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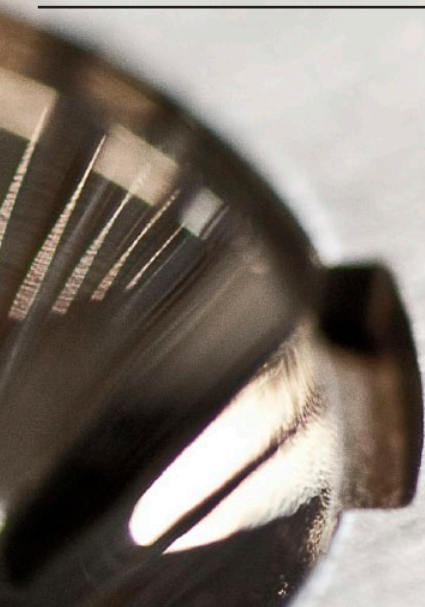
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Q2/2012

# SINGLE LENSES



**LISA2-PIN**  
D= 9.9 MM  
PMMA

## CREE XP-E / XP-G

FP11055\_LISA2-RS-PIN  
FP10995\_LISA2-M-PIN  
FP11125\_LISA2-O-PIN  
FP11851\_LISA2-O-90-PIN  
FP10996\_LISA2-W-PIN  
FP10997\_LISA2-WW-PIN  
FP11429\_LISA2-WWW-PIN

## CREE XB-D

FP10995\_LISA2-M-PIN  
FP10996\_LISA2-W-PIN  
FP10997\_LISA2-WW-PIN  
FP11429\_LISA2-WWW-PIN

## PHILIPS LUMILEDS

### LUXEON REBEL ES

FP11056\_LISA2-RS-PIN  
FP10992\_LISA2-M-PIN  
FP11126\_LISA2-O-PIN  
FP11853\_LISA2-O-90-PIN  
FP10996\_LISA2-W-PIN  
FP10997\_LISA2-WW-PIN  
FP11429\_LISA2-WWW-PIN

## PHILIPS LUMILEDS

### LUXEON REBEL

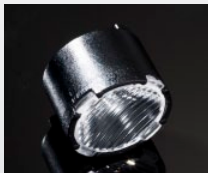
FP11056\_LISA2-RS-PIN  
FP10992\_LISA2-M-PIN  
FP11126\_LISA2-O-PIN  
FP11853\_LISA2-O-90-PIN  
FP10993\_LISA2-W-PIN  
FP10994\_LISA2-WW-PIN  
FP11951\_LISA2-WWW-PIN

## OSRAM OSOLON

FP11047\_LISA2-RS-PIN  
FP11001\_LISA2-M-PIN  
FP11124\_LISA2-O-PIN  
FP11852\_LISA2-O-90-PIN  
FP11002\_LISA2-W-PIN  
FP11003\_LISA2-WW-PIN  
FP11957\_LISA2-WWW-PIN

## 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



**LISA2-PIN**  
D= 9.9 MM  
PMMA

## SHARP DOUBLE DOME

FP11055\_LISA2-RS-PIN  
FP10995\_LISA2-M-PIN  
FP11125\_LISA2-O-PIN  
FP11851\_LISA2-O-90-PIN  
FP10996\_LISA2-W-PIN  
FP10997\_LISA2-WW-PIN  
FP11429\_LISA2-WWW-PIN

## SEOUL Z5

FP11055\_LISA2-RS-PIN  
FP10995\_LISA2-M-PIN  
FP11125\_LISA2-O-PIN  
FP11851\_LISA2-O-90-PIN  
FP10996\_LISA2-W-PIN  
FP10997\_LISA2-WW-PIN  
FP11429\_LISA2-WWW-PIN



**LISA2-CLIP**  
D= 9.9 MM  
PMMA

## CREE XP-E / XP-G

FP11085\_LISA2-RS-CLIP  
FP11075\_LISA2-M-CLIP  
FP11121\_LISA2-O-CLIP  
FP11856\_LISA2-O-90-CLIP  
FP11076\_LISA2-W-CLIP

## PHILIPS LUMILEDS

### LUXEON REBEL ES

FP11086\_LISA2-RS-CLIP  
FP11072\_LISA2-M-CLIP  
FP11122\_LISA2-O-CLIP  
FP11858\_LISA2-O-90-CLIP  
FP11076\_LISA2-W-CLIP  
FP11077\_LISA2-WW-CLIP  
FP11431\_LISA2-WWW-CLIP

## PHILIPS LUMILEDS

### LUXEON REBEL

FP11086\_LISA2-RS-CLIP  
FP11072\_LISA2-M-CLIP  
FP11122\_LISA2-O-CLIP  
FP11858\_LISA2-O-90-CLIP  
FP11073\_LISA2-W-CLIP  
FP11074\_LISA2-WW-CLIP  
FP11952\_LISA2-WWW-CLIP



**LISA2-CLIP**  
D=9.9 MM  
PMMA

## OSRAM OSOLON

FP11084\_LISA2-RS-CLIP  
FP11081\_LISA2-M-CLIP  
FP11120\_LISA2-O-CLIP  
FP11857\_LISA2-O-90-CLIP  
FP11082\_LISA2-W-CLIP  
FP11083\_LISA2-WW-CLIP  
FP11958\_LISA2-WWW-CLIP

## 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

## SHARP DOUBLE DOME

FP11085\_LISA2-RS-CLIP  
FP11075\_LISA2-M-CLIP  
FP11121\_LISA2-O-CLIP  
FP11856\_LISA2-O-90-CLIP  
FP11076\_LISA2-W-CLIP  
FP11077\_LISA2-WW-CLIP  
FP11431\_LISA2-WWW-CLIP

## SEOUL Z5

FP11085\_LISA2-RS-CLIP  
FP11075\_LISA2-M-CLIP  
FP11121\_LISA2-O-CLIP  
FP11856\_LISA2-O-90-CLIP  
FP11076\_LISA2-W-CLIP  
FP11077\_LISA2-WW-CLIP  
FP11431\_LISA2-WWW-CLIP

# SINGLE LENSES



**LISA**  
D= 10.8 - 11 MM  
PMMA

**CREE XP-E / XP-G**  
CP11627\_LISA-RS  
CP10641\_LISA-SS

**OSRAM PLATINUM / DRAGON**  
CP11626\_LISA-RS  
CP10444\_LISA-SS

**PHILIPS LUMILEDS  
LUXEON REBEL**  
CP11629\_LISA-RS  
CP10544\_LISA-SS

**SEOUL Z5**  
CP11627\_LISA-RS  
CP10641\_LISA-SS



**TINA3**  
D= 16.1 MM  
PMMA

**CREE XP-E / XP-G**  
FA11905\_TINA3-S  
FA11870\_TINA3-OO  
FA11824\_TINA3-W  
FA11825\_TINA3-WW  
FA11826\_TINA3-WWW

**CREE XB-D**  
FA11824\_TINA3-W  
FA11870\_TINA3-OO

**CREE XT-E**  
FA11902\_TINA-3-W  
FA11904\_TINA-3-WWW

**PHILIPS LUMILEDS  
LUXEON REBEL**  
FA11905\_TINA3-S  
FA11870\_TINA3-OO  
FA11824\_TINA3-W  
FA11825\_TINA3-WW  
FA11826\_TINA3-WWW



**TINA3**  
D= 16.1 MM  
PMMA

**PHILIPS LUMILEDS  
LUXEON REBEL ES**  
FA11905\_TINA3-S  
FA11870\_TINA3-OO  
FA11824\_TINA3-W  
FA11825\_TINA3-WW  
FA11826\_TINA3-WWW

**OSRAM OSOLON**  
FA11905\_TINA3-S  
FA11870\_TINA3-OO  
FA11824\_TINA3-W  
FA11825\_TINA3-WW  
FA11826\_TINA3-WWW

**NICHIA NCS19 / NVS19**  
FA11905\_TINA3-S  
FA11870\_TINA3-OO  
FA11824\_TINA3-W  
FA11825\_TINA3-WW  
FA11826\_TINA3-WWW

**SHARP DOUBLE DOME**  
FA11905\_TINA3-S  
FA11870\_TINA3-OO  
FA11824\_TINA3-W  
FA11825\_TINA3-WW  
FA11826\_TINA3-WWW

**SEOUL Z5**  
FA11905\_TINA3-S  
FA11870\_TINA3-OO  
FA11824\_TINA3-W  
FA11825\_TINA3-WW  
FA11826\_TINA3-WWW

**CREE XM-L**  
FA11905\_TINA-3-S  
FA11902\_TINA-3-W  
FA11903\_TINA-3-WW  
FA11904\_TINA-3-WWW



**TINA-O-PLUS**  
D= 16 MM  
PMMA

**OSRAM PLATINUM/DRAGON+**  
C10449\_TINA-W



**TINA**  
D= 16.1 MM  
PMMA

**CREE XP-E / XP-G**  
FA10887\_TINA-RS  
FA10644\_TINA-D  
FA10645\_TINA-M  
FA11200\_TINA-O  
FA10838\_TINA-W  
FA11019\_TINA-WW

**CREE MX6 / MX3**  
FA10888\_TINA-RS  
FA10646\_TINA-D  
FA10647\_TINA-M  
FA11201\_TINA-O  
FA10839\_TINA-W  
FA10901\_TINA-WW

**NICHIA 6Nx83 / 3Nx83**  
FA10888\_TINA-RS  
FA10646\_TINA-D  
FA10647\_TINA-M  
FA11201\_TINA-O  
FA10839\_TINA-W  
FA10901\_TINA-WW

**OSRAM OSOLON**  
FA11208\_TINA-RS  
FA11205\_TINA-D  
FA11206\_TINA-M  
FA11204\_TINA-O  
FA11207\_TINA-W

**OSRAM PLATINUM/DRAGON+**  
FA10886\_TINA-RS  
FA10642\_TINA-D  
FA10643\_TINA-M  
FA11199\_TINA-O

**PHILIPS LUMILEDS  
LUXEON REBEL**  
FA11212\_TINA-RS  
FA11209\_TINA-D  
FA11210\_TINA-M  
FA11203\_TINA-O  
FA11211\_TINA-W

**PHILIPS LUMILEDS  
LUXEON REBEL ES**  
FA12038\_TINA-RS  
FA12310\_TINA-D  
FA12040\_TINA-M

**SEOUL Z5**  
FA10887\_TINA-RS  
FA10644\_TINA-D  
FA11200\_TINA-O  
FA10645\_TINA-M  
FA10838\_TINA-W  
FA11019\_TINA-WW



# SINGLE LENSES



**TINA2**  
D= 16.1 MM  
PMMA

**CREE XP-E / XP-G**  
CA11016\_TINA2-RS  
CA11420\_TINA2-D  
CA11017\_TINA2-M  
CA11052\_TINA2-O  
CA12056\_TINA2-W

CP12677\_TINA2-RS  
CP12678\_TINA2-D  
CP12679\_TINA2-M  
CP12680\_TINA2-O  
CP12681\_TINA2-W

**CREE XB-D**  
CP12671\_TINA2-D  
CP12672\_TINA2-M  
CP12673\_TINA2-O  
CP12674\_TINA2-W

**CREE XT-E**  
CA11017\_TINA2-M  
CA11052\_TINA2-O  
CA11420\_TINA2-D

CP12677\_TINA2-RS  
CP12678\_TINA2-D  
CP12679\_TINA2-M  
CP12680\_TINA2-O  
CP12681\_TINA2-W

**CREE MX6 / MX3**  
CA11171\_TINA2-RS  
CA11172\_TINA2-D  
CA11173\_TINA2-O  
CA11174\_TINA2-M  
CA11175\_TINA2-W  
CA11176\_TINA2-WW

CP12682\_TINA2-RS  
CP12683\_TINA2-D  
CP12684\_TINA2-O  
CP12685\_TINA2-M  
CP12686\_TINA2-W

**NICHIA 6Nx83 / 3Nx83**  
CA11171\_TINA2-RS  
CA11172\_TINA2-D  
CA11173\_TINA2-O  
CA11174\_TINA2-M  
CA11175\_TINA2-W  
CA11176\_TINA2-WW

