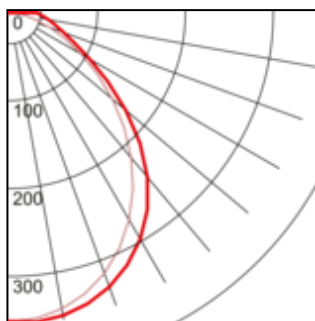
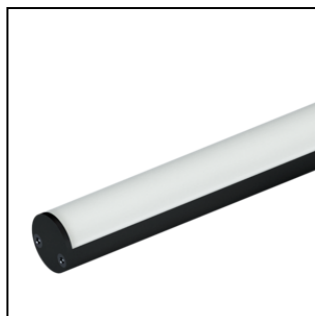


LYRA White High CRI LD IP40

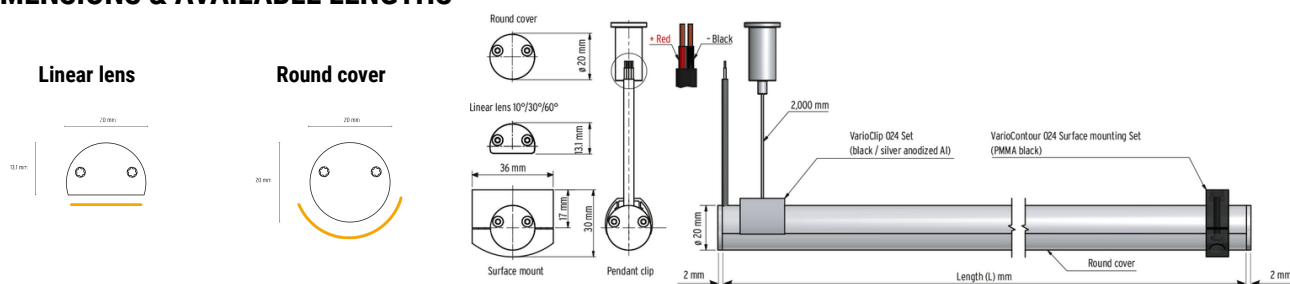
Order code: LYRA NEX LD10 W930/1010-B-DR IP40

TECHNICAL SPECIFICATIONS

Length	1,010 mm
Color temperature (CCT)	3000 K
CRI	up to 95
R9	up to 86
Lumen (Luminaire)	670 lm
Lumen/Meter	670 lm/m
Power of luminaire	9.7 W
Power	10 W/m
Efficiency	102 lm/W
Housing color	Black
Optics	Round cover, diffuse
Case Temperature (T _{cmin} & T _{cmax})	T _{cmin} = -25°C, T _{cmax} = 80°C
Storage Temperature (T _{smin} & T _{smax})	T _{smin} = -30°C, T _{smax} = 85°C
Ambient Temperature (T _{amin} & T _{amax})	T _{amin} = -25°C, T _{amax} = 50°C
Ingress protection	IP40



DIMENSIONS & AVAILABLE LENGTHS



Fixture build to length (not field cuttable): $L = (N \times 125 \text{ mm}) + 10 \text{ mm}$; $N = 1 \dots$ (as follows); $L_{\min} = 135 \text{ mm}$; LD5/LD10/LD15: $N_{\max} = 32$; $L_{\max} = 4,010 \text{ mm}$; LD25: $N_{\max} = 24$; $L_{\max} = 3,010 \text{ mm}$

LYRA White High CRI LD IP40

Order code: LYRA NEX LD10 W930/1010-B-DR IP40

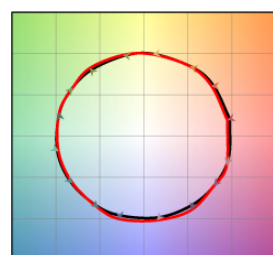
SPECIFICATION TEXT

24 V linear LED luminaire in IP40 in a round, stylish aluminum profile with a diameter of only 20 mm. Extruded and anodized aluminum housing profile and screwed aluminum end caps available in silver or black color. Can be surface-mounted or pendant and swiveled by almost 360°. Delivered with 2 m open end black cable. Allows the use of 3 round covers in clear, diffuse and opal for soft light lines and 3 linear optics with 10°, 30° and 60° for precise light control. Assembled using state of the art automated Reel-to-Reel (R2R) production process supporting LED Linear™ Tj Away® thin flexible circuit board technology.

