



## KLUS HOME INTEGRATION CATALOG

Corner Mount  
Surface Mount  
Recessed  
Suspended  
Cove  
Specialty



EXTRUSION 45-16

EXTRUSION 45-16

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**LED Tapes**

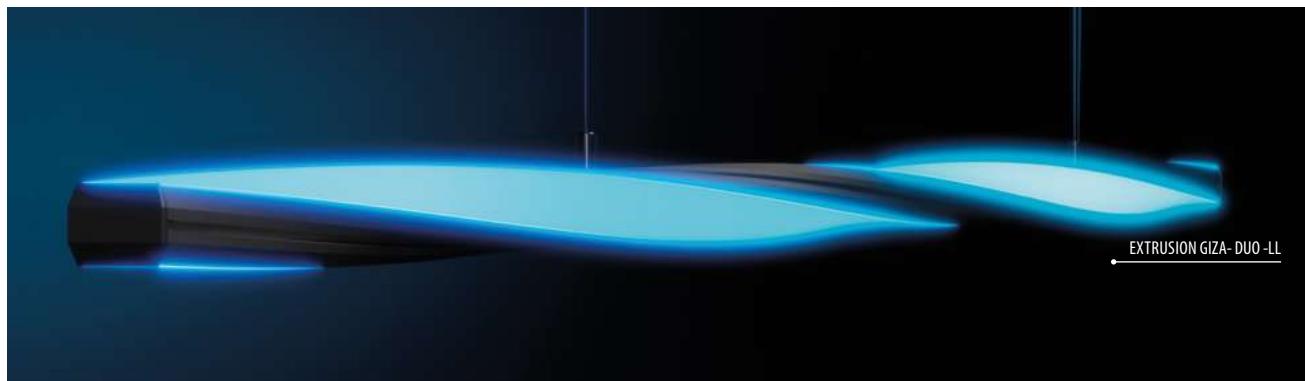
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### WHY **KLUS**®

KLUS is the industry leader in providing limitless creative design solutions through the use of aluminum extrusions, covers, tapes and accessories. KLUS was an early adopter of LED technology and has specialized in designing and manufacturing LED lighting systems since 2006. Our sole focus is to deliver the highest quality products and services to customers worldwide.



### WHY **KLUS**®

KLUS offers the widest selection of extrusions and covers for interior and exterior applications. We feature a wide range of sizes with many having the capability to be bent and twisted to create unique aesthetically pleasing creations.

KLUS extrusions are double anodized which provide:

- Surface protection from corrosion and abrasions
- Enhanced electrical insulation
- Better surface adhesion so the tape stays securely in place
- Enhanced aesthetic capabilities

### WHY **KLUS**®

KLUS product design and engineering of components allows for superior and precise fit and finish. Your designs and installations will feature tight mitered corners with no light leaks and connecting components manufactured to tightly join segments together and hold everything in place so it looks amazing.

### WHY **KLUS**®

KLUS offers LED solutions for almost every application. This catalog highlights our most popular products to provide visually interesting solutions for:

- Media space lighting
- Ambient lighting
- Niche, cove and perimeter lighting
- Stairs and handrails lighting
- Kitchens / baths lighting
- Closet lighting

### WHY **KLUS**®

A trusted partner that is invested in your success. Every member of the KLUS team is knowledgeable and dependable with a single-minded focus on providing unsurpassed customer service.



EXTRUSION GIZA- DUO -LL

## LED TAPE LIGHT AND THE BENEFITS OF ALUMINUM EXTRUSIONS

LED tape lighting solutions has become the go to light source for many projects around the house as well as commercial applications. In order to get the best performance and look, LED tapes should always be used in conjunction with a specifically designed aluminum extrusion and cover.



### WHY IS AN ALUMINUM EXTRUSION SO IMPORTANT?

#### PROTECTION

Placing the LED tape in an extrusion protects it from dust, dirt and abrasions

#### EASY INSTALLATION

Most extrusions can easily be cut to size and installed quickly

#### PERFORMANCE

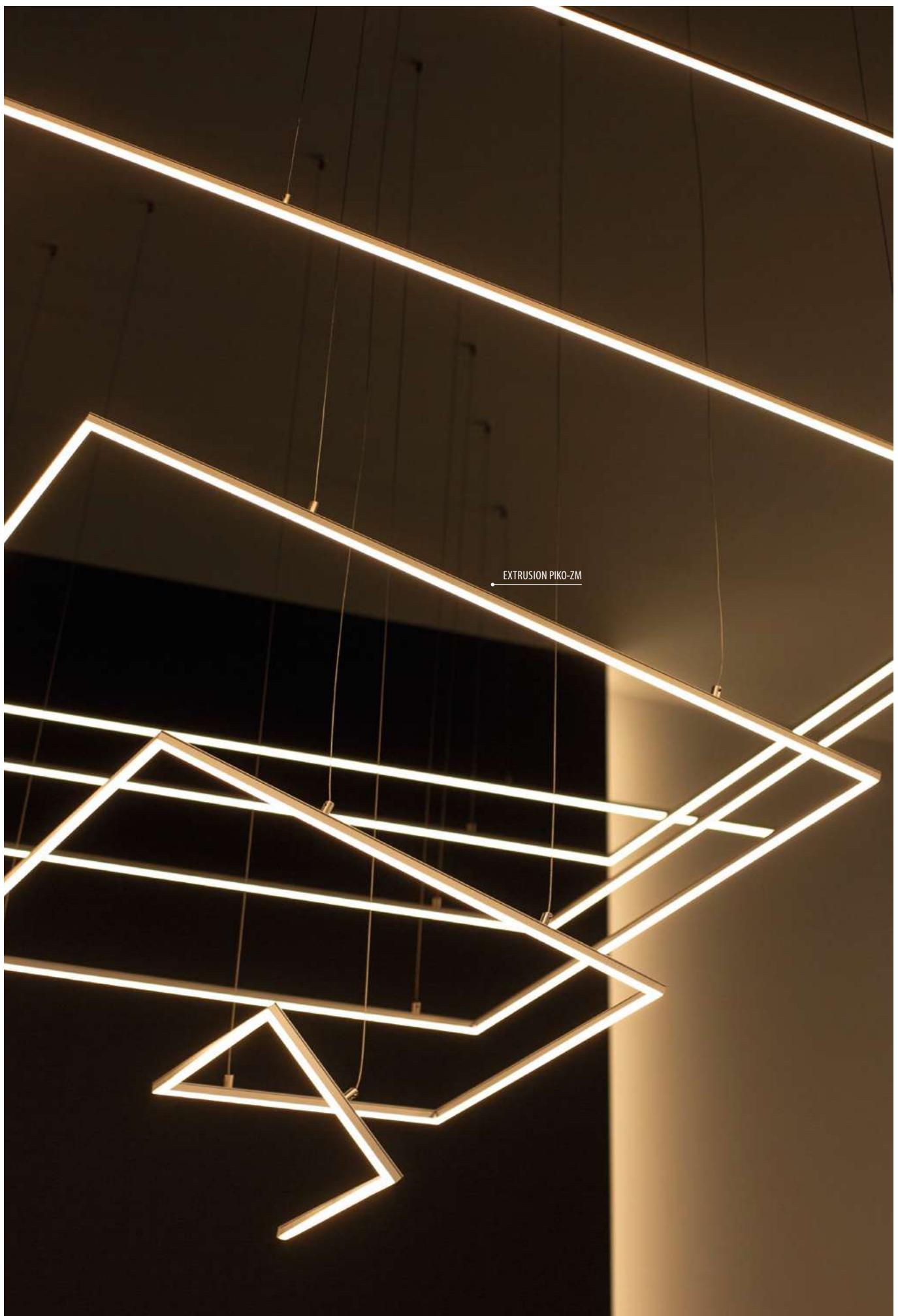
Extrusions dissipate heat generated by the LED tape and enhances the long life benefits of the LED technology

#### AESTHETICS

When combined with the ideal extrusion and cover combination, the resulting light is an even illumination across the face of the fixture with no hot spots or visible diodes. The result is diffuse, soft, pleasing light.

#### SMALL SCALE

Extrusions eliminate the need for larger, more obtrusive, traditional light fixtures, and can be configured to direct light towards a specific area, and in many different lighting angles.



**COVERS****SATIN**

Satin Covers are dedicated to creating a line of light. A line of light is easily achievable with KLUS' satin covers due to excellent diffusing properties and light without visible dots if paired with the proper extrusions and tape light. The satin covers are high quality, provide uniform cross-section and high flexibility.

**CLEAR**

Recommended for applications that require an indirect light source, meaning that light fixture is being used to back-light an object, rather than have the human eye look directly into the light fixture. KLUS does offer a series of different clear covers, including the HS Cover Clear which has double-sided UV Protection (very good to resistance to weathering), very good mechanical resistance, good class of refractory-resistance.

**BLACK**

The black covers is intended for places where the surface of the cover should match dark lighting fixtures and surrounding elements. The CCT or Kelvin temperature is not affected by the Black Lens cover, however lumen depreciation is almost half, and a higher lumen output tape light would need to be considered and most likely doubled to reach the specified lumen requirements.

**FOCUSING**

KLUS offers Focusing Covers, which are lens covers designed to give the possibility of focused light, for obtaining a variety of light ranges depending on the extrusion used. For example, KLUS SATIN-S Focusing cover has a satin finish that eliminates individual light streaks and provides a homogenous line of light. It is characterized by its high transparency, quality and uniform cross-section.

**TECHNICAL**

KLUS also offers Technical Covers, which are a simple insert used for the protection of the inside of the extrusion/profile during wet works, prevents the extrusion/profile deformation during installation, and also has the possibilities of multiple use. Tech covers are easy to assemble/disassemble for snapping in and out.



EXTRUSION PIKO-ZM

## A CLEAN LINE OF LIGHT

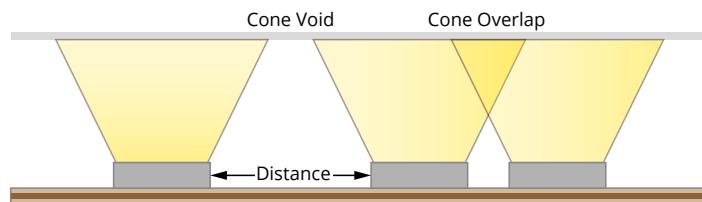
When looking to create that amazing look with KLUS LED's, the first question may be, where to begin? The answer depends on several factors including where the LED lighting is going to be placed. Is it going to be in direct view or is it going to be indirect view?

One of the more important requirements of LED lighting in direct view, is to achieve "a clean line of light" or in other words, no visible diodes from the LED tape light and an even illumination across the face of the fixture. Distilling this design constraint down to its basic components produces: Cones of Light and Covers. Expanding on these two characteristics gives us four elements of control when specifying a fixture: Cover type, LED spacing, LED output, and Cover to LED spacing.

## COVER TYPE

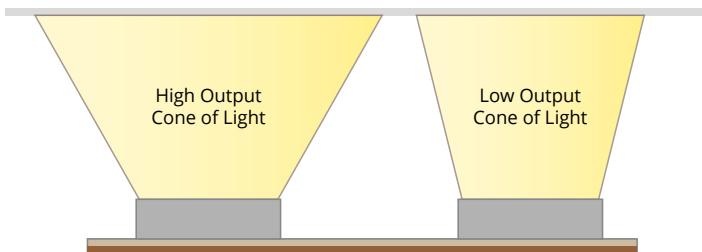
There are many types of covers, each with specific design features for different applications. In this section, lenses and covers are used interchangeably. Generally, the two types of lenses are clear or frosted. Clear lenses can be immediately excluded from this "line of light" discussion, since our focus is not to see the diodes.

Of the frosted lenses, their material compositions and features may vary. The combination may be to maximize light diffusion, to minimize UV light damage/transmission, or to provide a low-cost option. Since our goal is to get a clean line of light, we'll want to select a frosted cover that will maximize light diffusion.



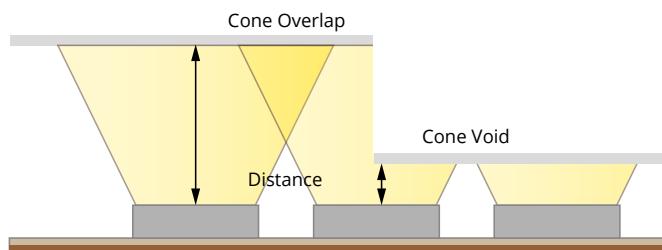
## LED SPACING (SHOWN ABOVE)

LED spacing (shown above) – This refers to the distance each individual diode, on the LED tape, sits from one another. This is provided in the LED tape spec-sheet in a couple of different ways: as diodes per foot value or as a measurement (inches or mm). As shown above (left), there are two diodes spaced so that their cones of light do not overlap at the cover. They instead create a void of light at the cover. A higher diode per foot count (right) shows the cones of light overlapping at the cover. Overlapping cones of light at the cover will help produce the clean line of light look.



## LED OUTPUT

This can be measured in either a lumen per foot value or a wattage per foot value. In most cases, with LED tape lighting, the two are linked. Without getting into the physics of light and how a higher output affects the cone, we're going to generalize from averages, that as the output level is increased, the cone of light will grow wider. As the output level is lowered, the cone of light will recede.



## COVER TO LED SPACING

This refers to the distance the cover sits from the LED tape inside the LED fixture. From the image above, it can be shown that keeping all things equal (LED spacing, Cover type, and LED output) as you vary the distance from the cover to the LEDs the product of light can be modified from overlapping (left) to voids (right).

Now that we have presented the four elements that govern the clean line of light, we can provide our go to solution to achieve this look. Here at KLUS, the cover that maximizes the light diffusion the best, is our LIGER Frosted lens. Our highest diode per foot LED tapes, currently come with 81 diodes per foot (K-CR-1820-HD-24V or K-CR-1910-HD-24V), and they also have great output values. With three of the four elements optimized, using the above, a clean line of light can be achieved with many of our extrusions and the LIGER frosted cover.



### WHAT IS LED TAPE / WHAT ARE LED LIGHTS?

Also known as LED Light Strips, Flexible LED Strips, or LED Strip Lights, LED tape is a flexible circuit board with integrated light emitting diodes (LEDs).

LED Tape lights are highly versatile in their use and applications. LED light strips can be mounted inside housings, channels, or guides called LED extrusions. The extrusion acts as the connector between the light source and the application area - maximizing the applications and uses available for LED light strips while also acting as a heatsink to prolong the life of the LED tape.

LED strips lights come in a variety of voltages, lengths, color temperatures, lumen outputs, quantities per foot, and beam angles. Some LED light strips are coated in gel, or silicone to achieve an IP 65 index rating making them suitable for outdoor use, resistant to moisture, dirt and debris.

Another important aspect of LEDs is their CRI value. The color rendering index (CRI) of a light source is a measurement of its ability to reproduce the colors of various objects faithfully in comparison with a natural light source and to show the object's colors realistically or naturally compared to daylight.

### WHAT MAKES A QUALITY LED TAPE AND WHY KLUS BRAND TAPE?

KLUS' family of high-quality tapes begin with the LED diodes themselves. The diodes should feature a high CRI (as described above), a high R9 Value which measures the truest most vivid hue of red and a 2 or 3 step MacAdam ellipse which minimizes the chances of the color shifting over time.

The diodes should be adhered to a double layered flexible printed circuits (FPC) which guarantees good heat dissipation and has a bright white surface for better reflectivity. There should be 2-3 ounces of copper per meter for less voltage drop. Lastly, you should be able to "feel" the differences in tape by weight and thickness. KLUS tape is more than twice as thick as some competitive versions. In all cases, the thicker the tape, the better conductivity, the longer the life and the better performance.

### TYPES OF TAPE

There are many different types of LED tapes, each with unique properties for different solutions and applications. The most common types include:

- Standard Static White – solid color white light usually for indoor applications (IP20)
- Static Color – diodes are all one color (i.e., red, blue, green, etc.)
- Adjustable White – automatically changes the intensity and color of a white tape (2200K – 5000K)
- Dim to Warm – automatically adjusts the color temperature in the warm color range (1800K – 3000K)
- High Density (HD) – more diodes spaced closer together provides even illumination
- RGB & RGBW – uses individual red, green & blue LED diodes, that mix to create multiple colors with the help of an RGB controller
- Gel Coated and Silicon Sleeved – for outdoor applications where water intrusion is a threat and to achieve IP65



All LEDs are **UL LISTED** which guarantees their high quality.

### 7 YEARS OF COMFORT WITH LIGHTING FROM **KLUS**



Industry leading 7 year warranty for most KLUŚ LED strips. L70 over 50.000 hours.

\* The full range of KLUŚ products covered by the 7-year warranty can be found in the document: Warranty and Return Policy on the website.



One of the essential parameters of LEDs is CRI – Color Rendering Index. It is a quantitative measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural light source. Our LEDs have one of the highest CRI values of 95+ CRI with R9 values up to 98.

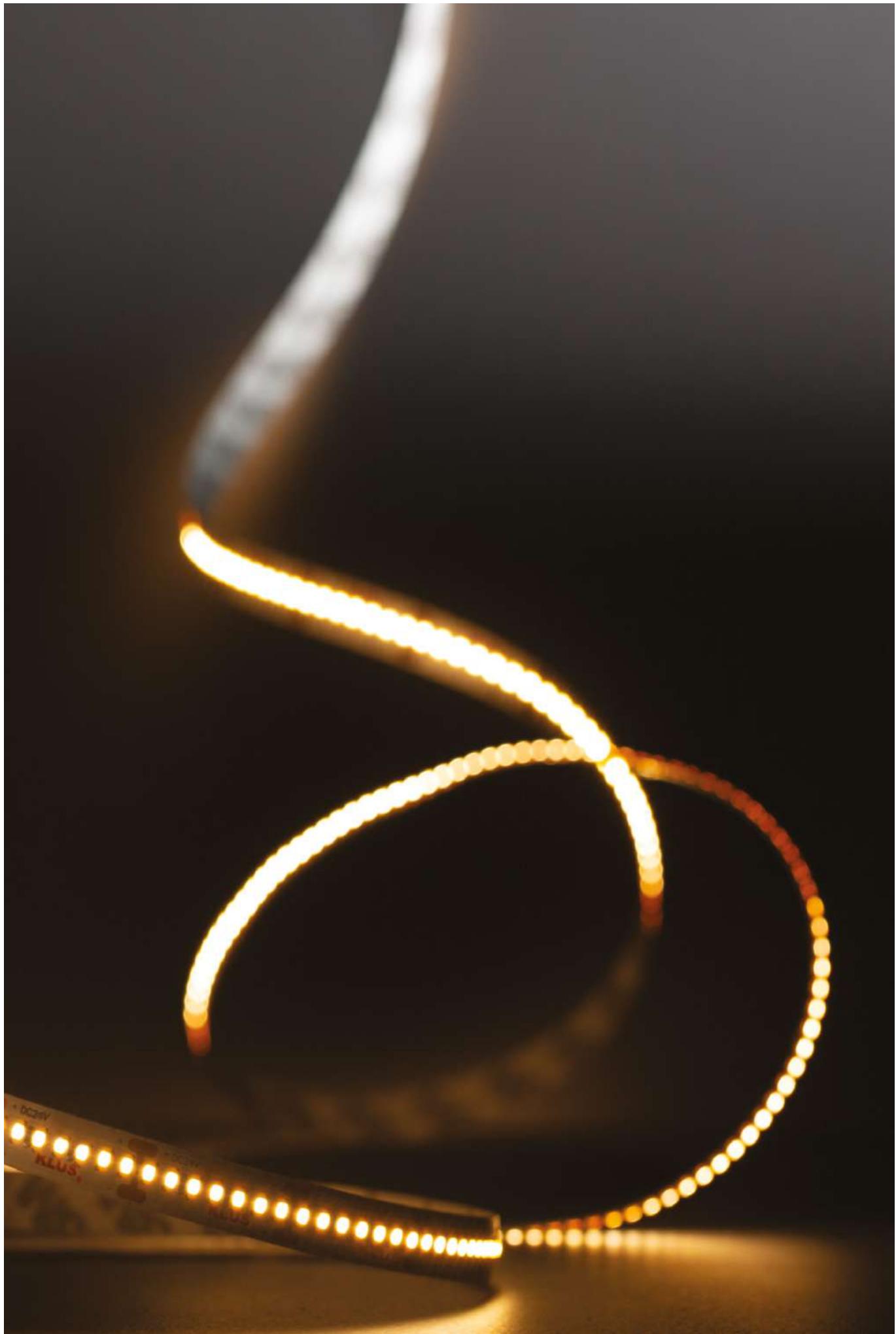
We offer a wide selection of LED strips with colors ranging from warm white 2200K to cool white 5000K. Custom colors are available as well. RGB LED strips can reproduce a broad array of colors that can be controlled with the use of an RGB controller.