CP12682\_TINA2-RS  
CP12683\_TINA2-D  
CP12684\_TINA2-O  
CP12685\_TINA2-M  
CP12686\_TINA2-W



**TINA2**  
D= 16.1 MM  
PMMA

**OSRAM OSOLON**  
CA12374\_TINA2-RS  
CA12376\_TINA2-SS  
CA12375\_TINA2-D  
CA12377\_TINA2-M  
CA12379\_TINA2-O  
CA12378\_TINA2-W

CP12687\_TINA2-RS  
CP12688\_TINA2-D  
CP12689\_TINA2-O  
CP12690\_TINA2-M

**OSRAM PLATINUM/DAGON+**  
CA11847\_TINA2-RS  
CA12046\_TINA2-D  
CA12047\_TINA2-O  
CA11848\_TINA2-M

**NICHIA NCS19 / NVS19**  
CA11020\_TINA2-RS  
CA11942\_TINA2-D  
CA11021\_TINA2-M  
CA11053\_TINA2-O  
CA11022\_TINA2-W

**SEOUL Z5**  
CA11016\_TINA2-RS  
CA11420\_TINA2-D  
CA11017\_TINA2-M  
CA11052\_TINA2-O  
CA12056\_TINA2-W

**CITIZEN CL-L400**  
CA12400\_TINA2-D  
CA12401\_TINA2-M  
CA12404\_TINA2-O  
CA12402\_TINA2-W

**AVAGO JADE**  
CA12346\_TINA2-RS  
CA12347\_TINA2-D  
CA12348\_TINA2-M  
CA12349\_TINA2-O  
CA12350\_TINA2-W  
CA12403\_TINA2-WW



**TWIDDLE**  
D= 21.6 MM  
PMMA

**CREE MX6 / MX3**  
FA10734\_TWIDDLE-D  
FA10736\_TWIDDLE-M

**NICHIA 6Nx83 / 3Nx83**  
FA10734\_TWIDDLE-D  
FA10736\_TWIDDLE-M



**HEIDI**  
D= 21.6 MM  
PMMA

**CREE XP-E / XP-G**  
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

**CREE XB-D**  
CA11663\_HEIDI-RS  
CA11264\_HEIDI-D  
CA11265\_HEIDI-M  
CA11266\_HEIDI-O  
CA11267\_HEIDI-O-90  
CA11268\_HEIDI-W  
CA12079\_HEIDI-W2

**PHILIPS LUMILEDS LUXEON REBEL**  
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

**PHILIPS LUMILEDS LUXEON REBEL ES**  
CA12537\_HEIDI-RS  
CA12530\_HEIDI-D  
CA12536\_HEIDI-M  
CA12079\_HEIDI-W2



# SINGLE LENSES



**HEIDI**  
D= 21.6 MM  
PMMA

## OSRAM OSOLON

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

## 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

## SHARP DOUBLE DOME

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

## SEOUL Z5

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



**EMILY**  
D= 26 MM  
PMMA

## CREE XP-E / XP-G

CA11387\_EMILY-SS  
CA11388\_EMILY-M  
CA11391\_EMILY-M2  
CA11389\_EMILY-O  
CA11390\_EMILY-O-90  
CA11934\_EMILY-W

## CREE XT-E

CA12062\_EMILY-SS  
CA12064\_EMILY-M  
CA11934\_EMILY-W

## OSRAM OSOLON

CA11387\_EMILY-SS  
CA11388\_EMILY-M  
CA11391\_EMILY-M2  
CA11389\_EMILY-O  
CA11390\_EMILY-O-90  
CA11934\_EMILY-W

## PHILIPS LUMILEDS LUXEON REBEL

CA11387\_EMILY-SS  
CA11388\_EMILY-M  
CA11391\_EMILY-M2  
CA11389\_EMILY-O  
CA11390\_EMILY-O-90  
CA11934\_EMILY-W

## NICHIA NCS19 / NVS19

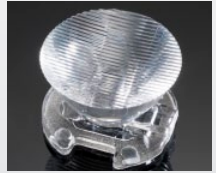
CA11387\_EMILY-SS  
CA11388\_EMILY-M  
CA11391\_EMILY-M2  
CA11389\_EMILY-O  
CA11390\_EMILY-O-90  
CA11934\_EMILY-W

## SHARP DOUBLE DOME

CA11387\_EMILY-SS  
CA11388\_EMILY-M  
CA11391\_EMILY-M2  
CA11389\_EMILY-O  
CA11390\_EMILY-O-90  
CA11934\_EMILY-W

## SEOUL Z5

CA11387\_EMILY-SS  
CA11388\_EMILY-M  
CA11391\_EMILY-M2  
CA11389\_EMILY-O  
CA11390\_EMILY-O-90  
CA11934\_EMILY-W



**EMILY**  
D= 26 MM  
PMMA

## CREE XM-L

CA12062\_EMILY-D  
CA12064\_EMILY-M  
CA12070\_EMILY-M2  
CA12066\_EMILY-O  
CA12068\_EMILY-O-90  
CA11934\_EMILY-W

## PHILIPS LUMILEDS LUXEON REBEL ES

CA12062\_EMILY-D  
CA12064\_EMILY-M  
CA12070\_EMILY-M2  
CA12066\_EMILY-O  
CA12068\_EMILY-O-90  
CA11934\_EMILY-W



# SINGLE LENSES



**SPUTNIK**  
D= 26 MM  
PMMA

**OSRAM PLATINUM/DAGON+**  
CA10318\_TITANUM-O-SS  
CA10252\_TITANUM-O-M  
CA10319\_TITANUM-O-O  
CA11240\_TITANUM-O-90  
CA10244\_TITANUM-O-W

**SEOUL P4**  
CA10321\_SPUTNIK-Z-SS  
CA10249\_SPUTNIK-Z-M  
CA10322\_SPUTNIK-Z-O  
CA10241\_SPUTNIK-Z-W

**SEOUL P5**  
CA10298\_SPUTNIK-R5



**IRINA**  
D= 24.7 MM  
PMMA

**CREE XP-E / XP-G**  
C11421\_IRINA-RS

**PHILIPS LUMILEDS**  
**LUXEON REBEL**  
C11421\_IRINA-RS

**OSRAM OSOLON**  
C11421\_IRINA-RS

**NICHIA NCS19 / NVS19**  
C11421\_IRINA-RS

**SHARP DOUBLE DOME**  
C11421\_IRINA-RS

**SEOUL Z5**  
C11421\_IRINA-RS



**ROSE**  
21.6 MM X 21.6 MM  
PC

**CREE XP-E / XP-G**  
FA10668\_CXP-RS  
FA10667\_CXP-SS  
FA10666\_CXP-D  
FA10665\_CXP-M  
FA10669\_CXP-O  
FA11153\_CXP-O-90  
FA10708\_CXP-W

**CREE MC-E**  
FA10679\_CMC-RS  
FA10678\_CMC-SS  
FA10677\_CMC-D  
FA10676\_CMC-M  
FA10680\_CMC-O  
FA11155\_CMC-O-90  
FA10714\_CMC-W

**CREE XM-L**  
FA11908\_CXM-SS  
FA11909\_CXM-RS  
FA11910\_CXM-D  
FA11911\_CXM-M  
FA11912\_CXM-O  
FA11155\_CXM-O-90  
FA11942\_CXM-W

**SEOUL P4**  
FA10311\_SSS-RS  
FA10330\_SSS-SS  
FA10312\_SSS-D  
FA10313\_SSS-M  
FA10314\_SSS-O  
FA11149\_SSS-O-90  
FA10539\_SSS-W

**SEOUL Z5**  
FA10668\_CXP-RS  
FA10667\_CXP-SS  
FA10666\_CXP-D  
FA10665\_CXP-M  
FA10669\_CXP-O  
FA11153\_CXP-O-90  
FA10708\_CXP-W



**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

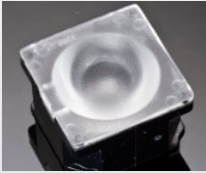
**PHILIPS LUMILEDS**  
**LUXEON REBEL / REBEL ES**  
FX10856\_RES-RS  
FX10853\_RES-SS  
FX10852\_RES-D  
FX10851\_RES-M  
FX10854\_RES-O  
FX10855\_RES-W  
FX11157\_RES-O-90

**OSRAM PLATINUM / DRAGON+**  
FA10299\_OSS-RS  
FA10327\_OSS-SS  
FA10300\_OSS-D  
FA10301\_OSS-M  
FA10302\_OSS-O  
FA10342\_OSS-W  
FA11145\_OSS-O-90

**CREE MX6 / MX3**  
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 153**  
FA11233\_NIS53-SS  
FA11234\_NIS53-D  
FA11235\_NIS53-M  
FA11236\_NIS53-O  
FA11237\_NIS53-W-V6

# SINGLE LENSES



**LAURA**  
21.6 MM X 21.6 MM  
PMMA

**CREE XP-E / XP-G**  
CA11353\_LAURA-RS  
CA11643\_LAURA-SS  
CA11360\_LAURA-D  
CA11355\_LAURA-M  
CA11365\_LAURA-O  
CA11525\_LAURA-REF-W  
CA12343\_LAURA-W  
CA11766\_LAURA-WW

**CREE XT-E**  
CA11360\_LAURA-D  
CA11355\_LAURA-M  
CA12343\_LAURA-W

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
CX11352\_LAURA-RS  
CX11645\_LAURA-SS  
CX11359\_LAURA-D  
CX11354\_LAURA-M  
CX11364\_LAURA-O  
CX11524\_LAURA-REF-W  
CX12568\_LAURA-W

**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

**CREE XP-E / XP-G**  
CA11959\_LAURA-RS-PIN  
CA12011\_LAURA-SS-PIN  
CA11960\_LAURA-D-PIN  
CA11837\_LAURA-M-PIN  
CA12012\_LAURA-O-PIN  
CA12344\_LAURA-W-PIN

**CREE XB-D**  
CA12011\_LAURA-RS-PIN  
CA11837\_LAURA-M-PIN  
CA12012\_LAURA-O-PIN  
CA12344\_LAURA-W-PIN  
CA12325\_LAURA-WW-PIN

**OSRAM OSOLON**  
CA11959\_LAURA-RS-PIN  
CA12011\_LAURA-SS-PIN  
CA11960\_LAURA-D-PIN  
CA11837\_LAURA-M-PIN  
CA12012\_LAURA-O-PIN  
CA12344\_LAURA-W-PIN

**NICHIA NCS19 / NVS19**  
CA11959\_LAURA-RS-PIN  
CA12011\_LAURA-SS-PIN  
CA11960\_LAURA-D-PIN  
CA11837\_LAURA-M-PIN  
CA12012\_LAURA-O-PIN  
CA12344\_LAURA-W-PIN

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
CA11959\_LAURA-RS-PIN  
CA12011\_LAURA-SS-PIN  
CA11960\_LAURA-D-PIN  
CA11837\_LAURA-M-PIN  
CA12012\_LAURA-O-PIN  
CA12344\_LAURA-W-PIN

**SEOUL Z5**  
CA11959\_LAURA-RS-PIN  
CA12011\_LAURA-SS-PIN  
CA11960\_LAURA-D-PIN  
CA11837\_LAURA-M-PIN  
CA12012\_LAURA-O-PIN  
CA12344\_LAURA-W-PIN

**SHARP DOUBLE DOME**  
CA11959\_LAURA-RS-PIN  
CA12011\_LAURA-SS-PIN  
CA11960\_LAURA-D-PIN  
CA11837\_LAURA-M-PIN  
CA12012\_LAURA-O-PIN  
CA12344\_LAURA-W-PIN



