2
TUIJA-3-SS	SS	3	50	14,5	12	90	12,9
TUIJA-3-W	W	3	50	14,5	53	86	0,9

MARTHA

www.ledil.com/martha

PLATINUMROCKET-3-SS
D: 50 mm
3 LEDs
PMMA
Beam type: Smooth spot

GDr+ LX K2 MX-6 XR-E NS6x83 P4

Name	Beam type	LEDs	D	Typ. H	Typ. FWHM
APOLLO-LAIKA-3-W	W	3	50	17	49
NIS83-MX-3-W	W	3	50	15	48
PLATINUMROCKET-3-W	w	3	50	16	43
PLATINUMROCKET-3-SS	SS	3	50	16	14
PLATINUMROCKET-3-M	M	3	50	16	20
NIS83-MX-3-M	M	3	50	16	22

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 optical datasheets.

SANDRA

www.ledil.com/sandra

SANDRA is the largest diameter optical array family LEDiL has. It has suited for many applications like for example in retrofits, retail lighting and track mounted lighting fixtures.

SANDRA-M

D: 67 mm
H: 11,1 mm
12 LEDs
PMMA
Beam type: Medium

SANDRA-S

D: 67 mm
H: 11,1 mm
12 LEDs
PMMA
Beam type: Spot

Name	Beam type	Typ. FWHM	Typ. eff.	Typ. cd/lm
SANDRA-12-M	M	28	88	2,4
SANDRA-12-W	W	31	88	2,4
SANDRA-12-S	S	14	91	13,2
SANDRA-12-O	O	45+20	90	TBA

NEW!

SANDRA-O

D: 67 mm
H: 11,1 mm
12 LEDs
PMMA
Beam type: Oval

XP-E
XP-E2
XP-G
XP-G2
XT-E
Osl SSL150
Osl SSL80
Osl Sq EC
LX Rebel
LX Rebel ES
Double Dome
NCSxx19A
NF2x757A
NVSxx19A
ZS

XB-D
XP-G
XT-E
XP-E2
XP-G2
ML-E
XH-B/G
DurisP5
DurisS5
Osl Sq EC
LX Rebel ES
NF2x757A
NVSxx19A
LG 3030
LM231 A/B

VIRPI

www.ledil.com/virpifamily

VIRPI-M

D: 74,9 x 74,9 mm
H: 9,4 mm
25 LEDs
PMMA
Beam type: Medium
Typical FWHM: 29°
Typical cd/lm: 2,7

VIRPI-S

D: 74,9 x 74,9 mm
H: 9,4 mm
25 LEDs
PMMA
Beam type: Spot
Typical FWHM: 15°
Typical cd/lm: 7,5

VIRPI-W

D: 74,9 x 74,9 mm
H: 9,4 mm
25 LEDs
PMMA
Beam type: Wide
Typical FWHM: 42°
Typical cd/lm: 1,6

EMY

www.ledil.com/emy

MX-6
NS6x83
NVSxx19A

EMY-S

D: 50 mm
H: 14,4 mm
6 LEDs
PMMA
Beam type:
Smooth spot

PETUNIA

www.ledil.com/petuniafamily

Osl SSL150
XB-D
XP-E
XP-G
XT-E
NVSxx19A

PETUNIA

D: 29,5 x 46,5 mm H: 7,4 mm
12 LEDs PMMA
Typ. FWHM: 29°, Typ. eff: 91%

SOLUTION FOR PLANT LIGHTING

- A special lens for deep red, deep blue and white OSRAM OSLON LEDs
- Smooth mixing of colours at a short distance resulting in a uniform growing light for plants
- PCB available with the right spread of colours
- Control algorithm for switching on / off white and coloured LEDs

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FLORENCE

www.ledil.com/florence

FLORENCE -ZT25
D: 286 x 61 mm
H: 11 mm
33 LEDs
PMMA

XH-B/G
XP-G
Duris E5
DurisP5
DurisS5
NF2x757D
LG5630
LG6030
LM231 A/B
LM362A
LM561B
5630
LX 3535

