



- ➤ LEDiL's patented optical design for uniform optics illuminance and smooth color mixing with RZ-surface
- > Emphasis on glare reduction, with shade <19UGR
- Range of accessories available (shades & press fit)



- Warehouse lighting
- Retail lighting
- Office lighting
- Low bay
- High bay



COMPATIBILITY

- Range of 3x11 mid-power LED modules
- Zhaga book 7 compliant modular solution



New FLORENCE-IP family

With a seal





FLORENCE-3R-IP

FS15626_FLORENCE-3R-IP-Z90

PC lens optimized for moist environments

Up to IP67 rated PC lens for fluorescent light replacements

Perfect for industrial halls affected by moisture and constant dust

Compact and efficient design with high impact resistance

FEATURES

- 14 screw holes outside the integrated silicone gasket to allow up to IP65 rating
- 90deg version will be followed by 60 and oval

COMPATIBILITY

Range of 3x11 mid-power LED modules

- Industrial lighting
- Indoor lighting
- Low bay applications
- Halls



FLORENCE-1R

Linear optics for all your lighting needs

- Single row FLORENCE that can be easily snapped into three smäller 95mm long pieces
- Easily customizable retaining clips connecting lenses into a continuous row
- Linear design works with any LED pitch; 24 LEDs on 1 ft



Linear optics works with any distance between the LED's (except GC that is compatible with a range of mid-power LEDs up to 5630 package size)

- Office lighting
- Retail lighting
- Low Bay
- Wall washing
- Interior architectural lighting
- Supermarket aisle lighting
- Industrial and warehouse corridor lighting

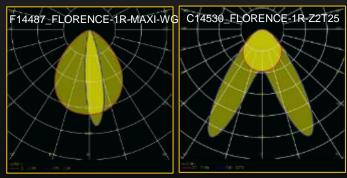






















FLORENCE-1R-GC-family



With minimized longitudinal glare meeting office lighting requirements

- Minimized longitudinal glare for better UGR values
- Optimal LED count to achieve good light distribution/UGR ratio to the desired area
- Special optical solutions to remove unwanted color-over-angle artefacts

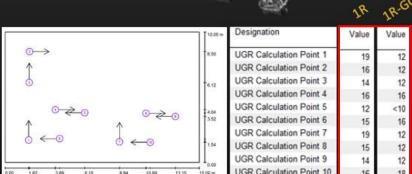
FEATURES

- Individual TIR lenses (instead of linear) used due to fixed LED positions
- Optional clips available for easier installation and continuous rows
- Z60 and ZT25 variants to follow Z90 variant
- Typical efficiency: 92%

COMPATIBILITY

Linear optics that work with any distance between the LED's

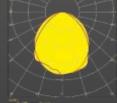
- Office lighting
- Retail lighting
- Low bay
- Interior architectural lighting
- Super market aisle lighting
- Industrial and warehouse corridor lighting







LINNEA





F15523_LINNEA-90

285x40.6x9.7mm

F15524_LINNEA-60

A new 40mm wide linear lens family for mid power PCBs

- Improved glare control and more uniform luminance due to micro structure
- Allows a solid linear construction without gaps between the lenses
- Extremely fast to assemble with integrated clips and no screws needed

FEATURES

- 40mm wide PC lens with diffused surface and thin & low profile (=low cost)
- Lens clips to 1-1.2mm metal sheet or extrusion profile holding the PCB in place
- Easy wiring or board-to-board connection
- Range of symmetrical and asymmetrical beams with 60 and 90 beams coming first

COMPATIBILITY

- Optimized for the most common Zhaga mid-power max.24mm wide PCBs
- Works for 1ft and 2ft boards, Any LED pitch can be used

TYPICAL APPLICATIONS

- Fluorescent lamp replacements
- Industrial lighting
- Office lighting
- Retail
- Garages and Canopies
- Pendant luminaires

COMPATIBLE PCBs:
Osram prevaled slim PL
PrevaLEDLinearSlim2-650lm, -2000lm
Samsung 2-2-3-1, 2-2-3-2, 2-2-3-4
Samsung M-series 10_4, 10_5, 10_6
Tridonic LLE G3

Tridonic TALEXXmodule LLE G1





FLORENTINA-family

Anti-glare Optics (<19 UGR)

- Hybrid design Black reflector with lenses
- Higher intensity and less spill light compared to metallized reflectors
- Various mounting options and beam angles available





- Single lens, 4x1, 2x2 and 12x1 configurations available
- Standard black and white faceplates or make your own
- Versions available with +-30 degrees adjustable rotation mechanism
- Beams available from 10° to 60°, and also asymmetric and double asymmetric