In combination with Chip Scale Package LEDs (CSP) a thermal resistivity of 5.33 K/W is achieved for an optimal heat dissipation (junction to profile) which guarantees an outstanding lifetime of > 60,000 hrs (L80/B10). Embeds high quality CSP LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an extended photometric code of Wxxx/339 ensuring an exceptional color consistency over the rated lifetime. Premium color rendition with a CRI of 95 (R9 = 86) and TM-30-15 up to $R_f = 92$ / $R_g = 101$ ensuring a remarkable light quality. Consistent light intensity all along the luminaire length is obtained thanks to active current regulation operated by dedicated integrated circuits (ICs) on each step. Protected against electrostatic discharge +/- 2,000 V and polarity miswiring. Fully PWM dimmable for frequency > 0 Hz up to 2 kHz (flicker free for frequency higher then 1.2 kHz according to IEEE P1789 standard). Engineered and produced in Germany.

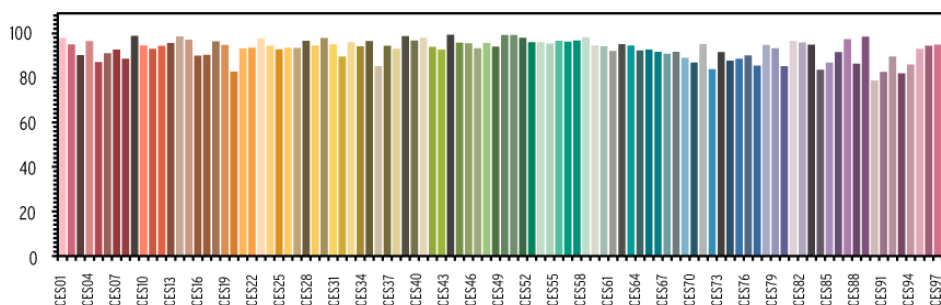
TM30-15

Color vector



Reference illuminant —
 Test source —

Color evaluation

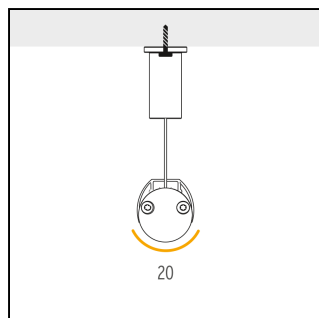


LYRA White High CRI LD IP40

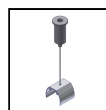
Order code: LYRA NEX LD10 W930/1010-B-DR IP40

MOUNTING ACCESSORIES

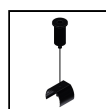
1. Pendant



Mounting accessories



VarioPendant 024
Ceiling SET
Pendant set Silver for
Contour 024
Art.-#: 13000161



VarioPendant 024
Ceiling Black SET
Pendant set for
Contour 024
Art.-#: 13000161-SCH



VarioCANOPY Square
Mounting set
(optional) for pendant
ceiling installations
on concrete ceilings
Art.-#: 16000347

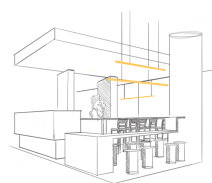
Description

Pendant set for installations directly on the ceiling. 2 m wire is cuttable on site.

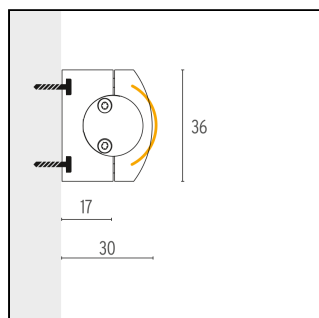
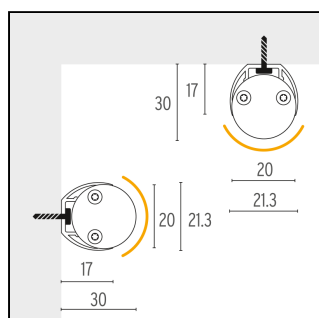
Pendant set for installations directly on the ceiling. 2 m wire is cuttable on site.

Pendant set with screws for installations directly on the ceiling. Recommended to use every 1 m.

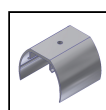
Example of application



2. Surface-mounted



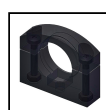
Mounting accessories



VarioClip 024 Silver
Mounting clip for
Contour 024
Art.-#: 13000160



VarioClip 024 Black
Mounting clip for
Contour 024
Art.-#: 13000160-SCH



VarioContour 024
Surface Mounting Set
3 parts
Art.-#: 13000162

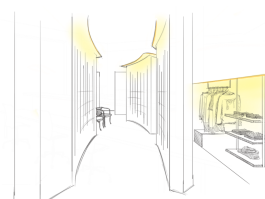
Description

Surface mount clips with screws for installation directly on the wall or ceiling. Recommended to use 2 clips per meter.