FLORENCE-Z60
D: 286 x 61 mm
H: 8.5 mm
33 LEDs
PMMA

Name	Beam type	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLORENCE-Z30	M	TBA	TBA	TBA
FLORENCE-Z60	W	58	88	0,8
FLORENCE-Z90	WWW	92	86	0,4
FLORENCE-ZT25	Asymmetric	TBA	94	0,6

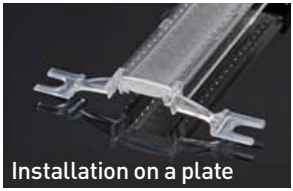
FLORENCE-1R

www.ledil.com/products

LG5630
NCSxx19B
NF2x757A
XB-H
XP-E
XP-E2
XP-G
XQ-E
LX Rebel ES
LXT

FLORENCE-1R-ZT25
D: 19,5 x 286 mm
H: 7,1 mm
PMMA

FLORENCE-1R-CLIP-A
D: 63,5 x 9 mm
H: 8,4 mm
PC



FLORENCE-1R-CLIP-B
PC

Name	Beam type	Typ. FWHM	Typ. eff.	Typ. cd/lm
FLORENCE-1R-Z90	WWW	90 + 110	94	0,4
FLORENCE-1R-Z60	M	TBA	TBA	TBA
FLORENCE-1R-ZT25	Asymmetric	TBA	86	TBA
FLORENCE-1R-O	Oval	TBA	TBA	TBA
FLORENCE-1R-MAXI-WG	Asymmetric	TBA	90	TBA
FLORENCE-1R-CLIP-A	Clip for installation on a plate			
FLORENCE-1R-CLIP-B	Clip for installation on a profile			

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 optical datasheets.

SHELLY

www.ledil.com/shelly

SHELLY-T-6X1-N
D: 119.8 x 19.6 mm
H: 7 mm
6 LEDs
PMMA

DurisS5
LX Rebel
LX Rebel ES
LX T
LX Z ES
NCSxx19A
NCSxx19B
NF2x757A
NF2x757D
NVSxx19A
NVSxx19B
XB-D
XQ-D
XQ-E

SHELLY-T-6X1-WAS
D: 119.8 x 19.6 mm
H: 7,6 mm
6 LEDs
PMMA

Name	Beam type	Typ. eff.	Typ. cd/lm
SHELLY-N	Asymmetric	94	0,5
SHELLY-WAS	Asymmetric	94	1,0

ZENIA

www.ledil.com/products

ZENIA
D: 16,2 x 119,8 mm
H: 5,97 mm
PMMA

Duris E5

ZENIA optics are designed to illuminate the backdrop inside the shelves. Also suited for wall-washing and stair lighting applications.Linear optics that work with any distance between the mid-power LEDs. Modular breakable design at 15 mm intervals allows installation to any width. Designed to be installed as such or into an aluminium profile.

VANESSA

www.ledil.com/vanessafamily

LG5630
LX A
LX Rebel ES
XP-E
XP-G
XP-G2
XT-E
NF2x757A
OsiSq EC

Name	Beam type	Typ. FWHM	Typ. eff.
VANESSA-M	Medium	26	89
VANESSA-O	Oval	42+19°	82
VANESSA-S	Spot	17	90
VANESSA-B-O	Oval	45+21°	88
VANESSA-B-S	Spot	22	93
VANESSA-B-W	Wide	37	92

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ZOWIE

www.ledil.com/zowie

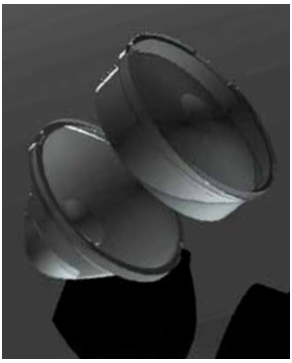
Spot or Wide – Take Both

Three revolutionary products featuring efficient zoom from spot to wide beams. Ideal choice for applications that benefit from adjustability and a compact optical system.

