

LYRA 36 NANO

New dimensions of light



LED LINEAR™
lighting solutions

Member of the
Fagerhult Group

LYRA 36 NANO

STYLISH AND AESTHETIC

- After the successful launch of LYRA, the market asked for a luminaire in the same elegant design, in larger form factor. A 36 mm diameter offers pleasing proportions while enabling the integration of the nano optics in a round cross-section. That together make the essence of LYRA 36 NANO.
- The combination of a high quality chip scale package LEDs (CSP) and NanoRay technology offer a high light quality and CRI plus an optimal light distribution. An antiglare louver was implemented in order to create an invisible light source.
- LYRA 36 NANO is an upsized LYRA with multiple areas of use. It can be mounted as a pendant or surface solution. The merger of MARS and LYRA creates a product where great features such as antiglare louver, nano optics and the elegant round design form a beautiful general application.

KEY FEATURES

LENS TECHNOLOGY

Nanometric lens optics technology implements advanced 15°, 25°, 40° or 65° optics, offering an optimized light control with minimal color over angle. In combination with a stylish antiglare cover, available in black and white, an excellent glare reduction is guaranteed with an UGR < 13 which overall cover a large variety of applications.

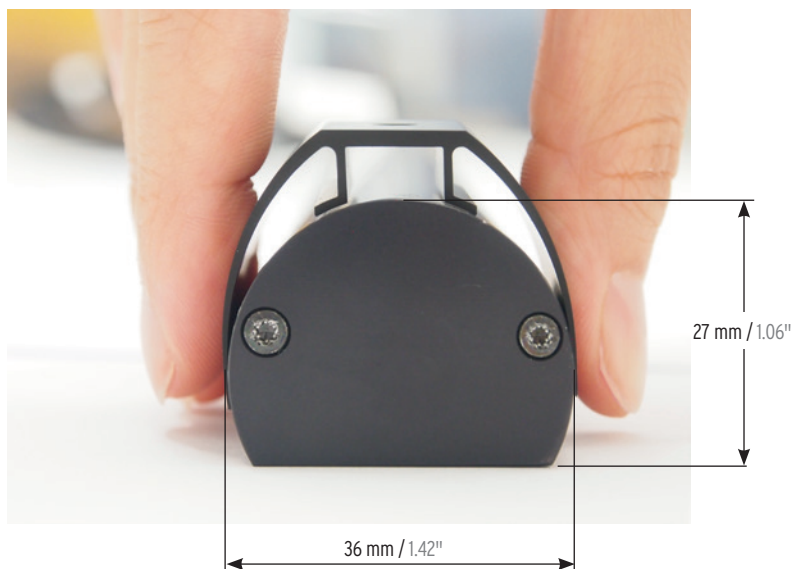


KEY FEATURES

FORM FACTOR & PERFORMANCE

The elegant round luminaire with a diameter of 36 mm (1.42") is made of extruded, anodized aluminum and screwed aluminum end caps. It is available in silver or black profile color. LYRA 36 NANO is configurable in length up to 4,014 mm (13.2').

The implementation of an high end tape and the premium color rendition with a CRI of 95 ensuring a remarkable light quality with lumen output up to 3,590 lm/m (1,090 lm/ft). It offers a versatile general and task lighting solution with an unconventional form factor.



