

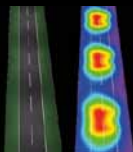
LEDiL[®]



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



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

Osrarn

DDR
Duris E5
DurisP5
DurisS5
DurisS8
GDr
GDr+
JR 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
NV5xx19A
NV5xx19B

Samsung

LC026BL/C040B
LH351A(3535)
LH351B
LM231 A/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
LG 5630
LG 6030

Lite-On

LTPL-M036
LTPL-M074

DDR = Diamond Dragon

OsIsq = Osion Square

Ostar L = Ostar Lighting

PrL C = PrevalLED Core

S-SLE = STARK SLE

S-SLE-P = STARK SLE PURE

Single lenses

LARISA

www.ledil.com/larisa



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

XP-E
XP-G
XB-D
NCsxx19A
NF2x757A
NF2x757D
NVsxx19A
OsSL150
OsSL80
OsSg EC
OsSg PC
DuriSS5
LX A
LX Rebel
LX Rebel ES
LX Z
H35C0
H35B0

LISA

www.ledil.com/lisa



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

XP-E
XP-G
LX Rebel
GDr
PDr
Z5

LISA2

www.ledil.com/lisa2



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



H35C1
H35C0
OsSg EC
OsSL150
OsSL80
SFH 4715S (IR)
DuriPS
LX A
LX H50-2
LX Q
LX Rebel ES
LX Rebel
LX Z
LX Z ES
DomiLe Dome
NCsxx19A
NCsxx19B
NVsxx19A
XB-D
XP-E
XP-E2
XP-G
XP-G2
XT-E
XO-E
Z5

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.

ROSE

www.ledil.com/rose



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
XPE
XPE-HEW
XP-G
XPE
E2
E24
E24
N56x83
N56x83
N59x153
NCSU033A
LX K2
LX Rebel
LX Rebel ES
LX Rebel ES+
OLP-x5050F6L
Stanley3J
Stanley6J
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
NCSU033A
NCSU034A
NCSU034B
NCSU034A



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.



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

XP-E
XB-D
XM-L
XM-L2
XP-G
XP-G2
XT-E
OdsG EC
OdsG PC
Ods SS150
N59x383
N56x19A
N56x19B
LX-A
LX-R
LX Rebel ES

TWIDDLE

www.ledil.com/twiddle

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

N56x83
MX-6
XPE
XP-G
XP-G2
XPE

Single lenses

LAURA GenII

www.ledil.com/laura

LAURA GenII is the next generation of LEDi'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.



G2-LAURA-0-WAS

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

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	66	91	1,55
CA13633 G2-LAURA-WW-P	46	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



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

Ostar L
OslSq EC
OslSq PC
Osl SSL150
Osl SSL80
SFH 47155 (IR)
XB-D
XP-E2
XP-E
XP-E-HEW
XP-G
XP-G2
XP-L
XT-E
Cer 3535
H35C0
H35C1
Stanley3J
Stanley6J

107
NCSxx19A
NCSxx19B
NF2x757A
NS9x153
NV5xx19A
LX A
LX H50-2
LX PWT
LX Q
LX R
LX Rebel
LX Rebel ES
LXT
LX Z ES
Double Dome
CL-L400
Jade
Z5

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
OsISq EC
OsISq PC
Os SSL150
Os SSL80
SFH 4715S (IR)
XB-D XT-E
XP-E2 XP-E
XP-E-HEW XP-E
XP-G XP-G2
Cer 3535
H35C0 H35C1
NC5xx19A 10
NC5xx19B
NF2x757A
NS9x153
NV5xx19A
LX A LXT
LX H50-2

LX PWT
LX Rebel LX P
LX Rebel ES
LX Z ES LX Q
Stanley3J
Stanley 6J
Double Dome
CL-L400
jade 75

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

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.

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%

107
NC5xx19A
NC5xx19B
NP2x757A
N5xx83
N5xx83B
NV5xx19A
NV5xx19B
D91
GDI
OxSa EC
OxSa PC
OxSa150
OxSa150
OxSa180
Ostar L4
Duris55
Ostar-SMT RGB
MC-E
XB-D
XML
XMLE2
XPE
XPE-NEW
XPC
XRE
XTF
MX-6
XB-H
XP-E2
XP-G2
XP-L
XO-E
H35CO
H35BO
H35C1
CL400
LX-A
LX-H50-2
LX-Q
LX-R
LX Rebel
LX Rebel ES
LXT
LX Z ES
Z5 M1
LH351A(3535)
Sunnix5
OLP-x050Fol
LZ100U6000
LZ100U4000
LZ100xW00

Single lenses

SPH 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

www.ledil.com/irina

XP-E
XP-G



IRINA-RS

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

TITANUM / SPUTNIK

www.ledil.com/products

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.