LX A
LX M
LX Rebel ES
LX S
LX Z RGB
MT-G2
XB-D
XM-L
XP-E
XP-G
XP-G2
XT-E
OsiSq EC
Ostar-SMT RGB
NVSxx19A
NVSxx19B
LZ4(00xW00)

ZOWIE-MINI
D: 14,8 mm
PMMA
Beam type: Zoom
Available with
optional multi-holder

ZOWIE-MIDI-RZ
D: 35 mm
PMMA
Beam type: Zoom



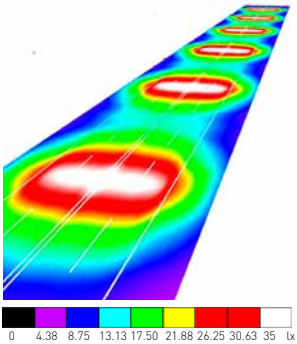
Name	Diameter	Beam type	Typ. FWHM
ZOWIE-MAXI	65	Zoom	TBA
ZOWIE-MIDI-RZ	35	Zoom	TBA
ZOWIE-MINI	14,8	Zoom	24-60

TATIANA

www.ledil.com/tatiana

NVSxx19A
OsiSq EC
XM-L2
XP-G2
XT-E

- Designed especially to meet Russian street lighting standards.
- Module can be snapped into four single lenses which enable upgrading old lighting fixtures and gives more freedom when designing the fixture.
- Designed for lighting fixtures with 15° mounting angle.
- Suitable also for wire-mounted catenary luminaires.



DESIGN EXAMPLE

Luminous flux (Luminaire): 9404 lm
Luminous flux (Lamps): 9800 lm
Luminaire Wattage: 90 W
Arrangement: Double row, opposing
Pole Distance: 40 m
Mounting Height: 12 m
Height: 12 m
Overhang: 0.853 m
Boom Length: 1.5 m

Maximum luminous intensities
at 70°: 447 cd/klm
at 80°: 36 cd/klm
at 90°: 11 cd/klm

TATIANA-1X4-B
D: 102x25 mm
H: 7,7 mm
Typ. FWHM: °
Typ. eff: 94%
PMMA
LEDs: 4

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 optical datasheets.

High Bay

www.ledil.com/ highbayfamily

Name	LEDs	Diameter	Height	Typ. FWHM
STRADA-2X2-CY	4	50x50	7.8	127+127
HB-2X2-RS	4	50x50	10	10
HB-2X2-M	4	50x50	8,5	25
HB-2X2-O	4	50x50	10,6	TBA
HB-2X2-RW	4	50x50	8,5	51
HB-2X2-W	4	50x50	8,5	51
HB-2X2-WW	4	50x50	8,5	65
HB-5X1-FLAT-W	5	123 x 25	8,5	54
HB-5X1-W	5	123 x 25	9	56
HB-5X1-WW	5	123 x 25	9	TBA
HB-IP-2X6-W	12	173 x 71.4	11,4	58
HB-IP-2X6-WWW	12	173 x 71.4	11.4	98
HB-SQ-A	1	25 x 25	12,9	50

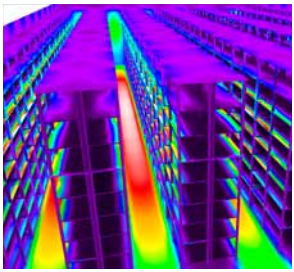
MK-R
XB-D
XM-L
XM-L2
XP-E
XP-E2
XP-E-HEW
XP-G2
XP-G
XP-L
XT-E
MX-3
MX-6
XM-L EZW
XQ-E
OslSq EC
OslSq PC
Osl SSL80
Osl SSL150
LX A
LX M
LX MZ
LX Q
LX Rebel
LX Rebel ES
LX R
LX T
LX H50-2
LX Z ES
NCSxx19A
NCSxx19B
NF2x757A
NS6x83
NS9x383
NVSxx19A
NVSxx19B
Double Dome
LH351A(3535)
OLP-5065F6L-06A
MJT4040
Z5M1
Z5
H35C1