TYPICAL APPLICATIONS

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

MOUNTING OPTIONS

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



COMPATIBILITY

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





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CARMEN

14° 44° 57° CP15212_CARMEN-S-B CP15215_CARMEN-M-B CP15313_CARMEN-W-E

Your choise for pleasant retail lighting

- Aesthetic and convenient hybrid design protects the COB from dust and touches
- Redefined reflector performance with smooth cutoff and low glare
- Perfect selection of beams for general and accent lighting

FEATURES

- No halos or light spilling, low glare and complete control of light
- Comes with black reflector, especially optimized for low UGR applications
- Standard retail and track lighting beams available
- Various beam angles available including ultra narrow beam (~10°)

COMPATIBILITY

- LES sizes up to 10 mm
- LEDiL recommends spot version to be used with 6mm LES (=18000cd)
- Holder options for LEDiL, Stucchi, BJB etc. solderless connectors

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

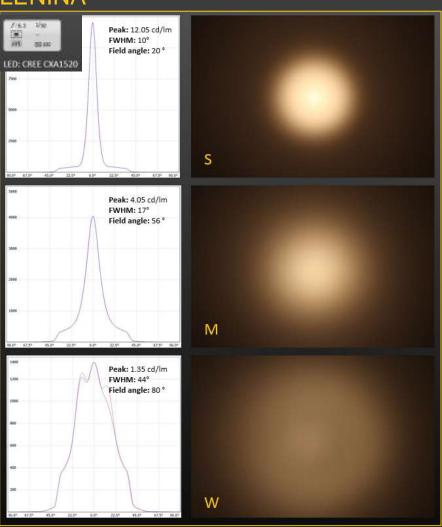




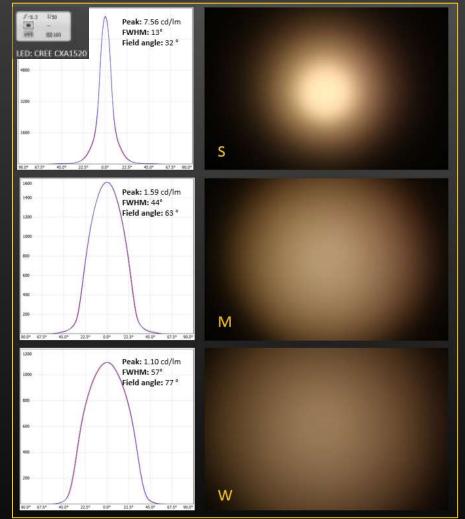
LENINA VS CARMEN

More uniform&smooth beams in CARMEN vs higher cd/lm peaks in LENINA

LENINA



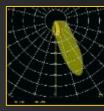
CARMEN



RONDA

- Asymmetric and double asymmetric wall washing beams meeting even strictest vertical illuminance requirements
- Uniform lighting up to the ceiling level without tilting of the fixture





RONDA-WAS Asymm.



RONDA-ZT45 Double asymm.

FEATURES & BENEFITS

- Visually pleasing light distribution with smooth cut-off
- Wide customization possibilities (front panel, assembly depth, light pattern)
- Typical installation ratio 1:3 with asymmetric beams
- ZT45-version for corridors, aisles and vertical surface illumination

TYPICAL APPLICATIONS

Office lighting, Architectural lighting, Downlights, Museums, Shops, Hotels

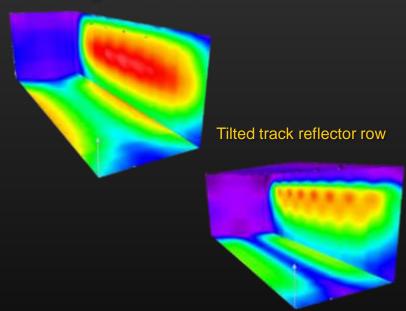


RONDA-ZT45 and RONDA-WAS

RONDA-ZT45 comparison to tilted track reflector

- Good uniformity and smooth blending beam
- Designed for 1:2 assembly ratio
 - Wall / shelf height = aisle width
- Recommended distance along the aisle 1m ... 1.5 m

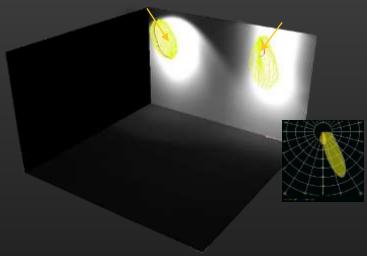
FCN15357_RONDA-ZT45



RONDA-WAS comparison to tilted track reflector

Tilted standard track-reflector

WAS



- Designed for 1:3 assembly ratio
- Smooth cutoff
- High peak instensity foor long reach and controlled lighting