Surface mount clips with screws for installation directly on the wall or ceiling. Recommended to use 2 clips per meter.

Surface mount set with screws for installation directly on the wall or ceiling. Recommended to use 2 clips per meter.

Example of application



LYRA White High CRI LD IP40

Order code: LYRA NEX LD10 W930/1010-B-DR IP40

POWER SUPPLY UNIT (PSU) & CONTROLS

Recommended PSU

VarioPSU 24V/35W IP20, DALI/SWD
Art.-#: 16000241



Dimensions (L x H x W): **195 mm x 30 mm x 43 mm**
Electrical Class: **SK II**
LED Drive: **CV**
Voltage (V): **24**
Rated Power (W): **35**
Input Voltage (Vac): **220 – 240**
Region: **EU**
Certificates: **ENEC, EAC**
Schutzart: **IP20**
Indoor/Outdoor: **Indoor**

Recommended Control

IN.finite™ DALI® DT6 2CH CV ULT
Art.-#: 16000268-DT6-ULT



Dimensions (L x H x W): **188 mm x 21 mm x 30 mm**
Channels: **2**
Dimming Options: **DALI**
Dimming: **PWM (f ~ 200 Hz)**
Dimming Curve: **Logarithmic**
Dimming Range: **100% – 0%**
Voltage (V): **12 – 50 V**
Certificates: **CE**
Schutzart: **IP20**
Indoor/Outdoor: **Indoor**

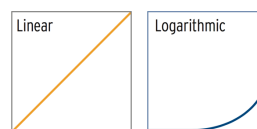
Recommended PSU

VarioPSU 24V/30W IP20, ON/OFF
Art.-#: 16000368



Dimensions (L x H x W): **246 mm x 16 mm x 30 mm**
Electrical Class: **SK II**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **30**
Input Voltage (Vac): **220 – 240**
Region: **EU**
Schutzart: **IP20**
Indoor/Outdoor: **Indoor**

Dimming



Recommended PSU

VarioPSU 24V/30W IP20, ON/OFF
Art.-#: 16000364



Dimensions (L x H x W): **165 mm x 30 mm x 40 mm**
Electrical Class: **SK II**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **30**
Input Voltage (Vac): **220 – 240**
Region: **EU**
Schutzart: **IP20**
Indoor/Outdoor: **Indoor**

LYRA White High CRI LD IP40

Order code: LYRA NEX LD10 W930/1010-B-DR IP40

VOLTAGE DROP INFORMATION FOR THE FEED-IN LINE (PSU / CONTROL TO FIXTURE)

Single

Power (Fixture)	9.7 W						
Cable cross section	0.25 mm ²	0.34 mm ²	0.5 mm ²	0.75 mm ²	1 mm ²	1.5 mm ²	2.5 mm ²
AWG (US)	23	22	20	18	17	15	13
Max feed-in length	14.7 m	20 m	29.5 m	44.2 m	58.9 m	88.4 m	147.3 m

Multiple

Fixture length	1.0 m						
Maximal run length at this power level*	5.0 m						
Feed-in cable cross section level	0.25 mm ²	0.34 mm ²	0.5 mm ²	0.75 mm ²	1 mm ²	1.5 mm ²	2.5 mm ²
AWG (US)	23	22	20	18	17	15	13
Max feed-in length	2.8 m	3.8 m	5.7 m	8.5 m	11.4 m	17.1 m	28.5 m

Calculation refers to the cable configuration on site.

The information listed in the table is only refers to the conductor-based voltage drop of max. 0.85V at 24V DC input voltage.

Regarding the electromagnetic compatibility (EMC) the maximum cable length is defined by the power supply manufacturer.

A cable length between power supply and planned product longer than indicated by the datasheet of the power supply is possible. However the electromagnetic compatibility can then be influenced by the conditions of the installation site. There is no data on electromagnetic compatibility for longer cable lengths, which might lead to the necessity of an evaluation of the electromagnetic compatibility by a third party.

Datasheets and mounting instructions of the components in combination with the planned product must be carefully read and followed.

* The remaining 4.0 m admissible to reach the maximal run length with one feed-in can be completed by configuring LYRA White High CRI LD IP40 with the same LED Tape in other lengths.