**LAURA**  
21.6 MM X 21.6 MM  
PMMA

**CREE XP-E / XP-G**  
CP12631\_LAURA-RS-PG  
CP12634\_LAURA-SS-PG  
CP12632\_LAURA-D-PG  
CP12633\_LAURA-M-PG  
CP12635\_LAURA-O-PG  
CP12636\_LAURA-W-PG  
CP12637\_LAURA-WW-PG

**CREE XB-D**  
CP12631\_LAURA-RS-PG  
CP12634\_LAURA-SS-PG  
CP12632\_LAURA-D-PG  
CP12633\_LAURA-M-PG  
CP12635\_LAURA-O-PG  
CP12636\_LAURA-W-PG  
CP12637\_LAURA-WW-PG

**OSRAM OSOLON**  
CP12631\_LAURA-RS-PG  
CP12634\_LAURA-SS-PG  
CP12632\_LAURA-D-PG  
CP12633\_LAURA-M-PG  
CP12635\_LAURA-O-PG  
CP12636\_LAURA-W-PG  
CP12637\_LAURA-WW-PG

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
CP12631\_LAURA-RS-PG  
CP12634\_LAURA-SS-PG  
CP12632\_LAURA-D-PG  
CP12633\_LAURA-M-PG  
CP12635\_LAURA-O-PG  
CP12636\_LAURA-W-PG  
CP12637\_LAURA-WW-PG

**NICHIA NCS19 / NVS19**  
CP12631\_LAURA-RS-PG  
CP12634\_LAURA-SS-PG  
CP12632\_LAURA-D-PG  
CP12633\_LAURA-M-PG  
CP12635\_LAURA-O-PG  
CP12636\_LAURA-W-PG  
CP12637\_LAURA-WW-PG

**SEOUL Z5**  
CP12631\_LAURA-RS-PG  
CP12634\_LAURA-SS-PG  
CP12632\_LAURA-D-PG  
CP12633\_LAURA-M-PG  
CP12635\_LAURA-O-PG  
CP12636\_LAURA-W-PG  
CP12637\_LAURA-WW-PG



# SINGLE LENSES



**ROSE**  
21.6 MM X 21.6 MM  
PMMA

### OSRAM PLATINUM / DRAGON+

CA10561\_OSS-2-RS  
CA10560\_OSS-2-SS  
CA10559\_OSS-2-D  
CA10569\_OSS-2-M  
CA10572\_OSS-2-O  
CA12081\_OSS2-WWW

### NICHIA 6Nx83 / 3Nx83

CA12124\_NIS83-MX-2-RS  
CA12123\_NIS83-MX-2-SS  
CA12122\_NIS83-MX-2-D  
CA12126\_NIS83-MX-2-M



**LEILA**  
D= 21.6 MM  
PMMA

### CREE XP-E / XP-G

FA10661\_LXP-RS  
FA10663\_LXP-D  
FA10660\_LXP-M  
FA11450\_LXP-M2  
FA11116\_LXP-O-90  
FA10662\_LXP-REC  
FA10832\_LXP-W

CA11481\_LXP2-RS  
CA11482\_LXP2-D  
CA11483\_LXP2-M  
CA11484\_LXP2-O-90  
CA12392\_LXP2-W

### CREE XB-D

CA12584\_LXB2-RS2  
CA12665\_LXB2-D  
CA12666\_LXB2-M  
CA12667\_LXB2-W

### CREE XT-E

FA10832\_LXP-W

CA11482\_LXP2-D  
CA11483\_LXP2-M



**LEILA**  
D= 21.6 MM  
PMMA

### OSRAM OSLO

CP12412\_LOS-RS  
CP12413\_LOS-D  
CP12414\_LOS-M  
CP12415\_LOS-O-90  
CP12416\_LOS-W

### SEOUL Z5

FA10661\_LXP-RS  
FA10663\_LXP-D  
FA10660\_LXP-M  
FA11450\_LXP-M2  
FA11116\_LXP-O-90  
FA10662\_LXP-REC  
FA10832\_LXP-W

CA11481\_LXP2-RS  
CA11482\_LXP2-D  
CA11483\_LXP2-M  
CA11484\_LXP2-O-90  
CA12392\_LXP2-W

### CREE MC-E

FA10613\_LM1-RS  
FA10650\_LM1-D  
FA10614\_LM1-M  
FA11447\_LM1-M2  
FA11067\_LM1-O-90  
FA10615\_LM1-REC

### CREE MX6 / MX3

FA10696\_LN2-RS  
FA10695\_LN2-D  
FA10697\_LN2-M  
FA11452\_LN2-M2  
FA11108\_LN2-O-90  
FA10698\_LN2-REC

### SAMSUNG SUNNIX 5

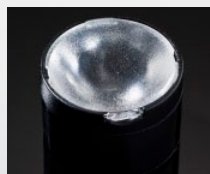
FA11060\_LS5-RS  
FA11061\_LS5-D  
FA11062\_LS5-M  
FA11462\_LS5-M2  
FA11063\_LS5-O-90  
FA11064\_LS5-REC

### PHILIPS LUMILEDS

**LUXEON REBEL**  
CA12262\_LR2-RS  
CA11263\_LR2-D  
CA11264\_LR2-M  
CA11640\_LR2-O-90  
CA12393\_LR2-W

### PHILIPS LUMILEDS

**LUXEON REBEL ES**  
CA11929\_LR2-RS  
CA11930\_LR2-D  
CA11931\_LR2-M  
CA12629\_LR2-O-90  
CA12394\_LR2-W



**LEILA**  
D= 21.6 MM  
PMMA

### CREE XM-L

FA11937\_LXM-RS  
FA11938\_LXM-D  
FA11939\_LXM-M  
FA11941\_LXM-REC

### OSRAM PLATINUM / DRAGON+

FA10751\_LO2-RS  
FA10753\_LO2-D  
FA10750\_LO2-M  
FA11453\_LO2-M2  
FA11135\_LO2-O-90  
FA10752\_LO2-REC  
CA11543\_LO2-W

### 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

### CREE XP-E / XP-G

CP11631\_LXP3-RS  
CP11632\_LXP3-D  
CP11633\_LXP3-M  
CP11634\_LXP3-O-90  
CP12395\_LXP3-W

### CREE XB-D

CP12583\_LXB3-RS2  
CP12668\_LXB3-D  
CP12669\_LXB3-M  
CP12670\_LXB3-W

### NICHIA NCS19 / NVS19

CP10870\_LN3-RS  
CP10872\_LN3-D  
CP10869\_LN3-M  
CP12405\_LN3-O-90  
CP12406\_LN3-W





# SINGLE LENSES



**LEILA**  
D= 21.6 MM  
PMMA

## SEoul Z5

CP11631\_LXP3-RS  
CP11632\_LXP3-D  
CP11633\_LXP3-M  
CP11634\_LXP3-O-90  
CP12395\_LXP3-W

## OSRAM DIAMOND DRAGON

FCN10796\_LD1-RS  
FCN10798\_LD1-D  
FCN10795\_LD1-M  
FCN11456\_LD1-M2  
FCN11107\_LD1-O-90  
FCN10797\_LD1-REC

## SEoul P4

FCN10788\_LZ1-RS  
FCN10790\_LZ1-D  
FCN10787\_LZ1-M  
FCN11455\_LZ1-M2  
FCN11102\_LZ1-O-90  
FCN10789\_LZ1-REC

## LEDENGIN (5W)

FCN10784\_LE1-RS  
FCN10786\_LE1-D  
FCN10783\_LE1-M  
FCN11454\_LE1-M2  
FCN11103\_LE1-O-90  
FCN10785\_LE1-REC  
FCN12592\_LE1-D-COP (UV-LED)

## PHILIPS LUMILEDS

### LUXEON REBEL

FCN10804\_LR1-RS  
FCN10806\_LR1-D  
FCN10803\_LR1-M  
FCN11458\_LR1-M2  
FCN10805\_LR1-REC  
FCN11106\_LR1-O-90  
FCN10890\_LR1-W

## OSRAM PLATINUM / DRAGON+

FCN11257\_LO1-RS  
FCN11259\_LO1-D  
FCN11260\_LO1-O  
FCN11258\_LO1-M  
FCN11466\_LO1-M2  
FCN11262\_LO1-REC  
FCN11261\_LO1-W



**EYA**  
D= 30 MM  
PMMA

## OSRAM PLATINUM DRAGON

CA11956\_EYA-S  
CA11337\_EYA-O



**EVA**  
D= 37.7 MM  
PMMA

## CREE XM-L

CA12055\_EVA-S  
CA12057\_EVA-D  
CA12058\_EVA-M  
CA12059\_EVA-W  
CA12060\_EVA-WW

CP12196\_EVA-S  
CP12197\_EVA-D  
CP12198\_EVA-M  
CP12199\_EVA-W  
CP12200\_EVA-WW

## PHILIPS LUMILEDS LUXEON M

CA12806\_EVA-S  
CA12802\_EVA-D  
CA12803\_EVA-M  
CA12804\_EVA-W  
CA12805\_EVA-WW



**EVA**  
D= 35 MM  
PMMA

## CREE MC-E / XT-E / XM-L

C12041\_EVA-S  
C10684\_EVA-D  
C10685\_EVA-M  
C10686\_EVA-W  
C10909\_EVA-WW

## PHILIPS LUMILEDS

### LUXEON M

C10684\_EVA-D  
C10685\_EVA-M  
C10686\_EVA-W  
C10909\_EVA-WW



## SINGLE LENSES



**MIRA**  
**D= 32.4 MM**  
**PC**

### **CREE MT-G**

C12500\_MIRA-M  
C12501\_MIRA-W  
C12502\_MIRA-WW

### **PHILIPS LUMILEDS**

**LUXEON M**  
C12500\_MIRA-M  
C12501\_MIRA-W  
C12502\_MIRA-WW

### **BRIDGELUX ES-SERIES**

C12500\_MIRA-M  
C12501\_MIRA-W  
C12502\_MIRA-WW



**MIRA (with holder)**  
**D= 35 MM**  
**PC**

### **CREE MT-G / MT-G2**

CA12503\_MIRA-M  
CA12504\_MIRA-W  
CA12505\_MIRA-WW

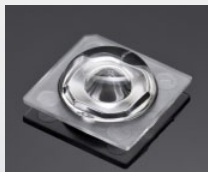
### **BRIDGELUX ES-SERIES**

CA12503\_MIRA-M  
CA12504\_MIRA-W  
CA12505\_MIRA-WW

### **PHILIPS LUMILEDS**

**LUXEON M**  
CA12878\_MIRA-M  
CA12879\_MIRA-W  
CA12880\_MIRA-WW

# SPECIALTY PRODUCTS



**SIRI-A**  
13.9 MM X 13.9 MM  
PMMA

**CREE XP-G**  
C12473\_SIRI-A  
CA12474\_SIRI-A



**JULIA-A**  
18.9 MM X 4.7 MM  
PMMA

**CREE XP-E / XP-G & SEOUL Z5**  
F11947\_JULIA-A  
FA11948\_JULIA-A

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
F11947\_JULIA-A  
FA11948\_JULIA-A

**OSRAM OSOLON**  
F11947\_JULIA-A  
FA11948\_JULIA-A

**NICHIA NCS19 / NVS19**  
F11947\_JULIA-A  
FA11948\_JULIA-A



**RGBX**  
D= 30 MM  
PMMA

**CREE MC-E / MC-E RGB**  
CP10961\_RGBX-SS  
CP10944\_RGBX-M  
CP10945\_RGBX-O



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

**CREE XP-E / XP-G**  
C10946\_FLARE-B  
CA10932\_FLARE-B

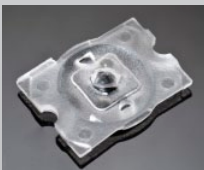
**OSRAM OSOLON**  
C10946\_FLARE-B  
CA10932\_FLARE-B

**NICHIA NCS19 / NVS19**  
C10946\_FLARE-B  
CA10932\_FLARE-B

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C10946\_FLARE-B  
CA10932\_FLARE-B

