

ALENA

modular downlight family

LUXTRON
SYSTEMS



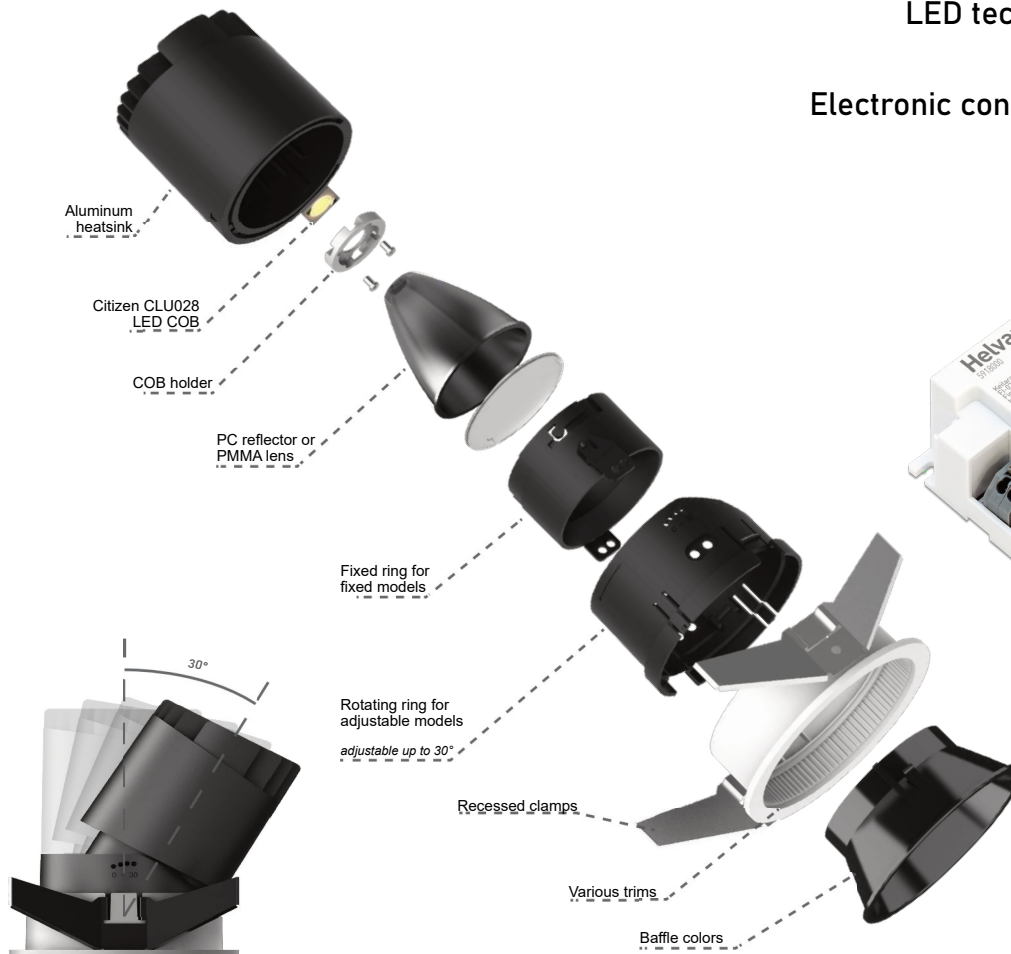
*1 LED engine for all
use cases*

ALENA series

salient features

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3D expansive view



LED technology from **CITIZEN**

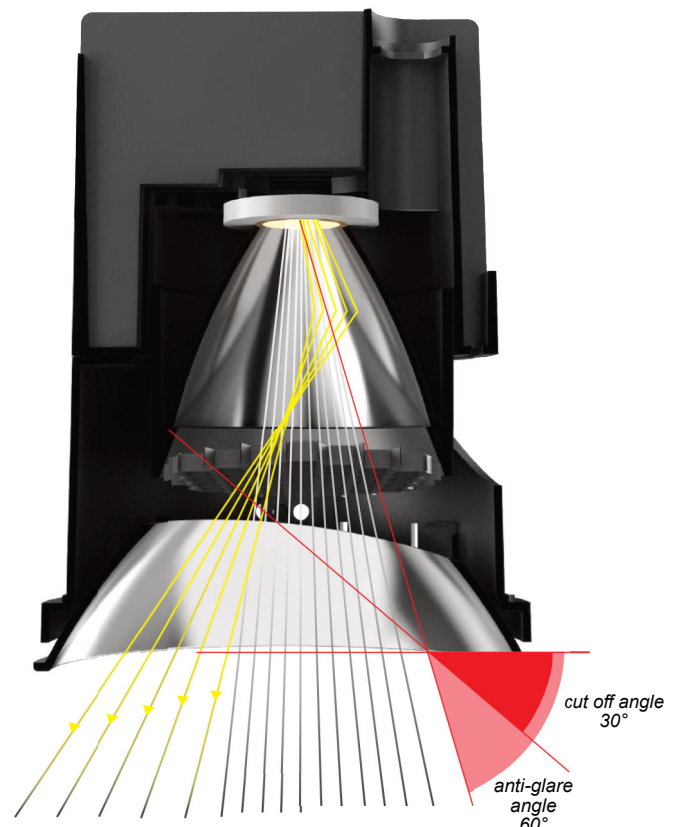
Electronic controlgear from **Helvar**



Darklight technology

Deep anti-glare cup extends the distance between light source and output which improves the anti-glare performance.

The light passes through the honeycomb filter effectively reducing the excess light beam.



Clear Lens

Regular 24° lens



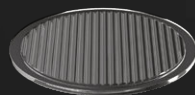
Soft Lens *or frosted lens*

Frosted glass filters out soft light and further enhance the diffused effect of light, thereby reducing the possibility of glare. Provides a uniform light and soft environment.



Square Lens

Square light spot, through atomization or diffusion, let. The light is evenly diffused and softer, thus reducing. The stimulation of lamps to human eyes, achieving anti-glare effect. Fruit, and generally have optical beam expansion function.



Stripe Lens

Stretching pattern light spot is can according to direction horizontal stretching or straight line stretching, effect is will circular light spot pull into ellipse light spot. Can will light spot concentrate in a direction, illuminate that direction as far as possible wide area, and reduce light in other direction (mainly is ellipse short axis direction) of waste (reduce stray light).



Honeycomb