Water Resistance rated LEDs can be used in an outside setting and are water-resistant.

### EASY ASSEMBLY

We also offer various accessories for our LED strips that enable their easy assembly. Accessories include: connectors that allow connecting LEDs without soldering, wires with female and male connectors, dimmers and remote controls. The KLUS offer includes over 90 different aluminum extrusions. All LED strips are dedicated and fit into KLUS extrusions which have versatile applications and can be mounted to various surfaces such as: drywall, wood, grooves as well as areas hardly accessible for mounting tools.



## KLUS TAPE FEATURES

### HE Series

- CRI 95+ / R9 values up to 99
- Efficiency up to 143 lm/W
- Lumen output up to 837 lm/ft
- IP64 clear coat/IP65 Silicone Sleeve
- Superior color consistency and dimming performance
- For use in applications where a high efficiency line-of-light output is desired

### CRI Series

- CRI 95+ / R9 values up to 99
- Efficiency up to 87.5 lm/W
- Lumen output up to 385 lm/ft
- IP20/IP65 Gel-Coated/IP65 Silicone Sleeve
- 2-Step MacAdam ellipse, single binning
- Superior color consistency and dimming performance
- For use in standard LED Lighting applications

### HD Series

- CRI 95+ / R9 values up to 99
- Efficiency up to 112 lm/W
- Lumen output up to 527 lm/ft
- IP20/IP65 Gel-Coated/IP65 Silicone Sleeve
- 2-Step MacAdam ellipse, single binning
- Superior color consistency and dimming performance
- For use in applications where a line-of-light output is desired

### ADJ Series

- CRI 90+
- Efficiency up to 86 lm/W
- Lumen output up to 500 lm/ft
- IP65 Silicone Sleeve
- 3-Step MacAdam ellipse, single binning
- Superior color consistency and dimming performance
- For use in applications where CCT color adjustability is desired

### RGB Series

- Lumen output up to 190 lm/ft
- IP20/IP65 Gel-Coated/IP65 Silicone Sleeve
- 3-Step MacAdam ellipse, single binning
- Superior color consistency and dimming performance

## TAPE TERMINOLOGY

### CRI – Color Rendering Index

The color rendering index (CRI) is a way to measure the quality of light that is shining on objects in a room. This measurement is key in helping identify which light outputs will reproduce the colors around the area accurately.



### LED Life – Longevity L70

The lifetime of the LED is defined as the lighting time during which the luminous flux will not drop below 70% of the initial value. Longevity defined in this way is marked with the symbol L70.

### MacAdam Ellipse or SDCM

A measure that indicates the level of diode sorting. Despite the fact that they are manufactured according to the same specifications, LEDs have a natural color temperature spread. The MacAdam ellipse indicates how the light color of individual LED chips differs from one another.

## KLUS TAPE CERTIFICATES



## KLUS POWER SUPPLIES

KLUS offers a full line of power supplies ranging from 20w to 300w to power our LED offerings. Whether you need a dimming power supply or a standard non dimming driver KLUS has you covered.

### DIMMABLE DRIVERS

The new Ultra Series drivers incorporate forward phase (TRIAC/MLV), reverse phase (ELV) and 0-10v dimming technology all in one. The ULTRA is a Constant Voltage Class 2 rated UL Listed driver. The drivers also have a built-in wiring compartment on both the input and output ends. These drivers are IP66 and UL2043 plenum rated and are suitable for both indoor and outdoor installations. With universal input voltage ranging from 120 to 277VAC, the ULTRA driver is designed for residential, commercial and industrial applications. The dimming driver delivers smooth flicker-free dimming down to 1% with most LEDs and are compatible with a wide variety of dimmers.

### NON-DIMMABLE DRIVERS

The KLUS Constant Voltage Driver is an electronic Class 2, non-dimmable LED driver with an integrated junction box, making it the perfect choice for tape lighting, tube lighting, linear lighting or incorporating into a whole home control system with our DMX module. The UL enclosure is rated IP66 for indoor or outdoor installations and includes a separate input and output wiring compartment, each with three  $\frac{3}{8}$ " knockouts for easy installation. These driver feature hiccup mode, over current and short circuit protection, as well as an efficiency rating over 84% resulting in low operating case temperatures.

### ADJUSTABLE WHITE / DIM TO WARM DRIVERS

Utilizing a wireless signal, this Driver requires only the same wire set as a standard LED Driver, reducing labor time and installation cost. Providing smooth, dimming down to 0.1% before total darkness, and softly tuning color temperature. This UL listed Class 2 Driver line has an integrated junction box with a separate input and output wiring compartment each with three  $\frac{3}{8}$ " knockouts for easy and safe installation

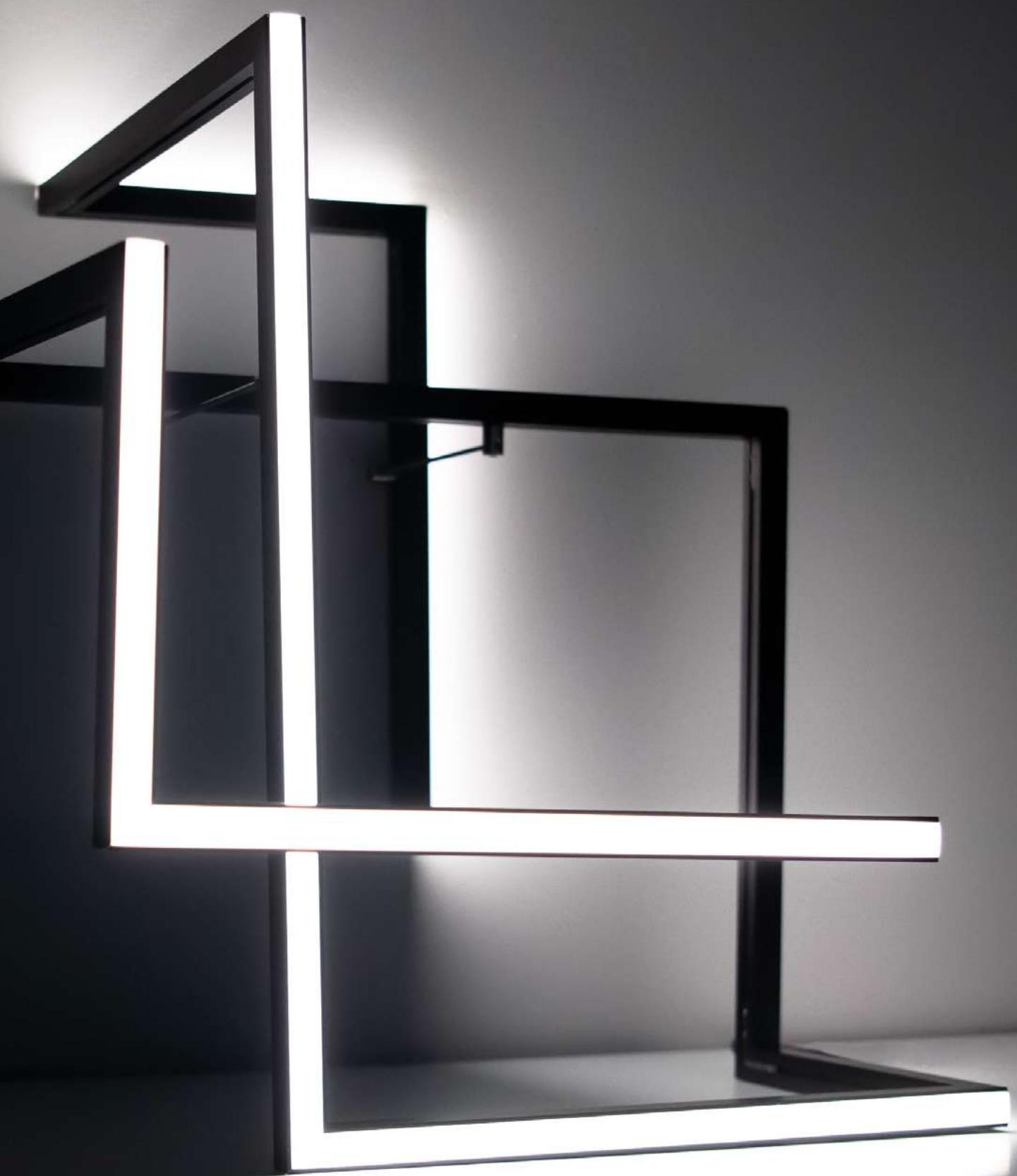
This system offers a single-switch, end-to-end approach, eliminating redundant components and compatibility issues for superior performance. With its wireless support, the system requires only the same wire set as a standard dimmer switch, reducing installation time and costs. Just plug and play to start customizing your lighting in moments. Device pairing takes place automatically when the light is first switched on, with no technical knowledge needed.



\*KLUS Products are not controller specific and will work with most of the control platforms on the market

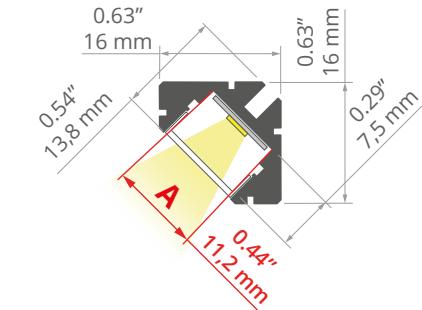


# EXTRUSIONS



## Corner Mount

45-16



### APPLICATION

- Multipurpose
- Designed for the construction of directional lighting fixtures
- For mounting on surfaces and in internal 90° corners
- Low profile 45 degree extrusion
- Perfect for undercabinet, casework and a variety of surface mount applications
- Can also be used to illuminate shelving

### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A08504A_2</b>	Silver anodized	78.9"	<b>B17064C_2</b> <b>B17037S_2</b> <b>B17037B_2</b>	Clear Satin Black	78.9" 78.9" 78.9"

### ACCESSORIES



\* Recommend 3 adjustable brackets or 4 standard brackets per 78" section

### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
92 - 170	1.6	<b>K-CRHD-0530-24</b>	24'
245 - 320	2.9	<b>K-CRHD-1910-24</b>	24'
299 - 370	4.4	<b>K-CR-1275-24</b>	32'
330 - 560	5.6	<b>K-CRHD-1820-24</b>	16' 4"



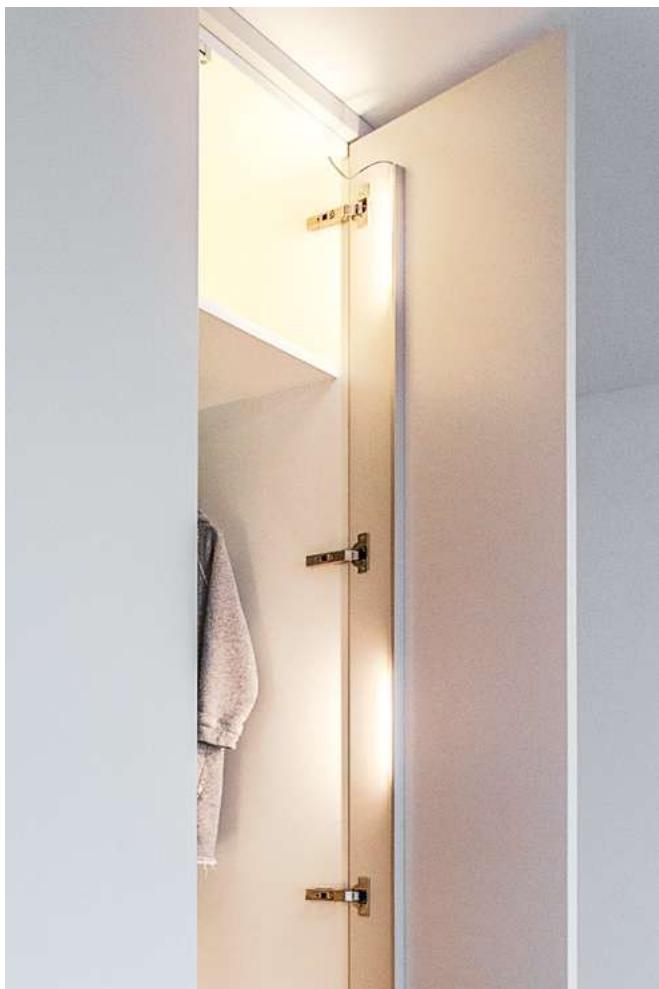
For more  
corner mount  
options:



Additional  
options

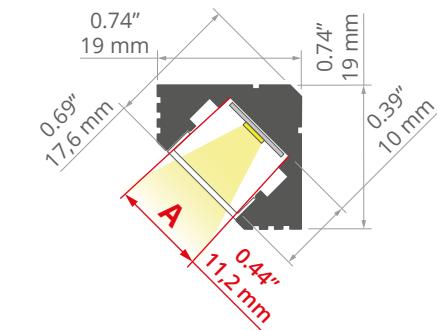
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Corner Mount

### 45-ALU



#### APPLICATION

- Installation in corners
- Lighting angle: 45 Degrees
- Good heat dissipation
- Wide range of accessories
- Furniture, functional and decorative lighting

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A04023A_2</b>	Silver anodized	78.9"	<b>B17208C_2</b>	Clear	78.9"
<b>A04023A07_2</b>	Black anodized	78.9"	<b>B17037B_2</b>	Black	78.9"
<b>A04023L10_2</b>	White lacquered	78.9"	<b>B17037S_2</b>	Satin	78.9"

#### ACCESSORIES



45-ALU End cap  
gray

**REF. C20124C02**



45-ALU-OTW End cap  
with hole gray

**REF.C20124C02TW**



45-STN Mounting  
bracket silver

**REF. C24144N00**



45-ALU End cap  
black

**REF. C20124C07**



45-ALU End cap  
white

**REF. C20124C10**



45-ALU End cap  
with hole black

**REF. C20124C07TW**



45-ALU End cap  
with hole white

**REF. C20124C10TW**

#### COMPATIBLE LEDS

Lumen output of LED  
(based on CCT chosen)

Wattage / FT

Model and number  
of rows

Max Run length

74 - 96  
151 - 227  
381 - 464  
381 - 487

1.5  
2.9  
4.4  
5.0

**K-CRHD-053-24**  
**K-CRHD-1910-24**  
**K-CR-1275-24**  
**K-CRHD-1820-24**

24'  
24'  
32'  
16'-4"



Additional  
options

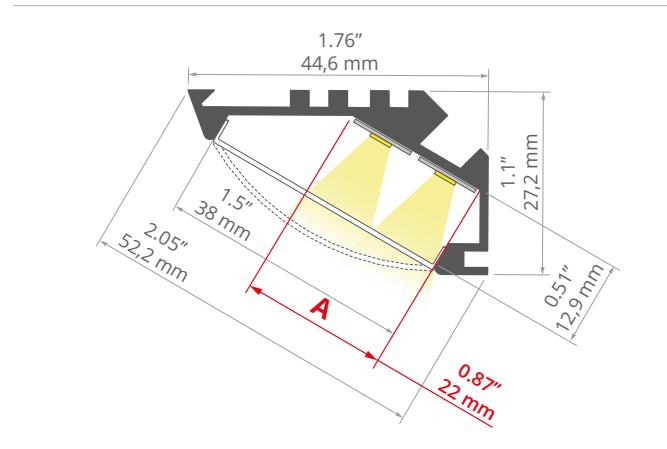
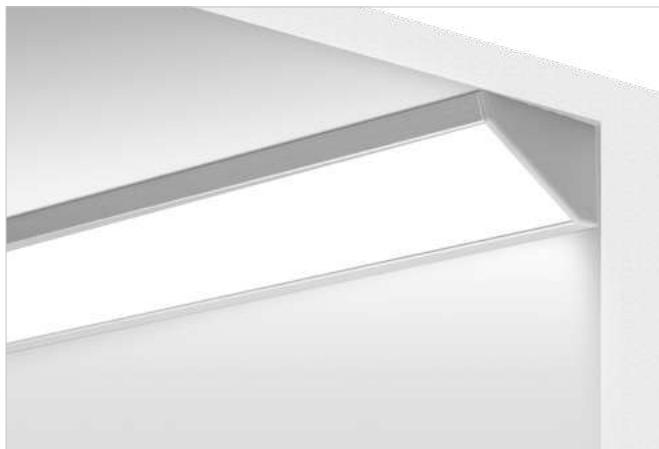
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Corner Mount

### KOPRO-30



#### APPLICATION

- Installation in corners
- Lighting angle: 30 Degrees
- Wide range of accessories
- Cable management space
- under-cabinet and functional lighting

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A07890A_2</b>	Silver anodized	78.9"	<b>B17092S_2</b> <b>B17091S_2</b>	Satin, Curved Satin, Flat	78.9" 78.9"

#### ACCESSORIES



KOPRO-30-L-L  
End cap silver  
**REF. C24173L01**



KOPRO-30-L-P  
End cap silver  
**REF. C24172L01**



KOPRO-30-P-L  
End cap silver  
**REF. C24175L01**



KOPRO-30-P-P  
End cap silver  
**REF. C24174L01**

#### COMPATIBLE LEDS

Lumen output of LED  
(based on CCT chosen)

Wattage / FT

Model and number  
of rows

Max Run length

92 - 170	1.6	K-CR-0530-HD-24	24'
245 - 320	2.9	K-CR-1910-HD-24	24'
299 - 370	4.4	K-CR-1275-24	32'
330 - 560	5.6	K-CR-1820-HD-24	16'-4"
490 - 640	5.8	K-CR-1910-HD-24/2	24"
598 - 740	8.8	K-CR-1275-24/2	32'
660 - 1120	11.2	K-CR-1820-HD-24/2	16'-4"



Additional options

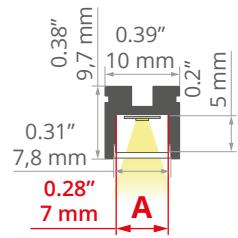
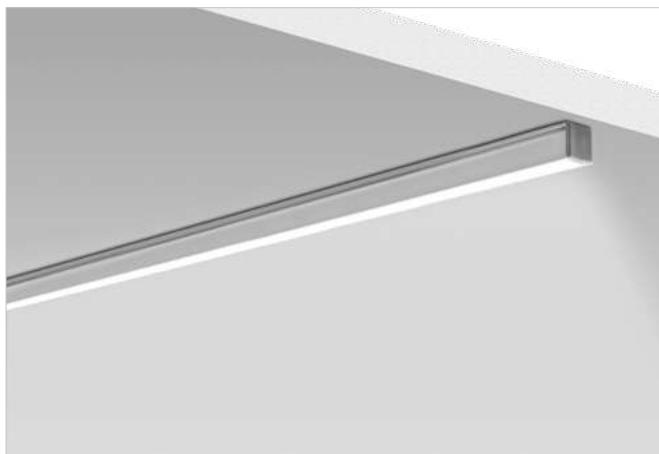
Fixture Certified to NSF 2 standards  
when assembled by **KLUŚ**





