



# LEDiL<sup>®</sup>

LATEST FROM LEDiL  
Q2/2017 - Q3/2017



# One Connector, Many Optics

## HEKLA sockets and solderless connectors

### DURABILITY

Long lasting materials that can handle high temperatures and maintain contact pressure

### COMPATIBILITY

Support for many different COBs and a variety of LEDiL optics

### USABILITY

Easy to use twist & lock mechanism for quick optics assembly and replacement

### INNOVATION

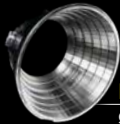
Upcoming LEDiL Push-In connectors allow a socket to become a solderless connector



**BARBARA-G2**  
Ø 70 mm



**MIRELLA-G2**  
Ø 50 mm



**BROOKE-G2**  
Ø 45 mm



**CARMEN**  
Ø 70 mm  
incl. CARMEN-HLD-C



**ZORYA**  
Ø 55 mm  
incl. ZORYA-ADAPTER-HEKLA



**RONDA**  
Ø 54 mm  
incl. RONDA-HLD-C



**WINNIE**  
Ø 50 mm  
incl. WINNIE-HLD-C



HEKLA solderless connectors not available for German market

**NN**  
KONNTRAKT

Retail

Architectural

Track and spot lighting

# CARMEN



NN  
KONNKTAKT

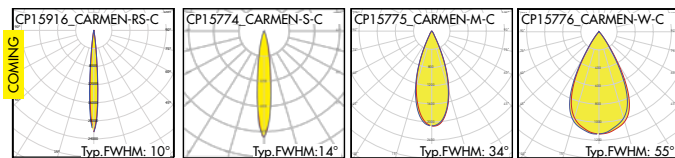
PATENT  
PENDING

## 70 mm lens and reflector hybrid design with minimized spill light

- Redefined reflector performance with smooth cutoff, minimized spill light and low glare
- Perfect selection of beams for general and accent lighting with a new even narrower spot beam
- Aesthetic and convenient hybrid design protects the COB from dust and touches

### COMPATIBILITY

- LES sizes up to 11 mm
- Holder B: 3rd party connectors from BJB and Stucchi
- Holder C: LEDiL HEKLA



Retail

Architectural

Downlighting

# RONDA



NN  
KONNKTAKT

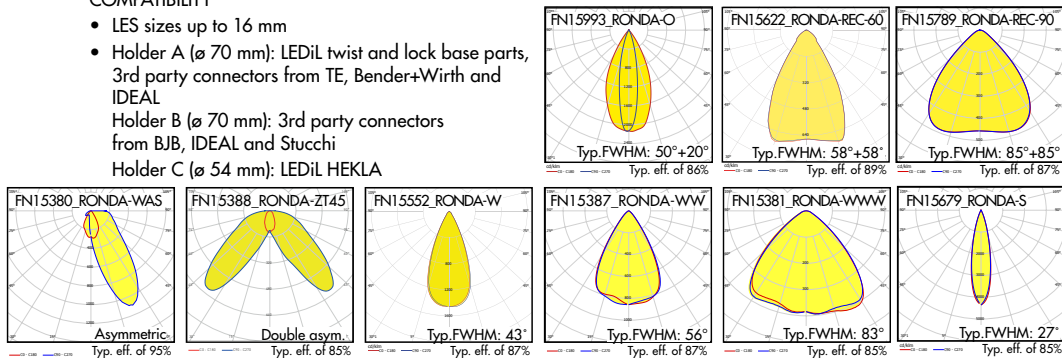
PATENT  
PENDING

## Low profile system for all indoor lighting needs

- Multi refraction technology allows high performing and uniform light in all variants
- Low profile design with wide customization possibilities and easy integration to luminaires
- 9 beams makes RONDA an ideal and modern choice for wide range of downlight solutions

### COMPATIBILITY

- LES sizes up to 16 mm
- Holder A (ø 70 mm): LEDiL twist and lock base parts, 3rd party connectors from TE, Bender+Wirth and IDEAL
- Holder B (ø 70 mm): 3rd party connectors from BJB, IDEAL and Stucchi
- Holder C (ø 54 mm): LEDiL HEKLA