**SEOUL Z5**  
C10946\_FLARE-B  
CA10932\_FLARE-B

**SHARP DOUBLE DOME**  
C10946\_FLARE-B  
CA10932\_FLARE-B



**LOTTA-A**  
15.4 MM X 19.6 MM  
PMMA

**CREE XP-E / XP-G & SEOUL Z5**  
C11518\_LOTTA-A  
CA11519\_LOTTA-A

**PHILIPS LUMILEDS  
LUXEON REBEL**  
C11518\_LOTTA-A  
CA11519\_LOTTA-A

**OSRAM OSOLON**  
C11518\_LOTTA-A  
CA11519\_LOTTA-A

**NICHIA NCS19 / NVS19**  
C11518\_LOTTA-A  
CA11519\_LOTTA-A

**PHILIPS LUMILEDS  
LUXEON REBEL ES**  
C12353\_LOTTA-A2  
CA12396\_LOTTA-A2



**IRIS**  
D= 38 MM  
PMMA

**CREE MC-E**  
CN10861\_IRIS  
CN10953\_IRIS-M  
CN11470\_IRIS-O

**LUMINUS SST-50 / SST-90**  
CN11770\_IRIS  
CN11771\_IRIS-M  
CN11772\_IRIS-O

**CREE XP-E / XP-G**  
FCN12076\_IRIS-SCREW  
FCA12077\_IRIS

**PHILIPS LUMILEDS  
LUXEON REBEL**  
FCN12076\_IRIS-SCREW  
FCA12077\_IRIS

**NICHIA NCS19 / NVS19**  
FCN12076\_IRIS-SCREW  
FCA12077\_IRIS

**OSRAM OSOLON**  
FCN12076\_IRIS-SCREW  
FCA12077\_IRIS

**SHARP DOUBLE DOME**  
FCN12076\_IRIS-SCREW  
FCA12077\_IRIS

**SEOUL Z5**  
FCN12076\_IRIS-SCREW  
FCA12077\_IRIS



**VENLA-IRIS**  
D= 45 MM  
PC

**PHILIPS LUMILEDS  
LUXEON S**  
CP12090\_VENLA-S-IRIS

# SPECIALTY PRODUCTS



**STRADA-S**  
15.5MM X 19.6 MM  
PMMA

**CREE XP-E / XP-G**  
CA11248\_STRADA-S  
C11249\_STRADA-S

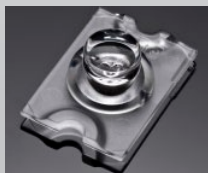
**PHILIPS LUMILEDS  
LUXEON REBEL**  
CA11248\_STRADA-S  
C11249\_STRADA-S

**OSRAM OSOLON**  
CA11248\_STRADA-S  
C11249\_STRADA-S

**NICHIA NCS19 / NVS19**  
CA11248\_STRADA-S  
C11249\_STRADA-S

**SHARP DOUBLE DOME**  
CA11248\_STRADA-S  
C11249\_STRADA-S

**SEOUL Z5**  
CA11248\_STRADA-S  
C11249\_STRADA-S



**STRADA-S-14**  
13.9 MM X 19.6 MM  
PMMA

**CREE XP-E / XP-G / XB-D**  
D12114\_STRADA-S-14  
DA12115\_STRADA-S-14

**PHILIPS LUMILEDS  
LUXEON A**  
D12114\_STRADA-S-14  
DA12115\_STRADA-S-14

**OSRAM OSOLON SQ EC**  
D12114\_STRADA-S-14  
DA12115\_STRADA-S-14

**NICHIA NCS19**  
D12114\_STRADA-S-14  
DA12115\_STRADA-S-14



**SOPHIE**  
150 X 20 MM  
PMMA

**CREE XP-G**  
C12446\_SOPHIE

**OSRAM OSOLON SQ PC**  
C12446\_SOPHIE

**NICHIA NCS19 / NVS19**  
C12446\_SOPHIE

**NICHIA 757**  
C12446\_SOPHIE

**PHILIPS LUMILEDS LUXEON  
REBEL / REBEL ES**  
C12446\_SOPHIE



**CRYSTAL**  
MM X MM  
PMMA

**CREE XP-G / XP-E / XT-E / XB-D**  
C12823\_CRYSTAL-S

**CREE XM-L**  
C12823\_CRYSTAL-S

**PHILIPS LUMILEDS LUXEON M**  
C12823\_CRYSTAL-S

**PHILIPS LUMILEDS LUXEON A**  
C12823\_CRYSTAL-S

**OSRAM OSOLON SQ**  
C12823\_CRYSTAL-S

**NICHIA NVS19**  
C12823\_CRYSTAL-S



**EMILY-WAS**  
D= 26 MM  
PMMA

**CREE XP-E / XP-G**  
CA11998\_EMILY-SS-WAS  
CA12000\_EMILY-O-WAS

**OSRAM OSOLON**  
CA11998\_EMILY-SS-WAS  
CA12000\_EMILY-O-WAS

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
CA11998\_EMILY-SS-WAS  
CA12000\_EMILY-O-WAS

**NICHIA NCS19 / NVS19**  
CA11998\_EMILY-SS-WAS  
CA12000\_EMILY-O-WAS

**CREE XM-L**  
CA11998\_EMILY-SS-WAS  
CA12000\_EMILY-O-WAS

**SEOUL Z5**  
CA11998\_EMILY-SS-WAS  
CA12000\_EMILY-O-WAS

**SHARP DOUBLE DOME**  
CA11998\_EMILY-SS-WAS  
CA12000\_EMILY-O-WAS



**OONA-A**  
25MM X 25MM  
PMMA

**OSRAM OSOLON SQ**  
C12769\_OONA-A

# SPECIALTY PRODUCTS



**FLARE-MINI-A**  
25MM X 25MM  
PMMA

**CREE XP-G / XT-E / XB-D**  
C12763\_FLARE-MINI-A  
CA12674\_FLARE-MINI-A  
C12837\_FLARE-MINI-A  
CA12838\_FLARE-MINI-A

**PHILIPS LUMILEDS LUXEON A**  
C12763\_FLARE-MINI-A  
CA12674\_FLARE-MINI-A  
C12837\_FLARE-MINI-A  
CA12838\_FLARE-MINI-A

**OSRAM OSOLON SQ**  
C12763\_FLARE-MINI-A  
CA12674\_FLARE-MINI-A  
C12837\_FLARE-MINI-A  
CA12838\_FLARE-MINI-A

**NICHIA NVS19**  
C12763\_FLARE-MINI-A  
CA12674\_FLARE-MINI-A  
C12837\_FLARE-MINI-A  
CA12838\_FLARE-MINI-A



**FLARE-MAXI**  
25MM X 25MM  
PMMA

**CREE XM-L / XP-G**  
C12868\_FLARE-MAXI

**PHILIPS LUMILEDS LUXEON M**  
C12868\_FLARE-MAXI

**PHILIPS LUMILEDS LUXEON REBEL ES**  
C12868\_FLARE-MAXI



**HB-5X1**  
123 MM X 25 MM  
PMMA

**CREE XP-E / XP-G**  
C12345\_HB-5X1

**CREE XT-E**  
C12345\_HB-5X1

**CREE XM-L**  
C12345\_HB-5X1

**PHILIPS LUMILEDS LUXEON REBEL / REBEL ES**  
C12345\_HB-5X1

**OSOLON OSOLON**  
C12345\_HB-5X1

**NICHIA NCS19 / NVS19**  
C12345\_HB-5X1

**SEOUL Z5**  
C12345\_HB-5X1

**SHARP DOUBLE DOME**  
C12345\_HB-5X1



**HB-SQ-A**  
25MM X 25MM  
PMMA

**CREE XM-L / MX-3 / MX-6**  
C12767\_HB-SQ-A

**PHILIPS LUMILEDS LUXEON M**  
C12767\_HB-SQ-A

**NICHIA x83**  
C12767\_HB-SQ-A



**HB-2X2**  
50 MM X 50 MM  
PMMA

**CREE XP-E / XP-G**  
C12361\_HB-2X2

**CREE XT-E**  
C12361\_HB-2X2

**PHILIPS LUMILEDS LUXEON REBEL / REBEL ES**  
C12361\_HB-2X2

**OSRAM OSOLON**  
C12361\_HB-2X2

**NICHIA NCS19 / NVS19**  
C12361\_HB-2X2

**SEOUL Z5**  
C12361\_HB-2X2

**SHARP DOUBLE DOME**  
C12361\_HB-2X2

**CREE XM-L**  
C12361\_HB-2X2

# REFLECTORS



**REGINA**  
D= 19 MM  
METALLIZED PC

CREE XP-E / XP-G  
C11347\_REGINA

OSRAM OSOLON  
C11347\_REGINA

PHILIPS LUMILEDS  
LUXEON REBEL  
C11347\_REGINA

NICHIA NCS19 / NVS19  
C11347\_REGINA

SHARP DOUBLE DOME  
C11347\_REGINA

SEOUL Z5  
C11347\_REGINA



**BOOMERANG**  
D= 22.2 MM  
METALLIZED ABS

LEDENGIN 5W/10W  
C10437\_BOOMERANG



**BOOM**  
D= 22.2 MM  
METALLIZED PC

CREE MC-E  
CA10716\_BOOM-S  
CA10928\_BOOM-M  
CA10929\_BOOM-W



**LAURA REFLECTOR**  
21.6 MM X 21.6 MM  
PMMA

CREE XP-E / XP-G  
CA11525\_LAURA-REFL-W

PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES  
CA11524\_LAURA REFL-W

NICHIA NCS19 / NVS19  
CA11427\_LAURA REFL-W

SHARP DOUBLE DOME  
CA11525\_LAURA REFL-W

SEOUL Z5  
CA11525\_LAURA REFL-W



**BRIDGET / LILY / CINDY**  
D= 22.2 MM  
METALLIZED PC

BRIDGELUX LS-SERIES  
C10918\_BRIDGET-S  
C10919\_BRIDGET-M  
C10920\_BRIDGET-W

LUMINUS SST50 / SST90  
C10977\_LILY-S  
C10978\_LILY-M  
C10979\_LILY-W

CITIZEN CL-L230  
C10982\_CINDY-S  
C10983\_CINDY-M  
C10984\_CINDY-W

CITIZEN CL-L251  
C10859\_CINDY-S  
C10980\_CINDY-M  
C10981\_CINDY-W

SHARP MINI ZENIGATA  
C10982\_CINDY-S  
C10983\_CINDY-M  
C10984\_CINDY-W



**RITA**  
D= 36 X 29 MM  
PC

CREE XP-E / XP-G / XM-L /  
XB-D / XT-E  
C12512\_RITA-A  
CA12514\_RITA-A

PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES  
C12512\_RITA-A  
CA12514\_RITA-A