Edge light and shade transition soft light source effect, effectively prevent excess stray light, let direct light through, thus prevent glare, protect eyes, anti-glare UGR less than 16.

ALENA 86A Round

technical specifications

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Electronic controlgear
from

Helvar

LED technology
from

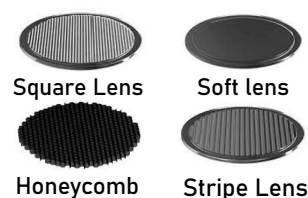
CITIZEN

Technical specifications

Model No	Alena 86A Round
Mounting	Recessed Mounting, Fixture adjustable up to 30°
Wattage	14 W (system) 12.60 W (load)
Input Voltage	220V-240V AC (50-60 Hz) Use with supplied and duly wired electronic controlgear from Helvar, Finland
Beam Angle	10° / 15° / 24° / 38° / 55° PMMA lens optic
Color Temperature	2700K / 3000K / 4000K / 5000K others available on request COB from Citizen, Japan until or unless explicitly specified.
Color Rendering Index	80 / 90
Luminous Flux (@3000K, Ra80)	1070 lm, 3000K, 15° 959 lm, 3000K, 36°
IP Rating	IP40
Dimming Protocols	DALI-2 / Wireless / 1-10V
Dimensions	Ø86 x H99 mm (PMMA lens) Ø86 x H109 mm (PC reflector)
Cut out	Ø 75 mm

Salient features

- 14W recessed mounted adjustable LED downlight
- Round frame with LED engine adjustable up to 30°
- Various color temperature options available.
- Dim to Warm & Tunable White available on request.
- Equipped with CRI90 LED COB from Citizen, Japan. CRI97 VIVID available on request.
- Use of PMMA lens optics leads to accurate beam shaping.
- Supplied with duly wired Helvar LED driver from Finland
- Available in ON/OFF, DALI & Wireless dimming options
- Wireless dimming is possible via CASAMBI or Helvar Freedom protocols.