Retail  
Architectural  
Track and spot lighting



# MOLLY

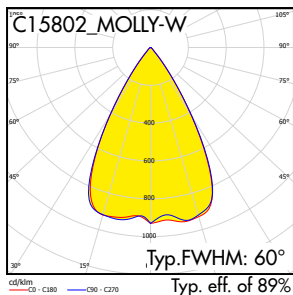
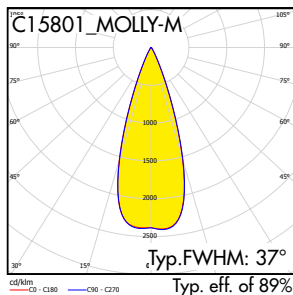
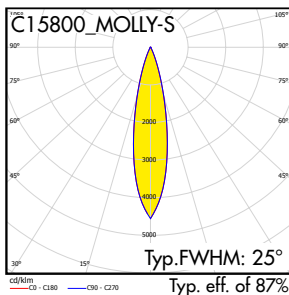
PATENT  
PENDING

## 70 mm one piece optic with integrated bayonet mechanism

- Highly efficient Fresnel design with excellent uniformity and no spill light – 15 % more light on actual target than with traditional reflector
- Reliable fastening and compatibility with numerous connectors on the market
- Spot, medium and wide beams supporting a wide range of different size COBs

### COMPATIBILITY

- Optimized for 14,5 mm LES and compatible up to 19 mm LES
- Compatible with LEDiL sockets: C13658\_CLAMP-VEROI3-18, C14123\_CLAMP-CXA15-18 and C14036\_CLAMP-CXA25-30
- Can be used with 3rd party 3-hook fastening solutions (Molex, TE, Bender&Wirth)







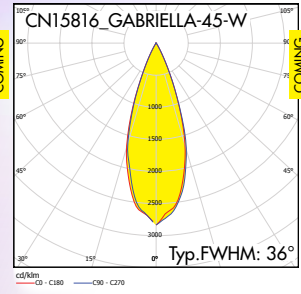
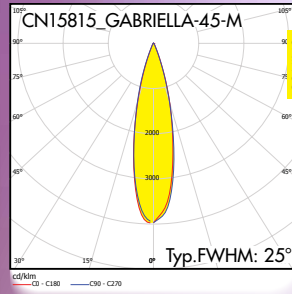
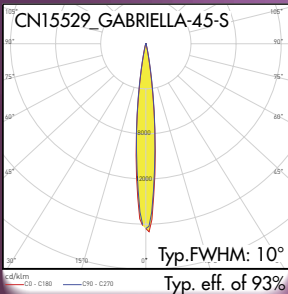
# GABRIELLA

45 mm RGB and tunable white colour mixing lens family

- LEDiL's unique floret-type hexagonal surface ensuring colour uniformity
- Easy and reliable assembly with excellent positioning accuracy
- Three beams including 10° in Ø 45 mm size, and similar beams in Ø 35 mm size coming

## COMPATIBILITY

- Optimized for 5050 size and compatible with 7070 RGB LEDs



Architectural

Decorative lighting

Downlighting



# OLGA

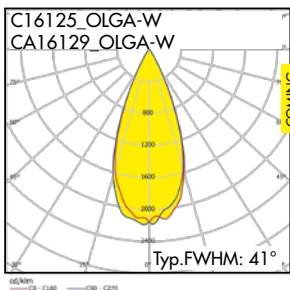
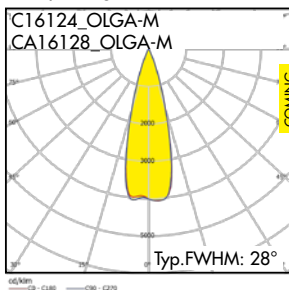
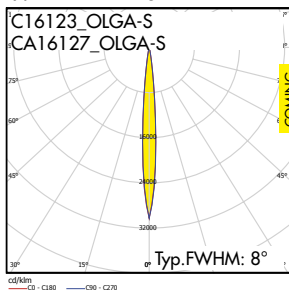
30 mm elegant indoor lighting family for high- and ultra-high-power LEDs

- Special surface that eliminates color-over-angle issues resulting in beautiful light with a smooth cutoff
- Can be used with or without a holder and lens flange allows easy integration into a customer luminaire design
- Compatible with a wide range of different size LEDs from 3535 to 7070 packages

## COMPATIBILITY

- Optimized for 3535 and compatible with up to 7070 size LED packages

Typical beam angles with 3535 size LED packages:





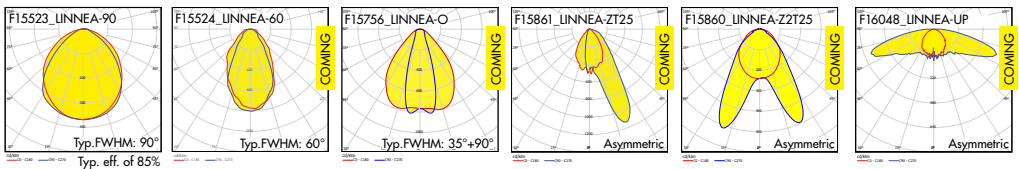
# LINNEA

## 40 mm wide linear lens family for mid power LEDs

- Off-the-shelf linear optics fitting into old and new luminaire designs with wide PCB compatibility
- Advanced optical control with great colour uniformity and reduced longitudinal glare
- Extremely fast to assemble with integrated clips and optional end caps

### COMPATIBILITY

- Optimized for the most common Zhaga mid-power 20 mm and 24 mm wide PCBs
- Optimized for 1,0 mm thick profiles, and B-variants for 0,5 mm profiles



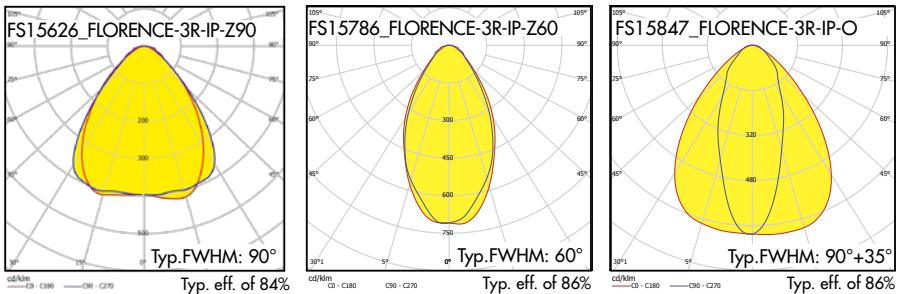
# FLORENCE-3R-IP

## Up to IP67 linear 3-row optics for moist and dusty environments

- 33 LED Zhaga module optimized design with an integrated silicone gasket available in PC and in PMMA upon request
- 90°, 60° and oval beams with market leading colour uniformity
- Perfect for industrial halls and horticultural lighting

### COMPATIBILITY

- Range of 3x11 mid-power LED modules





Office

Downlighting

Indoor architectural



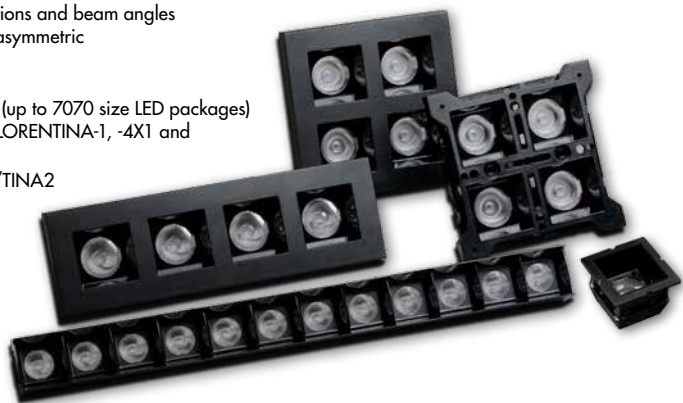
# FLORENTINA

Dark Light optics with no glare

- Hybrid design of a black reflector and lenses designed for high visual comfort applications
- Different form factors – single, 2X2, 4X1 and 12X1
- Various mounting options and beam angles from 10° to 60° and asymmetric

## COMPATIBILITY

- LEDiL standard ROSE (up to 7070 size LED packages) lenses available for FLORENTINA-1, -4X1 and -2X2 versions
- LEDiL standard TINA/TINA2 (up to 3535 size LED packages) lenses available for FLORENTINA-12X1







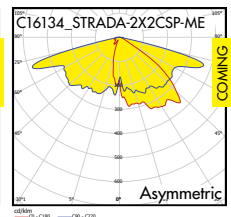
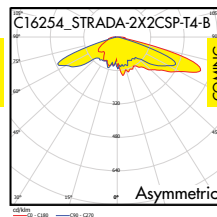
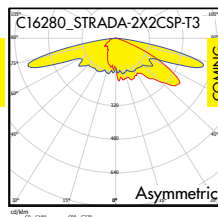
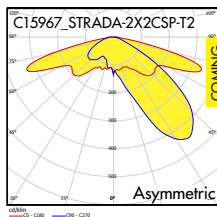
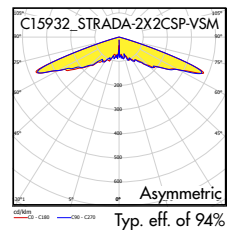
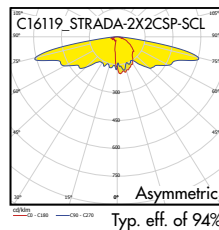
# STRADA-2X2-CSP