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

GD-L
PDI
IR Dragon
P4
P5

EMILY

www.ledil.com/emily



EMILY-O-WAS

PMMA,
H: 14,8 mm,
D: 26 mm
Beam type: Tilted oval

Code	Typ. FWHM	Typ. eff.	Typ. cd/1m
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



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

Double Dome
LX-A
LX H50-2
LX Rebel
LX Rebel +
LX T
LX Rebel ES
OsSq EC
Os SSI 80
Os SSI 150
NCsxx19A
NCsxx19B
NVsxx19A
NVsxx19B
NS97383
XMA-L HVW
XP-E
XP-E2
XP-G
XP-G2
XP-L
XM-L
XM-L2
XT-E
Z5
Z5 M1

EVA

www.ledil.com/eva**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

MC-E
MK-R
XM-L
XM-L EZW
XM-L HVV
XM-L Z
XTE
XP-G2
NS9x383
NSMx286M
LXM
LXM2
DurisS8

MIRA

www.ledil.com/mira**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

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

LXT
XTE

EYA

www.ledil.com/eya**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**JULIA-A**

PMMA
H: 4,8 mm
D: 18,8 mm
Beam type: Wide area lighting

Od SSI 150
Od SSI 80
IX Rebel
IX Rebel ES
XP-E
XP-E2
XP-G
XP-G2
XTE
NCsxx19A
NVsxx19A
Z3

Single lenses

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

Os5q EC
Os5q PC
Os5S150
Os5S180
ML-E XM-L
XB-D XB-H
XP-E XP-E2
XT-E XP-L
XP-G XP-G2
Z5M1
Z5P1 Z5
Cer 3535
H35CO
107
NCsxx19A
NCsxx19B
NVsxx19A
NVsxx19B
NF2x757A
NS5W157T
LX H50-2
LX PWT
LX Rebel LX A
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



FLARE-MAXI-D
PMMA
H: 16,7 mm
D: 33,9 x 33,9 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
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 M2
LX Rebel
LX Rebel ES
LXT
Double Dome
NCsxx19A
NCsxx19B
NS9xx383
NVsxx19A
NVsxx19B
Os5q EC
Os5q PC
Os5S150
Os5S180
ML-E
XB-D
XM-L
XM-L2
XP-E
XP-E2
XP-G
XP-G2
XP-L
XRE
XT-E
H35CO
H35CT
Z5
Z5M1

IRIS

www.ledil.com/iris



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



IRIS
PMMA/PC
H: ≈29 mm
D: 38 mm
Beam type: Spot



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

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

MC-E XP-L
XM-L XM-L2
XP-E XP-E2
XP-G XP-G2
ML-R XO-E
Os5S150
Os5S180
Ostar L
Os5q EC
SPT-L2M10R
LX H50-2
LX M LX M2
LX Rebel
LX Rebel ES
LXT
NCsxx19A
NVsxx19A
NS9xx383
SST-501 SST-90
Z5 Z5M1
H35CT

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BILLIE

www.ledil.com/billie
**BILLIE-A**

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

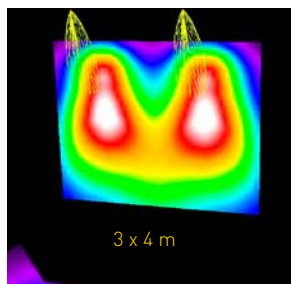
**BILLIE-B**

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



LX A
LX R
LX Rebel
LX Rebel ES
NCsxx19A
NF2x757A
N5SW157T
NVsxx19A
OdSSL80
OdSSL150
DurisS5
XB-D
XP-E
XP-G
XP-G2
XP-E
Z5

SEANNA-A

www.ledil.com/products
**SEANNA-A**

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

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

Luxeon M			
Distance (m)	Cone Diameter (m)	Illuminance (lx)	
160.0	10.62	EIC0 1.9° 3	
320.0	21.23	EIC0 1.9° 1	
480.0	31.85	EIC0 1.9° 0	
640.0	42.46	EIC0 1.9° 0	
800.0	53.08	EIC0 1.9° 0	

— CD - C180 (Half-value Angle: 3.8°)

XP-E2			
Distance (m)	Cone Diameter (m)	Illuminance (lx)	
160.0	3.35	EIC0 0.6° 6	
320.0	6.70	EIC0 0.6° 1	
480.0	10.05	EIC0 0.6° 1	
640.0	13.40	EIC0 0.6° 0	
800.0	16.76	EIC0 0.6° 0	

— CD - C180 (Half-value Angle: 1.2°)

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
XP-E
SSM-80

VERONICA

www.ledil.com/veronica

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
**AMELIA-S**

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

LX S

LX M
LX A
LX Rebel
LX Rebel ES
LX M2
LX T
Doubt Dome

NCsxx19A
NF2x757A
N5SW157T
NVsxx19B
OdSSL80
OdSSL150
OdSSL150
XM-L
XM-L2
XP-E
XP-E2
XP-G
XP-G2
MK-R
XP-E
Z5
H35C0

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

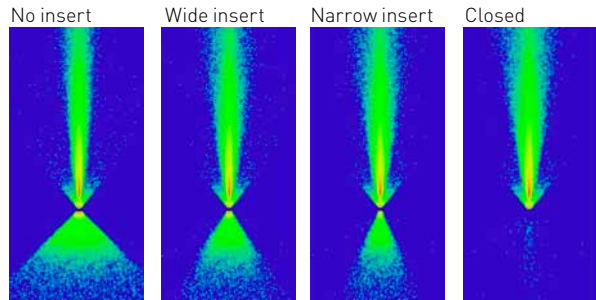
www.ledil.com/blondie



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.