STRADA-2X2-CY

D: 50x50 mm
H: 7.8 mm
PMMA
Typ. eff: 94%

HB-2X2-O

D: 50 x 50 mm
H: 10,6 mm
PMMA
Typ. eff: 94%
LEDs: 4
Oval beam type suitable for warehouse aisle lighting



HB-2X2-O DESIGN EXAMPLE

- Luminaire installation height: 14 m
- Installed in the aisle centerline
- Fixture luminous flux 6200 lm
- LED luminous flux 7000 lm

HB-IP-2X6-W

D: 173 x 71,4 mm
H: 11,4 mm
Typ. FWHM: 58°
Typ. eff: 94%
PMMA
LEDs: 12

HB-5X1-FLAT-W

D: 123 x 25 mm
H: 8,5 mm
PMMA
Typ. FWHM: 54°
Typ. eff: 91%
LEDs: 5

HB-2X2-RW

D: 50x50 mm
H: 8.5 mm
PMMA
Typ. FWHM: 51°
Typ. eff: 89%
LEDs: 4

HB-SQ-A

D: 25 x 25 mm
H: 12,9 mm
PMMA
Typ. FWHM: 54°
Typ. eff: 86%

The information contained herein is the property of LEDiL Oy, Salorankatu 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.

Stanley3J
Stanley6J
CL-L400
LH351A(3535)
LH351B
NCSxx19A
NCSxx19B
NS3x83
NS6x83
NS9x383
NVSxx19A
NVSxx19B
Double Dome
LX A
LX H50-2
LX M
LX MZ
LX Q
LX R
LX Rebel
LX Rebel ES
LX T
LX TX
LX Z ES
OLP-x5050F6L
OLP-5065F6L-06A
GDr+
Os:Sq EC
Os:Sq PC
Osl SSL150
Osl SSL80
Ostar-SMT RGB
MC-E
MK-R
MK-R2
MT-G
MX-3
MX-6
XB-D
XB-H
XM-L
XM-L2
XQ-E
XP-E
XP-E2
XP-E-HEW
XP-G
XP-G2
XP-L
XR-E
XT-E
XT-E HVW
MJT4040
Z5 M1
Z5 M
Z5
Z5 P
H35C0
H35B0
H35C1

STRADA

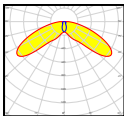
www.ledil.com/strada

STRADA lenses, originally designed for street lighting applications, are suitable for many other applications as well.

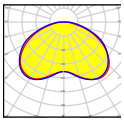
Like all LEDiL products STRADA lenses are optimized for specific LED types and have optimal light distribution and over 90% optical efficiency. Some STRADA lenses can also be used with other LED types with a small sacrifice in light distribution and optical efficiency. STRADA lenses designated for roadway lighting have batwing light distribution for better performance.

Symmetric STRADA lenses were the first lenses from LEDiL designed especially for street lighting applications. On street lighting setups, symmetrical light distribution requires a mounting boom and tilt in the lamp head. This makes symmetrical STRADA lenses ideal for traditional street light replacement.