## Surface Mount

### PIKO-ZM



#### APPLICATION

- Minimum width and height
- Easy maintenance
- Wide range of accessories
- Small bending radius
- furniture and decorative lighting

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A01168A_2</b>	Silver anodized	78.9"	<b>B17034S_2</b> <b>B17069F_2</b>	Satin Frosted	78.9" 78.9"

#### ACCESSORIES



PIKO-ZM  
End cap gray  
**REF. C24307C02**



K-10 Mounting  
bracket transparent  
**REF. C24340C00**



ZM-180 Connector  
silver  
**REF. C28075N00**

#### COMPATIBLE LEDS

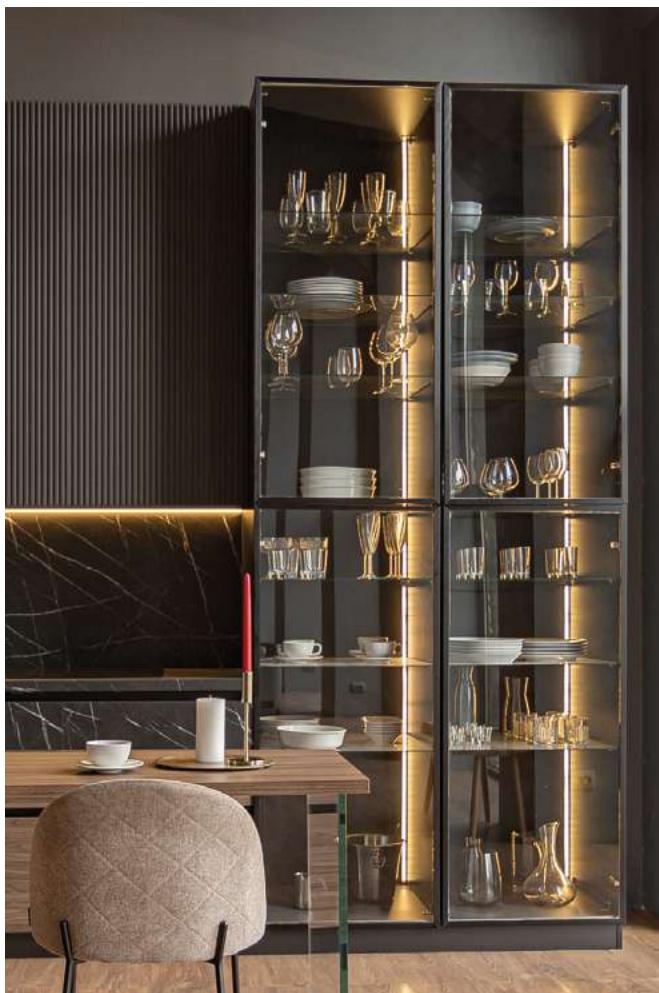
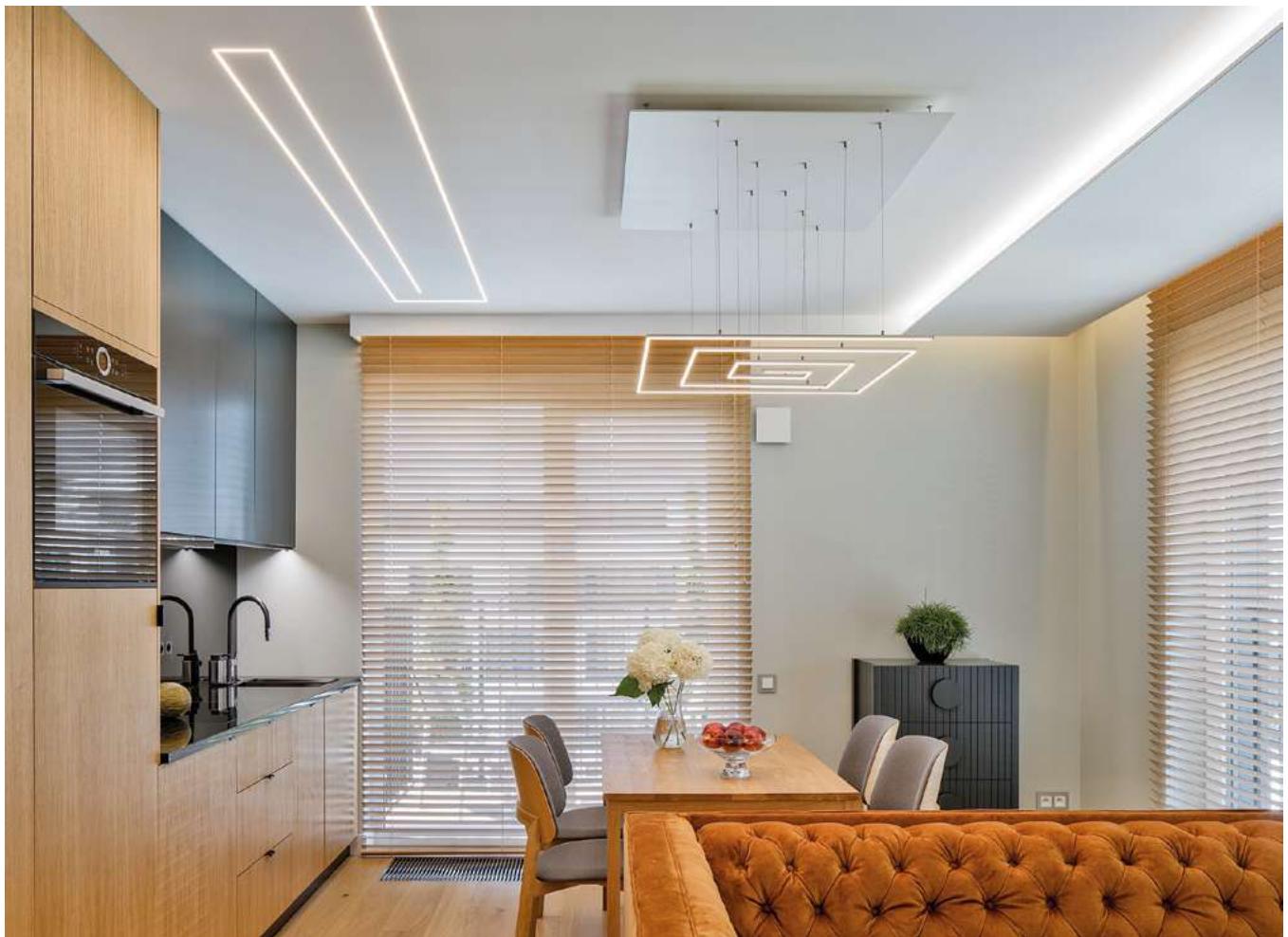
Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
211 - 282	2.8	<b>K-1091-24</b>	9.8'



Additional options

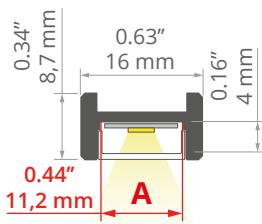
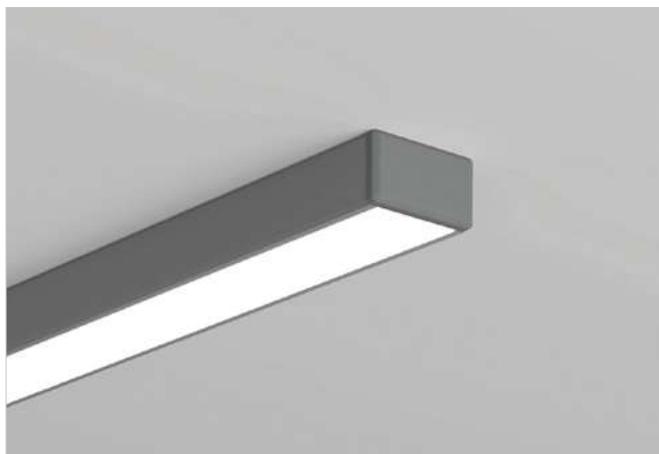
Fixture Certified to NSF 2 standards  
when assembled by **KLUŚ**





## Surface Mount

### MICRO-H



#### APPLICATION

- Low height
- Invisible mounting bracket
- Smooth extrusions walls
- furniture and decorative lighting

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A00599A_2</b>	Silver anodized	78.9"	<b>B17208C_2</b> <b>B17037B_2</b> <b>B17037S_2</b>	Clear Black Satin	78.9" 78.9" 78.9"

#### ACCESSORIES



MICRO-H  
End cap gray  
**REF. C24261C02**



PDS-H Mounting  
bracket white  
**REF. C24214C01**

#### COMPATIBLE LEDS

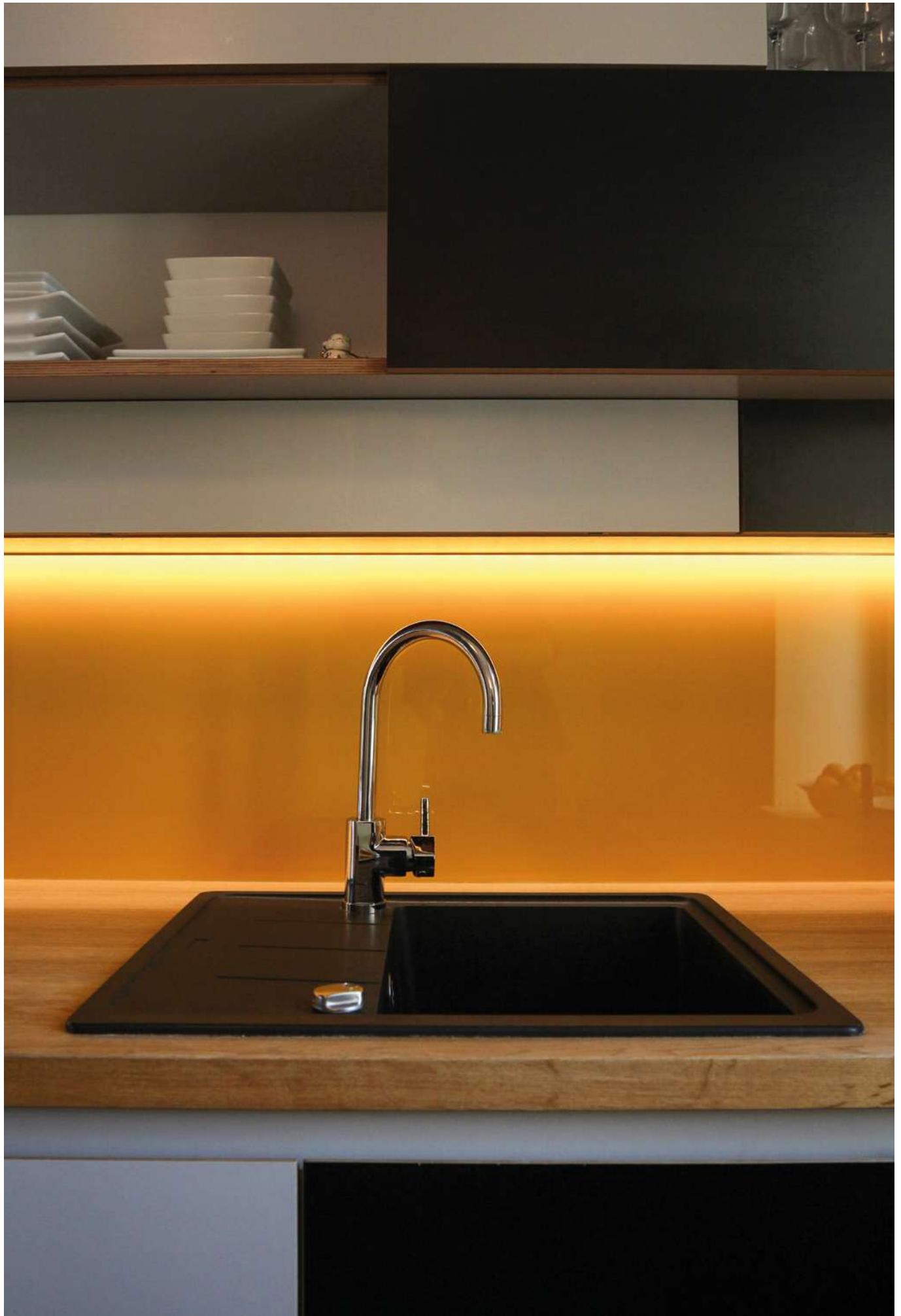
Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
74 - 96	1.5	<b>K-CRHD-0530-24</b>	24'
151 - 227	2.9	<b>K-CRHD-1910-24</b>	24'
381 - 464	4.4	<b>K-CR-1275-24</b>	32'
381 - 487	5.0	<b>K-CRHD-1820-24</b>	16'-4"



Additional options

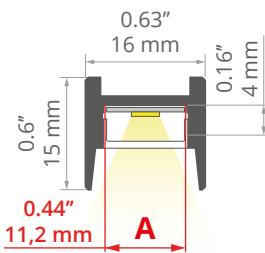
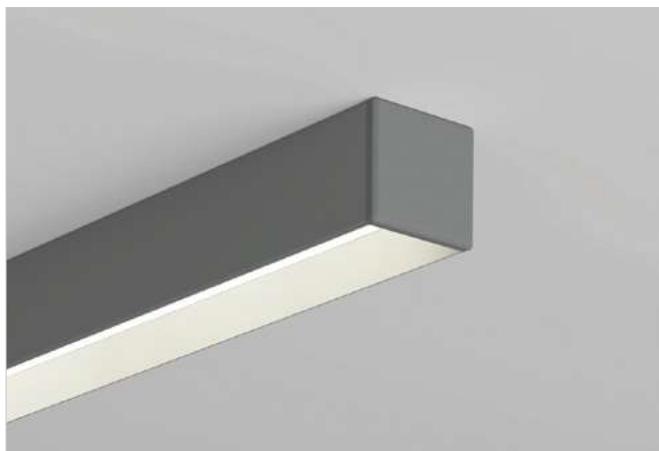
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Surface Mount

### MICRO-HG



#### APPLICATION

- Hidden light source
- Invisible mounting bracket
- Smooth extrusions walls
- furniture and decorative lighting

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
A01419A_2	Silver anodized	78.9"	B17208C_2	Clear	78.9"
A01419A07_2	Black	78.9"	B17037B_2	Black	78.9"
			B17037S_2	Satin	78.9"

#### ACCESSORIES



MICRO-G  
End cap gray  
REF. C24319C02



MICRO-G  
End cap black  
REF. C24319C07



PDS-H Mounting  
bracket white  
REF. C24214C02

#### COMPATIBLE LEDS

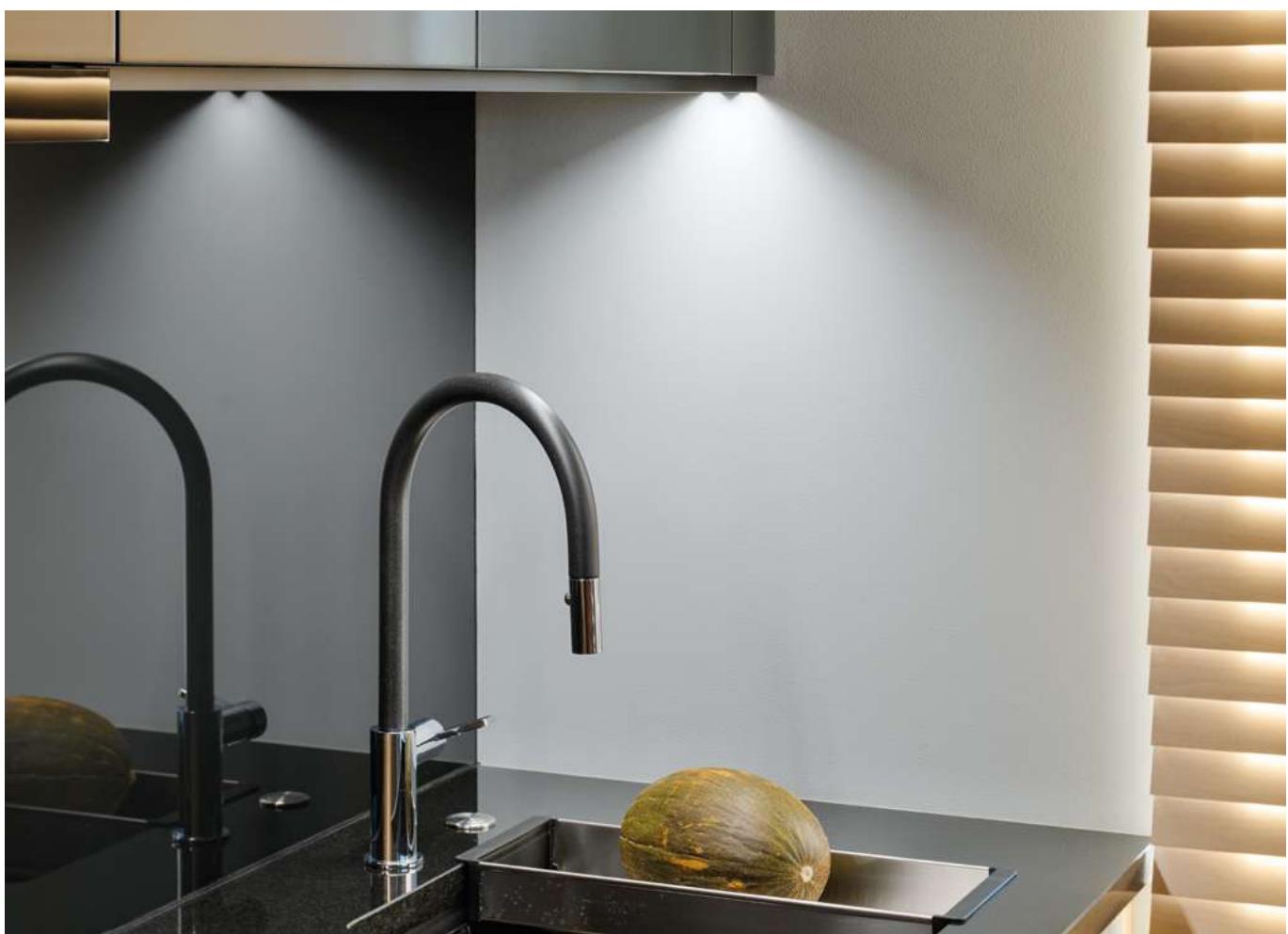
Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
74 - 96	1.5	K-CRHD-0530-24	24'
151 - 227	2.9	K-CRHD-1910-24	24'
381 - 464	4.4	K-CR-1275-24	32'
381 - 487	5.0	K-CRHD-1820-24	16'-4"



Additional options

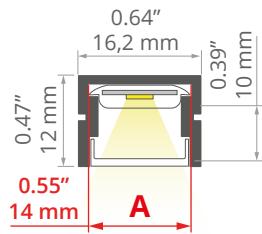
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Surface Mount

### PDS-4-PLUS



#### APPLICATION

- Possibility of installing sealed 8K series LED strips
- Wide range of accessories
- Small bending radius