Industry's standard STRADA-2X2 optics family optimized for CSP LEDs

- Range of 50 x 50 mm lenses for cost driven CSP LEDs
- T2, T3, T4-B, ME, SCL and VSM light distributions for street and area lighting
- Enables easy transition from packaged 3535 high-power LEDs to high-power CSP LEDs

## COMPATIBILITY

- High-power CSP packages

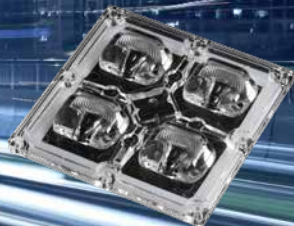


Area and parking lot

Street

High bay

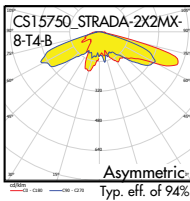
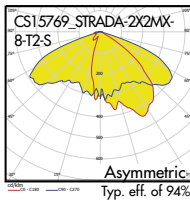
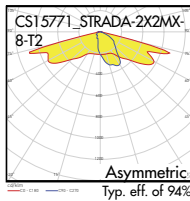
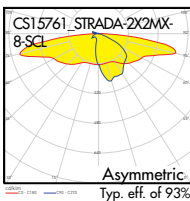
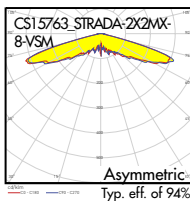
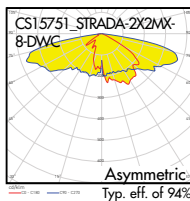
2X2mx



# STRADA-2X2MX®

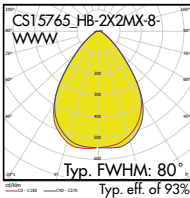
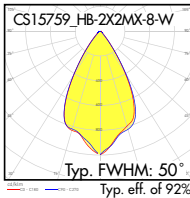
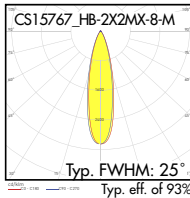
A standardized up to IP67 modular platform for super-high-power and CSP LEDs

- 90 x 90 mm platform with an integrated silicone gasket for up to IP67 ingress protection
- Both PMMA and SILICONE versions share the same footprint with 8-screw fastening
- Qualified for CSP clusters



## COMPATIBILITY

- Ultra-high-power LEDs up to 7070 size packages and CSP LED clusters



# STRADA-2X2MXS

Up to IP67 modules in silicone for high temperature applications and super-high-power LEDs in the same 2X2MX® footprint

## Available

FP14825\_STRADA-2X2MXS-DWC2  
FP15812\_STRADA-2X2MXS-VSM  
FP15589\_STRADA-2X2MXS-T2

## COMING

FP15752\_STRADA-2X2MXS-T3  
FP15672\_STRADA-2X2MXS-T4-B  
FP15898\_HB-2X2MXS-WW  
FP15897\_HB-2X2MXS-WWW

Street

Area and parking lot

High bay



# STRADELLA

High density street and high bay optics ideal for mid power LEDs, also in up to IP67 28-up array

- Wide range of 8- and 16-up variants in a standardized 50 x 50 mm footprint
- Single versions available with same street and high bay beams as 50 x 50 mm variants
- The latest addition is a 100 x 100 mm size 28-up module with up to IP67 ingress protection and available in PMMA and PC

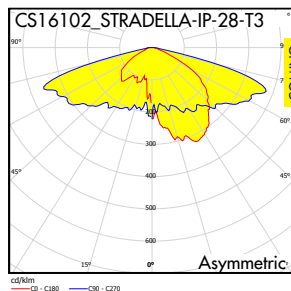
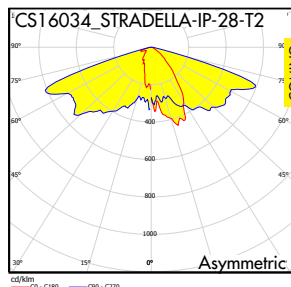
## COMPATIBILITY

Optimized for mid- and high-power LEDs up to 3535 packages and mechanically compatible with CSP

Recommended compatibility\*:

- Single: High-power LEDs
- STRADELLA-8: Mid- and high-power LEDs
- STRADELLA-16: Mid-power LEDs
- STRADELLA-IP-28: Mid- and high-power LEDs