LX A
LX M
LX MZ
LX Rebel
MK-R
XM-L2
XP-G
XP-G2
XP-E2
NV5x19B
Os!Sq EC



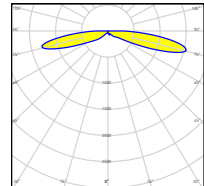
FRIDA-A

www.ledil.com/products

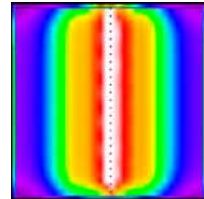


FRIDA-A FOR REFRIGERATOR LIGHTING

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



XP-G
XB-D



HELENA

www.ledil.com/helena

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.

LX K8
LX K12
LX K16
CXA15
CXA25



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

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



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



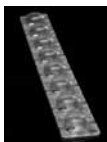
JENNY

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



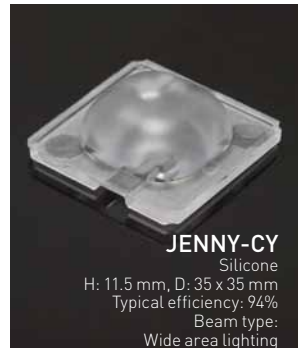
JENNY-HLD-A-BLK

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
CXA1410
CXA15
CXA1520
MK-R
MK-6
XM-L EZW
LX M
NSMx286M
Mini Zenigata
V6
V8

EMERALD

www.ledil.com/emerald

EMERALD-A

PMMA

H: 7,3 mm

D: 21,6 mm

 Beam type: Rectangular
 Typical FWHM: 150° x 20°

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.


 H35C0
 H35B0
 XB-D XE-E
 XM-L XM-L2
 XP-E XP-E2
 XP-G XP-G2
 OsSs EC
 OsSs PC
 OsSsL150
 OsSsL80
 Z5
 LX-A
 LX-M LX-MZ
 LX-Rebel
 LX-Rebel ES
 LX-R
 NCsxx19A
 NVsxx19A
 NS9x383

DOROTHY

www.ledil.com/dorothy

DOROTHY-4-A

PMMA

H: 4,5 mm

D: 50,6 mm

Beam type: Wide area

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


 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

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

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



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

OONA-A

www.ledil.com/products

OONA-A

PMMA

H: 4,5 mm

D: 9,9 x 9,9 mm

Beam type: Oval


 OsSs EC
 OsSs PC

Specialty products / Reflectors

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
Oslo PC
Oslo S5L80
Oslo S5L150
Doris S5
NF2x75/7A
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
Oslo EC
NCSxx19A
HBS CO

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
HBS CO
Oslo EC
Oslo S5L150
Oslo S5L80
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-E
MT-G2
MK-R
LX M
LX M Z
NSMx28GM
SSM-B0



MINNIE-LT-M

PC

H: 15,6 mm

D: 35 mm

Beam type:

Medium



MINNIE-LT-W

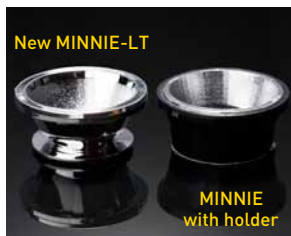
PC

H: 15,6 mm

D: 35 mm

Beam type:

Wide



New MINNIE-LT

MINNIE
with holder

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
XRE
LX M
LX M2
AX3221
P7

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



BOOM-XW

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

CXA15
NSBx1110
BXRA ES-3
CL-L233
CL-LD22
CL-L251

BRIDGET / LILY / CINDY

www.ledil.com/products

Mini Zenigata
SST-50
SST-90
Soleriq P6
Soleriq P9
LTPL-M036



-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
LZ100xW00
LZ400xW00



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
NSBx1110

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



TYRA3-WW

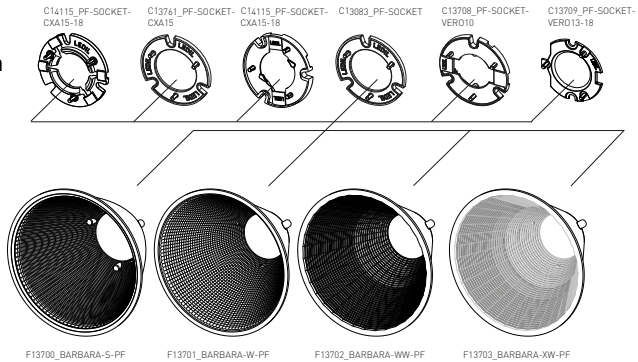
Metallized PC
H: 22,5 mm
D: 40 mm
Beam type: Extra wide

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.

Reflectors

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
 Soteriq P6
 Soteriq 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.



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.