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A01263A_1</b>	Silver anodized	78.9"	<b>B17208C_2</b>	Clear	78.9"
<b>A01263A07_1</b>	Black anodized	78.9"	<b>B17037B_2</b>	Black	78.9"
<b>A01263L10OD_2</b>	White lacquered	78.9"	<b>B17037S_2</b>	Satin	78.9"

#### ACCESSORIES



PDS-4-PLUS  
end cap gray  
**REF. C24337C07**



PDS-4-PLUS-OTW  
end cap with hole  
**REF.C24364C07**



PDS-STN Mounting  
bracket  
**REF. C24190N00**



PL-PDM Mounting  
bracket  
**REF. C24041C02**



REG-PD-UV Mount-  
ing bracket  
**REF. C28055C02**

#### COMPATIBLE LEDS

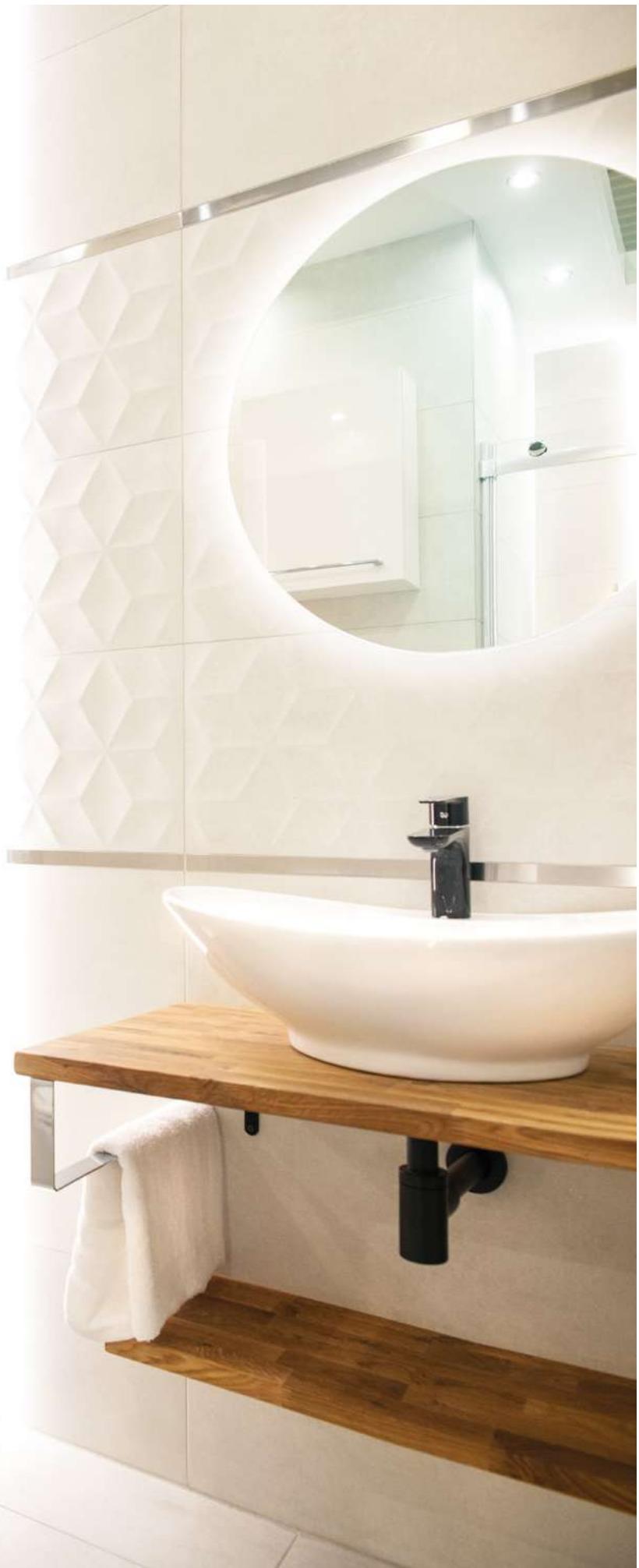
Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
74 - 96	1.5	<b>K-CRHD-0530-24</b>	24'
151 - 227	2.9	<b>K-CRHD-1910-24</b>	24'
381- 464	4.4	<b>K-CR-1275-24</b>	32'
381 - 487	5.0	<b>K-CRHD-1820-24</b>	16'-4"



Additional  
options

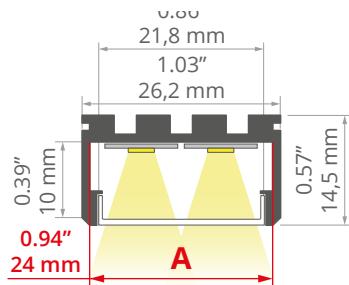
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Surface Mount

### GIZA-LL



#### APPLICATION

- multipurpose - multiple surface mounting options
- designed for the construction of lighting fixtures for main or decorative lighting
- perfect for a variety of surface mount applications including hard surface, drywall, T-grid ceiling

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>C0758ANODA_2</b>	Silver anodized	78.75"	<b>B17011C_2</b> <b>B17032S_2</b> <b>B17032B_2</b>	Clear Satin Black	78.9" 78.9" 78.9"

#### ACCESSORIES

<b>REF. C24281C02</b>	<b>REF. C24143C02</b>	<b>REF. C28075N00</b>	<b>REF. C24500N00</b>
<b>REF. C24235N00</b>	<b>REF. C28057C02</b>		

\* Recommend 3 adjustable brackets or 4 standard brackets / springs per 78" section

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
92 - 170	1.6	<b>K-CR-0530-HD-24</b>	24'
245 - 320	2.9	<b>K-CR-1910-HD-24</b>	24'
299 - 370	4.4	<b>K-CR-1275-24</b>	32'
330 - 560	5.6	<b>K-CR-1820-HD-24</b>	16' 4"
490 - 640	5.8	<b>K-CR-1910-HD-24/2</b>	24'
598 - 740	8.8	<b>K-CR-1275-24/2</b>	32'
660 - 1120	11.2	<b>K-CR-1820-HD-24/2</b>	16' 4"

\*\*\* In the above "/2" denotes 2 rows of LEDs



Additional options

Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**

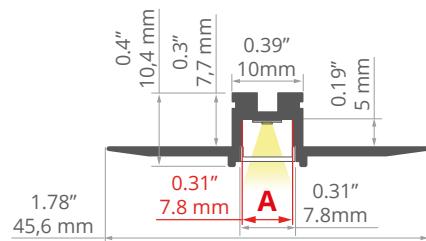
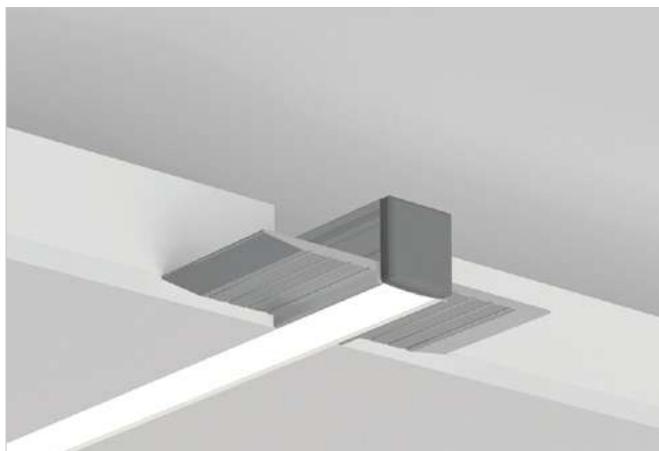


CALLSTACK OFFICES, POLAND, ARCHITECT: WE MAKE  
PHOTOGRAPHY: TOM KUREK



Recessed

**KOZEL-10**



#### APPLICATION

- Mounting to drywall
- Minimum height
- No collision with the ceiling structure
- Line of light flush with the surface
- Non visible aluminum elements

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A01575N_2</b>	Silver non anodized	78.9"	<b>B17034S_2</b> <b>B17069F_2</b>	Satin Bendable, Frosted	78.9" 78.9"

#### ACCESSORIES



PIKO-ZM  
End cap gray  
**REF. C24307C02**



ZM-NA-180  
connector silver  
**REF. C28075N00**

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
211 - 282	2.8	<b>K-1091-24</b>	9.8'



For more  
Trimless  
options:



Additional  
options

Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**

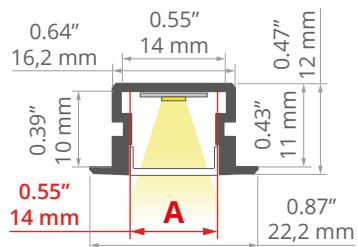
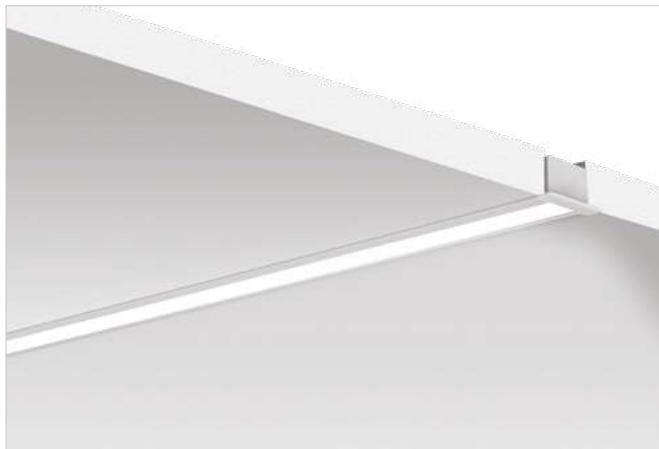


HATCH CHISHOLM CREEK, ARCHITECT: FITZSIMMONS ARCHITECTS,  
PHOTOGRAPHY: JOSEPH MILLS PHOTOGRAPHY



Recessed

## PDS-NK



### APPLICATION

- multipurpose
- designed for the construction of lighting fixtures for decorative, indirect lighting
- perfect for undercabinet, millwork and a variety of recessed mount applications

### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A01588A_2</b>	Silver anodized	78.9"	<b>B17208C_2</b>	Clear	78.9"
<b>A01588A07_2</b>	Black anodized	78.9"	<b>B17037B_2</b> <b>B17037S_2</b>	Satin Black	78.9" 78.9" 78.9"

### ACCESSORIES



PDS-NK grey  
end cap

REF. C24338C02



PDS-NK grey  
end cap with hole

REF. C24338C02TW



PDS-NK black  
end cap

REF. C24228C07



PDS-NK black  
end cap with hole

REF. C24228C07TW

### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
92 - 170	1.6	<b>K-CRHD-0530-24</b>	24'
245 - 320	2.9	<b>K-CRHD-1910-24</b>	24'
299 - 370	4.4	<b>K-CR-1275-24</b>	32'
330 - 560	5.6	<b>K-CRHD-1820-24</b>	16' 4"



Additional  
options

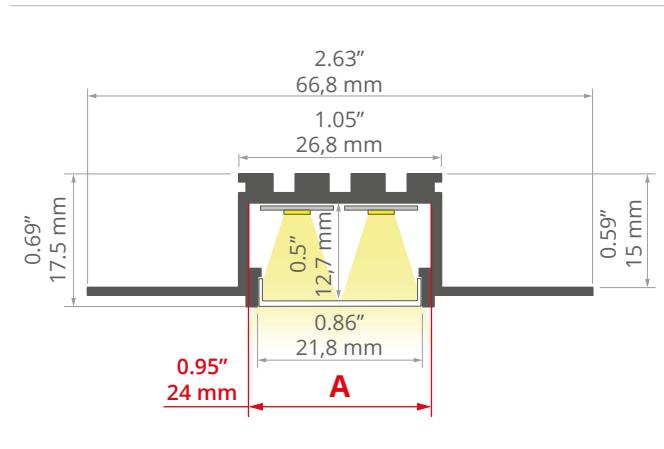
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Recessed

### KOZUS



#### APPLICATION

- 1" line of light without visible flanges
- recessed mud in design
- intended to be used in 5/8" drywall
- perfect for creating lines of light in walls and ceiling
- can be used for direct or indirect lighting

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>B7823NA_2</b>	Non anodized (raw)	78.9"	<b>B17011C_2</b> <b>B17032S_2</b> <b>B17032B_2</b>	Clear Satin Black	78.9" 78.9" 78.9"

#### ACCESSORIES



KOZUS grey  
end cap

REF. C24148C02



ZM-NA-180  
connector

REF. C28075N00

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
92 - 170	1.6	K-CRHD-0530-HD-24	24'
245 - 320	2.9	K-CRHD-1910-HD-24	24'
299 - 370	4.4	K-CR-1275-24	32'
330 - 560	5.6	K-CRHD-1820-HD-24	16' 4"
490 - 640	5.8	K-CRHD-1910-HD-24/2	24'
598 - 740	8.8	K-CR-1275-24/2	32'
660 - 1120	11.2	K-CRHD-1820-HD-24/2	16' 4"

\*\*\*In the above table "/2" denotes 2 rows of LEDs



Additional  
options

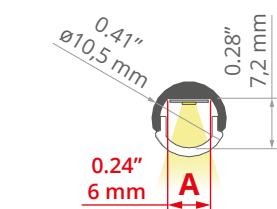
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Suspended

### PIKO-O



#### APPLICATION

- Lighting fixture with round cross-section
- Minimum cross-section diameter
- Smooth extrusion surfaces
- Luminaire direction adjustment
- Small bending radius

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A01167A_2</b>	Silver anodized	78.9"	<b>B17164F_2</b>	Frosted	78.9"
<b>A01167A07_2</b>	Black anodized	78.9'	<b>B17164S_2</b>	Satin	78.9"

#### ACCESSORIES



PIKO-O  
end cap gray  
**REF. C24321C02**



PIKO-O  
end cap black  
**REF. C24321C07**



PIKO-O Electricity  
conductive end cap  
**REF. C28223C7012**



PLD-10 Mounting  
bracket transparent  
**REF. C24375C00**

#### COMPATIBLE LEDS

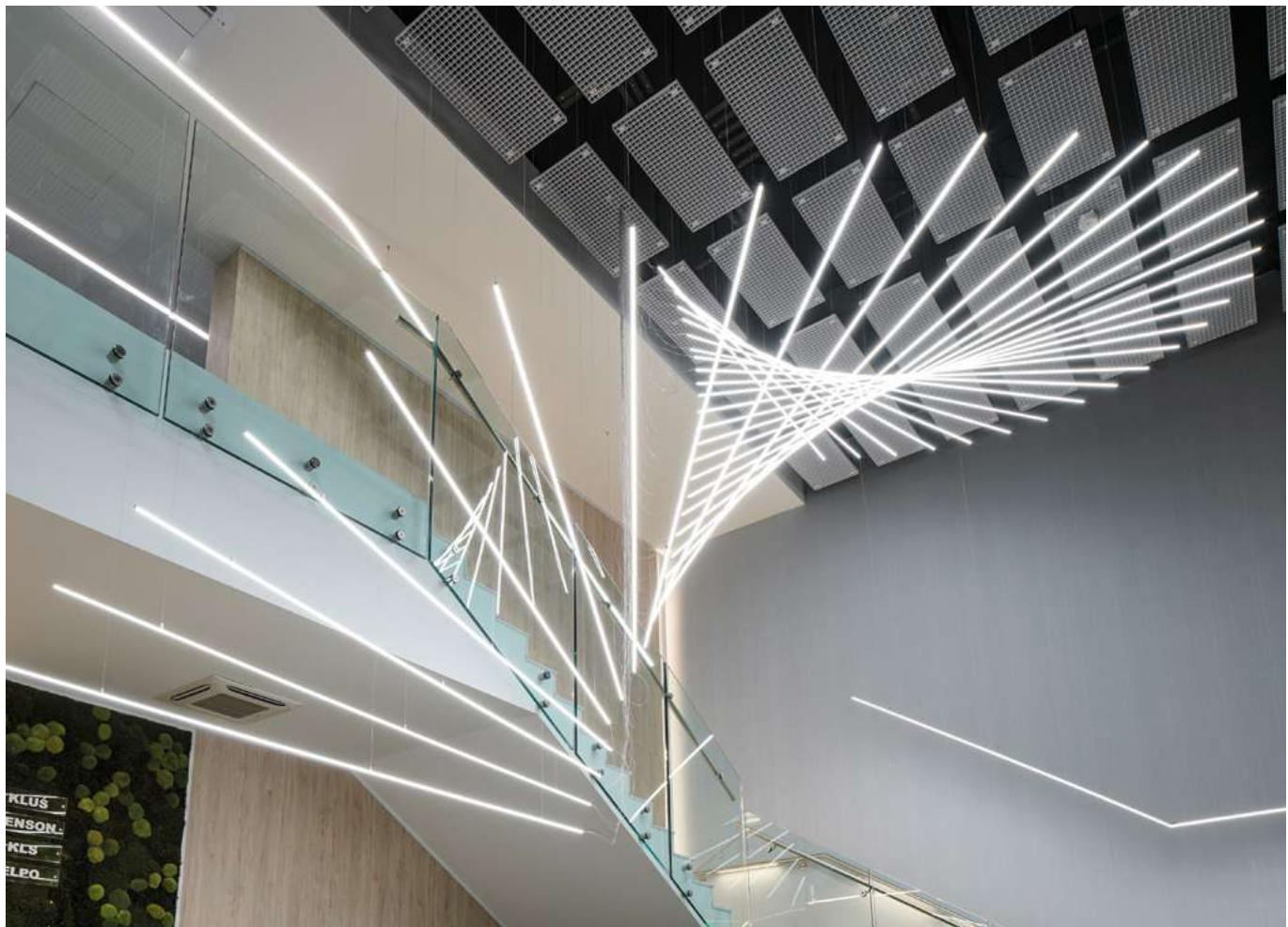
Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
211 - 282	2.8	<b>K-1091-24</b>	9.8"



Additional options

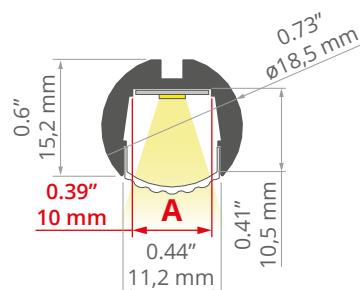
Fixture Certified to NSF 2 standards  
when assembled by **KLUŚ**





## Suspended

### OLEK



#### APPLICATION

- Smooth extrusion surfaces
- Lighting fixture with round cross-section
- Luminaire direction adjustment
- Wide range of accessories

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A08505A_2</b>	Silver anodized	78.9"	<b>B17208C_2</b>	Clear	78.9"
<b>A08505L100D_2</b>	White lacquered	78.9"	<b>B17037B_2</b> <b>B17037S_2</b> <b>B17076F_2</b>	Black Satin Rounded, Frosted	78.9"