\*Recommended compatibility is based on typical and feasible luminaire designs, considering optimal lumen density, thermal management and module size (Ask more information about thermal limitations and LED compatibility from your LEDiL contact or Technical support)



# Where to buy

Sampsa Nurmi	sampsa.nurmi@ledil.com	+1 815 766 3202	US & Canada
Kevin Vaughn	kevin.vaughn@ledil.com	+1 412 721 4308	North-East US & East-Canada
Paul Munce	paul.munce@ledil.com	+1 678 3726053	South-East & South-Central USA
Barry Williams	barry.williams@ledil.com	+1 310 994 4967	Western USA & West Canada
Lauri Haarala	lauri.haarala@ledil.com	+1 331 330 3215	Midwestern US
Raul Parra	raul.parra@ledil.com	+358 40 095 6839	Central America, South-America
Rodrigo Menabrito	rodrigo.menabrito@ledil.com	+52 (81) 1609 2329	México
Ana Sofia Meza	ana.mezo@ledil.com	+52 1 555 435 6721	Inside Sales Mexico
Bruno Musolino	bruno.musolino@ledil.com	+55 (11) 9 8264 6688	Brazil
Jen John Lee	jen.lee@ledil.com	+55 (11) 9 7378 8874	Brazil
Fernanda Cruciani	fernanda.cruciani@ledil.com	+55 (11) 9 6645 8450	Customer Service, Brazil
Joni Mäki	joni.maki@ledil.com	+358 404 139 990	Global
Nonna Raita	nonna.raita@ledil.com	+358 40 833 2707	Inside Sales
Saken Jusupov	saken.jusupov@ledil.com	+7 911 758 95 54	Russia, Ukraine, Belarus, Kazakhstan and other CIS countries
Alexander Burlakov	alexander.burlakov@ledil.com	+7 915 300 68 00	Siberia and Ural regions of Russia
Ekaterina Ilyina	tech.support.rus@ledil.com		Field Application Engineer in Russia and CIS countries
Tang Yunfeng	yunfeng.tang@ledil.com	+86 139 1727 3224	China, Hong Kong, Taiwan, Mongolia
Suppaluck Sae-Sean	suppaluck.sae-sean@ledil.com	+66 869 741 968	Thailand, Malaysia, Singapore, Vietnam, Indonesia, Philippines
Howard Lee	howard@coresemi.com	+82 10 3799 7351	Korea
Bahador Mozaffari	bahador.mozaffari@ledil.com	+98 912 593 9355	Iran
Radhesyam Nandigam	syam.nandigam@ledil.com	+91 9676 333 162	India
Vijay Kumar	india@ledil.com	+91 80084 13434	India
Mohammad Bilal	mohammad.bilal@ledil.com	+91 93219 32158	India
Pasi Kontto	pasi.kontto@ledil.com	+358 40 776 2149	Australia, New Zealand
Konstantinos Kyranas	konstantinos.kyranas@ledil.com	+49 17 1184 5154	Europe
Ville Saarinen	ville.saarinen@ledil.com	+358 40 732 8705	Nordic, Baltic
Simon Aldred	simon.aldred@ledil.com	+44 7540 726 384	UK, Ireland, Benelux
Oliver Klasen	oliver.klasen@ledil.com	+49 151 2066 1985	Germany, Austria, Switzerland
Martin Lengwenus	martin.lengwenus@ledil.com	+49 157 7191 6641	Germany, Austria, Switzerland - Inside sales
Glenn Bultinck	glenn.bultinck@ledil.com	+33 75 09 78 155	France
Diego Quadrio	diego.quadrio@ledil.com	+39 340 659 9236	Italy, Malta
Dave Simpson	dave.simpson@ledil.com	+34 607 858 901	Spain, Portugal
Marcin Wiewiórka	marcin.wiewiorka@ledil.com	+48 501 765 576	Poland, Czech Republic, Slovakia
Nico Lehtonen	nico.lehtonen@ledil.com	+358 44 525 9191	Romania, Serbia, Bulgaria, Kosovo, Hungary, Croatia, Slovenia
Zekeriya Boz	zekeriya.boz@ledil.com	+90 546 291 2 444	Turkey & ME



Installation guide

For technical  
support and  
simulations  
contact us at:  
tech.support@ledil.com

**LEDiL Oy**  
Joensuunkatu 13  
FI-24100 SALO, FINLAND  
**LEDiL, Inc.**  
228 West Page Street Suite D  
Sycamore IL 60178, USA