

LEDiL<sup>®</sup>

From Light to Lighting  
Q2/2016 Innovations from LEDiL



[www.ledil.com](http://www.ledil.com)

## LEDiL's new solderless connectors

YES! Finally connectors and optics from the same manufacturer



### What makes you want it?

- Compatibility NOW and in the future with most of our lenses and reflectors
- Multiple dimensions and Zhaga mounting holes
- At VERY attractive price

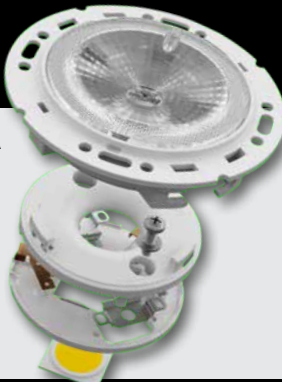
### Technical details

- Robust design allows the product to be used in presence of vibrations and even in high temperature conditions
- LEDiL "snap in" feature simplifies the installation and makes alignment of the LED easy
- Zhaga 35mm and 45mm mounting holes available and the same "twist and lock" features as LEDiL other holder system
- Industrial standard integrated poke-in wire terminals and very low profile design

Make your connections more versatile, robust and future proof

### VESUVIUS (D=50mm)

- Metal holding clips that ensure excellent thermal control and pressure against bigger COBs
- Compatible with various lenses and reflectors from LEDiL (ANGELETTE, ANGELA, ANGELINA, RONDA)
- Two socket versions compatible with a range of LEDs from various manufacturers
- Shares the same mounting interface as Ideal, TYCO, Stucchi etc.



LED Compatibility  
**KA15411\_VESUVIUS-A**  
 CLL03v, CLU03v  
 ZC-12/18  
 SLE06/LES15  
 CXM-14 (AC001)  
 Version B  
 CXA18

And more is coming...

### HEKLA (D=44mm)

- Innovative LEDiL Push-In accessories allows you to decide whether you want to solder the LEDs or not
- Push-In accessories are easily adaptable to most existing LEDiL holder systems
- Compatible with smaller size lenses and reflectors like LEDiL's BROOKE- and WINNIE-families
- Minimalistic design with great flexibility



LED Compatibility  
**KN15490\_KONNKTAKT-HEKLA-A-V8**  
 BVR V68  
**KN15503\_KONNKTAKT-HEKLA-A-V13**  
 BVR V10/13  
**KN15502\_KONNKTAKT-HEKLA-A-CXA1520**  
 CXA B120  
**KN15500\_KONNKTAKT-HEKLA-A-CXA1850**  
 CXA B1850  
**KN15501\_KONNKTAKT-HEKLA-A-CLL020**  
 CLL02v, CLU02v  
 CLU00  
 ZC-4/2C-6  
 CXA B1310  
 SLE-06/LES6/SLE-06  
 CXM-9 (AC001)  
 LES11  
 Solero 59

And more is coming...

LEDiL recommends the use of M3 washers with all solderless connectors to improve reliability and LED lifetime.

Available in Q2

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](http://www.ledil.com) for LED specific values and optical datasheets.



## ~360° silicone optic for retrofits

# ZORYA

- Omnidirectional lens fulfilling Energy Star standards
- Easy ingress protection due to silicone technology
- Twist and lock holder system allows the lens to be used with solderless connectors

**PATENT  
PENDING**



### FEATURES & BENEFITS

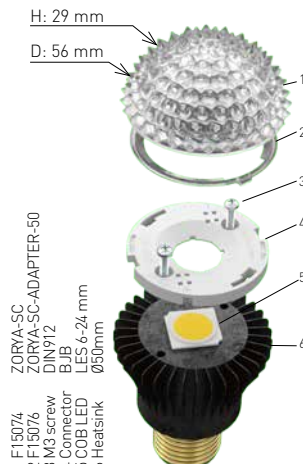
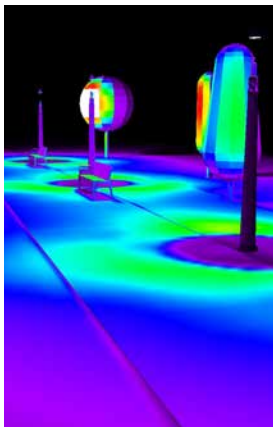
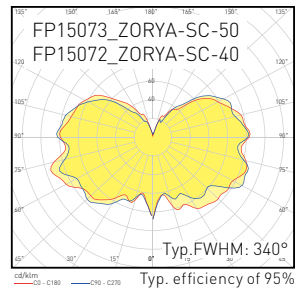
- High efficiency (95%) with excellent UV, heat, and impact resistance
- Flexible design with 2 dimensions available – 50 and 22mm
- Can be used as it is, or with external protective cover
- RGB and tunable white support
- Flexible design – lens can be scaled and holder modified