#### ACCESSORIES



OLEKy  
end cap  
REF. C24203C02



OLEK- LUK  
end cap white  
REF. C24204C10



OLEK-LUK Electricity  
conductive end cap  
REF.  
C28213C02

#### COMPATIBLE LEDS

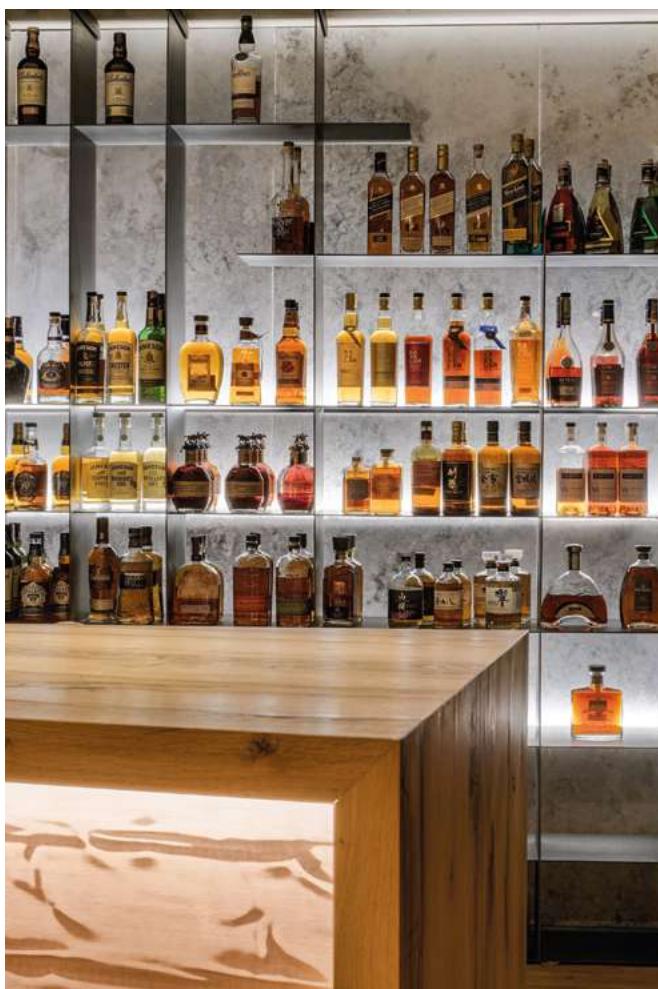
Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
74 - 96	1.5	K-CRHD-0530-24	24'
151 - 227	2.9	K-CRHD-1910-24	24'
381 - 464	4.4	K-CR-1275-24	32'
381-487	5.0	K-CRHD-1820-24	16'-4"



Additional options

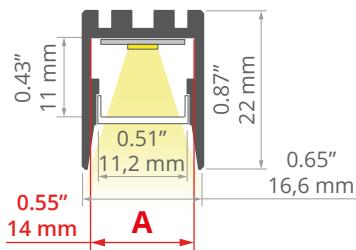
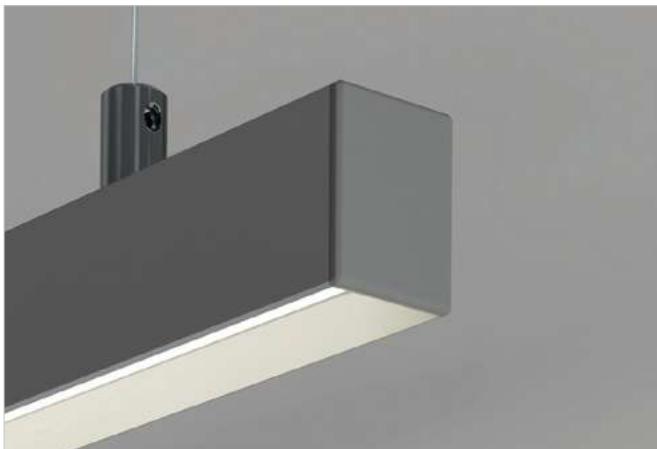
Fixture Certified to NSF 2 standards  
when assembled by **KLUŚ**





# Suspended

## PDS-ZMG



### APPLICATION

- recessed cover conceals the light source
- designed for creating suspended, linear fixtures with reduced glare
- more focused beam of light when used with clear lens
- perfect for retail, commercial and residential applications

### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A01418A_2</b>	Silver anodized	78.9"	<b>B17064C_2</b>	Clear	78.9"
<b>A01418A07_2</b>	Black anodized	78.9"	<b>B17037S_2</b> <b>B17037B_2</b>	Satin Black	78.9"

### ACCESSORIES

 REF. C24330C02	 REF. C24320C07	 REF. C28160N00	 REF. C28116N00
 REF. C24522N00	 REF. Z70240	 REF. C28198N00	 REF. C28258N00
 REF. C28075N00			

### COMPATIBLE LEDS

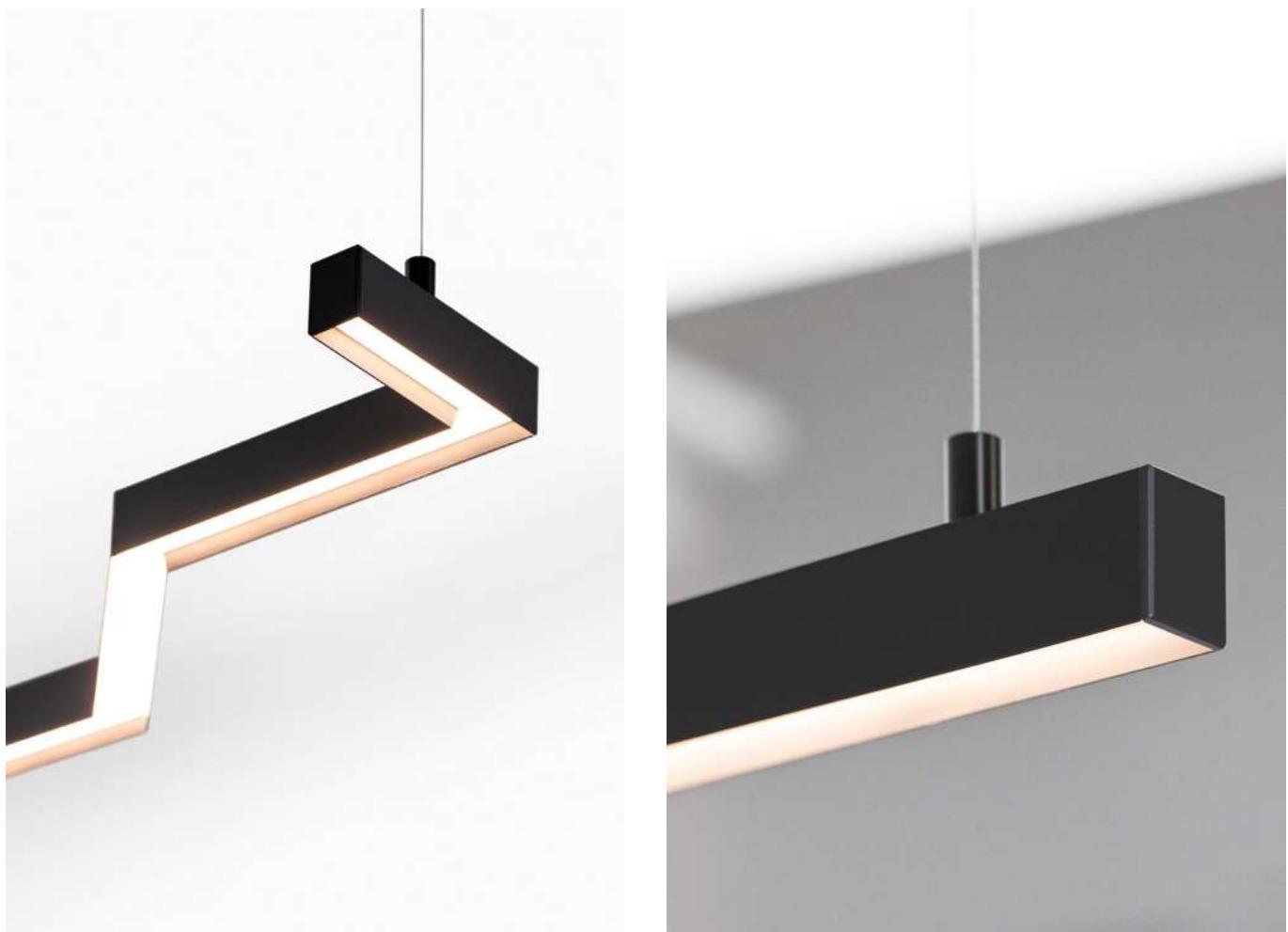
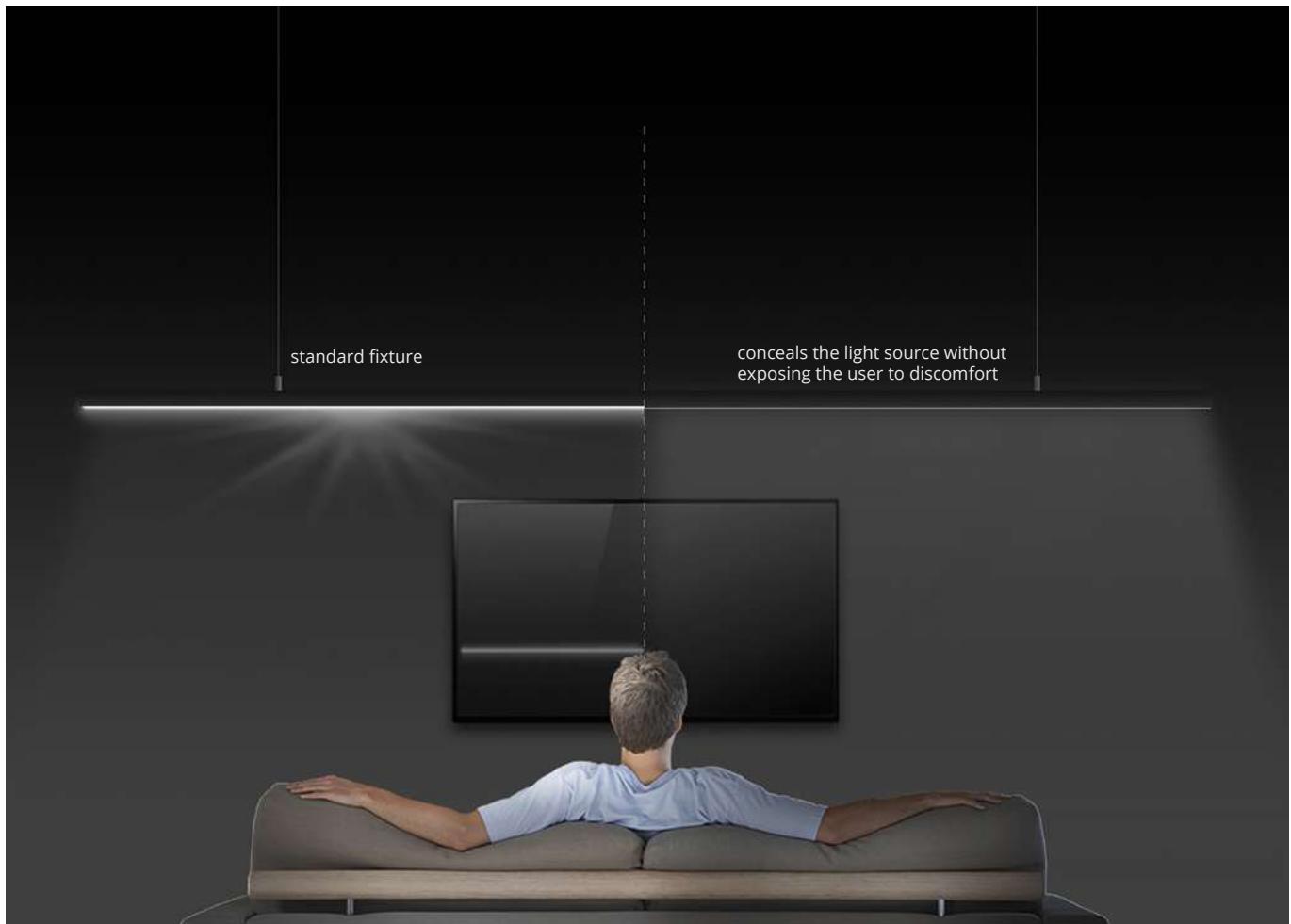
Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
92 - 170	1.6	K-CRHD-0530-24	24'
245 - 320	2.9	K-CRHD-1910-24	24'
299 - 370	4.4	K-CR-1275-24	32'
330 - 560	5.6	K-CRHD-1820-24	16' 4"



Additional options

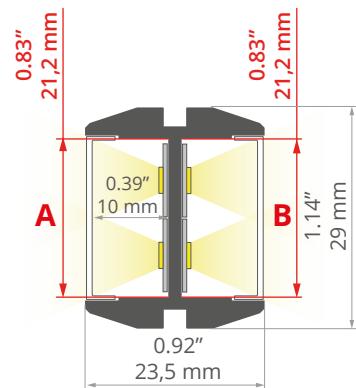
Fixture Certified to NSF 2 standards  
when assembled by **KLUŚ**





## Suspended

### GIZA-DUO-LL



#### APPLICATION

- designed for creating suspended fixtures with bi-directional lighting
- possibility to be bent into rings
- good for ambient, indirect lighting
- perfect for commercial, retail and hospitality applications

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
A02162A_2	Silver anodized	78.9"	B17011C_2 B17032S_2 B17032B_2	Clear Satin Black	78.9" 78.9" 78.9"

#### ACCESSORIES

REF. C24372C02	REF. C28116N00	REF. C28117N00	REF. C24522N00
REF. C28230P00	REF. C28198N00	REF. C28258N00	REF. C28075N00
REF. C24522N00	REF. Z70240		

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
184 - 340	3.2	K-CRHD-0530-HD-24/2 (1 row per side)	24'
490 - 640	5.8	K-CRHD-1910-HD-24/2 (1 row per side)	24'
598 - 740	8.8	K-CR-1275-24 / 2 (1 row per side)	32'
660 - 1120	11.2	K-CRHD-1820-HD-24/2 (1 row per side)	16' 4"
368 - 680	6.4	K-CRHD-1910-HD-24/4 (2 rows per side)	24'
980 - 1920	11.6	K-CR-1275-24 / 4 (2 rows per side)	32'

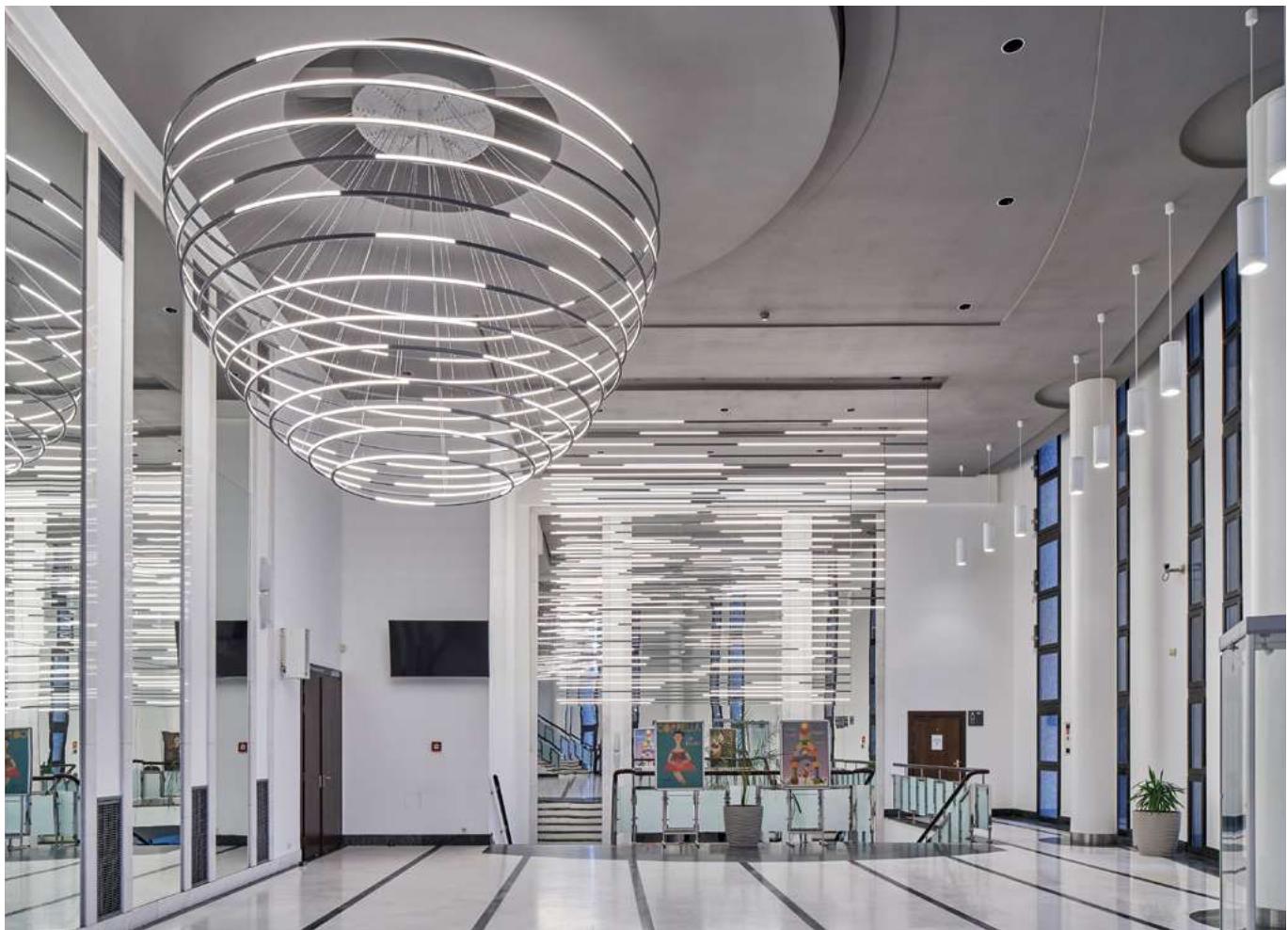
\*\*\*In the above table "/2" denotes 2 rows of LEDs



Additional options

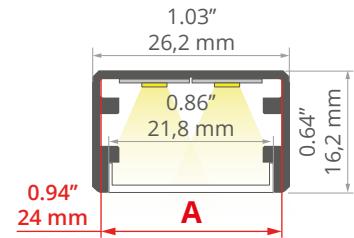
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Suspended

### GLAZA-LL



#### APPLICATION

- modern look with smooth walls
- designed for creating suspended, linear fixtures
- perfect for retail, commercial and residential applications

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
A02627A_2	Silver anodized	78.9"	B17011C_2	Clear	78.9"
A02627A07_2	Black anodized	78.9"	B17032S_2	Satin	78.9"
			B17032B_2	Black	78.9"

#### ACCESSORIES

REF. C24368C02	REF. C24368C07	REF. C28172N00	REF. 42287L9005
REF. C24522N00	REF. Z70240	REF. C28230P00	REF. C28172L07
REF. C28075N00	REF. C28198N00	REF. C28258N00	

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
92 - 170	1.6	K-CRHD-0530-HD-24	24'
245 - 320	2.9	K-CRHD-1910-HD-24	24'
299 - 370	4.4	K-CR-1275-24	32'
330 - 560	5.6	K-CRHD-1820-HD-24	16' 4"
490 - 640	5.8	K-CRHD-1910-HD-24/2	24'
598 - 740	8.8	K-CR-1275-24/2	32'
660 - 1120	11.2	K-CRHD-1820-HD-24/2	16' 4"