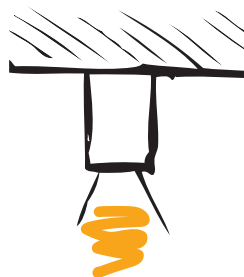
KEY FEATURES

INVISIBLE LIGHT

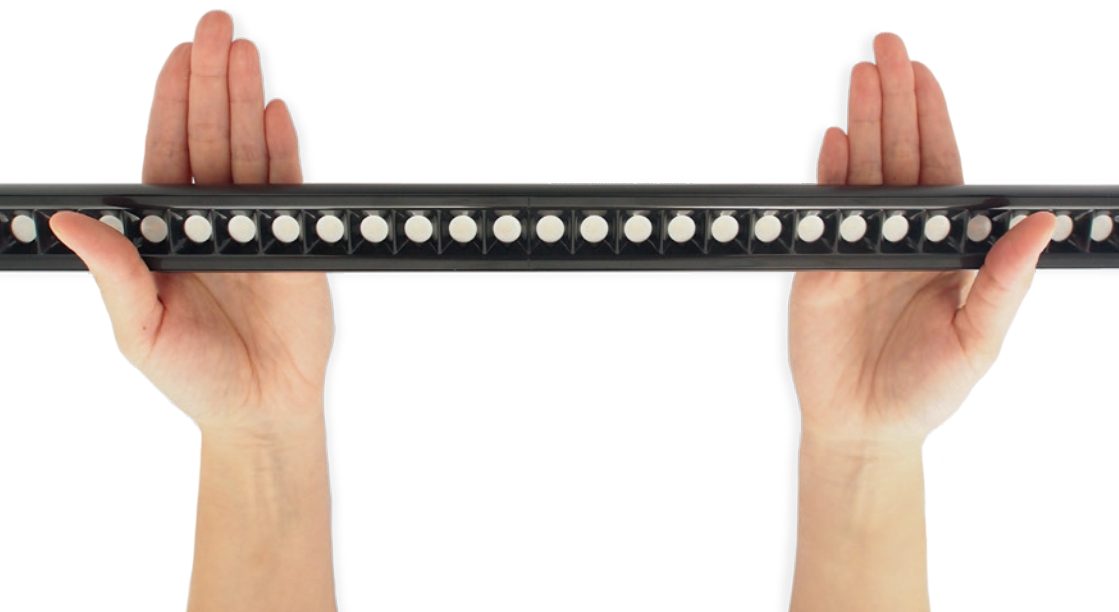
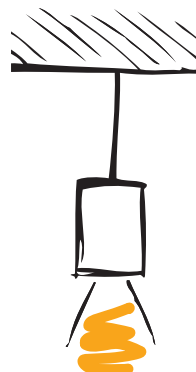
LYRA 36 NANO offers great light and visual comfort while keeping the actual light source out of sight. The elegant louver minimizes the glare in order to set the accent on the illuminated scene. The light is aimed where desired setting a lighting environment which appears fixture-free.

Its elegant and minimal-invasive mounting clips offer an easy installation as pendant or surface-mounted luminaire. LYRA 36 NANO can be swiveled by almost 360°. The delivery will be with 2 m (6.56') open end black cable.

Surface



Pendant



TECHNICAL DATA

- Lumen output ranging from 380 lm/m (120 lm /ft) to 3,590 lm/m (1,090 lm/ft)
- Color temperature 2,200 K - 5,000 K
- CRI up to 95
- UGR < 13
- Optics: 15°, 25°, 40°, 65°
- Efficiency up to 125 lm/W
- IP40
- Lifetime 60,000 h L80/B10
- Available in IQ White

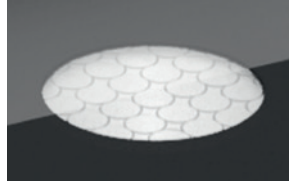
All figures of LYRA 36 NANO reflect LED Linear's core design value: Modularity. It offers a high flexibility to lighting designers and architects, making its implementation possible in many architectural concepts. This range of possibilities make LYRA 36 NANO a great product for general illumination and the design of this luminaire suits perfectly in high end environments.

LIGHTING INNOVATIONS

NanoRay

LED LINEAR™ TECHNOLOGY

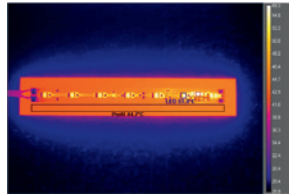
In order to guarantee homogeneous light and limited color over angle, the LED Linear™ NanoRay technology was developed. It enables the design of complex optical system with minimal dimensions achieving results only previously possible using large optics. These nanoscale lenses provide an accurate beam control and no direct view to the LEDs.



Tj Away®

LED LINEAR™ TECHNOLOGY

LYRA 36 NANO embeds the LED Linear™ Tj Away® technology which provides optimal heat dissipation of the LED to the housing profile. This enables the miniaturization of the luminaire's footprint while ensuring an extended lifetime compared to conventional LED technologies.



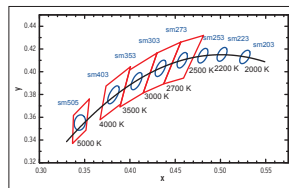
Experimental setup: 40 W/m (12 W/ft) LED tape with thin flexible PCB mounted on flat aluminum plate LED temperature does not exceed 60°C (140°F).