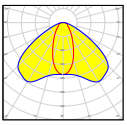
Single optics



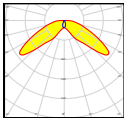
STRADA-A
D: 19,6 x 15,4 mm
H: 10,8 mm
PMMA
Typ. FWHM: 80° x 146°
Typ. eff: 92%



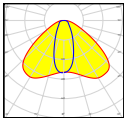
STRADA-C2
D: 19,6 x 15,6 mm
H: 6,4 mm
PMMA
Typ. FWHM: 120°
Typ. eff: 92%



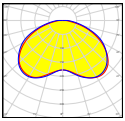
STRADA-B
D: 19,6 x 15,5 mm
H: 6 mm
PMMA
Typ. FWHM: 105° x 44°
Typ. eff: 93%



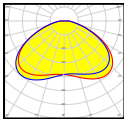
STRADA-A2
D: 19,6 x 15,4 mm
H: 10,6 mm
PMMA
Typ. FWHM: 72° x 141°
Typ. eff: 92%



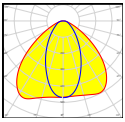
STRADA-B2
D: 19,6 x 15,5 mm
H: 5,3 mm
PMMA
Typ. FWHM: 111° x 47°
Typ. eff: 92%



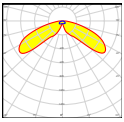
STRADA-C
D: 19,6 x 15,6 mm
H: 5,3 mm
PMMA
Typ. FWHM: 125°
Typ. eff: 92%



STRADA-C2-CLIP
D: 19,6 x 15,6 mm
H: 6,9 mm
PMMA
Typ. eff: 92%

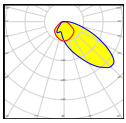


STRADA-DN
D: 19,6 x 15,7 mm
H: 5,9 mm
PMMA
Typ. FWHM: 107° x 58°
Typ. eff: 92%

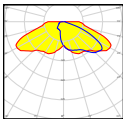


STRADA-DW
D: 19,6 x 15,7 mm
H: 9,6 mm
PMMA
Typ. FWHM: 89° x 142°
Typ. eff: 92%

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 optical datasheets.

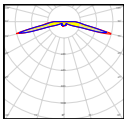


STRADA-FT
D: 19,6 x 15,4 mm
H: 8,3 mm
PMMA
Typ. eff: 91%

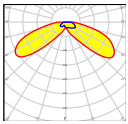


STRADA-FW
D: 19,6 x 15,5 mm
H: 10,9 mm
PMMA
Typ. eff: 92%

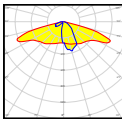
STRADA-SQ-T-DW-90
D: 25 x 25 mm, H: 11,4 mm
Typ. eff: 91%



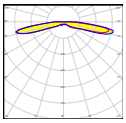
STRADA-S
D: 19,6 x 15,5 mm
H: 6,9 mm
PMMA
Typ. FWHM: 149° x 159°
Typ. eff: 93%



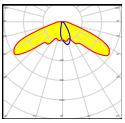
STRADA-T-DW-EP
D: 19,8 x 15,5mm
H: 10,7 mm
PMMA
Typ. eff: 92%



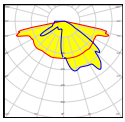
STRADA-SQ-T2
D: 25 x 25 mm
H: 8,5 mm
PMMA
Typ. eff: 90%



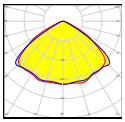
STRADA-S-14
D: 19,6 x 15,5 mm
H: 6,9 mm
PMMA
Typ. FWHM: 149° x 159°
Typ. eff: 93%



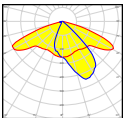
STRADA-K
D: 19,6 x 15,5 mm
H: 8,7 mm
PMMA
Typ. eff: 96%



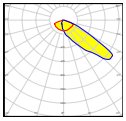
STRADA-SQ-T3
D: 25 x 25 mm
H: 8,5 mm
PMMA
Typ. eff: 90%



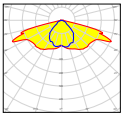
STRADA-SQ-CY
D: 25x25 mm
H: 10.1 mm
PMMA
Typ. eff: 94%