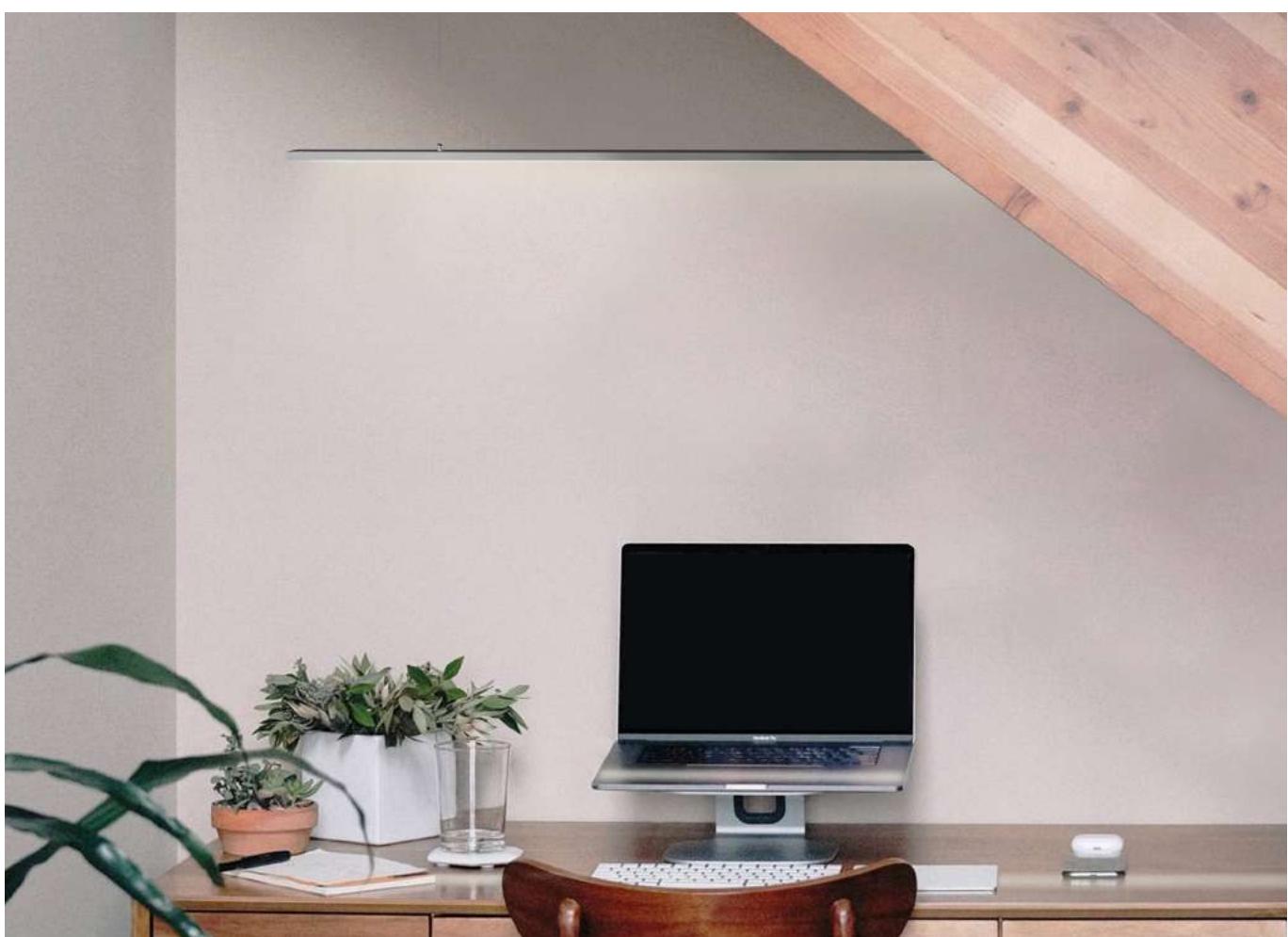
\*\*\*In the above table "/2" denotes 2 rows of LEDs



Additional options

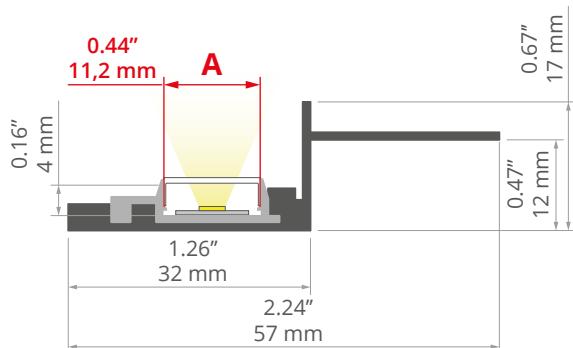
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Cove

### NISA-KRA



#### APPLICATION

- Illumination of the niche and cove edge
- Easy maintenance
- Effect of a thin edge of the suspended ceiling
- decorative lighting recessed in architectural niches

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A18026N_2</b>	Silver non anodized	78.9"			
			<b>B17052M_2</b>	Frosted	78.9"
			<b>B17208C_2</b>	Clear	78.9"
			<b>B17037S_2</b>	Satin	78.9"

#### ACCESSORIES



ONISA End cap  
gray  
REF. C24100C02



ZM-NA-180  
Connector silver  
REF.C28075N00

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
83 - 115	1.5	<b>K-CRHD-0530-24</b>	24'
166 - 253	2.9	<b>K-CRHD-1910-24</b>	24'
397 - 535	5.0	<b>K-CR-1275-24</b> <b>K-CRHD-1820-24</b>	32' 16'-4"



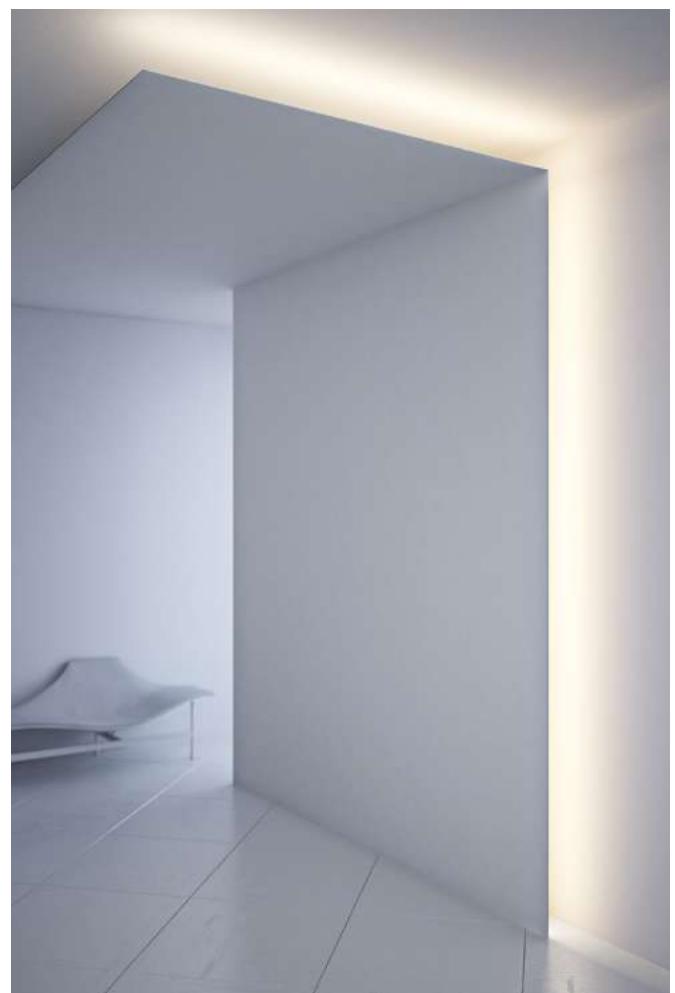
For more  
Cove  
options:



Additional  
options

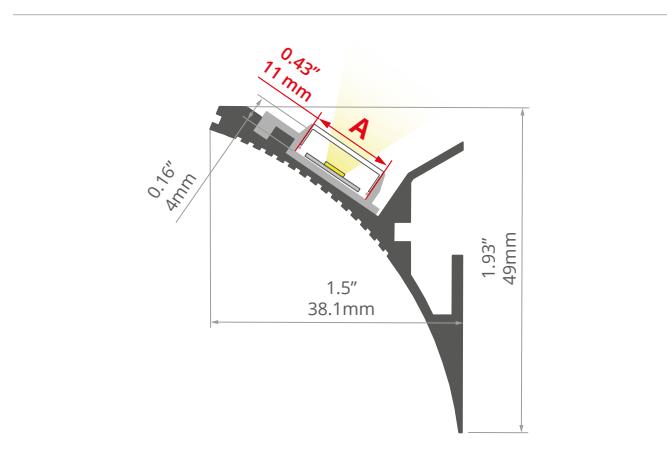
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Cove

### LIT-L



#### APPLICATION

- Hidden light source
- The lighting fixture integrates with the mounting surface
- Non visible aluminum elements
- Easy maintenance

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A18033N_2</b>	Silver non anodized	"78.9"	<b>B17208C_2</b> <b>B17037B</b> <b>B17037S_2</b>	Clear Black Frosted	78.9" 78.9" 78.9"

#### ACCESSORIES



ONISA End cap  
gray

**REF. C24100C02**



TELIT-L-L End cap  
white

**REF. C24181C10**



TELIT-L-P End cap  
White

**REF. C24180C10**



ZM-NA-180  
Connector Silver

**REF. C28075N00**

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
74 - 96	1.5	<b>K-CRHD-0530-24</b>	24'
151 - 227	2.9	<b>K-CRHD-1910-24</b>	24'
381 - 370	4.4	<b>K-CR-1275-24</b>	32'
381 - 464	5.0	<b>K-CRHD-1820-24</b>	16'-4"

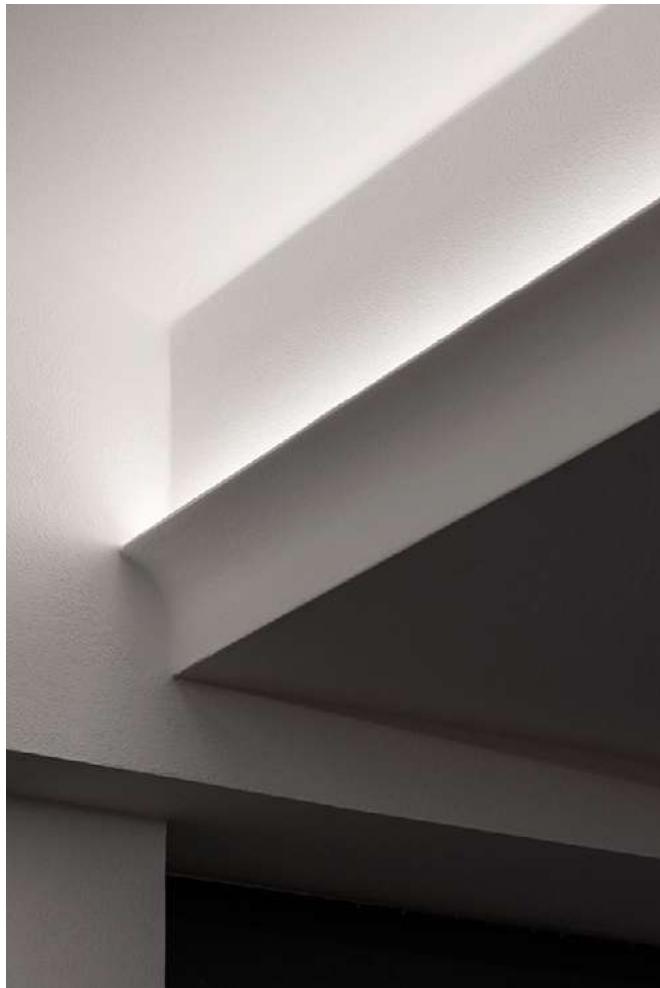


Intertek

Additional  
options

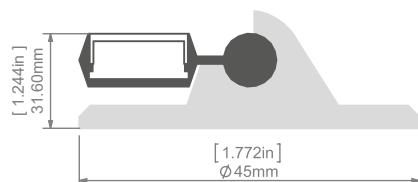
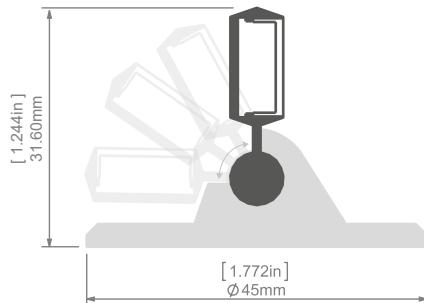
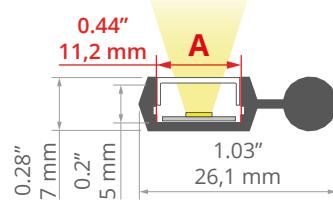
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Cove

### POLI



#### APPLICATION

- perfect for cove applications and tight spaces
- designed for the light angle to be fully adjustable
- great for retail, hospitality and residential applications

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A07176A_2</b>	Silver anodized	78.9"	<b>B17208C_2</b> <b>B17037S_2</b>	Satin Clear	78.9" 78.9"

#### ACCESSORIES



POLI grey  
end cap

REF. C24128C02



POLI  
Mounting bracket

REF. C24112C10

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
92 - 170	1.6	K-CRHD-0530-24	24'
245 - 320	2.9	K-CRHD-1910-24	24'
299 - 370	4.4	K-CR-1275-24	32'
330 - 560	5.6	K-CRHD-1820-24	16' 4"



Additional  
options

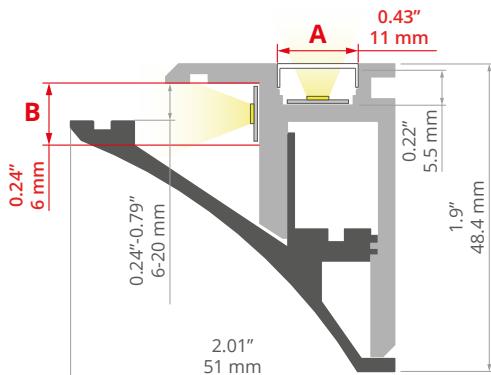
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Specialty

### PULA



#### APPLICATION

- aesthetic shelf lighting
- designed for mounting and illuminating shelves made of glass, wood or plastic.
- double independent lighting modes - edge and surface
- can be adjusted to accommodate shelves with a thickness between (0.23" / 6 mm) and (0.78" / 20 mm) \*shelf material provided by others

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A18035A_2</b>	Silver anodized	78.9"	<b>B17208C_2</b> <b>B17037S_2</b>	Clear Satin	78.9" 78.9"

#### ACCESSORIES



PULA-L metalized  
end cap (left)  
**REF. C28008L01**



PULA-P metalized  
end cap (right)  
**REF. C28009L01**

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
92 - 170	1.6	K-CRHD-0530-24	24'
245 - 320	2.9	K-CRHD-1910-24	24'
299 - 370	4.4	K-CR-1275-24	32'
330 - 560	5.6	K-CRHD-1820-24	16' 4"

\* This extrusion accommodates LED strips for both the edge light and also the back light



Additional  
options

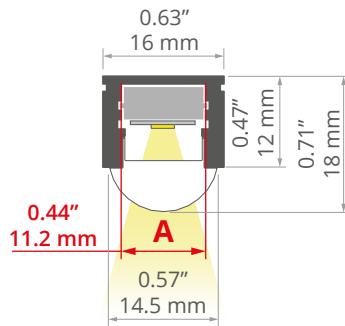
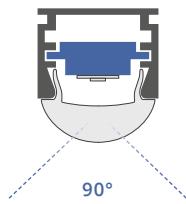
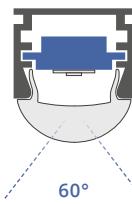
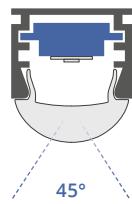
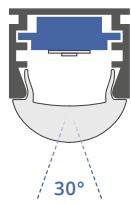
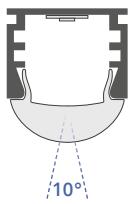
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Specialty

### REGULOR



#### APPLICATION

- perfect for applications where setting the beam angle is desired
- designed to provide 5 beam angles from one extrusion
- insert setting adjustment enables 10, 30, 45, 60 and 90 degree beam angles

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A18068A_2</b>	Silver anodized	78.9"	<b>B17202T_2</b>	Satin focusing	78.9"

#### ACCESSORIES



REGULOR grey end cap  
**REF. C00310C02**



REGULOR grey end cap with hole  
**REF. C00310C02TW**



PDS-STN mounting bracket  
**REF. C24190N00**



PL-PDM mounting bracket  
**REF. C24041C02**



REG-PD-UV adjustable mounting bracket  
**REF. C28055C02**

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
92 - 170	1.6	K-CRHD-0530-24	24'
245 - 320	2.9	K-CRHD-1910-24	24'
299 - 370	4.4	K-CR-1275-24	32'
330 - 560	5.6	K-CRHD-1820-24	16' 4"



Additional options

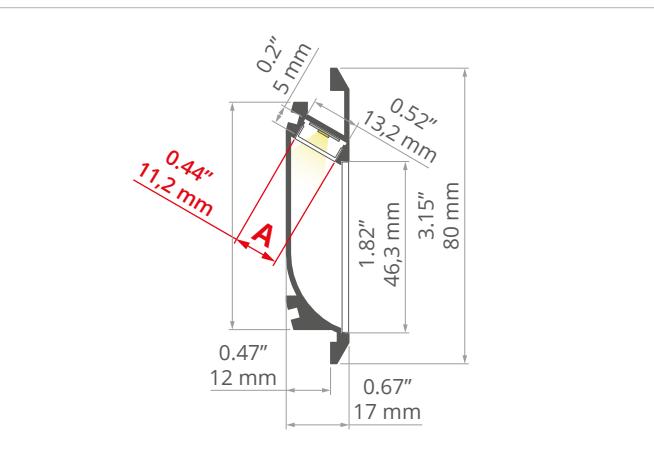
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





# Specialty

## OBIT



### APPLICATION

- Hallway lighting
- Three lighting options
- decorative and warning lighting

### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A04826A_2</b>	Silver anodized	78.9"	<b>B17052M</b> <b>B17037S_2</b> <b>B17037S_2</b>	COLOR Frosted (outer) Clear Satin	78.9" 78.9" 78.9"

### ACCESSORIES



OBIT End cap  
gray  
**REF. C24127C02**



ZM-NA-180  
Connector silver  
**REF. C28075N00**



KMA Spring  
silver  
**REF. C24503N00**

### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
74 - 96	1.5	<b>K-CRHD-0530-24</b>	24'
151 - 227	2.9	<b>K-CRHD-1910-24</b>	24'
381 - 464	4.4	<b>K-CR-1275-24</b>	32'
381 - 487	5.0	<b>K-CRHD-1820-24</b>	16'-4"



Additional options

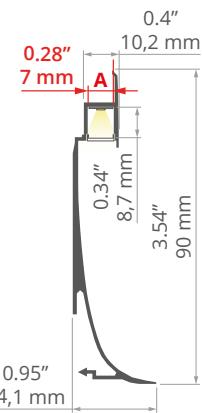
Fixture Certified to NSF 2 standards  
when assembled by **KLUŚ**





## Specialty

### OLIS-K



#### APPLICATION

- warning and decorative lighting
- function of a standard skirting board

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A04826A_2</b>	Silver anodized	78.9"	<b>B17052M</b> <b>B17037S_2</b> <b>B17037S_2</b>	COLOR Frosted (outer) Clear Satin	78.9" 78.9" 78.9"

#### ACCESSORIES



OBIT End cap  
gray  
REF. C24127C02



ZM-NA-180  
Connector silver  
REF. C28075N00



KMA Spring  
silver  
REF. C24503N00

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
74 - 96	1.5	<b>K-CRHD-0530-24</b>	24'
151 - 227	2.9	<b>K-CRHD-1910-24</b>	24'
381 - 464	4.4	<b>K-CR-1275-24</b>	32'
381 - 487	5.0	<b>K-CRHD-1820-24</b>	16'-4"



