



Optics qualified for Nichia LEDs

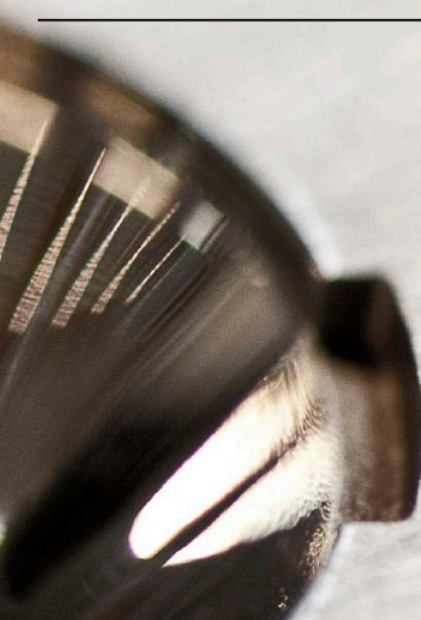
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Q2/2012



SINGLE LENSES



LISA2-PIN
D= 9.9 MM
PMMA

NICHIA NCS19 / NVS19
FP11057_LISA2-RS-PIN
FP10998_LISA2-M-PIN
FP11127_LISA2-O-PIN
FP11855_LISA2-O-90-PIN
FP10999_LISA2-W-PIN
FP11000_LISA2-WW-PIN
FP11954_LISA2-WWW-PIN



TINA
D= 16.1 MM
PMMA

NICHIA 6Nx83 / 3Nx83
FA10888_TINA-RS
FA10646_TINA-D
FA10647_TINA-M
FA11201_TINA-O
FA10839_TINA-W
FA10901_TINA-WW



HEIDI
D= 21.6 MM
PMMA

NICHIA NCS19 / NVS19
CA11663_HEIDI-RS
CA12242_HEIDI-SS
CA11264_HEIDI-D
CA11265_HEIDI-M
CA11266_HEIDI-O
CA11267_HEIDI-O-90
CA11268_HEIDI-W
CA12079_HEIDI-W2



LISA2-CLIP
D=9.9 MM
PMMA

NICHIA NCS19 / NVS19
FP11087_LISA2-RS-CLIP
FP11078_LISA2-M-CLIP
FP11123_LISA2-O-CLIP
FP11860_LISA2-O-90-CLIP
FP11079_LISA2-W-CLIP
FP11080_LISA2-WW-CLIP
FP11955_LISA2-WWW-CLIP



TINA2
D= 16.1 MM
PMMA

NICHIA 6Nx83 / 3Nx83
CA11171_TINA2-RS
CA11172_TINA2-D
CA11173_TINA2-O
CA11174_TINA2-M
CA11175_TINA2-W
CA11176_TINA2-WW



TWIDDLE
D= 21.6 MM
PMMA

NICHIA 6Nx83 / 3Nx83
FA10734_TWIDDLE-D
FA10736_TWIDDLE-M



TINA3
D= 16.1 MM
PMMA

NICHIA NCS19 / NVS19
FA11905_TINA3-S
FA11870_TINA3-OO
FA11824_TINA3-W
FA11825_TINA3-WW
FA11826_TINA3-WWW

CP12682_TINA2-RS
CP12683_TINA2-D
CP12684_TINA2-O
CP12685_TINA2-M
CP12686_TINA2-W



TINA2
D= 16.1 MM
PMMA

NICHIA NCS19 / NVS19
CA11020_TINA2-RS
CA11942_TINA2-D
CA11021_TINA2-M
CA11053_TINA2-O
CA11022_TINA2-W



EMILY
D= 26 MM
PMMA

NICHIA NCS19 / NVS19
CA11387_EMILY-SS
CA11388_EMILY-M
CA11391_EMILY-M2
CA11389_EMILY-O
CA11390_EMILY-O-90
CA11934_EMILY-W