OsSa EC
 OsSsL150
 OsSsL80
 OsSa-SMT RGB
 LX-A
 LX-H50-2
 LX-M
 LX-M2
 LX-Rebel
 LX-Rebel ES
 LX-T
 LX-Z RGB
 XM-B
 XM-D
 XM-L
 XM-L-2
 XT-E
 XP-E
 XP-G
 XP-G2
 NS9x383
 NCsxx19A
 NVsxx19A
 NVsxx19B
 Z5

BROOKE

www.ledil.com/brooke



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

BROOKE-SCR-M

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



BXRA ES R
BXRA ES S
Vero10
CL103X
CL1230
CL1330
CXA2011

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 M Z
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

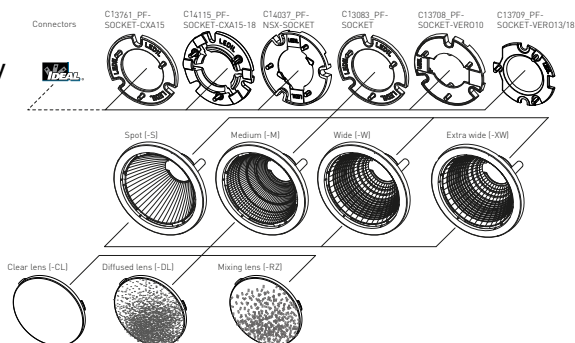
Metallized PC
H: 38,4 mm
D: 70 mm
Beam type: Wide
FWHM: 48°

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



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

COB-4W
CXA1304
CXA15
CXA1816
MK-R
MT-G
MT-G2
XM-L
XM-L2
XM-L RGB
XP-G
XP-G2
XP-E
LTP-A036
NSBn1066A
NSBn121A
NSCJ216A
NSC1036A
NVsx19A
NS9-383
DuriS8
OxSn EC
Ostar L+
Ostar-SMT RGB
Solariq P6
Solariq P9
Solariq S13
BXR A ES S
BXR A L5
SM4
Vero10
Vero13
Vero18
CL101X
CL102X
Mini Zenigata
LX-A
LX-M
LX-M2
LX-S
LX-CoB1203
LX-K4
LX-Z RGB
S-SLE-P G3 LESTO
CXM-6
CXM-7
CXM-9
ZC6

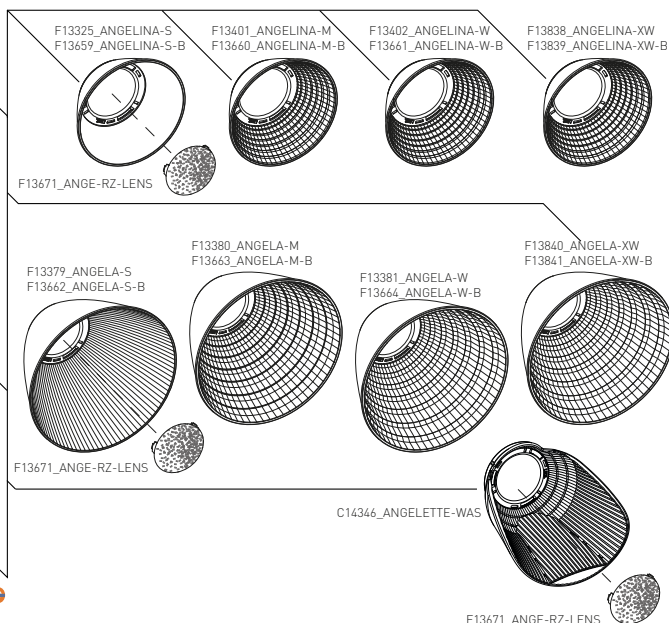
ANGELA /
ANGELINA

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
 BXR A ES R
 Vero13
 Vero18
 Vero29
 CXA15
 CXA1520
 CXA1816
 CXA25
 CXA30
 CXA35
 PRL C AC (LEP2000)
 PRL C AC (LEP800)
 PRL C Z3 LES19
 PRL C Z3 LES23
 PRL C Z3 LES9
 PRL C Z4 LES19
 Soteriq E30
 Soteriq S13
 Soteriq 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
 NSBx121A
 NSCJ216A
 LC026B/LC040B
 CXM-14
 LTH-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

SOLDERLESS
CONNECTORS:LEDiL
Clamps:Cree
CXA15 & 18
C14123_CLAMP-CXA15-18Cree
CXA25 & 30
C14036_CLAMP-CXA25-30Bridgelux
Vero13 & 18
C13658_CLAMP-VERO13-18Bridgelux
Vero29
C13584_CLAMP-VERO29Philips Lumileds
LUXEON Sxxxx
C13397_CLAMP-S3000
C13399_CLAMP-S5000ZHAGA Book3
SLM MODULES:

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

ANGELETTE-WAS

www.ledil.com/products

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.

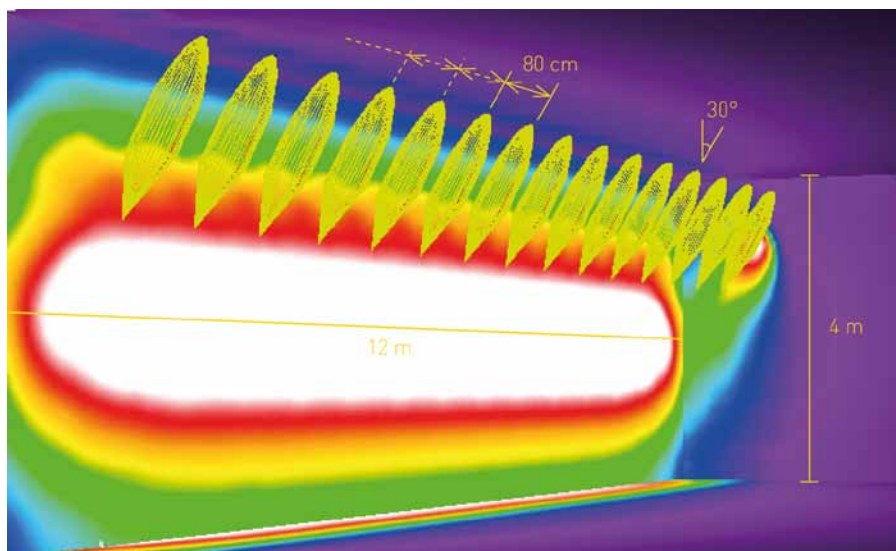
ANGELETTE-WAS

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

NEW!