ZORYA ~340° silicone optic for retrofits

A highly efficient silicone molded LED optic that mimics a traditional light bulb beam pattern

ZORYA

~340° silicone optic for retrofits

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

FEATURES

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

COMPATIBILITY

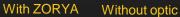
- LES sizes from 6 mm to 24 mm
- Stucchi, BJB and Tyco solderless connectors
- 40 and 50 mm LEDiL adapters

TYPICAL APPLICATIONS

- Retrofit
- Walkway lighting
- Industrial lighting
- Garden lights

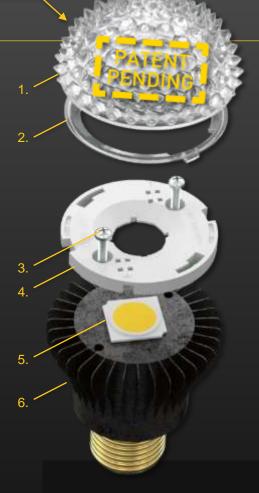


D: 56mm





LED used: CXA2590



H: 29mm

1 F15074 ZORYA-SC 2 F15076 ZORYA-SC-ADAPTER-50

3 M3 screw DIN912

4 Connector BJB

5 COB LED LES 6-24 mm

6 Heatsink Ø50mm

STELLA-family

Easy ingress protected solution

















- Highly performing silicone lenses with 7 beam angles available and no house-side peaks
- Self-sealing up to IP67 rated products with excellent thermal, UV and impact resistance
- Up to 23mm LES sizes; 90mm diameter (* Up to 32mm LES sizes, min 13mm)



STELLA-VSM

Wide area lighting with TYPEV light distribution

- Large silicone lens for wide outdoor areas with TYPEV light distribution
- Self-sealing silicone design for up to IP67 ingress protection against dirt, dust and moisture
- Compatible with up to 32mm LES-size COBs for ultimate illuminance output

FEATURES

- TYPEV symmetrical square-shaped light distribution
- More space for connectors reserved at the bottom (like in other new STELLA-optics)
- Maximum connector size: diameter 52mm, height 3,7mm

TYPICAL APPLICATIONS

Wide area lighting

COMPATIBILITY

- Compatible from 13mm to 32mm LES-size COBs like Bridgelux VERO29 and Citizen CLU056
- The best performance can be achieved with <u>18mm LES size</u> (depending on the application/setup)





STELLA-HB-WWW

"Cost optimized" solution for high bay applications

- Cost optimized high bay solution from silicone
- Approx. 90deg beam for very wide high bay lighting applications
- Self-sealing silicone design for up to IP67 ingress protection against dirt, dust and moisture

FEATURES

 Low profile, but yet enough space reserved for 52mm in diameter and max 6mm high connectors

TYPICAL APPLICATIONS

- High bay
- Industrial
- Warehouses

COMPATIBILITY

- Compatible from 13mm to 32mm LES-size COBs like Bridgelux VERO29 and Citizen CLU056
- The best performance can be achieved with 18mm LES size (depending on the application/setup)





STELLA-HB-WWW

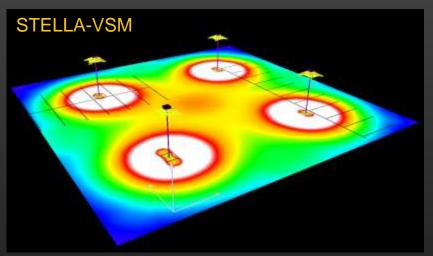
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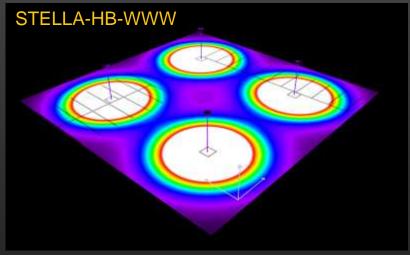


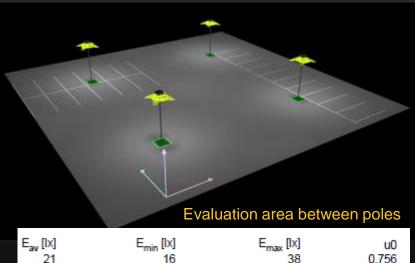
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Parking lot simulation

STELLA-VSM vs STELLA-HB-WWW







Height: 5m Pole distance: 17.5m

STELLA-VSM LED: VERO18

Luminous flux (Luminaire): 4217 lm Luminaire Wattage: 28.8 W

STELLA-HB-WWW LED: VERO29

Luminous flux (Luminaire): 4217 lm

Luminaire Wattage: 25.8 W