### COMPATIBILITY

- LES sizes from 6 mm to 24 mm
- Stucchi, BJB and Tyco solderless connectors
- 40 and 50 mm LEDiL adapters

### TYPICAL APPLICATIONS

- Retrofit
- Walkway lighting
- Industrial lighting
- Garden lights



LED Compatibility	
BXRAESR, V10, V13	
CLL02x, CLL03x, CLL04x, CLU700, CLU710, CLU720, CLU730	
CXA/B 13xx, CXA/B 15xx, CXA/B 1816, CXA/B 25xx, CXA/B 30xx	
LXCoB 105/107/109, LXCoB 1204/1205, LXCoB 1211	
Soleriq P6, Soleriq P9, Soleriq S13, Soleriq S13 Gen2, Soleriq S19	
LC013B, LC019B	
ZC12/18, ZC25/40, ZC4/6	
Mega Zenerigata, Mini Zenerigata	
SLE 64, LES10, SLE 65, LES15	
DMC 122, DMC 125, DMC 128	

Available in Q2



## 70mm COB optic with 10° beam and no halo

# CARMEN

- Patent pending hybrid lens family with 10° ultra narrow beam
- Higher performance compared to similar metallized reflector designs in the market
- Dust- and TouchProof design

**PATENT PENDING**



### FEATURES & BENEFITS

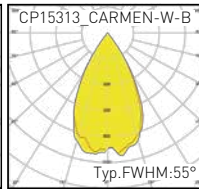
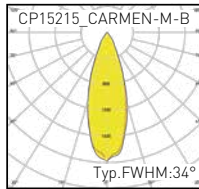
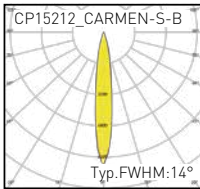
- No halos or light spilling resulting in a higher intensity and less glare
- Standard retail and track lighting beams available
- Comes with a black reflector, especially optimized for low UGR applications

### TYPICAL APPLICATIONS

- Track lighting
- Retail and supermarkets
- Industrial lighting
- Outdoor architectural
- General indoor lighting

### COMPATIBILITY

- LES sizes up to 14 mm
- LEDiL recommends spot version to be used with 6mm LES (=18000cd)
- Holder options for BJB and Stucchi solderless connectors



### DESIGN EXAMPLE



Ultra narrow beam available

Available in Q2

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](http://www.ledil.com) for LED specific values and optical datasheets.



## 70mm, recessed system for all architectural lighting needs

# RONDA

- Asymmetric and double asymmetric wall washing beams meeting even strictest vertical illuminance requirements
- No shadows, uniform light up to the ceiling level without any tilting of the fixture needed
- Wide customization possibilities (front panel, assembly depth, light pattern)

**PATENT  
PENDING**



### FEATURES & BENEFITS

- Various light distributions available with smooth cut-off
- Low profile design for shallow depth installations
- Typical installation ratio 1:3 with asymmetric beams
- Accessories available by request (black shade available for double asymmetric version)
- ZT45-version for corridors, aisles and vertical surface illumination

### MOUNTING OPTIONS

- Screws
- Glue

### COMPATIBILITY

- LES sizes up to ~16 mm
- Two holder versions to support most common connectors
- Holder A:** LEDiL, TE, BENDER+WIRTH and other twist and lock socket types
- Holder B:** different connectors from BJB and Stucchi

Faceplate examples

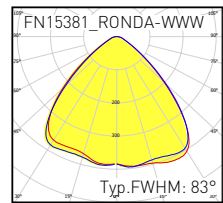
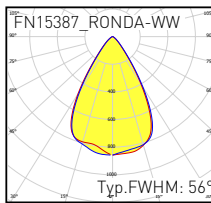
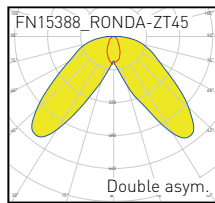
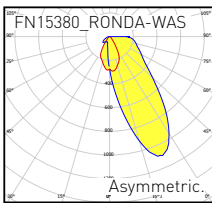