Additional options

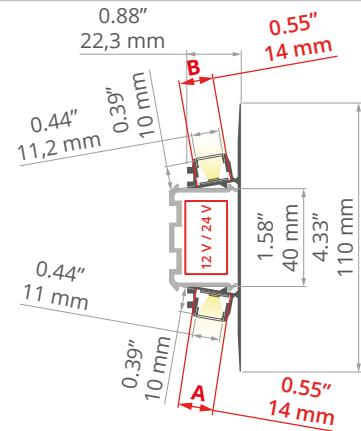
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Specialty

### PLAKIN-DUO



#### APPLICATION

- Hidden light source
- Up/down lighting
- Compartment for driver and electrical components
- Easy maintenance

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A18069A_2</b>	Silver anodized	78.9"	<b>B17208C_2</b>	Clear	78.9"
<b>A18069L10_2</b>	White lacquered	78.9"	<b>B17037S_2</b>	Satin	78.9"

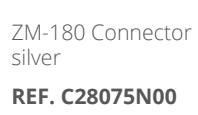
#### ACCESSORIES



PLAKIN-DUO  
End Cap gray  
**REF. C24469C02**



PLAKIN-DUO  
End Cap white  
**REF.C24470C10**



ZM-180 Connector  
silver  
**REF. C28075N00**



T-40 Mounting  
Rails gray  
**REF.C24470C10**

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
92 - 170	1.6	<b>K-CR-0530-HD-24</b>	24'
245 - 320	2.9	<b>K-CR-1910-HD-24</b>	24'
299 - 370	4.4	<b>K-CR-1275-24</b>	32'
330 - 560	5.6	<b>K-CR-1820-HD-24</b>	16'-4"
490 - 640	5.8	<b>K-CR-1910-HD-24/2</b>	24"
598 - 740	8.8	<b>K-CR-1275-24/2</b>	32"
660 - 1120	11.2	<b>K-CR-1820-HD-24/2</b>	16'-4"

\*\*\*In the above table "/2" denotes 2 rows of LEDs



Additional options

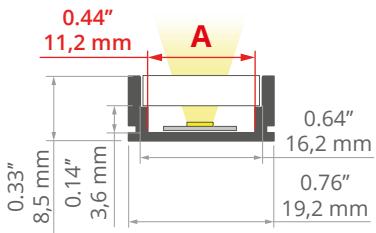
Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**





## Specialty

### HR-ALU



#### APPLICATION

- For installation in wall and floor tiles
- Designed for IP67 protection rating
- Low height

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A01889N_2</b>	Silver non anodized	78.9"	<b>B17206F_2</b>	Frosted	78.9"

#### ACCESSORIES



HR-ALU  
end cap gray  
**REF. C20100C02**



HR-ALU-OTW gray  
end cap with hole  
**REF. C20100C02TW**

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
154 - 243 364- 503	2.9 5.0	<b>KWP-GHD-1910-24</b> <b>KWP-GHD-1640-24</b>	24' 16'-4"



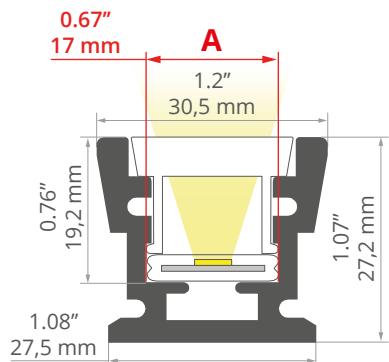
Additional options

Fixture Certified to NSF 2 standards  
when assembled by **KLUŚ**



## Specialty

### HR-MAX



#### APPLICATION

- For indoor | outdoor ground installation
- Designed for IP68 and IK10 protection ratings
- Corrosion resistance at high salinity
- Corresponds to the width of the HR-OPTI facade system
- Drive over rated

#### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A01829A_2</b>	Silver anodized	78.9"	<b>B17152F_2</b>	Frosted	78.9"

#### ACCESSORIES



HR-MAX-STN  
end cap silver  
REF. C24199N00



M16x1,5-L90  
Angular gland  
REF. C28158C02

#### COMPATIBLE LEDS

Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
151 - 227	2.9	WP-K-CR-1220-24	24'
211 - 272	2.8	KWP-CRHD-1910-24	24'



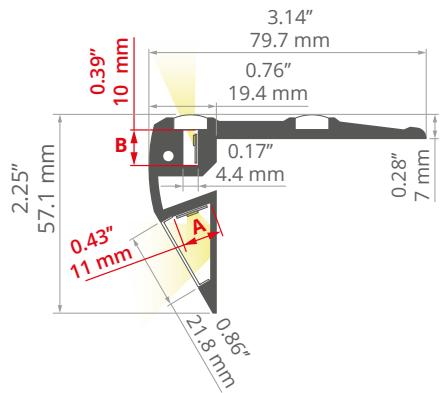
Additional options

Fixture Certified to NSF 2 standards  
when assembled by **KLUŠ**



# Specialty

## STEPUS



### APPLICATION

- For installation on the steps
- Conforms to the American ADA norms
- Non-slip elements
- Two lighting options
- High mechanical resistance

### EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
<b>A18038A_2</b>	Silver anodized	78.9"	<b>B17011C_2</b>	Clear	78.9"
<b>A18038A07_2</b>	Black anodized	78.9"	<b>B17032B_2</b>	Black	78.9"
			<b>B17032S_2</b>	Satin	78.9"

### ACCESSORIES



STEPUS-L End cap  
gray  
REF. C28011C02



STEPUS-P End cap  
gray  
REF. C28012C02

### COMPATIBLE LEDS

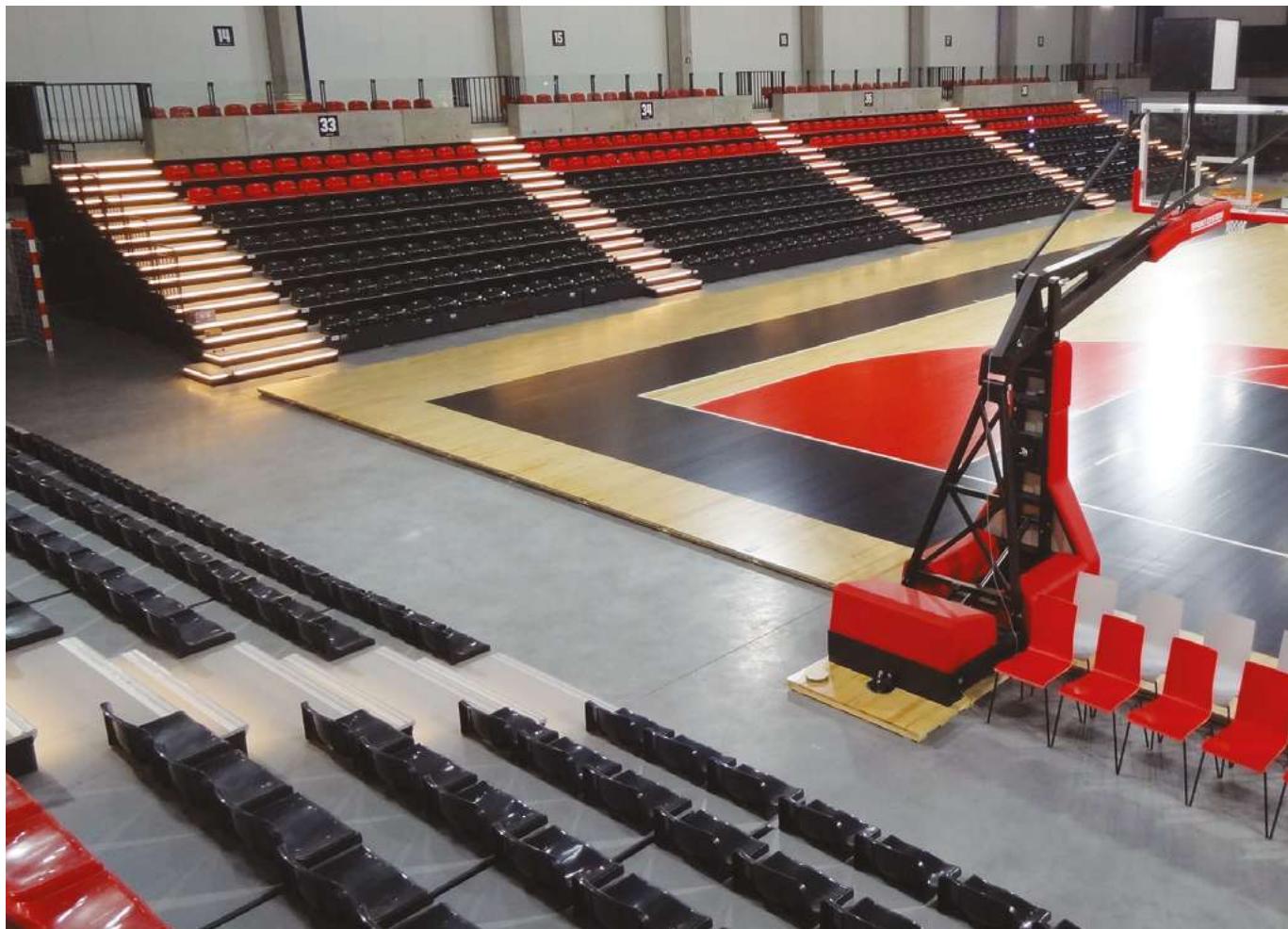
Lumen output of LED (based on CCT chosen)	Wattage / FT	Model and number of rows	Max Run length
Top Light (Side emitting)	89-96	1.5	<b>K-SE-1210-24-8</b>
Bottom Light	92 - 170		19' 6"
245 - 320	1.6		
299 - 370	2.9		
330 - 560	4.4		
	5.6		
		<b>K-CRHD-0530-24</b>	24'
		<b>K-CRHD-1910-24</b>	24'
		<b>K-CR-1275-24</b>	32'
		<b>K-CRHD-1820-24</b>	16' 4"



Additional  
options

Fixture Certified to NSF 2 standards  
when assembled by **KLUŚ**



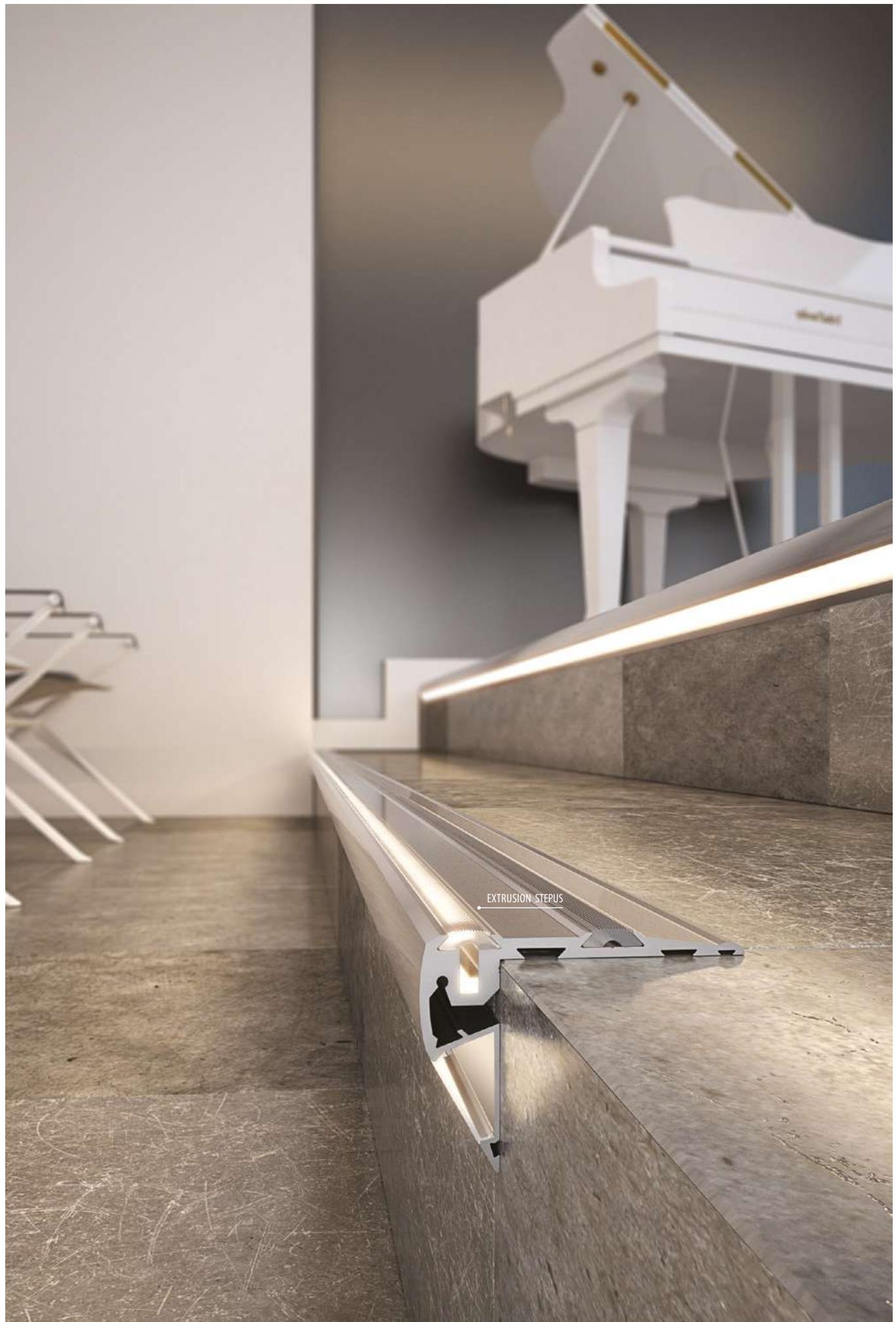


# LED TAPES

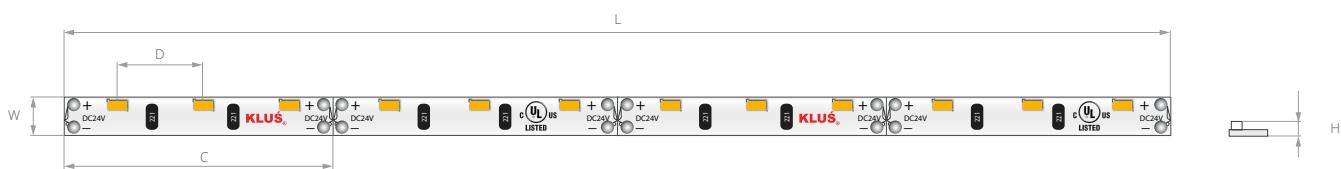




Side emitting



## Side emitting LED strip / K-SE-1210-24



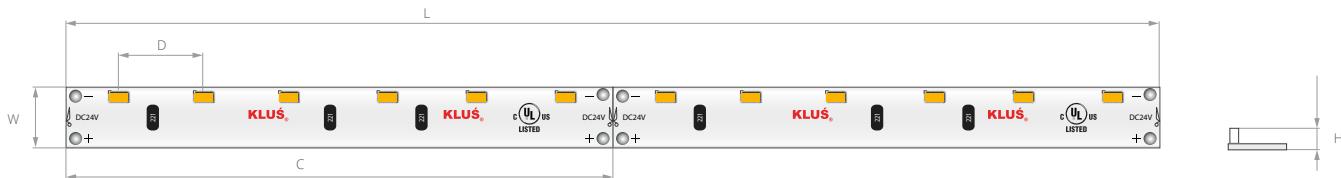
### DIMMENSINS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.2"	[L] 19'8"	[C] 3.94"	[D] 0.66"	[H] 0.08"

### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-SE27-1210-24	2700 K	109 lm/ft	72 lm/W	1.5 W/ft	120°	24 V DC	18
K-SE30-1210-24	3000 K	119 lm/ft	79 lm/W				

## LED strip / K-SE-1210-24-8

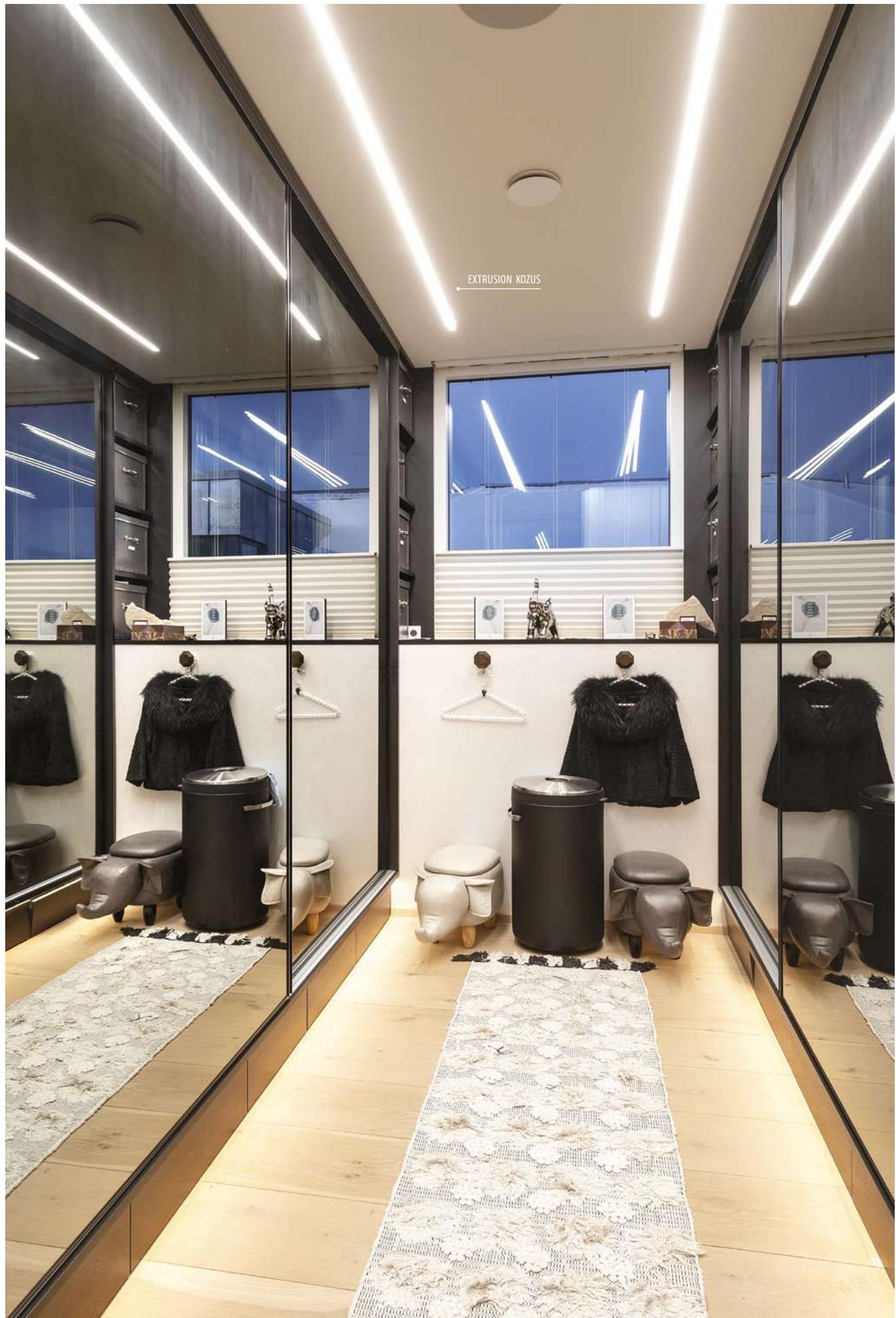


### DIMMENSINS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.31"	[L] 19'8"	[C] 3.94"	[D] 0.66"	[H] 0.08"

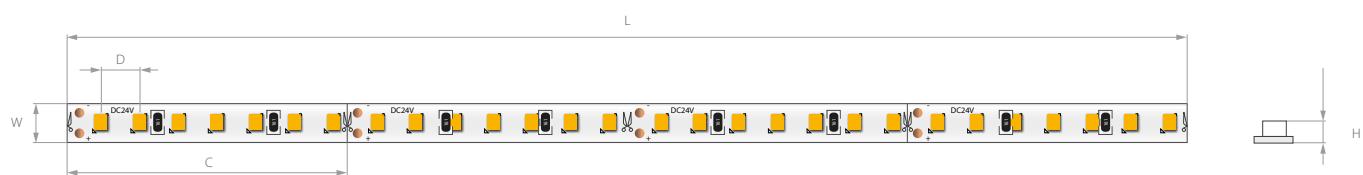
### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-SE27-1210-24-8	2700 K	109 lm/ft	74 lm/W				
K-SE30-1210-24-8	3000 K	119 lm/ft	81 lm/W	1.46 W/ft	120°	24 V DC	18
K-SE40-1210-24-8	4000 K	125 lm/ft	85 lm/W				
K-SE50-1210-24-8	5000 K	125 lm/ft	85 lm/W				