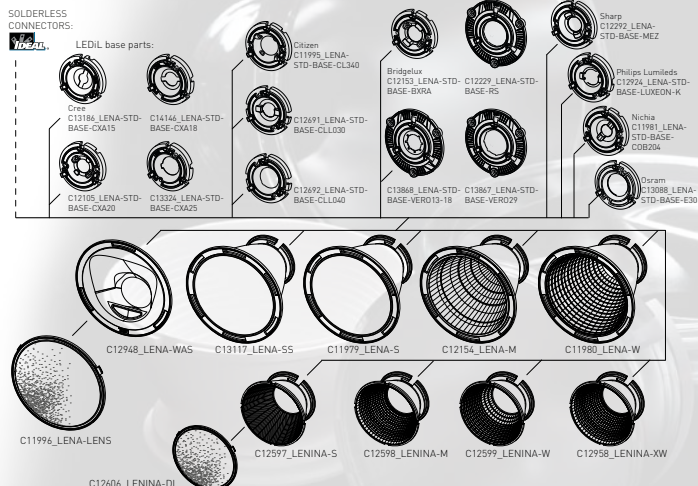
CXA1830
CXA25
LX S2000
LX S3000
LX S5000
Vero13
Vero18
Vero29



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

One system,
endless possibilities



CXA15
CXA1520
CXA1816
CXA2011
CXA25
NSCJ216A
NSBxL110
NSBxL121A
COB204
Soleriq E30
BXRA ES R
BXRA RS
V10
Vero13
Vero18
Vero29
CL1340
CLL03x
CLL04x
LX K12
LX K16
LX CoB 1204/1205
LX CoB 1208
Mega Zenigata
ZC12/18
ZC25/40
LTP-L-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.

Multi-lens arrays

SATU

www.ledil.com/satu



SATU-M

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

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



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
OsLSL150
OsLSL80
OsLSq EC
NCsxx19A
NF2x757A
NVsxx19A
NVsxx19B
LX-A LX-T
LX Rebel
LX Rebel ES
LX H50-2
Double Dome
Z5

CUTE

www.ledil.com/cute

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		



MX-3 MX-6
XM-L XM-L2
XM-L HWV
XP-E XT-E
XR-E XP-L
XP-G XP-G2
XT-E HWV
Z5 Z5-M1
OsLSq EC Pbr
OsLSL150
OsLSL80
NCsxx19A
NCsxx19B
NVsxx19A
NVsxx19B
NS3x83 NS5x83
Cer 3535 H35C1
LX-A LX-T
LX Rebel
LX Rebel ES
LX H50-2
Double Dome
Z5

GT3

www.ledil.com/gt3

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



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
LX-T
OsLSq EC
OsLSL150
OsLSL80
XB-D
XP-E
XP-G
NCsxx19A
NVsxx19A
Double Dome
Z5

GT4

www.ledil.com/gt4

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



LX-A
LX Rebel
LX Rebel ES
LX-T
OsLSL150
OsLSL80
XB-D
XP-E
XP-G
NCsxx19A
NVsxx19A
Double Dome
Z5

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.

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.

ANNA-50-5-S



Cer 3535
H35C0
Os4sq EC
Os4sq PC
Ostar L+
Ostar-SMT RGB
SFH 4715S (IR)
Os4 S5L150
Os4 S5L180
Duo455
ML-E
XB-D
XM-L
XM-L2
XP-E
XP-E2
XP-G
XP-G2
XT-E
LX-A
LX Rebel
LX Rebel E5
LX-R
LX-T
LX PWT
Double Dome
107
NCsxx19A
NF2x757A
NS5W157T
NS9x153
NS9x383
NVsxx19A
LH351A(3535)
SM4
Z5
Z5 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	50				
ANNA-50-3-M		3					
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	50				
ANNA-50-3-S		3					
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	50				
ANNA-50-3-W		3					
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.

Multi-lens arrays

ANGIE

www.ledil.com/angie

ANGIE-S

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

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



XP-E
XP-G
LX H50-2
LX T
LX Rebel
LX Rebel ES
Osram SS180
Osram SS1150
Osram EC
ZS

TAMPA

www.ledil.com/tampa

NIS83-MX-7-M

D: 38 mm
7 LEDs
PMMA
Beam type: Medium

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



MX-6
LX A
LX Rebel
LX Rebel ES
NIS3x83
NIS6x83
OLP-x5050F6L

PENTA

www.ledil.com/penta



PENTA-5-M

D: 35,5 mm
5 LEDs
PMMA
Beam type: Medium

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



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
NIS3x83
NIS6x83
ZS

QUAK

www.ledil.com/quak

NIS83-MX-4-M

D: 50 mm
4 LEDs
PMMA
Beam type: Medium

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



MX-6
NIS3x83
NIS6x83

MELODY

www.ledil.com/melody

MELODY-3-M

D: 50,6 mm

H: 11,9 mm

3 LEDs

PMMA

Beam type: Medium

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



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-ZE5
NCsxx19A
NCsxx19B
NVsxx19A
NVsxx19B
OsS5L180
OsS5L150
OsS5L150
OsS5L150
Double Dome
Z5 Z5-M