LED Compatibility	
V10_VER013	
CLL02x	
CLU700, CLU710	
CXA/B 13xx	
CXA/B 15xx	
CXA/B 1816	
CXA/B 1830	
LX CoB 1202/1203	
LX CoB 1202s	
NSBxL066A/NFCxL036B	
NSBxL110	
NSCxL036A	
DurisS10	
SolenisS13	
SolenisS9	
Mini Zenigata	

### TYPICAL APPLICATIONS

- Office lighting
- Architectural lighting
- Downlights
- Museums
- Shops
- Hotels

Design example



Available now



## Anti-glare Optics with <math><19</math> UGR FLORENTINA family



- Hybrid design of a black reflector and lenses designed for high visual comfort applications
- Higher intensity and less spill light compared to metallized reflectors
- Various mounting options and beam angles available

### FEATURES & BENEFITS

- Single lens, 4x1, 2x2 and 12x1 configurations available
- Beams available from 10° to 60°, also asymmetric and double asymmetric
- Standard LEDiL faceplates in black or white and possibility to make your own faceplate
- Versions available with + -30 degrees adjustable rotation mechanism
- Mounting with steel springs or screws to ceiling or to aluminum profile with LEDiL clips

### COMPATIBILITY

- LEDiL standard ROSE (up to 5050) lenses available for FLORENTINA 4x1 and 2x2 versions
- LEDiL standard TINA/TINA2 (up to 3535) lenses available for FLORENTINA 12x1

#### LED Compatibility FLORENTINA-12x1

XHP35 HD, XM-L	LXMZ, LX Rebel ES	Duris S8
XP-E2, XP-G, XP-G2	LX Rebel Plus	Oslon Square EC
XP-L, XD-E, XD-E HI	LXTX, LXZ ES	Oslon SQR 80
LH351B	NCSxx19B	H35C1 (LEMMA3)
TL114	NV5xx19B/NV5xx19C	

#### LED Compatibility FLORENTINA-1, -2X2, -4X1

XHP35 HD	NV5xx19B/	Oslon Square EC
XP-G2, XP-L	NV5xx19C	LX MZ, LXTX

### TYPICAL APPLICATIONS

- Office lighting
- Retail lighting
- Downlight applications
- Track lighting
- Indoor architectural lighting

### MOUNTING OPTIONS

- Can be installed into an aluminium profile
- Screws (M3, M4 and PT)
- Press fit pins
- Springs
- Clips
- Glue

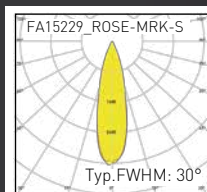
## ROSE-MRK – Quality lighting for bigger LEDs

### COMPATIBILITY

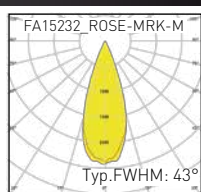
- Super high-power multi-crystal LEDs up to 7070 packages

### TYPICAL APPLICATIONS

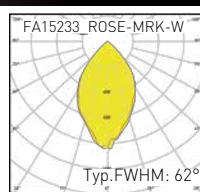
- Indoor lighting
- General lighting
- Spot lights
- Up- and downlights



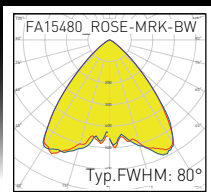
Typ. efficiency of 80%



Typ. efficiency of 84%



Typ. efficiency of 84%



Typ. efficiency of 87%

Available now

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](http://www.ledil.com) for LED specific values and optical datasheets.