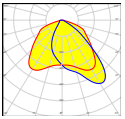
STRADA-SQ-A-T
D: 25 x 25 mm
H: 9,1 mm
PMMA
Typ. eff: 93%



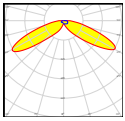
STRADA-SQ-FS
D: 25 x 25 mm
H: 12.3 mm
PMMA
Typ. eff: 93%



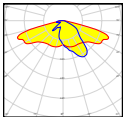
STRADA-SQ-FS2
D: 25 x 25 mm
H: 8.2 mm
PMMA
Typ. eff: 90%



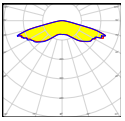
STRADA-SQ-T-DN
D: 25 x 25 mm
H: 8,5 mm
PMMA
Typ. eff: 90%



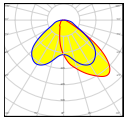
STRADA-SQ-T-DW
D: 25 x 25 mm
H: 11,4 mm
PMMA
Typ. eff: 91%



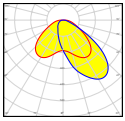
STRADA-SQ-T-DWC
D: 25 x 25 mm
H: 9,1 mm
PMMA
Typ. eff: 93%



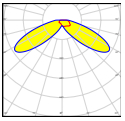
STRADA-SQ-VSM
D: 25 x 25 mm
H: 6,9 mm, PMMA
Typ. FWHM: 152°
Typ. eff: 93%



STRADA-T-DN
D: 19,8 x 15,5mm
H: 8,9 mm
PMMA
Typ. eff: 92%



STRADA-T-DN-EP
D: 19,8 x 15,5mm
H: 8,8 mm
PMMA
Typ. eff: 91%



STRADA-T-DW
D: 19,8 x 15,5mm
H: 10,8 mm
PMMA
Typ. eff: 93%

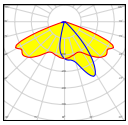
Name	Diameter	Height	Typ. eff.	Typ. FWHM
STRADA-SQ-FS-NP	25x25	12,4	TBA	TBA
STRADA-SQ-ME	25x25	8,6	TBA	TBA
STRADA-SQ-FT	25x25	12,5	TBA	TBA
STRADA-SQ-ME-NP	25x25	8,6	TBA	TBA
STRADA-SQ-T4	25x25	9,4	TBA	TBA
STRADA-SQ-FW	25x25	15,3	TBA	TBA
STRADA-SQ-T4-NP	25x25	9,4	TBA	TBA
STRADA-C2-NP	19,6 x 15,5	6,9	92,0	111

Stanley3J
Stanley6J
CL-L400
LH351A(3535)
LH351B
NCSxx19A
NCSxx19B
NS3x83
NS6x83
NS9x383
NVSxx19A
NVSxx19B
Double Dome
LX A
LX H50-2
LX M
LX MZ
LX Q
LX R
LX Rebel
LX Rebel ES
LX T
LX TX
LX Z ES
OLP-5050F6L
OLP-5065F6L-06A
GDr+
Osl Sq EC
Osl Sq PC
Osl SSL150
Osl SSL80
Ostar-SMT RGB
MC-E
MK-R
MK-R2
MT-G
MX-3
MX-6
XB-D
XB-H
XM-L
XM-L2
XQ-E
XP-E
XP-E2
XP-E-HEW
XP-G
XP-G2
XP-L
XR-E
XT-E
XT-E HVW
MJT4040
Z5 M1
Z5 M
Z5
Z5P
H35C0
H35B0
H35C1

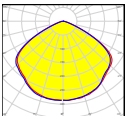
The information contained herein is the property of LEDiL Oy, Salorankatu 10, FI-24240 SALO, Finland, and is subject to change without prior notice. Please visit www.ledil.com for additional information, such as the latest photometric files, 3D mechanical models, and application notes relating to handling,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