LUMILEDS LUXEON M  
C12512\_RITA-A  
CA12514\_RITA-A

NICHIA NCS19 / NVS19  
C12512\_RITA-A  
CA12514\_RITA-A

OSRAM OSOLON  
C12512\_RITA-A  
CA12514\_RITA-A

# REFLECTORS



**MINNIE**  
D= 32.4 MM  
METALLIZED PC

**CREE MT-G**  
C12095\_MINNIE-M  
C11862\_MINNIE-W  
C12097\_MINNIE-WWWW

**PHILIPS LUMILEDS LUXEON M**  
C11862\_MINNIE-W  
C12095\_MINNIE-M  
C12097\_MINNIE-WWWW



**MINNIE (with holder)**  
D= 35 MM  
METALLIZED PC

**CREE MT-G / MT-G2**  
CA12239\_MINNIE-M  
CA12096\_MINNIE-W  
CA12240\_MINNIE-WWW

**PHILIPS LUMILEDS LUXEON M**  
CA12881\_MINNIE-M  
CA12882\_MINNIE-W  
CA12883\_MINNIE-WWW



**TYRA (TYCO)**  
D= 40 MM  
METALLIZED PC

**CREE MP-L**  
C11394\_TYRA-S  
C11395\_TYRA-M  
C11396\_TYRA-W



**TYRA2**  
D= 40 MM  
METALLIZED PC

**CREE MP-L**  
CA11475\_TYRA2-S  
CA11476\_TYRA2-M  
CA11477\_TYRA2-W



**TYRA3**  
D= 40 MM  
METALLIZED PC

**CITIZEN CL-230**  
C12358\_TYRA3-W  
C12359\_TYRA3-WW

**NICHIA NSBLL110**  
C12358\_TYRA3-W  
C12359\_TYRA3-WW



**BROOKE**  
D= 45 MM  
METALLIZED PC

**BRIDGELUX ES-SERIES**  
CA11181\_BROOKE-S  
CA11182\_BROOKE-M  
CA11183\_BROOKE-W



**BROOKE-SCR**  
D= 45 MM  
METALLIZED PC

**CITIZEN CL-L330 / CLL030**  
C12083\_BROOKE-SCR-M  
C12084\_BROOKE-SCR-W

**CITIZEN CL-L230**  
CP12351\_BROOKE-SCR-M  
CP12352\_BROOKE-SCR-W

**CREE CXA20**  
C12083\_BROOKE-SCR-M  
C12084\_BROOKE-SCR-W

**SHARP MEGAZENIGATA**  
C12083\_BROOKE-SCR-M  
C12084\_BROOKE-SCR-W



**BROOKE (MOLEX)**  
D= 45 MM  
METALLIZED PC

**BRIDGELUX ES-SERIES**  
C11506\_BROOKE-S  
C11507\_BROOKE-M  
C11508\_BROOKE-W

**CITIZEN CL-L330**  
C12119\_BROOKE-M  
C12120\_BROOKE-W

# REFLECTORS



**VENLA**  
D= 45 MM  
METALLIZED PC

**PHILIPS LUMILEDS  
LUXEON S**  
C11773\_VENLA-S  
C11775\_VENLA-M  
C11776\_VENLA-W  
C11777\_VENLA-WW



**BARBARA**  
D= 70 MM  
METALLIZED PC

**BRIDGELUX ES-SERIES**  
C11552\_BARBARA-S  
C11553\_BARBARA-W  
C12461\_BARBARA-WW

**CITIZEN CL-L330**  
C11552\_BARBARA-S  
C11553\_BARBARA-W  
C12461\_BARBARA-WW

**SHARP MEGAZENIGATA**  
C11552\_BARBARA-S  
C11553\_BARBARA-W  
C12461\_BARBARA-WW

**CREE CXA20**  
C11552\_BARBARA-S  
C11553\_BARBARA-W  
C12461\_BARBARA-WW

**NICHIA COB**  
C11552\_BARBARA-S  
C11553\_BARBARA-W  
C12461\_BARBARA-WW



**BRITNEY**  
D= 70 MM  
METALLIZED PC

**BRIDGELUX RS-SERIES**  
CA11401\_BRITNEY-M  
CA11402\_BRITNEY-W



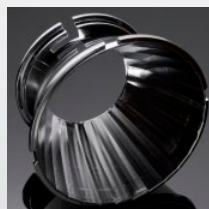
**MIRELLA**  
D= 50 MM  
METALLIZED PC

**CITIZEN CLL010 / CLL020**  
C12476\_MIRELLA-50-S  
C12477\_MIRELLA-50-M  
C12478\_MIRELLA-50-W  
CN12483\_MIRELLA-50-S-DL  
CN12484\_MIRELLA-50-M-DL  
CN12485\_MIRELLA-50-W-DL

**SHARP MEGAZENIGATA**  
C12476\_MIRELLA-50-S  
C12477\_MIRELLA-50-M  
C12478\_MIRELLA-50-W  
CN12483\_MIRELLA-50-S-DL  
CN12484\_MIRELLA-50-M-DL  
CN12485\_MIRELLA-50-W-DL

**CREE XM-L**  
C12480\_MIRELLA-50-S-PIN  
C12481\_MIRELLA-50-M-PIN  
C12482\_MIRELLA-50-W-PIN  
CN12486\_MIRELLA-50-S-PIN-DL  
CN12487\_MIRELLA-50-M-PIN-DL  
CN12488\_MIRELLA-50-W-PIN-DL

**PHILIPS LUMILEDS  
LUXEON M**  
C12480\_MIRELLA-50-S-PIN  
C12481\_MIRELLA-50-M-PIN  
C12482\_MIRELLA-50-W-PIN  
CN12486\_MIRELLA-50-S-PIN-DL  
CN12487\_MIRELLA-50-M-PIN-DL  
CN12488\_MIRELLA-50-W-PIN-DL



**LENINA**  
D= 74 MM  
METALLIZED PC

**BRIDGELUX ES**  
CN12600\_LENINA-S  
CN12601\_LENINA-M  
CN12602\_LENINA-W  
CN12603\_LENINA-S-DL  
CN12604\_LENINA-M-DL  
CN12605\_LENINA-W-DL

**CREE CXA20**  
CN12638\_LENINA-S  
CN12639\_LENINA-M  
CN12640\_LENINA-W  
CN12641\_LENINA-S-DL  
CN12642\_LENINA-M-DL  
CN12643\_LENINA-W-DL

**SHARP MEGAZENIGATA**  
CN12644\_LENINA-S  
CN12645\_LENINA-M  
CN12646\_LENINA-W  
CN12647\_LENINA-S-DL  
CN12648\_LENINA-M-DL  
CN12649\_LENINA-W-DL

**CITIZEN CL-L340**  
CN12650\_LENINA-S  
CN12651\_LENINA-M  
CN12652\_LENINA-W  
CN12653\_LENINA-S-DL  
CN12654\_LENINA-M-DL  
CN12655\_LENINA-W-DL

**CITIZEN CLL030**  
CN12700\_LENINA-S  
CN12701\_LENINA-M  
CN12702\_LENINA-W  
CN12703\_LENINA-S-DL  
CN12704\_LENINA-M-DL  
CN12705\_LENINA-W-DL

**CITIZEN CLL040**  
CN12706\_LENINA-S  
CN12707\_LENINA-M  
CN12708\_LENINA-W  
CN12709\_LENINA-S-DL  
CN12710\_LENINA-M-DL  
CN12711\_LENINA-W-DL



# REFLECTORS



**LENINA**  
D= 74 MM  
METALLIZED PC

## BRIDGELUX RS

CN12656\_LENINA-S  
CN12657\_LENINA-M  
CN12658\_LENINA-W  
CN12659\_LENINA-S-DL  
CN12660\_LENINA-M-DL  
CN12661\_LENINA-W-DL



**LENINA**  
D= 111 MM  
METALLIZED PC

## NICHIA COB110 / 204

CN12099\_LENINA-S  
CN12110\_LENINA-S-DL  
CN12162\_LENINA-M  
CN12165\_LENINA-M-DL  
CN12100\_LENINA-W  
CN12111\_LENINA-W-DL

## CITIZEN CL-L340

CN12101\_LENINA-S  
CN12112\_LENINA-S-DL  
CN12161\_LENINA-M  
CN12166\_LENINA-M-DL  
CN12102\_LENINA-W  
CN12113\_LENINA-W-DL

## CITIZEN CLL030

CN12712\_LENINA-S  
CN12713\_LENINA-M  
CN12714\_LENINA-W  
CN12718\_LENINA-S-DL  
CN12719\_LENINA-M-DL  
CN12720\_LENINA-W-DL

## CITIZEN CLL040

CN12715\_LENINA-S  
CN12716\_LENINA-M  
CN12717\_LENINA-W  
CN12721\_LENINA-S-DL  
CN12722\_LENINA-M-DL  
CN12723\_LENINA-W-DL



**LENA**  
D= 111 MM  
METALLIZED PC

## CREE CXA20

CN12106\_LENINA-S  
CN12107\_LENINA-S-DL  
CN12163\_LENINA-M  
CN12167\_LENINA-M-DL  
CN12108\_LENINA-W  
CN12109\_LENINA-W-DL

## BRIDGELUX ES-SERIES

CN12157\_LENINA-S  
CN12159\_LENINA-S-DL  
CN12164\_LENINA-M  
CN12168\_LENINA-M-DL  
CN12158\_LENINA-W  
CN12160\_LENINA-W-DL

## BRIDGELUX RS-SERIES

CN12301\_LENINA-S  
CN12304\_LENINA-S-DL  
CN12302\_LENINA-M  
CN12305\_LENINA-M-DL  
CN12303\_LENINA-W  
CN12306\_LENINA-W-DL

## SHARP MEGAZENIGATA

CN12293\_LENINA-S  
CN12296\_LENINA-S-DL  
CN12294\_LENINA-M  
CN12297\_LENINA-M-DL  
CN12295\_LENINA-W  
CN12298\_LENINA-W-DL