## FLORENTINA for ROSE-CMC and -MRK lenses

40mm



**FLORENTINA-1**  
C15426\_FLORENTINA-1-HLD  
C15427\_FLORENTINA-1-SHD-60  
ROSE lens

MAKE  
IT  
YOURS

### FLORENTINA-2X2

C14735\_FLORENTINA-2X2-HLD  
C14734\_FLORENTINA-2X2-SHD  
C14960\_FLORENTINA-2X2-SHD-WHT  
4 x ROSE lens



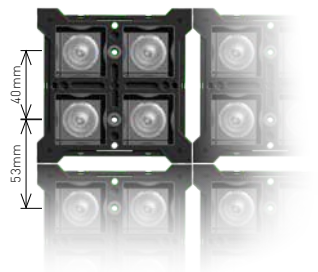
### FLORENTINA-2X2-UV

C14735\_FLORENTINA-2X2-HLD  
C15030\_FLORENTINA-2X2-SHD-UV  
4 x ROSE lens



### FLORENTINA-2X2-OPEN

C14735\_FLORENTINA-2X2-HLD  
C15196\_FLORENTINA-2X2-SHD-OPEN  
4 x ROSE lens



### FLORENTINA-4X1

C15029\_FLORENTINA-4X1-HLD  
C15028\_FLORENTINA-4X1-SHD  
4 x ROSE lens



### FLORENTINA-4X1-UV

C15029\_FLORENTINA-4X1-HLD  
C15031\_FLORENTINA-4X1-SHD-UV  
4 x ROSE lens



### FLORENTINA-4X1-OPEN

C15029\_FLORENTINA-4X1-HLD  
C15198\_FLORENTINA-4X1-SHD-OPEN  
4 x ROSE lens



## FLORENTINA for TINA/TINA2 lenses

### FLORENTINA 12x1



C14465\_FLORENTINA-HLD  
C16446\_FLORENTINA-SHD  
12 x TINA lens



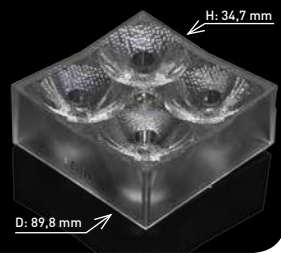
Available in Q2



## 10 degree beam with 5050 packages

### LUCIA family (90x90mm)

- 4-up lens module with specially tilted lenses
- Precise "blade" type beam ideal for the illumination of large buildings, objects and pillars
- LUCIA can be also used in surgical- and sports lighting applications thanks to its very good cut off



#### FEATURES & BENEFITS

- Glare-free and powerful light from very compact source
- Specifically optimised for visually demanding tasks
- Easy mounting with 1 screw

#### TYPICAL APPLICATIONS

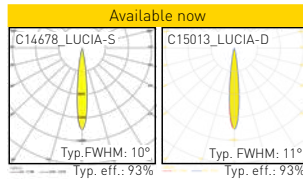
- Outdoor up-/downlighting
- Architectural lighting
- Surgery light
- Flood light
- High-speed camera lighting



#### COMPATIBILITY

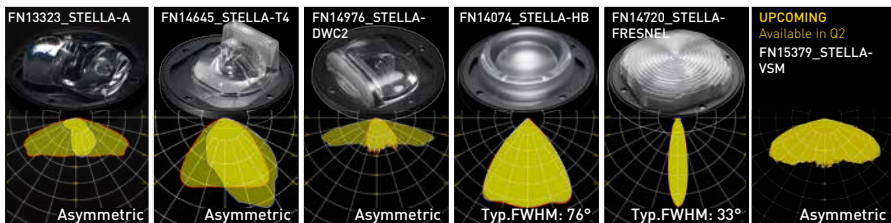
- Up to 7070 size LED packages

LED Compatibility		Duns P10
XHP35 HI, XHP50	XP-E2, XP-G2	LXM, LXMZ
XHP70, XM-L RGB	XP-L	LXZ RGB



## COB street and high bay lighting

### STELLA silicone lens family (D=90mm)



#### FEATURES & BENEFITS

- Various beam angles available
- Self-sealing IP67 rated products with excellent thermal, UV, and impact resistance
- Highly performing silicone lenses with no house-side peaks

#### COMPATIBILITY

- Up to 23mm LES sizes

#### TYPICAL APPLICATIONS

- Street lighting (ME1 & Type III)
- High Bay (40, 60, 90, 140)
- Canopy and forward throw available

Available now

LED Compatibility: Check [www.ledil.com/stellafamily](http://www.ledil.com/stellafamily)

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## Silicone molded 2x2 lenses for high temperature applications

### STRADA-2X2MXS (7070 packages)



#### FEATURES & BENEFITS

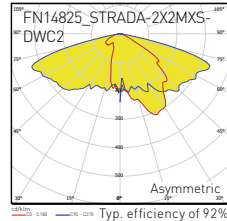
- Part of LEDiL standard (90x90mm) 2X2MX platform now in silicone
- High UV, thermal and impact resistance
- Completely sealed structure with 8 screws for IP67

#### COMPATIBILITY

- Up to 7070 size LED packages
- A range of 2X2MX compliant heatsinks and PCBs available from selected ecosystem partners

#### TYPICAL APPLICATIONS

- Both indoor and outdoor applications
- Halls, arenas, roads, pathways etc.
- Applications with high lumen outputs