DOLLY

www.ledil.com/dolly

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



GDr+
LX-K2
P4

TUIJA

www.ledil.com/tuija

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



XB-D
XP-E
XP-G
XT-E
LX-A
LX-Rebel
LX-Rebel ES
OsS5L180
OsS5L150
OsS5L150
OsS5L150
NCsxx19A
NVsxx19A
Double Dome
Z5

MARTHA

www.ledil.com/martha

PLATINUMROCKET-3-SS

D: 50 mm

3 LEDs

PMMA

Beam type: Smooth spot

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



GDr+
LX-K2
MX-6
XR-E
NISxx83
P4

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.

Multi-lens arrays

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
OdiSSL150
OdiSSL80
OdiSSL60
LX Rebel
LX Rebel ES
Double Dome
NV5xx19A
NF2x757A
NV5xx19A
Z5

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



EMY-S

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

MX-G
NV5xx83
NV5xx19A

PETUNIA

www.ledil.com/petunifamily



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 OSLOX 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



OdiSSL150
XB-D
XP-E
XP-G
XT-E
NV5xx19A

FLORENCE

www.ledil.com/florence



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-ZT25

D: 286 x 61 mm
H: 11 mm
33 LEDs
PMMA



XH-B/G
XP-G
Duris E5
Duris P5
Duris S5
NF2x757D
LG5630
LG6030
LM231 A/B
LM362A
LM561B
5630
LX3535

FLORENCE-1R

www.ledil.com/products



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



Installation on a plate



FLORENCE-1R-Z90

D: 19,5 x 286 mm
H: 7 mm
PMMA

FLORENCE-1R-CLIP-B

PC



Profile installation

LG5630
NC5xx19B
NF2x757A
XB-H
XP-E
XP-E2
XP-G
XO-E
LX Rebel ES
LXT

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.

Multi-lens arrays

SHELLY

www.ledil.com/shelly



SHELLY-T-6X1-WAS

D: 119,8 x 19,6 mm
H: 7,6 mm
6 LEDs
PMMA

SHELLY-T-6X1-N

D: 119,8 x 19,6 mm
H: 7 mm
6 LEDs
PMMA



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

Duris55
LX Rebel
LX Rebel ES
LX T
LX Z ES
NC5xx19A
NC5xx19B
NF2x757A
NF2x757D
NV5xx19A
NV5xx19B
XB-D
XC-D
XC-E

ZENIA

www.ledil.com/products

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.

ZENIA

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



Duris E5

VANESSA

www.ledil.com/vanessafamily

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



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

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.

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.

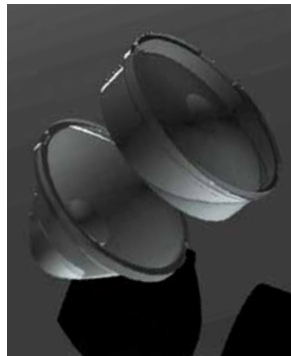
LX A
LX M
LX Rebel ES
LX S
LX Z RGB
MT-G2
XB-D
XM-L
XP-E
XP-G
XP-G2
XT-E
OsSd EC
Ostar-SMT RGB
NVsxx19A
NVsxx19B
LZ4(100xW00)

**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

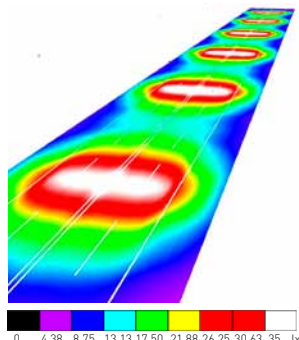


Name	Diameter	Beam type	Typ. FWHM
ZOWIE-MAXI	65	Zoom	TBA
ZOWIE-MIDI-RZ	35	Zoom	TBA
ZOWIE-MINI	14,8	Zoom	24-60

TATIANA

www.ledil.com/tatiana

- 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

NVsxx19A
OsSd EC
XM-L2
XP-G2
XT-E

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



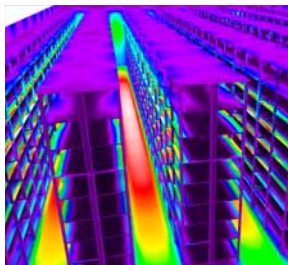
STRADA-2X2-CY

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%



[MK-R](#)
[XB-D](#)
[XM-L](#)
[XM-L2](#)
[XP-E](#)
[XP-E2](#)
[XP-E-HEW](#)
[XP-G2](#)
[XP-G](#)
[XP-L](#)
[XP-E](#)
[MX-E](#)
[MX-E2](#)
[XM-L-E2W](#)
[XQ-E](#)
[O1 RnEC](#)
[O1 RnPC](#)
[O1 SS180](#)
[O1 SS1150](#)
[LX-A](#)
[LX-M](#)
[LX-M2](#)
[LX-Q](#)
[LX Rebel](#)
[LX Rebel ES](#)
[LX-R](#)
[LX-T](#)
[LX H50-2](#)
[LX Z ES](#)
[NC5x19A](#)
[NC5x19B](#)
[NF2x257A](#)
[NS5x33](#)
[NS5x33B](#)
[NS5x19A](#)
[NS5x19B](#)
[Double Dome](#)
[IH351A\(3535\)](#)
[O1 P-5065f6-506A](#)
[MJT4040](#)
[Z5 M1](#)
[Z5](#)
[H35C1](#)

STRADA

www.ledil.com/strada

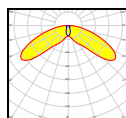
STRADA lenses, originally designed for street lighting applications, are suitable for many other applications as well.