SINGLE LENSES



IRINA
D= 24.7 MM
PMMA

NICHIA NCS19 / NVS19
C11421_IRINA-RS

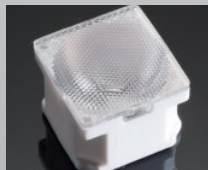


ROSE
21.6 MM X 21.6 MM
PC (*COP)

NICHIA 6Nx83 / 3Nx83
FA10336_NIS83-MX-RS
FA10337_NIS83-MX-SS
FA10338_NIS83-MX-D
FA10339_NIS83-MX-M
FA10340_NIS83-MX-O
FA10903_NIS83-MX-W
FA11151_NIS83-MX-O-90

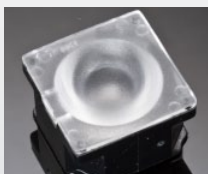
NICHIA NCCU033*
FA10857_NIS033U-RS
FA10911_NIS033U-SS
FA10912_NIS033U-M
FA10913_NIS033U-W

NICHIA 153
FA11233_NIS53-SS
FA11234_NIS53-D
FA11235_NIS53-M
FA11236_NIS53-O
FA11237_NIS53-W-V6



ROSE
21.6 MM X 21.6 MM
PMMA

NICHIA 6Nx83 / 3Nx83
CA12124_NIS83-MX-2-RS
CA12123_NIS83-MX-2-SS
CA12122_NIS83-MX-2-D
CA12126_NIS83-MX-2-M



LAURA
21.6 MM X 21.6 MM
PMMA

NICHIA NCS19 / NVS19
CA11974_LAURA-RS
CA11977_LAURA-SS
CA11975_LAURA-D
CA11976_LAURA-M
CA11978_LAURA-O
CA11427_LAURA-REF-W
CA12570_LAURA-W
CA11978_LAURA-WW



LAURA
21.6 MM X 21.6 MM
PMMA

NICHIA NCS19 / NVS19
CA11959_LAURA-RS-PIN
CA12011_LAURA-SS-PIN-WHT
CA11960_LAURA-D-PIN-WHT
CA11837_LAURA-M-PIN-WHT
CA12012_LAURA-O-PIN-WHT
CA12344_LAURA-W-PIN-WHT



LAURA
21.6 MM X 21.6 MM
PMMA

NICHIA NCS19 / NVS19
CP12631_LAURA-RS-PG-WHT
CP12634_LAURA-SS-PG-WHT
CP12632_LAURA-D-PG-WHT
CP12633_LAURA-M-PG-WHT
CP12635_LAURA-O-PG-WHT
CP12636_LAURA-W-PG-WHT
CP12637_LAURA-WW-PG-WHT



LEILA
D= 21.6 MM
PMMA

NICHIA 6Nx83 / 3Nx83
FA10696_LN2-RS
FA10695_LN2-D
FA10697_LN2-M
FA11452_LN2-M2
FA11108_LN2-O-90
FA10698_LN2-REC



LEILA
D= 21.6 MM
PMMA

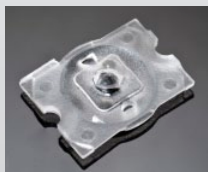
NICHIA NCS19 / NVS19
CP10870_LN3-RS-WHT
CP10872_LN3-D-WHT
CP10869_LN3-M-WHT
CP12405_LN3-O-90-WHT
CP12406_LN3-W-WHT