**LENA**  
D= 111 MM  
METALLIZED PC

## CITIZEN CL-340

CN12367\_LENINA-FRESNEL



**LISA2 REFLECTOR**  
D= 9.9 MM  
PC

## CREE XP-E / XP-G

C12469\_LISA2-R-PIN

## CREE XB-D

C12469\_LISA2-R-PIN

## PHILIPS LUMILEDS

**LUXEON REBEL / REBEL ES**  
C12469\_LISA2-R-PIN

## PHILIPS LUMILEDS

**LUXEON A**  
C12469\_LISA2-R-PIN

## OSRAM OSLO

C12469\_LISA2-R-PIN

## NICHIA NVS19 / NCS19

C12469\_LISA2-R-PIN

## SHARP DOUBLE DOME

C12469\_LISA2-R-PIN

## SEOUL Z5

C12469\_LISA2-R-PIN



## MULTIPLE LENSES



**SATU**  
D= 21.8 MM (3UP)  
PMMA

**CREE XP-E / XP-G**  
C11916\_SATU-S  
C11917\_SATU-O  
C11602\_SATU-M  
C11544\_SATU-W

**PHILIPS LUMILEDS**  
**LUXEON REBEL**  
C11916\_SATU-S  
C11917\_SATU-O  
C11602\_SATU-M  
C11544\_SATU-W

**OSRAM OSOLON**  
C11916\_SATU-S  
C11917\_SATU-O  
C11602\_SATU-M  
C11544\_SATU-W

**NICHIA NCS19 / NVS19**  
C11916\_SATU-S  
C11917\_SATU-O  
C11602\_SATU-M  
C11544\_SATU-W

**SEOUL Z5**  
C11916\_SATU-S  
C11917\_SATU-O  
C11602\_SATU-M  
C11544\_SATU-W

**SHARP DOUBLE DOME**  
C11916\_SATU-S  
C11917\_SATU-O  
C11602\_SATU-M  
C11544\_SATU-W



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

**CREE XP-E / XP-G**  
C10754\_CUTE-3-SS  
C10755\_CUTE-3-M  
C10756\_CUTE-3-W

**CREE XT-E**  
C10754\_CUTE-3-SS  
C10755\_CUTE-3-M  
C10756\_CUTE-3-W

**PHILIPS LUMILEDS**  
**LUXEON REBEL / REBEL ES**  
C10754\_CUTE-3-SS  
C10755\_CUTE-3-M  
C10756\_CUTE-3-W

**NICHIA NCS19 / NVS19**  
C10754\_CUTE-3-SS  
C10755\_CUTE-3-M  
C10756\_CUTE-3-W

**OSRAM OSOLON**  
C10754\_CUTE-3-SS  
C10755\_CUTE-3-M  
C10756\_CUTE-3-W

**SHARP DOUBLE DOME**  
C10754\_CUTE-3-SS  
C10755\_CUTE-3-M  
C10756\_CUTE-3-W

**CREE XM-L**  
C10754\_CUTE-3-SS  
C10755\_CUTE-3-M  
C10756\_CUTE-3-W

**SEOUL Z5**  
C10754\_CUTE-3-SS  
C10755\_CUTE-3-M  
C10756\_CUTE-3-W

**OSRAM PLATINUM/DAGON+**  
C10710\_CUTE-3-S  
C10711\_CUTE-3-M  
C10712\_CUTE-3-W



**GT3**  
D= 35 MM (3UP)  
PMMA

**CREE XP-E / XP-G**  
C10891\_GT3-S  
C10892\_GT3-M  
C10893\_GT3-W  
C11624\_GT3-WW

**PHILIPS LUMILEDS**  
**LUXEON REBEL / REBEL ES**  
C10891\_GT3-S  
C10892\_GT3-M  
C10893\_GT3-W  
C11624\_GT3-WW

**OSRAM OSOLON**  
C10891\_GT3-S  
C10892\_GT3-M  
C10893\_GT3-W  
C11624\_GT3-WW

**NICHIA NCS19 / NVS19**  
C10891\_GT3-S  
C10892\_GT3-M  
C10893\_GT3-W  
C11624\_GT3-WW

**SHARP DOUBLE DOME**  
C10891\_GT3-S  
C10892\_GT3-M  
C10893\_GT3-W  
C11624\_GT3-WW

**SEOUL Z5**  
C10891\_GT3-S  
C10892\_GT3-M  
C10893\_GT3-W  
C11624\_GT3-WW



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

**CREE XP-E / XP-G**  
C11710\_ANNA-40-3-S  
C11711\_ANNA-40-3-M  
C11712\_ANNA-40-3-W

**CREE XB-D**  
C11711\_ANNA-40-3-M  
C11712\_ANNA-40-3-W

**CREE XT-E**  
C11711\_ANNA-40-3-M  
C11712\_ANNA-40-3-W

**OSRAM OSLO**  
C11710\_ANNA-40-3-S  
C11711\_ANNA-40-3-M  
C11712\_ANNA-40-3-W

**PHILIPS LUMILEDS**  
**LUXEON REBEL / REBEL ES**  
C11710\_ANNA-40-3-S  
C11711\_ANNA-40-3-M  
C11712\_ANNA-40-3-W

**NICHIA NCS19 / NVS19**  
C11710\_ANNA-40-3-S  
C11711\_ANNA-40-3-M  
C11712\_ANNA-40-3-W

**SEOUL Z5**  
C11710\_ANNA-40-3-S  
C11711\_ANNA-40-3-M  
C11712\_ANNA-40-3-W

**SHARP DOUBLE DOME**  
C11710\_ANNA-40-3-S  
C11711\_ANNA-40-3-M  
C11712\_ANNA-40-3-W



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

**CREE XP-E / XP-G**  
C11793\_ANNA-40-4-S  
C11794\_ANNA-40-4-M  
C11795\_ANNA-40-4-W

**CREE XB-D**  
C11794\_ANNA-40-4-M  
C11795\_ANNA-40-4-W

**CREE XT-E**  
C11794\_ANNA-40-4-M  
C11795\_ANNA-40-4-W

**OSRAM OSLO**  
C11793\_ANNA-40-4-S  
C11794\_ANNA-40-4-M  
C11795\_ANNA-40-4-W

**PHILIPS LUMILEDS**  
**LUXEON REBEL / REBEL ES**  
C11793\_ANNA-40-4-S  
C11794\_ANNA-40-4-M  
C11795\_ANNA-40-4-W

**NICHIA NCS19 / NVS19**  
C11793\_ANNA-40-4-S  
C11794\_ANNA-40-4-M  
C11795\_ANNA-40-4-W

**SEOUL Z5**  
C11793\_ANNA-40-4-S  
C11794\_ANNA-40-4-M  
C11795\_ANNA-40-4-W

**SHARP DOUBLE DOME**  
C11793\_ANNA-40-4-S  
C11794\_ANNA-40-4-M  
C11795\_ANNA-40-4-W



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

**CREE MX6 / MX3**  
C10812\_CUTE-4-M  
C10813\_CUTE-4-W

**NICHIA 6Nx83 / 3Nx83**  
C10812\_CUTE-4-M  
C10813\_CUTE-4-W



**GT4**  
D= 35 MM (4UP)  
PMMA

**CREE XP-E / XP-G**  
C10921\_GT4-S  
C10922\_GT4-M  
C10923\_GT4-W  
C10975\_GT4-WW

**CREE XB-D**  
C10921\_GT4-S  
C10922\_GT4-M  
C10923\_GT4-W  
C10924\_GT4-WW

**PHILIPS LUMILEDS  
LUXEON REBEL**  
C10971\_GT4-S  
C10972\_GT4-M  
C10973\_GT4-W  
C10974\_GT4-WW

**PHILIPS LUMILEDS  
LUXEON REBEL ES**  
C10921\_GT4-S  
C10922\_GT4-M  
C10923\_GT4-W  
C10975\_GT4-WW

**OSRAM OSOLON**  
C10921\_GT4-S  
C10922\_GT4-M  
C10923\_GT4-W  
C10975\_GT4-WW

**NICHIA NCS19 / NVS19**  
C10971\_GT4-S  
C10972\_GT4-M  
C10973\_GT4-W  
C10974\_GT4-WW

**SHARP DOUBLE DOME**  
C10921\_GT4-S  
C10922\_GT4-M  
C10923\_GT4-W  
C10975\_GT4-WW

**SEOUL Z5**  
C10921\_GT4-S  
C10922\_GT4-M  
C10923\_GT4-W  
C10975\_GT4-WW



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

**CREE XP-E / XP-G**  
C11713\_ANNA-40-5-S  
C11714\_ANNA-40-5-M  
C11715\_ANNA-40-5-W

**CREE XB-D**  
C11714\_ANNA-40-5-M  
C11715\_ANNA-40-5-W

**CREE XT-E**  
C11714\_ANNA-40-5-M  
C11715\_ANNA-40-5-W

**OSRAM OSOLON**  
C11713\_ANNA-40-5-S  
C11714\_ANNA-40-5-M  
C11715\_ANNA-40-5-W

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11713\_ANNA-40-5-S  
C11714\_ANNA-40-5-M  
C11715\_ANNA-40-5-W

**NICHIA NCS19 / NVS19**  
C11713\_ANNA-40-5-S  
C11714\_ANNA-40-5-M  
C11715\_ANNA-40-5-W

**SEOUL Z5**  
C11713\_ANNA-40-5-S  
C11714\_ANNA-40-5-M  
C11715\_ANNA-40-5-W

**SHARP DOUBLE DOME**  
C11713\_ANNA-40-5-S  
C11714\_ANNA-40-5-M  
C11715\_ANNA-40-5-W



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

**CREE XP-E / XP-G**  
C11805\_ANNA-40-6-S  
C11806\_ANNA-40-6-M  
C11807\_ANNA-40-6-W

**CREE XB-D**  
C11806\_ANNA-40-6-M  
C11807\_ANNA-40-6-W

**CREE XT-E**  
C11806\_ANNA-40-6-M  
C11807\_ANNA-40-6-W

**OSRAM OSOLON**  
C11805\_ANNA-40-6-S  
C11806\_ANNA-40-6-M  
C11807\_ANNA-40-6-W

**PHILIPS LUMILEDS LUXEON  
REBEL / REBEL ES**  
C11805\_ANNA-40-6-S  
C11806\_ANNA-40-6-M  
C11807\_ANNA-40-6-W

**NICHIA NCS19 / NVS19**  
C11805\_ANNA-40-6-S  
C11806\_ANNA-40-6-M  
C11807\_ANNA-40-6-W

**SEOUL Z5**  
C11805\_ANNA-40-6-S  
C11806\_ANNA-40-6-M  
C11807\_ANNA-40-6-W

**SHARP DOUBLE DOME**  
C11805\_ANNA-40-6-S  
C11806\_ANNA-40-6-M  
C11807\_ANNA-40-6-W



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

**CREE XP-E / XP-G**  
C11716\_ANNA-40-7-S  
C11717\_ANNA-40-7-M  
C11718\_ANNA-40-7-W

**CREE XB-D**  
C11717\_ANNA-40-7-M  
C11718\_ANNA-40-7-W

**CREE XT-E**  
C11717\_ANNA-40-7-M  
C11718\_ANNA-40-7-W

**OSRAM OSOLON**  
C11716\_ANNA-40-7-S  
C11717\_ANNA-40-7-M  
C11718\_ANNA-40-7-W

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11716\_ANNA-40-7-S  
C11717\_ANNA-40-7-M  
C11718\_ANNA-40-7-W

**NICHIA NCS19 / NVS19**  
C11716\_ANNA-40-7-S  
C11717\_ANNA-40-7-M  
C11718\_ANNA-40-7-W

**SEOUL Z5**  
C11716\_ANNA-40-7-S  
C11717\_ANNA-40-7-M  
C11718\_ANNA-40-7-W

**SHARP DOUBLE DOME**  
C11716\_ANNA-40-7-S  
C11717\_ANNA-40-7-M  
C11718\_ANNA-40-7-W



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

**CREE XP-E / XP-G**  
C11606\_ANNA-50-3-S  
C11607\_ANNA-50-3-M  
C11608\_ANNA-50-3-W

**CREE XB-D**  
C11607\_ANNA-50-3-M  
C11608\_ANNA-50-3-W

**CREE XT-E**  
C11607\_ANNA-50-3-M  
C11608\_ANNA-50-3-W

**OSRAM OSOLON**  
C11606\_ANNA-50-3-S  
C11607\_ANNA-50-3-M  
C11608\_ANNA-50-3-W

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11606\_ANNA-50-3-S  
C11607\_ANNA-50-3-M  
C11608\_ANNA-50-3-W

**NICHIA NCS19 / NVS19**  
C11606\_ANNA-50-3-S  
C11607\_ANNA-50-3-M  
C11608\_ANNA-50-3-W

**SEOUL Z5**  
C11606\_ANNA-50-3-S  
C11607\_ANNA-50-3-M  
C11608\_ANNA-50-3-W

**SHARP DOUBLE DOME**  
C11606\_ANNA-50-3-S  
C11607\_ANNA-50-3-M  
C11608\_ANNA-50-3-W



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

**PLATINUM/DRAGON+**  
C10366\_PLATINUM-3-SS  
C10367\_PLATINUM-3-M  
C10365\_PLATINUM-3-W

**CREE XB-D**  
C11191\_TUIJA-3-W  
C11192\_TUIJA-3-SS  
C11193\_TUIJA-3-M  
C12150\_TUIJA-3-M2

**CREE XP-E / XP-G**  
C11192\_TUIJA-3-SS  
C11193\_TUIJA-3-M  
C11191\_TUIJA-3-W

**PHILIPS LUMILEDS LUXEON  
REBEL / REBEL ES**  
C11192\_TUIJA-3-SS  
C11193\_TUIJA-3-M  
C11191\_TUIJA-3-W

**OSRAM OSOLON**  
C11193\_TUIJA-3-M  
C11192\_TUIJA-3-SS  
C11191\_TUIJA-3-W

**NICHIA NCS19 / NVS19**  
C11192\_TUIJA-3-SS  
C11193\_TUIJA-3-M  
C11191\_TUIJA-3-W

**SHARP DOUBLE DOME**  
C11192\_TUIJA-3-SS  
C11193\_TUIJA-3-M  
C11191\_TUIJA-3-W

**SEOUL Z5**  
C11192\_TUIJA-3-SS  
C11193\_TUIJA-3-M  
C11191\_TUIJA-3-W



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

**CREE XP-E / XP-G**  
C11799\_ANNA-50-4-S  
C11800\_ANNA-50-4-M  
C11801\_ANNA-50-4-W

**CREE XB-D**  
C11800\_ANNA-50-4-M  
C11801\_ANNA-50-4-W

**CREE XT-E**  
C11800\_ANNA-50-4-M  
C11801\_ANNA-50-4-W

**OSRAM OSLO**  
C11799\_ANNA-50-4-S  
C11800\_ANNA-50-4-M  
C11801\_ANNA-50-4-W

**PHILIPS LUMILEDS LUXEON  
REBEL / REBEL ES**  
C11799\_ANNA-50-4-S  
C11800\_ANNA-50-4-M  
C11801\_ANNA-50-4-W

**NICHIA NCS19 / NVS19**  
C11799\_ANNA-50-4-S  
C11800\_ANNA-50-4-M  
C11801\_ANNA-50-4-W

**SEOUL Z5**  
C11799\_ANNA-50-4-S  
C11800\_ANNA-50-4-M  
C11801\_ANNA-50-4-W

**SHARP DOUBLE DOME**  
C11799\_ANNA-50-4-S  
C11800\_ANNA-50-4-M  
C11801\_ANNA-50-4-W



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

**CREE XP-E / XP-G**  
C11612\_ANNA-50-5-S  
C11613\_ANNA-50-5-M  
C11614\_ANNA-50-5-W

**CREE XB-D**  
C11613\_ANNA-50-5-M  
C11614\_ANNA-50-5-W

**CREE XT-E**  
C11613\_ANNA-50-5-M  
C11614\_ANNA-50-5-W

**OSRAM OSLO**  
C11612\_ANNA-50-5-S  
C11613\_ANNA-50-5-M  
C11614\_ANNA-50-5-W

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11612\_ANNA-50-5-S  
C11613\_ANNA-50-5-M  
C11614\_ANNA-50-5-W