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.

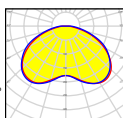
Symmetric STRADA lenses were the first lenses from LEDiL designed especially for street lighting applications. On street lighting setups, symmetrical light distribution requires a mounting boom and tilt in the lamp head. This makes symmetrical STRADA lenses ideal for traditional street light replacement.



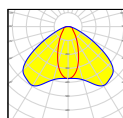
Single optics

**STRADA-A**

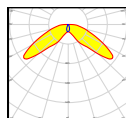
D: 19,6 x 15,4 mm
H: 10,8 mm
PMMA
Typ. FWHM: 80° x 146°
Typ. eff: 92%

**STRADA-C2**

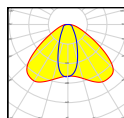
D: 19,6 x 15,6 mm
H: 6,4 mm
PMMA
Typ. FWHM: 120°
Typ. eff: 92%

**STRADA-B**

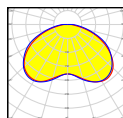
D: 19,6 x 15,5 mm
H: 6 mm
PMMA
Typ. FWHM: 105° x 44°
Typ. eff: 93%

**STRADA-A2**

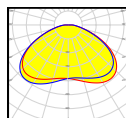
D: 19,6 x 15,4 mm
H: 10,6 mm
PMMA
Typ. FWHM: 72° x 141°
Typ. eff: 92%

**STRADA-B2**

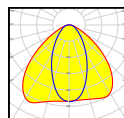
D: 19,6 x 15,5 mm
H: 5,3 mm
PMMA
Typ. FWHM: 111° x 47°
Typ. eff: 92%

**STRADA-C**

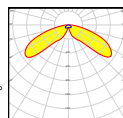
D: 19,6 x 15,6 mm
H: 5,3 mm
PMMA
Typ. FWHM: 125°
Typ. eff: 92%

**STRADA-C2-CLIP**

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

**STRADA-DN**

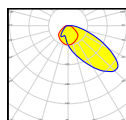
D: 19,6 x 15,7 mm
H: 5,9 mm
PMMA
Typ. FWHM: 107° x 58°
Typ. eff: 92%

**STRADA-DW**

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

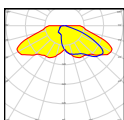
FWHM angles, efficiencies and cd/lm values contained herein are typical values. Actual measured values depend of the specific LED/optic combination. Go to www.ledil.com for LED specific values and optical datasheets.