LED Compatibility XHP70 LXM

Available now

### STRADA-2X2S (5050 packages)

#### FEATURES & BENEFITS

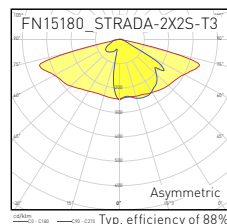
- LEDiL standard (50x50mm) STRADA-2X2 footprint in silicone
- High UV, thermal and impact resistance
- Fastening with one M3 screw

#### COMPATIBILITY

- Optimized for a range of 3535 high power and compatible up to 5050 LED packages

#### TYPICAL APPLICATIONS

- Street lighting
- Outdoor area lighting
- Pathway lighting



#### FN15180\_STRADA-2X2S-T3

- Smooth uniform rectangular beam
- IESNA Type 3 light distribution and universal solution for general ME classes
- Installation up to 1:5 pole ratio

#### LED Compatibility

XB-D, XHP35 HD	XP-L, HL, XQ-E, H	NV5x319B/NV5x319C
XHP35 Hi	XI-E, XT-EHWW	Dumie SP
XP-G2, XP-L	LXMZ, LXTX	Oscon Square PC

Available in Q2



## Mid power street lighting STRADELLA-8UP

STRADA's little sister – Compact STRADELLA lens doubles the density of LEDs compared to standardized STRADA-2X2 lenses, making it a cost efficient and feasible solution for mid-power LEDs.



### FEATURES & BENEFITS

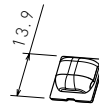
- The same dimensions and mounting hole as STRADA-2X2 family, but with 8 lenses in one
- Standard street lighting and high bay beams available
- Single lens available with the same beam angles

### COMPATIBILITY

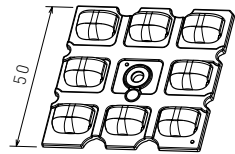
- STRADELLA-8UP: 3030 & 3535 size packages

### TYPICAL APPLICATIONS

- Street lighting (ME, T2 & T3)
- High bay lighting (30, 60, 90)
- Flood lighting

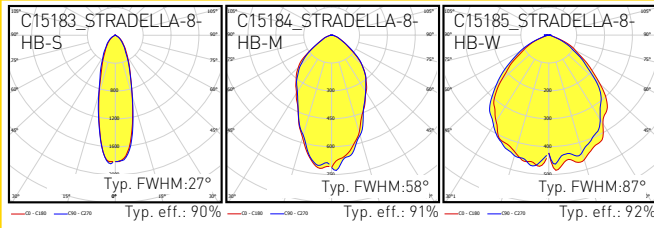


**Single lens**  
For high-power LEDs



**8-up module**  
For high-/mid-power LEDs

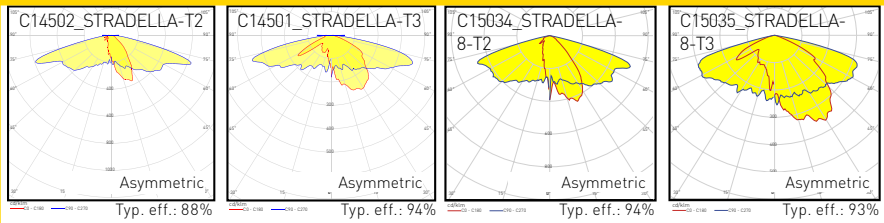
Available in Q2



### LED Compatibility

- XP-G2
- XT-E
- LX 3030 2D
- LX 3535 2D
- LX FlipChip
- LX FlipChip White 1D
- NP-Z751D
- NP-S519B/N/S5x19C
- Diana S8 1/2 chip
- Osilon Square EC
- Osilon Square Gen3
- Z8Y15, Z8Y19

Available now



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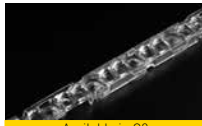
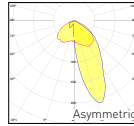
And many more!

## Standard LEDiL range of optics expanded



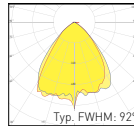
Available in Q2  
D: 286 x 61 mm H: 11,4 mm

**FLORENCE-ZT25-S**  
Asymmetric wall washing beam available for Florence-3R product family



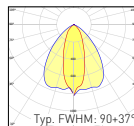
Available in Q2  
D: 282 x 19 mm H: 6,9 mm

**FLORENCE-1R-GC**  
Minimum glare and optimized LED layout for high-end office lighting



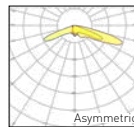
Available now  
D: 286 x 61 mm H: 8,45 mm