Reflector baffle options

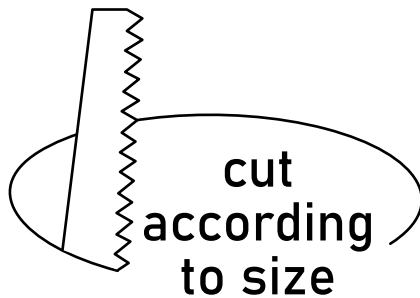


WARNINGS

- **INSTALLATION SHOULD ONLY BE PERFORMED AFTER POWER TO THE FIXTURE HAS BEEN DISCONNECTED.**
- This product is suitable for indoor use only.
- Do not attach to surfaces which are damp, freshly painted or electrically conductive.
- Not suitable for mounting on flammable surfaces.
- Do not cover the heatsink of the downlight.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

INSTALLATION INSTRUCTIONS

1

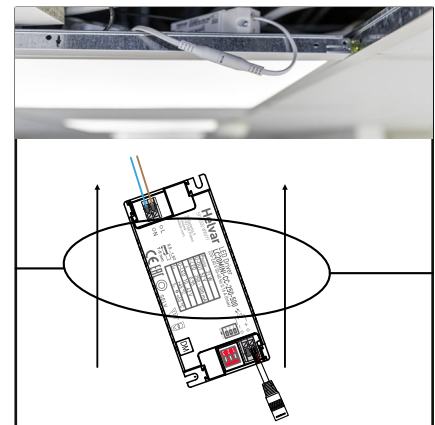
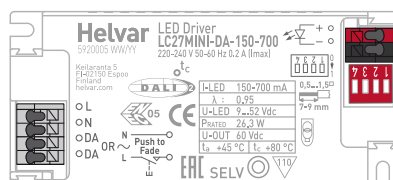
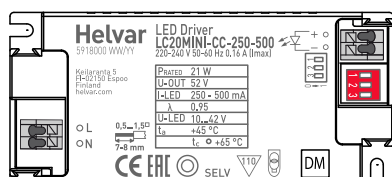
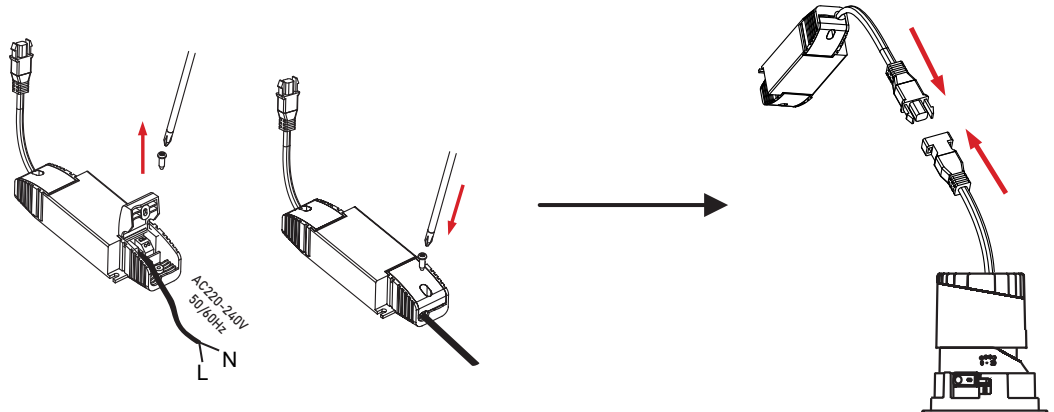


Models	Cut Out Sizes
Alena 86 Round	75 mm

for other models, cut out sizes are mentioned in datasheets

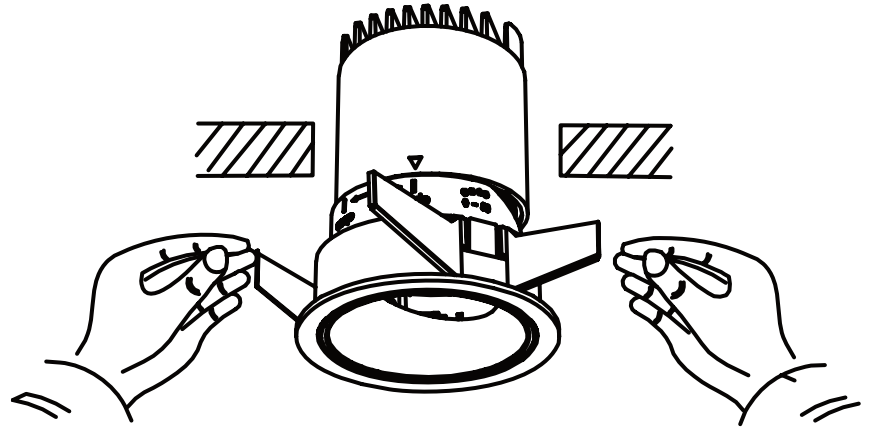
2

Wire and insert the supplied LED driver inside the cut-out



3

insert the LED
downlight into the
cut-out and make
sure the downlight is
set in place once
inserted.



4

You're done!

*1 LED engines for all
use cases!*

