

## FLORENCE-1R family – Versatile linear optics for single row mid-power LED modules

FLORENCE-1R is LEDiL's new family of linear optics designed to be compatible with 1 ft single row midpower LED modules like for example the Philips Fortimo LED Line 1R or similar modules.

Versatile optical design of FLORENCE-1R allows it to achieve similar beam types with different LED types and distributions as long as LEDs are installed on the centerline of the optic. FLORENCE-1R features similar photometric distributions as its three row big sister FLORENCE-3R.

The FLORENCE-1R family offers two optical versions, -Z90 with wide symmetrical beam and single sided asymmetric tilted beam -ZT25. Additional beam types will be released during the summer.

Ingenious design by retaining clips allows connecting lenses into a continuous row. Different retaining clips as well as customized clips are available for a range of installation options. Lens can easily be broken apart into three smaller 95 mm long pieces.

### FEATURES

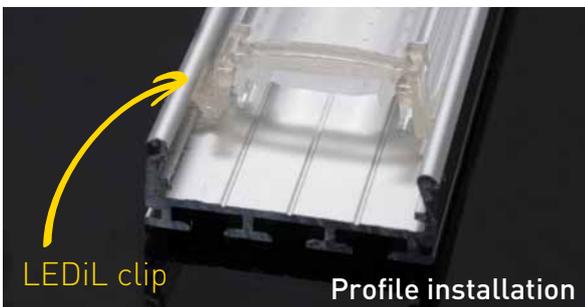
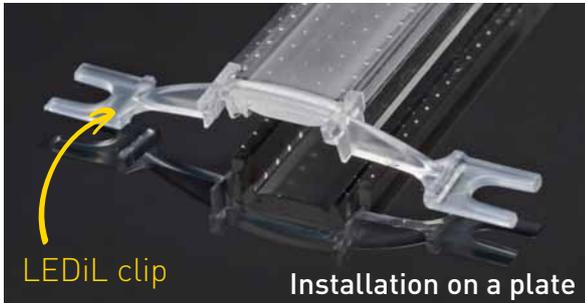
- Can easily be broken apart into single pieces
- Linear optics that work with any distance between the LED's
- Retaining clips that connect lenses into a continuous row



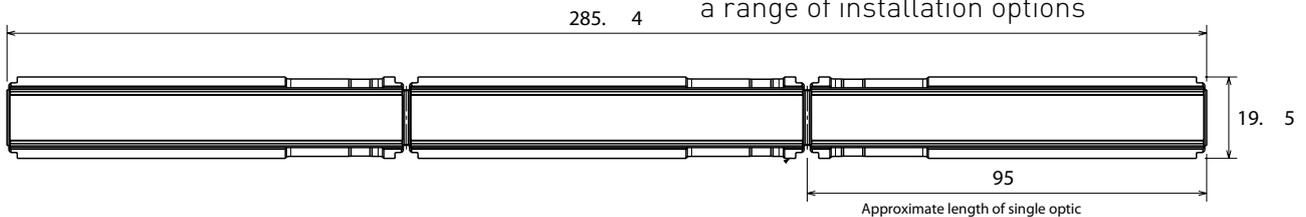
### TYPICAL APPLICATIONS

- Retail lighting
- Low Bay
- Wall washing
- Supermarket aisle lighting

## TECHNICAL SPECIFICATIONS



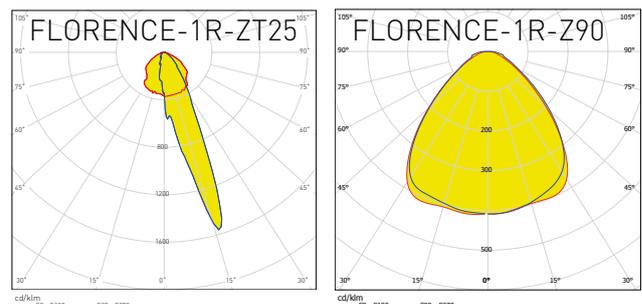
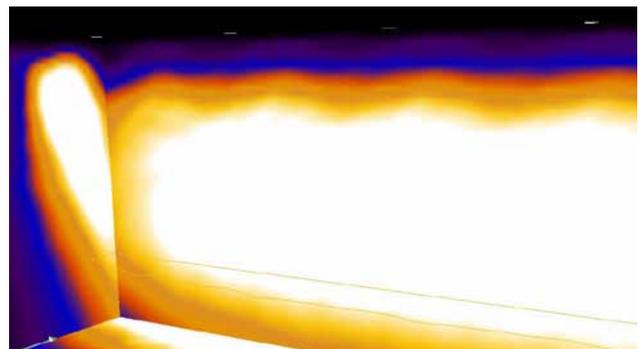
- Dimensions: 285 x 20 x 7 mm
- Precision-molded from optical grade PMMA - UL94 HB rated material with operating rating -40°C to +80°C
- Linear optical design is compatible with a range of different LED pitches
- Wide symmetrical beam -Z90 and single sided asymmetric tilted beam -ZT25 available, additional beam types coming soon
- Designed to reduce glare
- Lens can easily be snapped into three smaller 95 mm long pieces
- Fastening options are glue and LEDiL retaining clips for hooks or screws
- Different retaining clips available for a range of installation options



## APPLICATION EXAMPLE

Uniform lighting of shelves with just five sources

- 5x Philips Fortimo LED Line  
1ft 2000lm 840 1R HV1
- Mounting height: 3.3 m,  
0.85 meters from the shelf front
- Distance between luminaires 1,62 m
- Good cutoff on a top of the shelf,  
Eav on the shelf front = 148 lx
- Emax on the front surface  
262 lx, focus on the eye height



## ORDERING INFORMATION

F14304\_FLORENCE-1R-Z90

F14344\_FLORENCE-1R-ZT25

C14353\_FLORENCE-1R-CLIP-A (Zhaga LLE-L28W4 type modules with screw fastening)

C14409\_FLORENCE-1R-CLIP-B (for Klus' GIZA extrusion and similar, [www.klusdesign.com](http://www.klusdesign.com))

Visit [www.ledil.com](http://www.ledil.com) for ordering codes and latest product specifications, which may vary by LED