**ONE
BIN
ONLY**

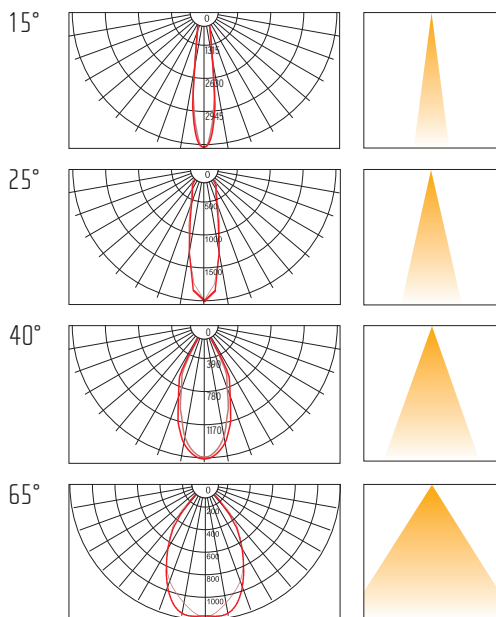
Color consistency plays a key role as much as homogeneity in any linear lighting application. To ensure an outstanding quality of the light, LED Linear™ introduced One Bin Only

which ensures that all LEDs used in our luminaires are picked from one bin centered on the target CCT within a 3 step MacAdams Ellipse. They are used to determine visual color deviations and indicate differences in light color of individual LEDs. Three step MacAdam ensures a color variation unnoticeable by the human eye and therefore an optimal lighting quality.



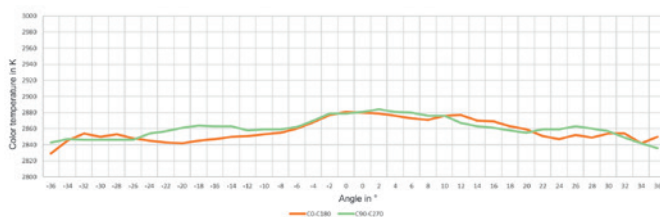
Black Body Curve —
LED Linear™ Binning —
ANSI Binning —

OPTICS



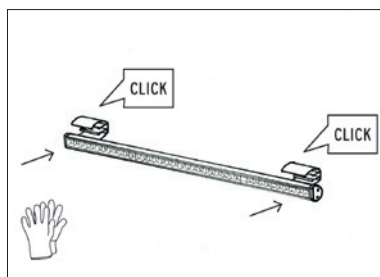
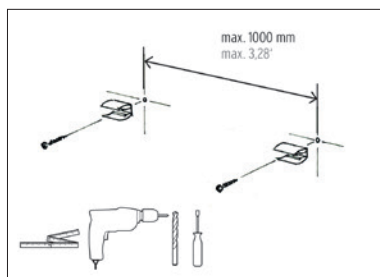
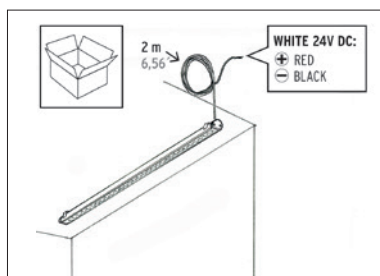
COLOR OVER ANGLE

To keep the lighting scene as homogeneous and consistent as possible, it is mandatory to keep a minimal change of correlated color temperature (CCT) over all lines of sight. The NanoRay technology enables an accurate control of the light in order to minimize changes of CCT over the entire light scene. As shown in the graph, the consistency of light color is remarkably high over the entire beam spread.

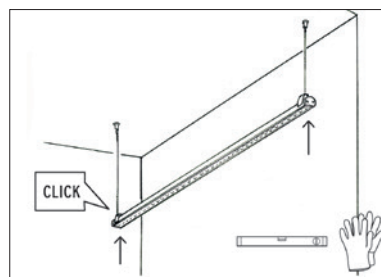
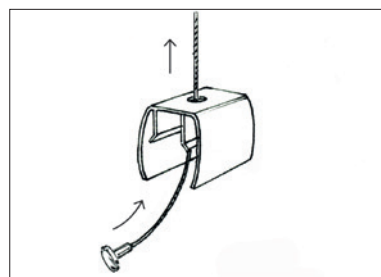
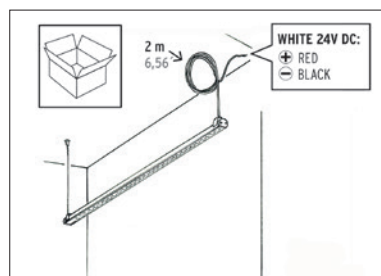


MOUNTING

SURFACE MOUNTED



PENDANT



REFERENCES



LYRA 36 NANO is equipped with an antiglare louver, limiting the perceived glare. For general illumination, e.g. in offices, this is an advantage since it puts focus on the illuminated target and not on the luminaire itself.



The design of LYRA 36 NANO suits perfectly in high end environments. Flagship stores and showrooms are perfect areas of use.