Street lighting



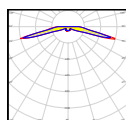
STRADA-FT

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



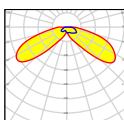
STRADA-FW

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



STRADA-S

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



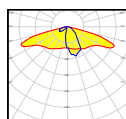
STRADA-T-DW-EP

D: 19,8 x 15,5 mm
H: 10,7 mm
PMMA
Typ. eff: 92%



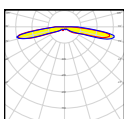
STRADA-SQ-T-DW-90

D: 25 x 25 mm, H: 11,4 mm
Typ. eff: 91%



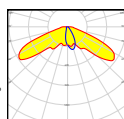
STRADA-SQ-T2

D: 25 x 25 mm
H: 8,5 mm
PMMA
Typ. eff: 90%



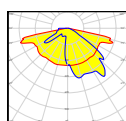
STRADA-S-14

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



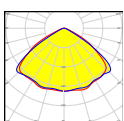
STRADA-K

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



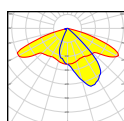
STRADA-SQ-T3

D: 25 x 25 mm
H: 8,5 mm
PMMA
Typ. eff: 90%



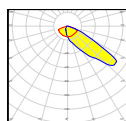
STRADA-SQ-CY

D: 25x25 mm
H: 10,1 mm
PMMA
Typ. eff: 94%



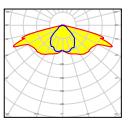
STRADA-SQ-A-T

D: 25 x 25 mm
H: 9,1 mm
PMMA
Typ. eff: 93%



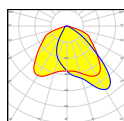
STRADA-SQ-FS

D: 25 x 25 mm
H: 12,3 mm
PMMA
Typ. eff: 93%



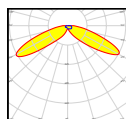
STRADA-SQ-FS2

D: 25 x 25 mm
H: 8,2 mm
PMMA
Typ. eff: 90%



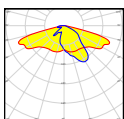
STRADA-SQ-T-DN

D: 25 x 25 mm
H: 8,5 mm
PMMA
Typ. eff: 90%



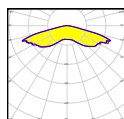
STRADA-SQ-T-DW

D: 25 x 25 mm
H: 11,4 mm
PMMA
Typ. eff: 91%



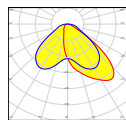
STRADA-SQ-T-DWC

D: 25 x 25 mm
H: 9,1 mm
PMMA
Typ. eff: 93%



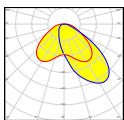
STRADA-SQ-VSM

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



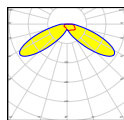
STRADA-T-DN

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



STRADA-T-DN-EP

D: 19,8 x 15,5 mm
H: 8,8 mm
PMMA
Typ. eff: 91%



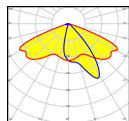
STRADA-T-DW

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

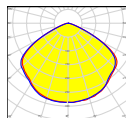
Name	Diameter	Height	Typ. eff.	Typ. FWHM
STRADA-SQ-FS-NP	25x25	12,4	TBA	TBA
STRADA-SQ-ME	25x25	8,6	TBA	TBA
STRADA-SQ-FT	25x25	12,5	TBA	TBA
STRADA-SQ-ME-NP	25x25	8,6	TBA	TBA
STRADA-SQ-T4	25x25	9,4	TBA	TBA
STRADA-SQ-FW	25x25	15,3	TBA	TBA
STRADA-SQ-T4-NP	25x25	9,4	TBA	TBA
STRADA-C2-NP	19,6 x 15,5	6,9	92,0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

Stanley3J
Stanley6J
CL-L400
LH351A(3535)
LH351B
NCsx19A
NCsx19B
NS3x33
NS6x33
NS9x33
NVsx19A
NVsx19B
Double Dome
LX A
LX H50-2
LX M
LX MZ
LX O
LX R
LX Rebel
LX Rebel ES
LX T
LX TX
LX T5
OLP-S05FSL
OLP-S05FSL-OC
GIR-
Oslsq EC
Oslsq PC
Osl SSL150
Osl SSL80
Ostar-SMT RGB
MC-E
MK-R
MK-R2
MT-G
MX-3
MX-6
XB-D
XBH
XHL
XHL2
XOF
XP-E
XP-E2
XP-E HEW
XP-G
XP-G2
XP-L
XRE
XRE
XFE HW
M.J.4040
ZSM1
ZSM
ZSP
H35C0
H35B0
H35C1

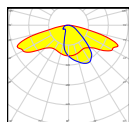
2x2 modules



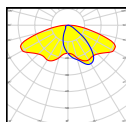
STRADA-2X2-A-T
D: 50 x 50 mm
H: 7,3 mm
PMMA
Typ. eff: 93%



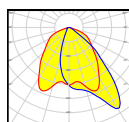
STRADA-2X2-CY
D: 50x50 mm
H: 7,8 mm
PMMA
Typ. eff: 94%



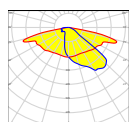
STRADA-2X2-DWC
D: 50 x 50 mm
H: 6 mm
PMMA
Typ. eff: 93%



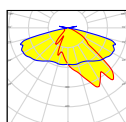
STRADA-2X2-DNW
D: 50 x 50 mm
H: 11 mm
PMMA
Typ. eff: 93%



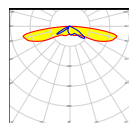
STRADA-2X2-DN
D: 50 x 50 mm
H: 8,05 mm
PMMA



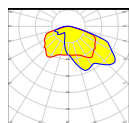
STRADA-2X2-ME
D: 50 x 50 mm
H: 8,2 mm
PMMA



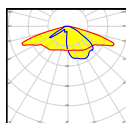
STRADA-2X2-ME-WIDE1
D: 50 x 50 mm
H: 8,3 mm
PMMA



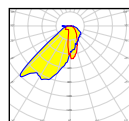
STRADA-2X2-XW
D: 50 x 50 mm
H: 7 mm
PMMA
Typ. eff: 94%



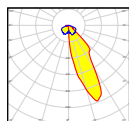
STRADA-2X2-T4
D: 50 x 50 mm
H: 7 mm
PMMA



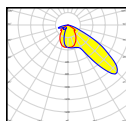
STRADA-2X2-T3
D: 50 x 50 mm
H: 7 mm
PMMA



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-IP 2X6 modules



STRADA-IP-2X6-DWC

D: 173 x 71,4 mm, H: 7,9 mm
Typ. efficiency: 96%

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%

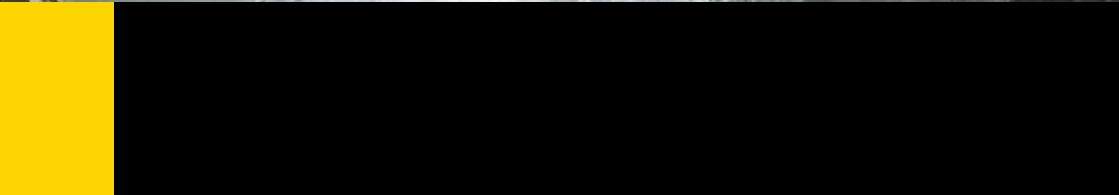
STRADA-IP-2X6-ME

D: 173 x 71,4 mm, H: 7,9 mm
Typ. efficiency: 96%

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.





Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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