**NICHIA NCS19 / NVS19**  
C11612\_ANNA-50-5-S  
C11613\_ANNA-50-5-M  
C11614\_ANNA-50-5-W

**SEOUL Z5**  
C11612\_ANNA-50-5-S  
C11613\_ANNA-50-5-M  
C11614\_ANNA-50-5-W

**SHARP DOUBLE DOME**  
C11612\_ANNA-50-5-S  
C11613\_ANNA-50-5-M  
C11614\_ANNA-50-5-W



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

**CREE XP-E / XP-G**  
C11811\_ANNA-50-6-S  
C11812\_ANNA-50-6-M  
C11813\_ANNA-50-6-W

**CREE XB-D**  
C11812\_ANNA-50-6-M  
C11813\_ANNA-50-6-W

**CREE XT-E**  
C11812\_ANNA-50-6-M  
C11813\_ANNA-50-6-W

**OSRAM OSLO**  
C11811\_ANNA-50-6-S  
C11812\_ANNA-50-6-M  
C11813\_ANNA-50-6-W

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11811\_ANNA-50-6-S  
C11812\_ANNA-50-6-M  
C11813\_ANNA-50-6-W

**NICHIA NCS19 / NVS19**  
C11811\_ANNA-50-6-S  
C11812\_ANNA-50-6-M  
C11813\_ANNA-50-6-W

**SEOUL Z5**  
C11811\_ANNA-50-6-S  
C11812\_ANNA-50-6-M  
C11813\_ANNA-50-6-W

**SHARP DOUBLE DOME**  
C11811\_ANNA-50-6-S  
C11812\_ANNA-50-6-M  
C11813\_ANNA-50-6-W



# MULTIPLE LENSES



**ANNA-7**  
D= 50 MM (3UP)  
PMMA

**CREE XP-E / XP-G**  
C11670\_ANNA-7-S  
C11679\_ANNA-7-M  
C11682\_ANNA-7-W

**CREE XB-D**  
C11679\_ANNA-7-M  
C11682\_ANNA-7-W

**CREE XT-E**  
C11679\_ANNA-7-M  
C11682\_ANNA-7-W

**OSRAM OSOLON**  
C11670\_ANNA-7-S  
C11679\_ANNA-7-M  
C11682\_ANNA-7-W

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11670\_ANNA-7-S  
C11679\_ANNA-7-M  
C11682\_ANNA-7-W

**NICHIA NCS19 / NVS19**  
C11670\_ANNA-7-S  
C11679\_ANNA-7-M  
C11682\_ANNA-7-W

**SEOUL Z5**  
C11670\_ANNA-7-S  
C11679\_ANNA-7-M  
C11682\_ANNA-7-W

**SHARP DOUBLE DOME**  
C11670\_ANNA-7-S  
C11679\_ANNA-7-M  
C11682\_ANNA-7-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

**CREE MX6 / MX3**  
C10373\_NIS83-MX-7-M  
C10633\_NIS83-MX-7-MD  
C10585\_NIS83-MX-7-W  
C10586\_NIS83-MX-7-WW

**PHILIPS LUMILEDS LUXEON  
REBEL / REBEL ES**  
C11232\_RER-7-MD  
C11230\_RER-7-W  
C11231\_RER-7-WW

**PHILIPS LUMILEDS LUXEON A**  
C12771\_RER-7-S



**PENTA**  
D= 35 MM (5UP)  
PMMA

**OSRAM PLATINUM/Dragon+**  
C10472\_RER-5-M

**CREE MX6 / MX3**  
C11281\_NIS83-MX-5-D  
C10472\_RER-5-M  
C10814\_NIS83-MX-5-W

**NICHIA 6Nx83 / 3Nx83**  
C11281\_NIS83-MX-5-D  
C10472\_RER-5-M  
C10814\_NIS83-MX-5-W



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

**PLATINUM/Dragon+**  
C10268\_TITANUM-3-S  
CA10368\_TITANUM-3-M

**NICHIA 6Nx83 / 3Nx83**  
C10436\_NIS83-MX-3-M  
C10364\_NIS83-MX-3-W

**SEOUL P3 / SEOUL P4**  
C10257\_LAIKA-3-S  
CA10370\_LAIKA-3-M  
C10363\_LAIKA-3-W

**CREE MX6 / MX3**  
C10436\_NIS83-MX-3-M  
C10364\_NIS83-MX-3-W



**PENTA**  
D= 35 MM (5UP)  
PMMA

**PHILIPS LUMILEDS  
LUXEON REBEL**  
C10472\_RER-5-M

**CREE XP-E / XP-G**  
F10390\_PENTA-5-M  
C10472\_RER-5-M

**SHARP DOUBLE DOME**  
F10390\_PENTA-5-M  
C10472\_RER-5-M

**SEOUL Z5**  
F10390\_PENTA-5-M  
C10472\_RER-5-M



**QUAK**  
D= 50 MM (4UP)  
PMMA

**CREE MC-E**  
C10702\_ROCKET-4-W

**PLATINUM/DRAGON+**  
C10704\_PLATINUM-4-OS  
C10703\_PLATINUM-4-OM

**NICHIA 6Nx83 / 3Nx83**  
C10385\_NIS83-MX-4-SS  
C10386\_NIS83-MX-4-M  
C10387\_NIS83-MX-4-W

**CREE MX6 / MX3**  
C10385\_NIS83-MX-4-SS  
C10386\_NIS83-MX-4-M  
C10387\_NIS83-MX-4-W



**MELODY**  
50,6 MM  
PMMA

**CREE XP-G / XB-D / XT-E / XM-L**  
C12782\_MELODY-4-M

**LUXEON M**  
C12782\_MELODY-4-M

**LUXEON A**  
C12782\_MELODY-4-M

**OSRAM OSOLON SQ**  
C12782\_MELODY-4-M

**NICHIA NVS19**  
C12782\_MELODY-4-M



**ANGIE**  
D= 34 MM (4UP)  
PMMA

**CREE XP-E / XP-G**  
C12285\_ANGIE-S  
C12286\_ANGIE-M  
C12287\_ANGIE-M2  
C12288\_ANGIE-W

**OSRAM OSOLON**  
C12285\_ANGIE-S  
C12286\_ANGIE-M  
C12287\_ANGIE-M2  
C12288\_ANGIE-W

**PHILIPS LUMILEDS LUXEON  
REBEL / REBEL ES**  
C12285\_ANGIE-S  
C12286\_ANGIE-M  
C12287\_ANGIE-M2  
C12288\_ANGIE-W

**NICHIA NCS19 / NVS19**  
C12285\_ANGIE-S  
C12286\_ANGIE-M  
C12287\_ANGIE-M2  
C12288\_ANGIE-W

**SEOUL Z5**  
C12285\_ANGIE-S  
C12286\_ANGIE-M  
C12287\_ANGIE-M2  
C12288\_ANGIE-W

**SHARP DOUBLE DOME**  
C12285\_ANGIE-S  
C12286\_ANGIE-M  
C12287\_ANGIE-M2  
C12288\_ANGIE-W



**SANDRA**  
D= 70 MM (12UP)  
PMMA

**CREE XP-E / XP-G / XT-E**  
C11814\_SANDRA-12-M  
C11700\_SANDRA-12-W

**OSRAM OSOLON**  
C11814\_SANDRA-12-M  
C11700\_SANDRA-12-W

**NICHIA NCS19 / NVS19**  
C11814\_SANDRA-12-M  
C11700\_SANDRA-12-W

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11814\_SANDRA-12-M  
C11700\_SANDRA-12-W

**SEOUL Z5**  
C11814\_SANDRA-12-M  
C11700\_SANDRA-12-W

**SHARP DOUBLE DOME**  
C11814\_SANDRA-12-M  
C11700\_SANDRA-12-W



**EMY**  
D= 50 MM (6UP)  
PMMA

**NICHIA 6Nx83 / 3Nx83**  
C10535\_NIS83-MX-6-S

**CREE MX6 / MX3**  
C10535\_NIS83-MX-6-S





## MULTIPLE LENSES



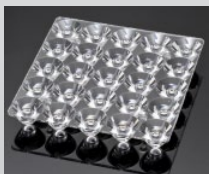
**PETUNIA**  
D= 29.5MM X 46.5MM  
PMMA

**CREE XP-G / XP-E / XB-D**  
C12528\_PETUNIA

**OSRAM OSOLON SQ / 150**  
C12528\_PETUNIA

**PHILIPS LUMILEDS LUXEON A**  
C12528\_PETUNIA

**NICHIA NVS19**  
C12528\_PETUNIA



**VIRPI**  
D= 75MM X 75MM  
PMMA

**CREE XP-G / XT-E / XB-D**  
C12607\_VIRPI-S  
C12608\_VIRPI-M  
C12609\_VIRPI-W

**OSRAM OSOLON SQ**  
C12607\_VIRPI-S  
C12608\_VIRPI-M  
C12609\_VIRPI-W

**PHILIPS LUMILEDS LUXEON A**  
C12607\_VIRPI-S  
C12608\_VIRPI-M  
C12609\_VIRPI-W

**PHILIPS LUMILEDS LUXEON  
REBEL ES**  
C12607\_VIRPI-S  
C12608\_VIRPI-M  
C12609\_VIRPI-W

**NICHIA NVS19**  
C12607\_VIRPI-S  
C12608\_VIRPI-M  
C12609\_VIRPI-W

# STREET LIGHTING



**STRADA-C/C2**  
15.5 MM X 19.6MM  
PMMA

**CREE XP-E / XP-G**  
C11252\_STRADA-C2  
CA11253\_STRADA-C2

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11252\_STRADA-C2  
CA11253\_STRADA-C2

**NICHIA NCS19 / NVS19**  
C11252\_STRADA-C2  
CA11253\_STRADA-C2

**OSRAM OSOLON**  
C11252\_STRADA-C2  
CA11253\_STRADA-C2

**SHARP DOUBLE DOME**  
C11252\_STRADA-C2  
CA11253\_STRADA-C2

**SEOUL Z5**  
C11252\_STRADA-C2  
CA11253\_STRADA-C2

**NICHIA 6Nx83 / 3Nx83**  
C11277\_STRADA-C  
CA11348\_STRADA-C

**CREE MX6 / MX3**  
C11277\_STRADA-C  
CA11348\_STRADA-C

**OSRAM PLATINUM / DRAGON+**  
C10915\_STRADA-C  
CA10916\_STRADA-C



**STRADA-DW**  
15.4 MM X 19.6 MM  
PMMA

**CREE XP-E / XP-G**  
C11255\_STRADA-DW  
CA11256\_STRADA-DW

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11255\_STRADA-DW  
CA11256\_STRADA-DW

