

ALENA

modular downlight family

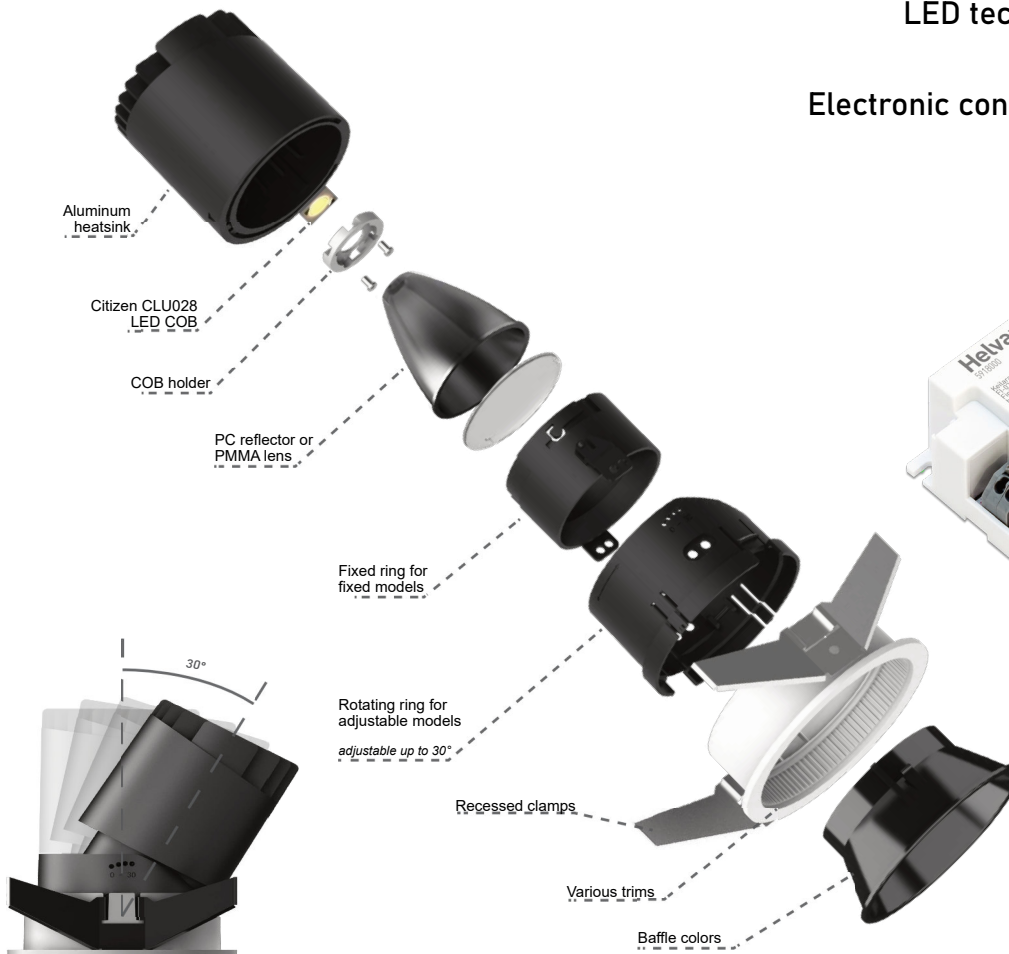
LUXTRON
SYSTEMS



*1 LED engine for all
use cases*

3D expansive view

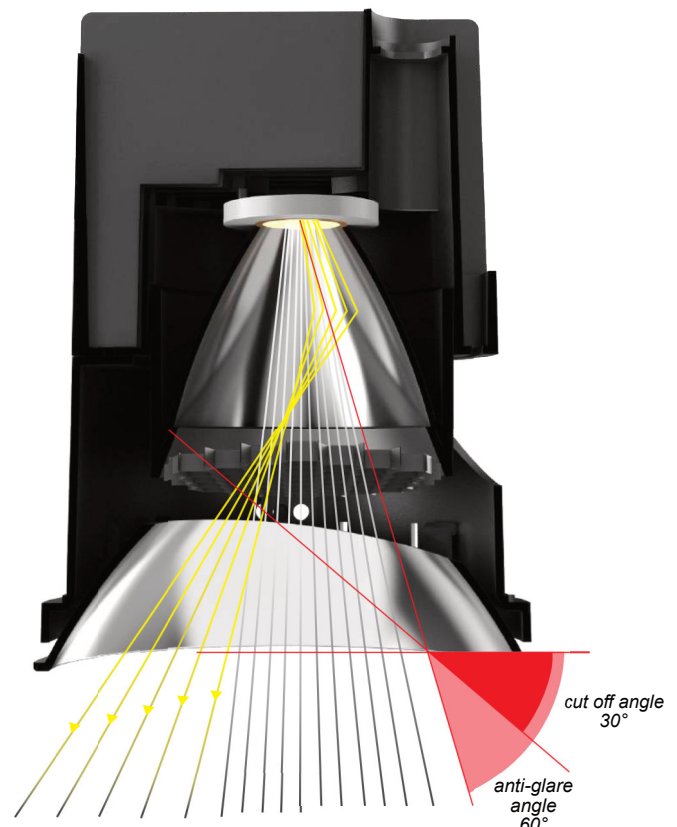
LED technology from **CITIZEN**
Electronic controlgear from **Helvar**



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



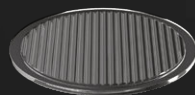
Soft Lens *or frosted lens*

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).



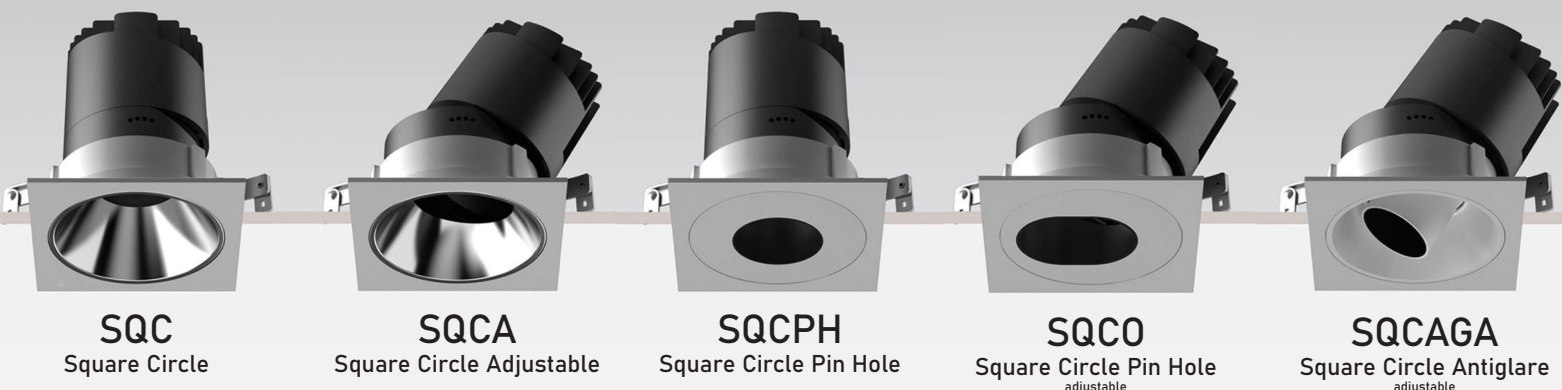
Honeycomb

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 106SQC

technical specifications

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Technical specifications

Model No	Alena 106SQC / Alena 106SQCA Alena 106SQCPH / Alena 106SQCO Alena 106SQCAGA
Mounting	Recessed Mounted Fixture Fixed or adjustable up to 30°
Wattage	20 W (system) 17.50 W (load)
Input Voltage	220V-240V AC (50-60 Hz) Use with supplied and duly wired electronic controlgear from Helvar, Finland
Beam Angle	15° / 24° / 38° PMMA lens optic or PC reflector
Color Temperature	2700K / 3000K / 4000K / 5000K others available on request COB from Citizen, Japan until or unless explicitly specified.
CRI	80 / 90
Luminous Flux	1731 lm, 3000K, 15° 1726 lm, 3000K, 24°
IP Rating	IP40
Dimming Protocols	DALI-2 / Wireless / 1-10V
Dimensions	106 x 106 x H119 mm (Fixed, PC reflector) 106 x 106 x H126 mm (Adjustable, PC reflector)
Cut out	Ø 95 mm

Electronic controlgear from **Helvar**

LED technology from **CITIZEN**

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.
- Possibility to use PMMA lens optics for 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