SPECIALTY PRODUCTS



JULIA-A
18.9 MM X 4.7 MM
PMMA

NICHIA NCS19 / NVS19
F11947_JULIA-A
FA11948_JULIA-A



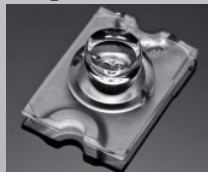
LOTTA-A
15.4 MM X 19.6 MM
PMMA

NICHIA NCS19 / NVS19
C11518_LOTTA-A
CA11519_LOTTA-A



STRADA-S
15.5MM X 19.6 MM
PMMA

NICHIA NCS19 / NVS19
CA11248_STRADA-S
C11249_STRADA-S



STRADA-S
13.9 MM X 19.6 MM
PMMA

NICHIA NCS19 / NVS19
DA12115_STRADA-S
D12114_STRADA-S



FLARE-B
29.0 MM X 24.5 MM X
14.5 MM
PMMA

NICHIA NCS19 / NVS19
C10946_FLARE-B
CA10932_FLARE-B



LAURA REFLECTOR
21.6 MM X 21.6 MM
PMMA

NICHIA NCS19 / NVS19
CA11427_LAURA REFL-W



IRIS
D= 38 MM
PMMA

NICHIA NCS19 / NVS19
FCN12076_IRIS-SCREW
FCA12077_IRIS



EMILY-WAS
D= 26 MM
PMMA

NICHIA NCS19 / NVS19
CA11998_EMILY-SS-WAS
CA12000_EMILY-O-WAS



REGINA
D= 19 MM
METALLIZED PC

NICHIA NCS19 / NVS19
C11347_REGINA



RITA
D= 36 X 29 MM
PC

NICHIA NCS19 / NVS19
C12512_RITA-A-WHT
CA12514_RITA-A-WHT



SOPHIE
150 X 20 MM
PMMA

NICHIA NCS19 / NVS19
C12446_SOPHIE



REFLECTORS



TYRA3
D= 40 MM
METALLIZED PC

NICHIA NSBLL110
C12358_TYRA3-W
C12359_TYRA3-WW



BARBARA
D= 70 MM
METALLIZED PC

NICHIA COB
C11552_BARBARA-S
C11553_BARBARA-W
C12461_BARBARA-WW



LENA
D= 111 MM
METALLIZED PC

NICHIA COB110 / 204
CN12099_LENA-S
CN12110_LENA-S-DL
CN12162_LENA-M
CN12165_LENA-M-DL
CN12100_LENA-W
CN12111_LENA-W-DL



LISA2 REFLECTOR
D= 9.9 MM
PC

NICHIA NVS19 / NCS19
C12469_LISA2-R-PIN

SHARP DOUBLE DOME
C12469_LISA2-R-PIN



MULTIPLE LENSES



SATU
D= 21.8 MM (3UP)
PMMA

NICHIA NCS19 / NVS19
C11916_SATU-S
C11917_SATU-O
C11602_SATU-M
C11544_SATU-W



ANGIE
D= 34 MM (4UP)
PMMA

NICHIA NCS19 / NVS19
C12285_ANGIE-S
C12286_ANGIE-M
C12287_ANGIE-M2
C12288_ANGIE-W



ANNA-3
D= 40 MM (3UP)
PMMA

NICHIA NCS19 / NVS19
C11710_ANNA-40-3-S
C11711_ANNA-40-3-M
C11712_ANNA-40-3-W



CUTE-3
D= 35 MM (3UP)
PMMA

NICHIA NCS19 / NVS19
C10754_CUTE-3-SS
C10755_CUTE-3-M
C10756_CUTE-3-W



CUTE-4
D= 35 MM (4UP)
PMMA

NICHIA 6Nx83 / 3Nx83
C10812_CUTE-4-M
C10813_CUTE-4-W



ANNA-4
D= 40 MM (4UP)
PMMA

NICHIA NCS19 / NVS19
C11793_ANNA-40-4-S
C11794_ANNA-40-4-M
C11795_ANNA-40-4-W



GT3
D= 35 MM (3UP)
PMMA

NICHIA NCS19 / NVS19
C10891_GT3-S