**NICHIA NCS19 / NVS19**  
C11255\_STRADA-DW  
CA11256\_STRADA-DW

**OSRAM OSOLON**  
C11255\_STRADA-DW  
CA11256\_STRADA-DW

**SHARP DOUBLE DOME**  
C11255\_STRADA-DW  
CA11256\_STRADA-DW

**SEOUL Z5**  
C11255\_STRADA-DW  
CA11256\_STRADA-DW

**NICHIA 6Nx83 / 3Nx83**  
C11242\_STRADA-DW  
CA11243\_STRADA-DW

**CREE MX6 / MX3**  
C11242\_STRADA-DW  
CA11243\_STRADA-DW

**OSRAM PLATINUM/DRAGON+**  
C11132\_STRADA-DW  
CA11180\_STRADA-DW



**STRADA-B/B2**  
15.4 MM X 19.6 MM  
PMMA

**OSRAM OSOLON**  
C10949\_STRADA-B2  
CA10950\_STRADA-B2

**OSRAM PLATINUM / DRAGON+**  
C10908\_STRADA-B  
CA10914\_STRADA-B

**CREE XP-E / XP-G**  
C10926\_STRADA-B  
CA10927\_STRADA-B

C10949\_STRADA-B2  
CA10950\_STRADA-B2

**NICHIA NCS19 / NVS19**  
C10949\_STRADA-B2  
CA10950\_STRADA-B2

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C10949\_STRADA-B2  
CA10950\_STRADA-B2

**SHARP DOUBLE DOME**  
C10949\_STRADA-B2  
CA10950\_STRADA-B2

**SEOUL Z5**  
C10926\_STRADA-B  
CA10927\_STRADA-B

C10949\_STRADA-B2  
CA10950\_STRADA-B2



**STRADA-DN**  
15.4 MM X 19.6 MM  
PMMA

**NICHIA 6Nx83 / 3Nx83**  
C11244\_STRADA-DN  
CA11245\_STRADA-DN

**CREE MX6 / MX3**  
C11244\_STRADA-DN  
CA11245\_STRADA-DN

# STREET LIGHTING



**STRADA-A**  
15.4 MM X 19.6 MM  
PMMA

**CREE XP-E / XP-G**  
C10818\_STRADA-A  
CA10823\_STRADA-A

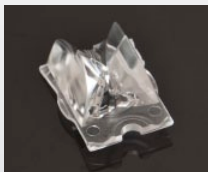
C12219\_STRADA-A2  
C12220\_STRADA-A2

**SEOUL Z5**  
C10818\_STRADA-A  
CA10823\_STRADA-A

C12219\_STRADA-A2  
C12220\_STRADA-A2

**SHARP DOUBLE DOME**  
C12219\_STRADA-A2  
C12220\_STRADA-A2

**OSRAM PLATINUM/DRAGON+**  
C10758\_STRADA-A  
CA10820\_STRADA-A



**STRADA-T-DW**  
15.5 MM X 19.6 MM  
PMMA

**CREE XP-E / XP-G**  
C11425\_STRADA-T-DW  
CA11426\_STRADA-T-DW

**CREE XB-D**  
C11425\_STRADA-T-DW  
CA11426\_STRADA-T-DW

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11425\_STRADA-T-DW  
CA11426\_STRADA-T-DW

**OSRAM OSOLON**  
C11425\_STRADA-T-DW  
CA11426\_STRADA-T-DW

**NICHIA NCS19 / NVS19**  
C11425\_STRADA-T-DW  
CA11426\_STRADA-T-DW

**SHARP DOUBLE DOME**  
C11425\_STRADA-T-DW  
CA11426\_STRADA-T-DW

**SEOUL Z5**  
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

**CREE MX6 / MX3**  
C12331\_STRADA-T-DW  
CA12333\_STRADA-T-DW



**STRADA-FT**  
15.5 MM X 19.6 MM  
PMMA

**CREE XP-E / XP-G**  
C12049\_STRADA-FT  
CA12050\_STRADA-FT

**CREE XB-D**  
C12049\_STRADA-FT  
CA12050\_STRADA-FT

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C12049\_STRADA-FT  
CA12050\_STRADA-FT

**OSRAM OSOLON**  
C12049\_STRADA-FT  
CA12050\_STRADA-FT

**NICHIA NCS19 / NVS19**  
C12049\_STRADA-FT  
CA12050\_STRADA-FT

**SEOUL Z5**  
C12049\_STRADA-FT  
CA12050\_STRADA-FT

**SHARP DOUBLE DOME**  
C12049\_STRADA-FT  
CA12050\_STRADA-FT

# STREET LIGHTING



**STRADA-T-DN**  
15.5 MM X 19.6 MM  
PMMA

**CREE XP-E / XP-G**  
C11415\_STRADA-T-DN  
CA11416\_STRADA-T-DN

**CREE XB-D**  
C11415\_STRADA-T-DN  
CA11416\_STRADA-T-DN

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11415\_STRADA-T-DN  
CA11416\_STRADA-T-DN

**OSRAM OSOLON**  
C11415\_STRADA-T-DN  
CA11416\_STRADA-T-DN

**NICHIA NCS19 / NVS19**  
C11415\_STRADA-T-DN  
CA11416\_STRADA-T-DN

**SHARP DOUBLE DOME**  
C11415\_STRADA-T-DN  
CA11416\_STRADA-T-DN

**SEOUL Z5**  
C11415\_STRADA-T-DN  
CA11416\_STRADA-T-DN

**NICHIA 6Nx83 / 3Nx83**  
C12329\_STRADA-T-DN  
CA12332\_STRADA-T-DN

**CREE MX6 / MX3**  
C12329\_STRADA-T-DN  
CA12332\_STRADA-T-DN



**STRADA-FW**  
15.5 MM X 19.6 MM  
PMMA

**CREE XP-E / XP-G**  
C12086\_STRADA-FW  
CA12087\_STRADA-FW

**CREE XT-E**  
C12086\_STRADA-FW  
CA12087\_STRADA-FW

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C12086\_STRADA-FW  
CA12087\_STRADA-FW

**OSRAM OSOLON**  
C12086\_STRADA-FW  
CA12087\_STRADA-FW

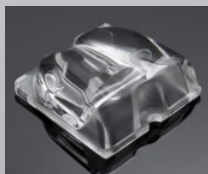
**NICHIA NCS19 / NVS19**  
C12086\_STRADA-FW  
CA12087\_STRADA-FW

**SEOUL Z5**  
C12086\_STRADA-FW  
CA12087\_STRADA-FW

**SHARP DOUBLE DOME**  
C12086\_STRADA-FW  
CA12087\_STRADA-FW

**NICHIA 6Nx83 / 3Nx83**  
C12226\_STRADA-FW  
CA12238\_STRADA-FW

**CREE MX6 / MX3**  
C12226\_STRADA-FW  
CA12238\_STRADA-FW



**STRADA-SQ-A-T**  
25 MM X 25 MM  
PMMA

**CREE XM-L**  
C12410\_STRADA-SQ-A-T  
CA12411\_STRADA-SQ-A-T

**PHILIPS LUMILEDS  
LUXEON M**  
C12410\_STRADA-SQ-A-T  
CA12411\_STRADA-SQ-A-T



**STRADA-SQ-T-DN**  
25 MM X 25 MM  
PMMA

**CREE XP-E / XP-G**  
C11816\_STRADA-SQ-T-DN  
CA11817\_STRADA-SQ-T-DN

**CREE XT-E**  
C11889\_STRADA-SQ-T-DN  
CA11890\_STRADA-SQ-T-DN

**CREE XM-L**  
C11889\_STRADA-SQ-T-DN  
CA11890\_STRADA-SQ-T-DN

**SEOUL Z5**  
C11816\_STRADA-SQ-T-DN  
CA11817\_STRADA-SQ-T-DN

**SHARP DOUBLE DOME**  
C11816\_STRADA-SQ-T-DN  
CA11817\_STRADA-SQ-T-DN



**STRADA-SQ-T-DW**  
25 MM X 25 MM  
PMMA

**CREE XP-E / XP-G**  
C11818\_STRADA-SQ-T-DW  
CA11819\_STRADA-SQ-T-DW

**CREE XT-E**  
C11891\_STRADA-SQ-T-DW  
CA11892\_STRADA-SQ-T-DW  
C11962\_STRADA-SQ-T-DW  
CA11963\_STRADA-SQ-T-DW

**CREE XM-L**  
C11891\_STRADA-SQ-T-DW  
CA11892\_STRADA-SQ-T-DW  
C11962\_STRADA-SQ-T-DW  
CA11963\_STRADA-SQ-T-DW

**SEOUL Z5**  
C11818\_STRADA-SQ-T-DW  
CA11819\_STRADA-SQ-T-DW

**SHARP DOUBLE DOME**  
C11818\_STRADA-SQ-T-DW  
CA11819\_STRADA-SQ-T-DW



# STREET LIGHTING



**STRADA-K**  
MM X MM  
PMMA

**CREE XP-G / XP-E / XT-E / XM-L**  
C12786\_STRADA-K  
CA12787\_STRADA-K

**PHILIPS LUMILEDS LUXEON  
REBEL / REBEL ES**  
C12786\_STRADA-K  
CA12787\_STRADA-K



**STRADA-SQ-VSM**  
MM X MM  
PMMA

**PHILIPS LUMILEDS LUXEON M**  
C12727\_STRADA-SQ-VSM



**STRADA-SQ-T-DWC**  
MM X MM  
PMMA

**PHILIPS LUMILEDS LUXEON M**  
C12726\_STRADA-SQ-T-DWC



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

**CREE XP-E / XP-G**  
C11918\_STRADA-T-6X1-DNW  
C12449\_STRADA-T-6X1-DWC

**CREE XB-D**  
C11918\_STRADA-T-6X1-DNW  
C12449\_STRADA-T-6X1-DWC

**PHILIPS LUMILEDS  
LUXEON REBEL / REBEL ES**  
C11918\_STRADA-T-6X1-DNW  
C12449\_STRADA-T-6X1-DWC

**NICHIA NCS19 / NVS19**  
C11918\_STRADA-T-6X1-DNW  
C12449\_STRADA-T-6X1-DWC

**SEOUL Z5**  
C11918\_STRADA-T-6X1-DNW  
C12449\_STRADA-T-6X1-DWC

**SHARP DOUBLE DOME**  
C11918\_STRADA-T-6X1-DNW  
C12449\_STRADA-T-6X1-DWC



**STRADA-IP**  
MM X MM  
PMMA

**CREE XP-G / XT-E**  
C12861\_STRADA-IP-2X6-DWC  
CA12862\_STRADA-IP-2X6-DWC



**STRADA 2X2-DNW**  
50 MM X 50 MM  
PMMA

**CREE XT-E**  
C12360\_2X2-DNW

**CREE XM-L**  
C12360\_2X2-DNW



**STRADA 2X2-DWC**  
50 MM X 50 MM  
PMMA

**CREE XT-E**  
C12362\_STRADA\_2X2-DWC

**CREE XM-L**  
C12362\_STRADA\_2X2-DWC



**STRADA 2X2-A-T**  
50 MM X 50 MM  
PMMA

**CREE XT-E**  
C12419\_STRADA-2x2\_A-T

**CREE XM-L**  
C12419\_STRADA-2x2\_A-T

Learn more about STRADA optics at

[http://www.ledil.com/sites/default/files/Documents/Application%20notes/Strada\\_lens\\_guide.pdf](http://www.ledil.com/sites/default/files/Documents/Application%20notes/Strada_lens_guide.pdf)



### 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](http://www.ledil.com) for the latest information. Contact [sales@ledil.com](mailto:sales@ledil.com) if you do not see an optic qualified for your LED of choice.

### CREE XR

SEOUL P4 - ACHRICHE AX3221

PHILIPS LUMILEDS LUXEON I - III - K2

NICHIA 153 - 036 - 107

OSRAM DIAMOND DRAGON - OSTAR LIGHTING - IR OSTAR - OSTAR SMT





## 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.



Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».



## JONHON

«**JONHON**» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«**FORSTAR**» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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