WIRING DIAGRAM

Typical Wiring – Monochromatic

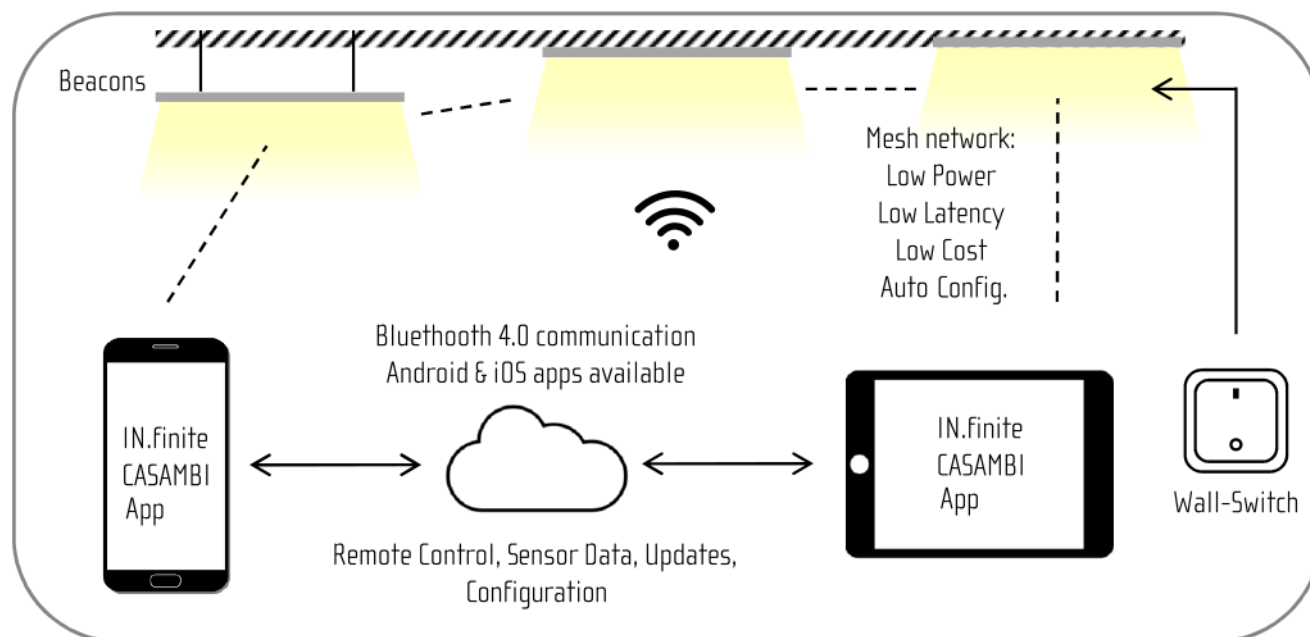
* Detailed information on the wiring of the control line is shown in the datasheet of the desired control gear

LYRA White High CRI LD IP40

Order code: LYRA NEX LD10 W930/1010-B-DR IP40

TYPES OF ANALOG & DIGITAL CONTROL

DMX	DALI	CASAMBI BLE	DMX/RDM	1-10V	Switch-DIM
Digital control system which is particularly suitable for RGB and IQ White applications. With this system it is possible to dim luminaires and to set soft color gradients just in the range RGB.	Digital control system which is suitable especially for White and IQ White applications. With this system it is possible to dim the luminaires and to adjust soft gradients in the range White and IQ White.	Digital control system based on Bluetooth LE which is particularly suitable for applications in which a smart remote control is required. With this system it is possible to dim luminaires and to adjust soft gradients in the range White, IQ-White and RGB.	Digital control system which is particularly suitable for RGB and IQ White applications. With this system it is possible to dim luminaires and to set soft color gradients just in the range RGB.	Analog control system which is suitable for White applications. With this system it is possible to dim luminaires with a potentiometer via a control voltage (SELV).	Analog control system which is suitable for White applications. With this system it is possible to dim luminaires using commercially available switches on the mains voltage.



Quick start guide wireless Communication

Casambi Technologies' wireless lighting control solution is not just a lighting control system - Casambi is a technology based on Bluetooth Low Energy, Casambi has developed an own proprietary mesh network where all the intelligence of the system is replicated in every node and in such a way creates a system with no points of failure. The solution is selfhealing and self-organizing. In this kind of fully distributed and symmetric architecture any IN.finite Casambi unit can go offline and catch up from others when they return back online.