C10892_GT3-M
C10893_GT3-W
C11624_GT3-WW



GT4
D= 35 MM (4UP)
PMMA

NICHIA NCS19 / NVS19
C10971_GT4-S
C10972_GT4-M
C10973_GT4-W
C10974_GT4-WW



ANNA-5
D= 40 MM (5UP)
PMMA

NICHIA NCS19 / NVS19
C11713_ANNA-40-5-S
C11714_ANNA-40-5-M
C11715_ANNA-40-5-W



PENTA
D= 35 MM (5UP)
PMMA

NICHIA 6Nx83 / 3Nx83
C11281_NIS83-MX-5-D
C10472_RER-5-M
C10814_NIS83-MX-5-W



ANNA-6
D= 40 MM (6UP)
PMMA

NICHIA NCS19 / NVS19
C11805_ANNA-40-6-S
C11806_ANNA-40-6-M
C11807_ANNA-40-6-W



MULTIPLE LENSES



ANNA-7
D= 40 MM (7UP)
PMMA

NICHIA NCS19 / NVS19
C11716_ANNA-40-7-S
C11717_ANNA-40-7-M
C11718_ANNA-40-7-W



ANNA-6
D= 50 MM (6UP)
PMMA

NICHIA NCS19 / NVS19
C11811_ANNA-50-6-S
C11812_ANNA-50-6-M
C11813_ANNA-50-6-W



MARTHA / TUIJA
D= 50 MM (3UP)
PMMA

NICHIA NCS19 / NVS19
C11192_TUIJA-3-SS
C11193_TUIJA-3-M
C11191_TUIJA-3-W



ANNA-3
D= 50 MM (3UP)
PMMA

NICHIA NCS19 / NVS19
C11606_ANNA-50-3-S
C11607_ANNA-50-3-M
C11608_ANNA-50-3-W



ANNA-7
D= 50 MM (7UP)
PMMA

NICHIA NCS19 / NVS19
C11670_ANNA-7-S
C11679_ANNA-7-M
C11682_ANNA-7-W



QUAK
D= 50 MM (4UP)
PMMA

NICHIA 6Nx83 / 3Nx83
C10385_NIS83-MX-4-SS
C10386_NIS83-MX-4-M
C10387_NIS83-MX-4-W



ANNA-4
D= 50 MM (4UP)
PMMA

NICHIA NCS19 / NVS19
C11799_ANNA-50-4-S
C11800_ANNA-50-4-M
C11801_ANNA-50-4-W



TAMPA
D= 38 MM (7UP)
PMMA

NICHIA 6Nx83 / 3Nx83
C10373_NIS83-MX-7-M
C10633_NIS83-MX-7-MD
C10585_NIS83-MX-7-W
C10586_NIS83-MX-7-WW



EMY
D= 50 MM (6UP)
PMMA

NICHIA 6Nx83 / 3Nx83
C10535_NIS83-MX-6-S



ANNA-5
D= 50 MM (5UP)
PMMA

NICHIA NCS19 / NVS19
C11612_ANNA-50-5-S
C11613_ANNA-50-5-M
C11614_ANNA-50-5-W



MARTHA / DOLLY
D= 50 MM (3UP)
PMMA

NICHIA 6Nx83 / 3Nx83
C10436_NIS83-MX-3-M
C10364_NIS83-MX-3-W



SANDRA
D= 70 MM (12UP)
PMMA

NICHIA NCS19 / NVS19
C11814_SANDRA-12-M
C11700_SANDRA-12-W



STREET LIGHTING



STRADA-B/B2
15.4 MM X 19.6 MM
PMMA

NICHIA NCS19 / NVS19
C10949_STRADA-B2
CA10950_STRADA-B2



STRADA-C/C2
15.5 MM X 19.6MM
PMMA

NICHIA NCS19 / NVS19
C11252_STRADA-C2
CA11253_STRADA-C2

NICHIA 6Nx83 / 3Nx83
C11277_STRADA-C
CA11348_STRADA-C



STRADA-DN
15.4 MM X 19.6 MM
PMMA

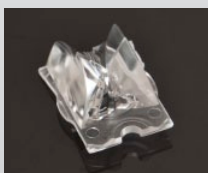
NICHIA 6Nx83 / 3Nx83
C11244_STRADA-DN
CA11245_STRADA-DN