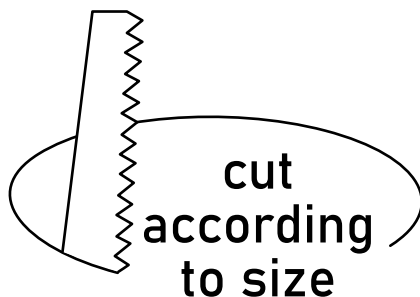


WARNINGS

- **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

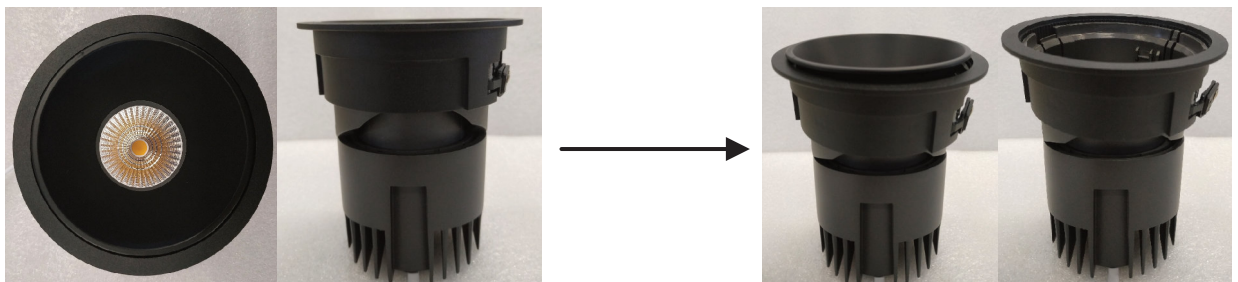


for other models, cut out sizes are mentioned in datasheets

Models	Cut Out Sizes
Alena SQC variants	95 x 95 mm

2

remove
plastic
reflector
on top



3

adjust the
recessed mounting
bracket according
to ceiling thickness

for ceiling < 10 mm

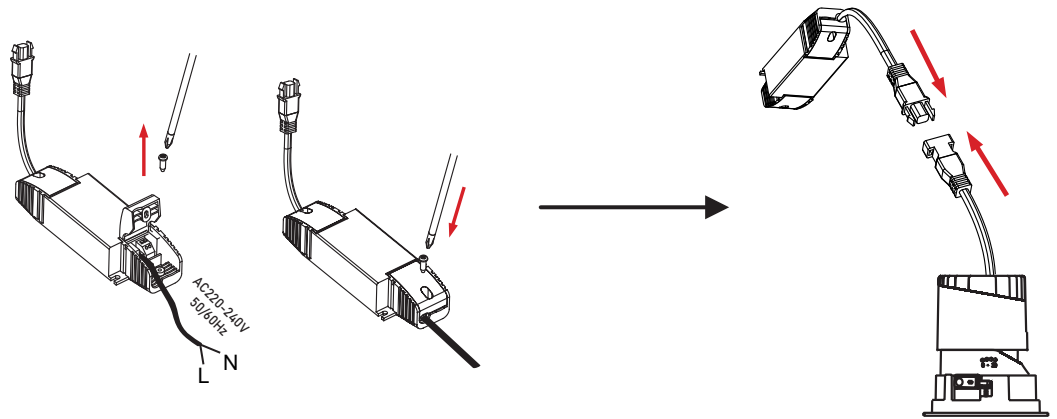


for ceiling 10-20 mm



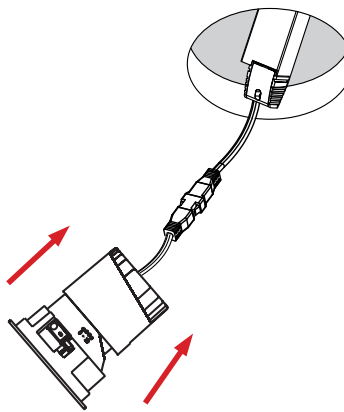
4

wire the mains to the LED driver and connect to the LED downlight using the provided connector



5

insert the LED downlight into the ceiling and make sure the brackets are anchored and in place once inserted.



6

once installed and aimed at illumination point, fix the product in place using the hex key in the box



match the fixing positions to install the plastic reflector back in place



7

You're done!



1 LED engines for all use cases!