**FLORENCE-O**  
Elliptical beam now available for high racking applications and corridors



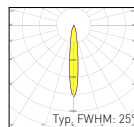
Available now  
D: 50 mm H: 9,02 mm

**STRADA-2X2-T4-B**  
Widest IESNA Type IV forward throwing beam



Available in Q2  
D: 50 mm H: 13,7 mm

**SAGA-S-WHT**  
Innovative hybrid spotlight with durable silicone lens and reflective white frame for indoor lighting

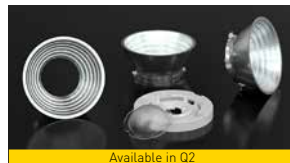


**YOUR  
FASTLANE  
TO  
MARKET**



Available now

**ANGELETTE**  
Industry standard (D:110 mm) diameter reflectors with various accessories



Available in Q2

**BROOKE-G2**  
Finally Brooke (D:45mm) reflector family is available for next generation COBs



D: 9,9 x 9,9 mm H: 7,5 mm

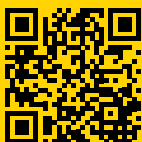
Available now

**LARISA-PIN**  
New holder available for LARISA product family with LEDiL standard position pins

## Where to buy

<b>North America</b>	us.sales@ledil.com	+358 40 413 9990	Sales and Technical Support
<b>Andrey Vasilyev</b>	andrey.vasilyev@ledil.com	+1 (617) 599 0115	Northeast US, Canada
<b>Pasi Kontto</b>	pasi.kontto@ledil.com	+358 40 776 2149	Mid-Atlantic states
<b>Steve Howie</b>	steve.howie@ledil.com	+1 (704) 309 0368	Regional Sales Manager, South-East USA
<b>Lauri Haarala</b>	lauri.haarala@ledil.com	+358 40 653 7666	Midwestern US Balkans
<b>Bruno Musolino</b>	bruno.musolino@ledil.com	+55 (11) 9 8264 6688	Brazil
<b>Jen John Lee</b>	jen.lee@ledil.com	+55 (11) 9 7378 8874	Brazil
<b>Raúl Parra</b>	raul.parra@ledil.com	+358 40 095 6839	Central America, South-America Greece
<b>Rodrigo Menabrito</b>	rodrigo.menabrito@ledil.com	+52 (81) 1609 2329	México
<b>Ville Saarinen</b>	ville.saarinen@ledil.com	+358 40 732 8705	Nordic, Baltic South-Korea Japan, Taiwan
<b>Simon Aldred</b>	simon.aldred@ledil.com	+44 7540 726 384	UK, Ireland, Benelux
<b>Glenn Bultinck</b>	glenn.bultinck@ledil.com	+33 75 09 78 155	France
<b>Dave Simpson</b>	dave.simpson@ledil.com	+34 607 858 901	Spain, Portugal
<b>Martin Lengwenus</b>	martin.lengwenus@ledil.com	+49 1577 1916641	Germany, Austria, Switzerland
<b>Ewald Sutor</b>	ewald.sutor@ledil.com	+49 173 381 7312	Germany [PLZ 6, 7, 8], Austria, Switzerland
<b>Oliver Klasen</b>	oliver.klasen@ledil.com	+49 151 20 66 1985	Germany [PLZ 0-5, 9]
<b>Marcin Wiewiórka</b>	marcin.wiewiorka@ledil.com	+48 501 765 576	Poland, Czech Republic, Slovakia
<b>Diego Quadrio</b>	diego.quadrio@ledil.com	+39 340 659 9236	Italy
<b>Nonna Raita</b>	nonna.raita@ledil.com		Eastern Europe
<b>Saken Jusupov</b>	saken.jusupov@ledil.com	+7 911 758 95 54	Russia, Ukraine, Belarus, Kazakhstan
<b>Zekeriya Boz</b>	zekeriya.boz@ledil.com	+90 546 291 2 444	Turkey & ME
<b>Bahador Mozaffari</b>	bahador.mozaffari@ledil.com	+98 912 593 9355	Iran
<b>Joni Mäki</b>	joni.maki@ledil.com	+358 40 413 9990	Global
<b>Tang Yunfeng</b>	yunfeng.tang@ledil.com	+86 139 1727 3224	China, Hong Kong, Taiwan, Mongolia
<b>Suppaluck Sae-Sean</b>	suppaluck.sae-sean@ledil.com	+66 869 741 968	Thailand, Malaysia
<b>Sampsa Nurmi</b>	sampsa.nurmi@ledil.com	+358 41 503 5316	Global

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