STRADA-DW
15.4 MM X 19.6 MM
PMMA

NICHIA NCS19 / NVS19
C11255_STRADA-DW
CA11256_STRADA-DW

NICHIA 6Nx83 / 3Nx83
C11242_STRADA-DW
CA11243_STRADA-DW



STRADA-T-DW
15.5 MM X 19.6 MM
PMMA

NICHIA NCS19 / NVS19
C11425_STRADA-T-DW
CA11426_STRADA-T-DW



STRADA-T-DW
15.5MM X 19.6 MM
PMMA

NICHIA 6Nx83 / 3Nx83
C12331_STRADA-T-DW
CA12333_STRADA-T-DW



STRADA-T-DN
15.5 MM X 19.6 MM
PMMA

NICHIA NCS19 / NVS19
C11415_STRADA-T-DN
CA11416_STRADA-T-DN

NICHIA 6Nx83 / 3Nx83
C12329_STRADA-T-DN
CA12332_STRADA-T-DN



STRADA-FT
15.5 MM X 19.6 MM
PMMA

NICHIA NCS19 / NVS19
C12049_STRADA-FT
CA12050_STRADA-FT



STRADA-FW
15.5 MM X 19.6 MM
PMMA

NICHIA NCS19 / NVS19
C12086_STRADA-FW
CA12087_STRADA-FW

NICHIA 6Nx83 / 3Nx83
C12226_STRADA-FW
CA12238_STRADA-FW



HB-5X1
123 MM X 25 MM
PMMA

NICHIA NCS19 / NVS19
C12345_HB-5X1



STRADA 2X2
50 MM X 50 MM
PMMA

NICHIA NCS19 / NVS19
C12361_HB-2X2



STRADA-T-6X1
25.2 MM X 120 MM
PMMA

NICHIA NCS19 / NVS19
C11918_STRADA-T-6X1-DNW
C12449_STRADA-T-6x1-DWC



BEAM ANGLE RANGE (FWHM)

Spot (RS, SS, S)	3-18 degrees
Medium (D, M, M2)	19 - 35 degrees
Wide (W, W2)	36 - 45 degrees
Extra Wide (WW)	46 - 63 degrees
WWW	64 -> degrees
O	Oval
REC	Rectangular

PREFIXES

F = FI / optic or holder

FA = FI / assembled optic+holder / tape

FN = FI / unassembled optic+holder / no tape

FX = FI / unassembled optic+holder / tape

FP = FI / assembled optic+holder/no tape

FCA = FI / assembled optic+holder / tape

FCN = FI / unassembled optic+holder / no tape

FCX = FI / unassembled optic+holder / tape

FI = Finland, Country of Origin

C = CN / optic or holder

CA = CN / assembled optic+holder / tape

CN = CN / unassembled optic+holder / no tape

CX = CN / unassembled optic+holder / tape

CP = CN / assembled optic+holder / no tape

CN = China, Country of Origin

Qualification of LEDs with our optics occurs every day, please visit www.ledil.com for the latest information. Contact sales@ledil.com if you do not see an optic qualified for your LED of choice.





Our Company

The only true specialist in the field of secondary optics for high-power and lighting-class LEDs, LEDiL has been producing precision-engineered optics and reflectors since 2002 and now boasts nearly 1000 standard products optimized for use with LEDs produced by the world's prominent LED manufacturers.

Custom solutions are also commonly developed with minimal end-user tooling investment required. With production in Finland and China and a global network of authorized distributors, LEDiL's products are market-competitive and readily available.



Quality

Innovative and skillful designers engineer quality into every LEDiL optic. All our lenses are produced by a unique injection molding process, which ensures high optical quality, performance, lifetime and functionality. Our optics can work in extreme conditions.