2x2 modules

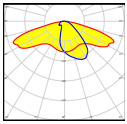
STRADA-2X2-T2
D: 50 x 50 mm, H: 7,7 mm
For IESNA Type 2 road lighting



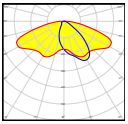
STRADA-2X2-A-T
D: 50 x 50 mm
H: 7,3 mm
PMMA
Typ. eff: 93%



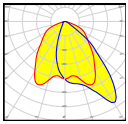
STRADA-2X2-CY
D: 50x50 mm
H: 7.8 mm
PMMA
Typ. eff: 94%



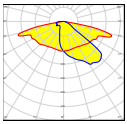
STRADA-2X2-DWC
D: 50 x 50 mm
H: 6 mm
PMMA
Typ. eff: 93%



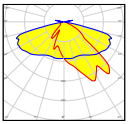
STRADA-2X2-DNW
D: 50 x 50 mm
H: 11 mm
PMMA
Typ. eff: 93%



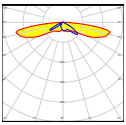
STRADA-2X2-DN
D: 50 x 50 mm
H: 8,05 mm
PMMA



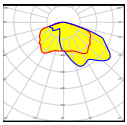
STRADA-2X2-ME
D: 50 x 50 mm
H: 8,2 mm
PMMA



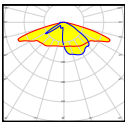
STRADA-2X2-ME-WIDE1
D: 50 x 50 mm
H: 8.3 mm
PMMA



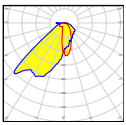
STRADA-2X2-XW
D: 50 x 50 mm
H: 7 mm
PMMA
Typ. eff: 94%



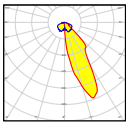
STRADA-2X2-T4
D: 50 x 50 mm
H: 7 mm
PMMA



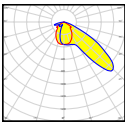
STRADA-2X2-T3
D: 50 x 50 mm
H: 7 mm
PMMA



STRADA-2X2-PX
D: 50 x 50 mm
H: 8 mm
PMMA



STRADA-2X2-NHS
D: 50 x 50 mm
H: 9.8 mm
PMMA



STRADA-2X2-FN
D: 50 x 50 mm
H: 10 mm
PMMA
Typ. eff: 94%

STRADA 6X1 modules

Precision-engineered lens array.

Emitted light has an asymmetric tilt in the wide beam to efficiently direct light to the roadway surface and to minimize stray light outside of target areas.

STRADA-6X1-DNW
D: 119,8 x 25,2 mm
H: 5,6 mm
Typ. efficiency: 93%

STRADA-6X1-DWC
D: 119,8 x 25,2 mm
H: 5,5 mm
Typ. efficiency: 94%

STRADA-6X1-ME
D: 119,8 x 25,2 mm, H: 8,2 mm
Typ. efficiency: 93%

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 optical datasheets.

STRADA-IP 2X6 modules

STRADA-IP-2X6-DWC
D: 173 x 71,4 mm, H: 7,9 mm
Typ. efficiency: 96%

This street lighting optic is designed for peak optical performance, ease of installation and protection from dirt and water. STRADA-IP-2X6-DWC is a precision-engineered 12-position lens array with a tilted beam to direct light efficiently to the roadway surface.

The integral silicone gasket protects up to IP67. The wide, asymmetric beam allows for rapid development of luminaires classified as IESNA Type II and III and related European and Russian street lighting classes.

STRADA-IP-2X6-T2
D: 173 x 71,4 mm, H: 7,9 mm
Typ. efficiency: 96%

STRADA-IP-2X6-T3
D: 173 x 71,4 mm, H: 7,9 mm
Typ. efficiency: 96%

STRADA-IP-2X6-ME
D: 173 x 71,4 mm, H: 7,9 mm
Typ. efficiency: 96%

The information contained herein is the property of LEDiL Oy, Salorankatu 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.

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