CRI95+

## LED strip / K-1091-24



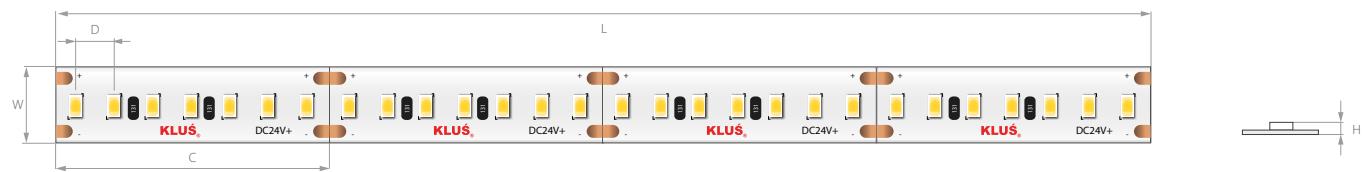
### DIMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.2"	[L] 118.11"	[C] 1.41"	[D] 0.2"	[H] 0.06"

### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-27-1091-24	2700 K	237 lm/ft	85 lm/W				
K-30-1091-24	3000 K	243 lm/ft	87 lm/W				
K-35-1091-24	3500 K	269 lm/ft	96 lm/W	2.77 W/ft	120°	24 V DC	59
K-40-1091-24	4000 K	282 lm/ft	101 lm/W				
K-50-1091-24	5000 K	282 lm/ft	101 lm/W				

## LED strip / K-CRHD-0530-24



### DIMENSIONS

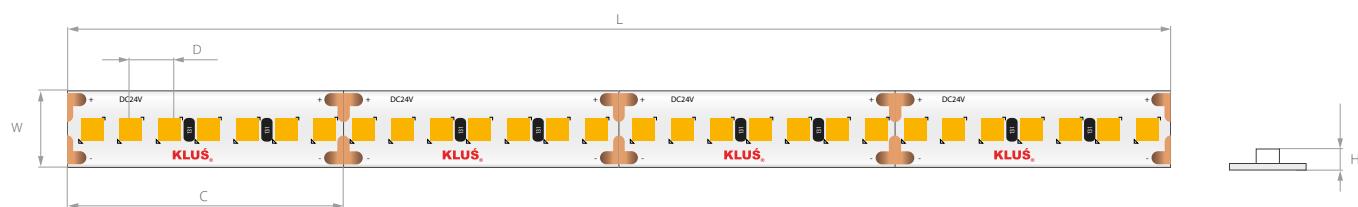
Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 23'11"	[C] 1.04"	[D] 0.15"	[H] 0.12"

### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-CRHD22-0530-24	2200 K	105 lm/ft	64 lm/W				
K-CRHD25-0530-24	2500 K	99 lm/ft	61 lm/W				
K-CRHD27-0530-24	2700 K	117 lm/ft	72 lm/W				
K-CRHD30-0530-24	3000 K	116 lm/ft	71 lm/W	1.62 W/ft	120°	24 V DC	81
K-CRHD35-0530-24	3500 K	137 lm/ft	84 lm/W				
K-CRHD40-0530-24	4000 K	140 lm/ft	86 lm/W				
K-CRHD50-0530-24	5000 K	134 lm/ft	83 lm/W				

CRI95+

## LED strip / K-CRHD-1910-24



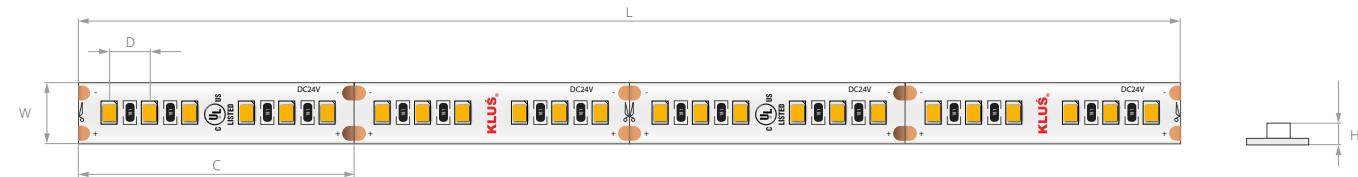
### DIMMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 23'11"	[C] 1.04"	[D] 0.15"	[H] 0.06"

### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-CRHD27-1910-24	2700 K	247 lm/ft	88 lm/W				
K-CRHD30-1910-24	3000 K	263 lm/ft	94 lm/W				
K-CRHD35-1910-24	3500 K	272 lm/ft	98 lm/W	2.77 W/ft	120°	24 V DC	81
K-CRHD40-1910-24	4000 K	272 lm/ft	98 lm/W				
K-CRHD50-1910-24	5000 K	272 lm/ft	98 lm/W				

## LED strip / K-CR-1275-24



### DIMMENSIONS

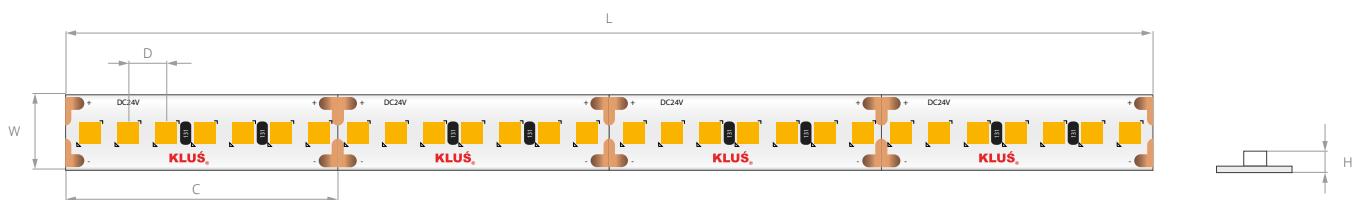
Width	Max run length	Cut every	LED spacing	Height
[W] 0.31"	[L] 32'10"	[C] 1.97"	[D] 0.33"	[H] 0.06"

### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-CR27-1275-24	2700 K	461 lm/ft	105 lm/W				
K-CR30-1275-24	3000 K	461 lm/ft	105 lm/W				
K-CR35-1275-24	3500 K	477 lm/ft	108 lm/W	4.39 W/ft	120°	24 V DC	36
K-CR40-1275-24	4000 K	480 lm/ft	109 lm/W				
K-CR50-1275-24	5000 K	464 lm/ft	105 lm/W				

CRI95+

## LED strip / K-CRHD-1820-24



### DIMMENSIONS

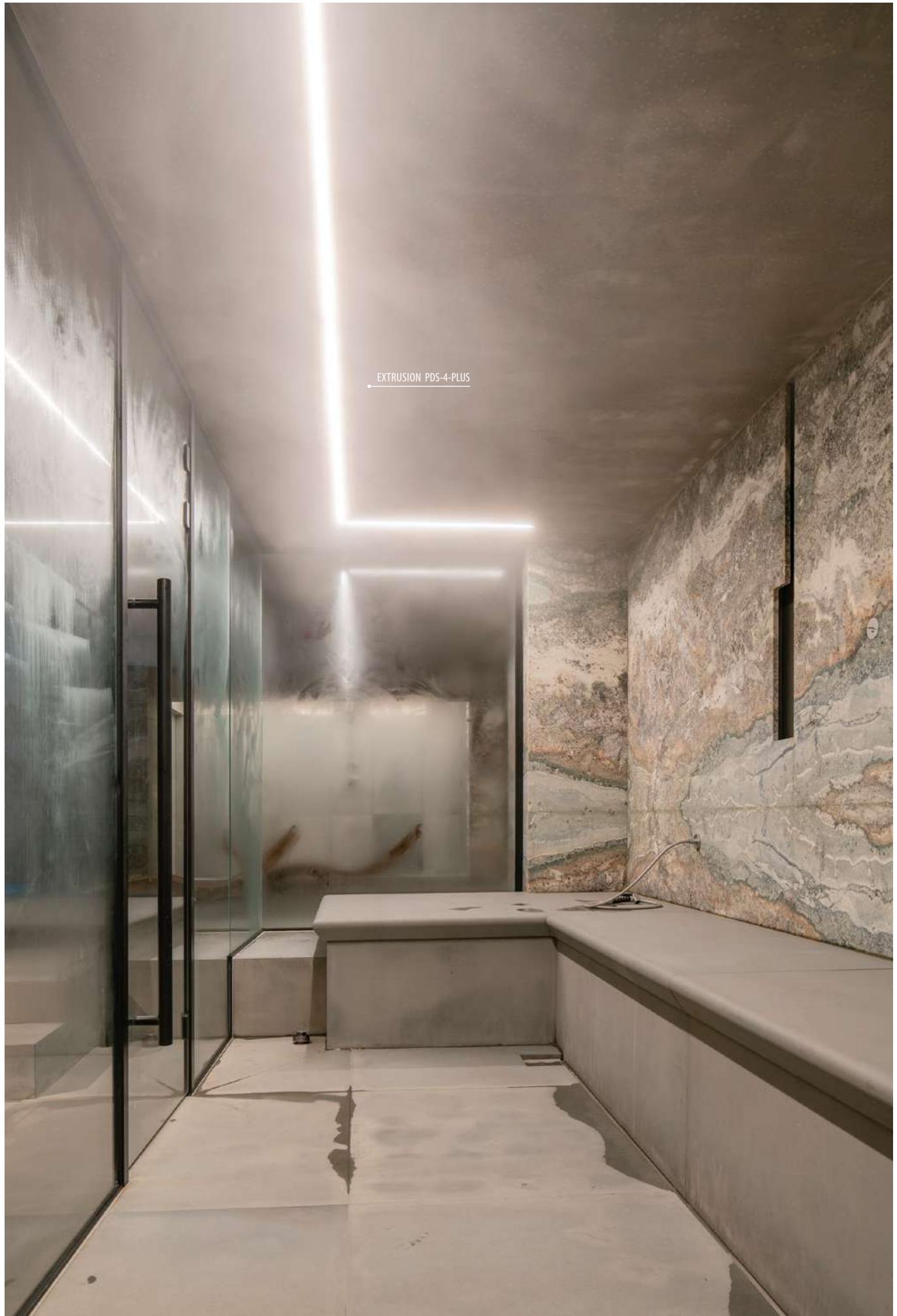
Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 16'5"	[C] 1.04"	[D] 0.15"	[H] 0.06"

### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-CRHD27-1820-24	2700 K	442 lm/ft	88 lm/W				
K-CRHD30-1820-24	3000 K	458 lm/ft	91 lm/W				
K-CRHD35-1820-24	3500 K	474 lm/ft	94 lm/W	5 W/ft	120°	24 V DC	81
K-CRHD40-1820-24	4000 K	487 lm/ft	97 lm/W				
K-CRHD50-1820-24	5000 K	487 lm/ft	97 lm/W				

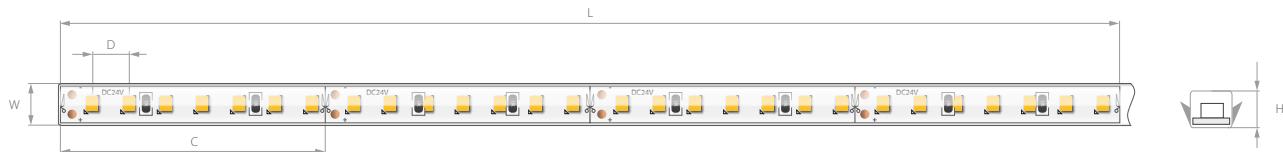


LEDS-IP65



## LEDS-IP65

### LED strip / LED KWP-5K-1091-24



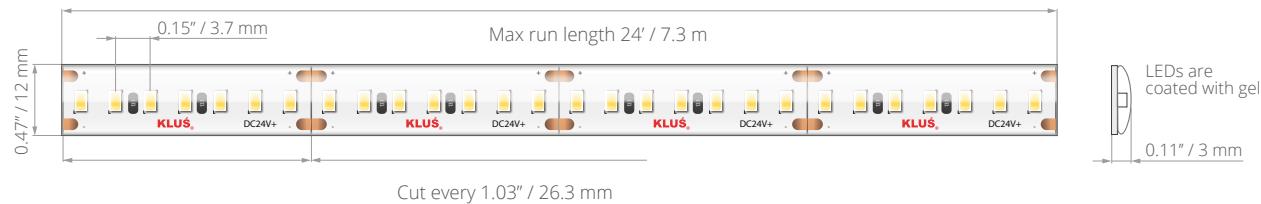
#### DIMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.28"	[L] 118.11"	[C] 1.41"	[D] 0.2"	[H] 0.16"

#### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
KWP-5K27-1091-24	2700 K	237 lm/ft	85 lm/W				
KWP-5K30-1091-24	3000 K	243 lm/ft	87 lm/W				
KWP-5K35-1091-24	3500 K	269 lm/ft	96 lm/W	2.77 W/ft	120°	24 V DC	59
KWP-5K40-1091-24	4000 K	282 lm/ft	101 lm/W				
KWP-5K50-1091-24	5000 K	282 lm/ft	101 lm/W				

### LED strip / KWP-GHD-0530-24

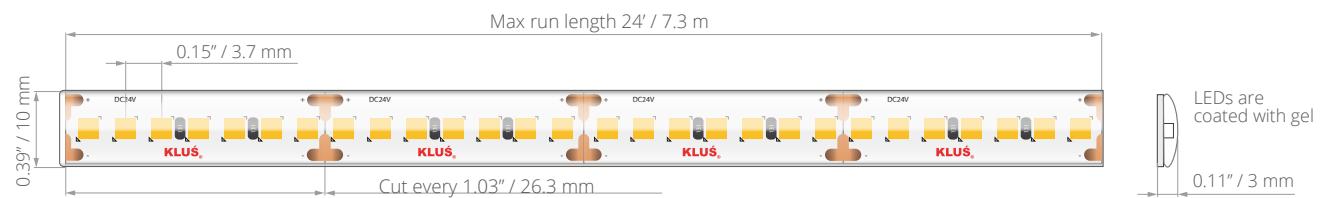


#### DIMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] "	[L] "	[C] "	[D] "	[H] "

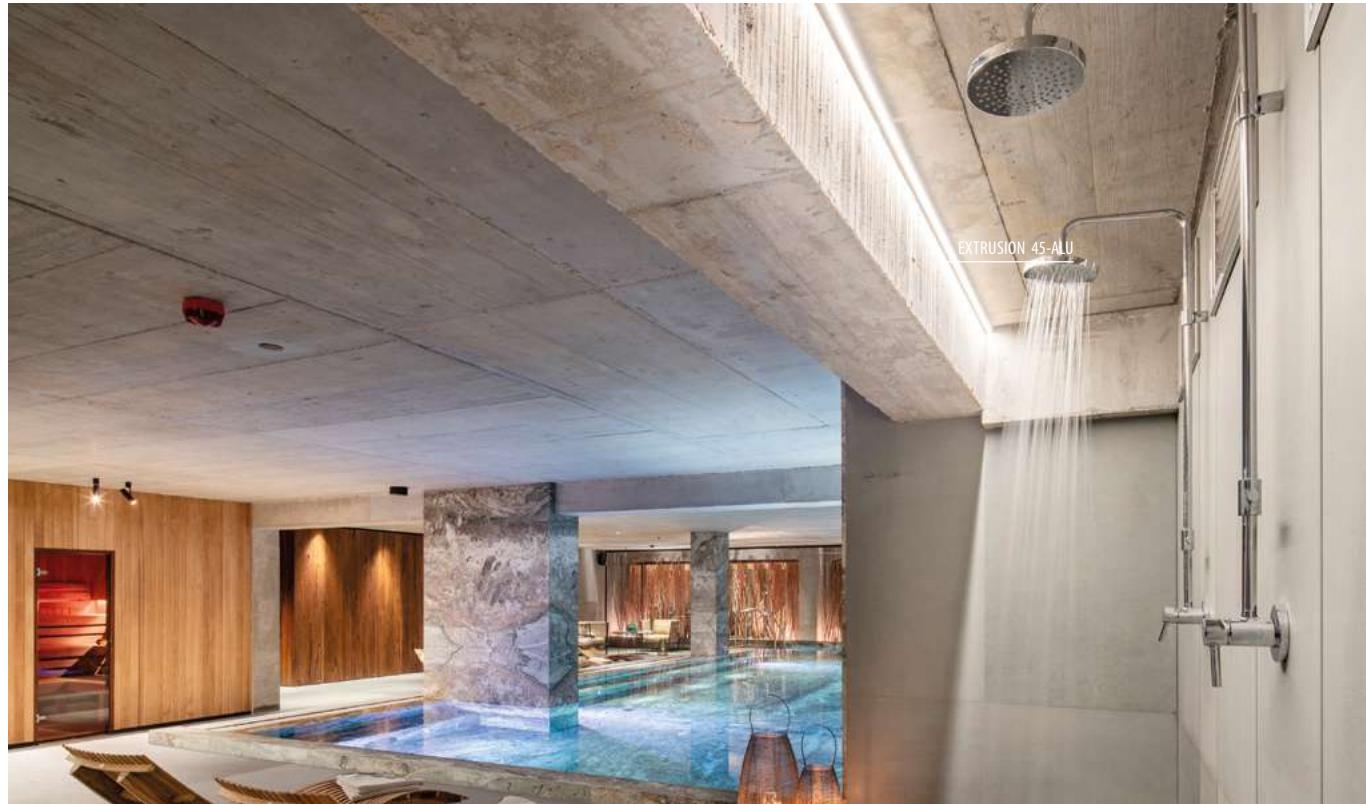
Model	IP protection	Power consumption	Color temperature	Lumen output	Diode QTY per foot	Input voltage	Beam Angle	Max run length	LED width
KWP-GHD22-0530-24	IP 65	1.6 W/ft	2200 K	82 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD25-0530-24	IP 65	1.6 W/ft	2500 K	89 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD27-0530-24	IP 65	1.6 W/ft	2700 K	127 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD30-0530-24	IP 65	1.6 W/ft	3000 K	138 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD35-0530-24	IP 65	1.6 W/ft	3500 K	143 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD40-0530-24	IP 65	1.6 W/ft	4000 K	143 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD50-0530-24	IP 65	1.6 W/ft	5000 K	152 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm

## KWP-GHD-1910-24

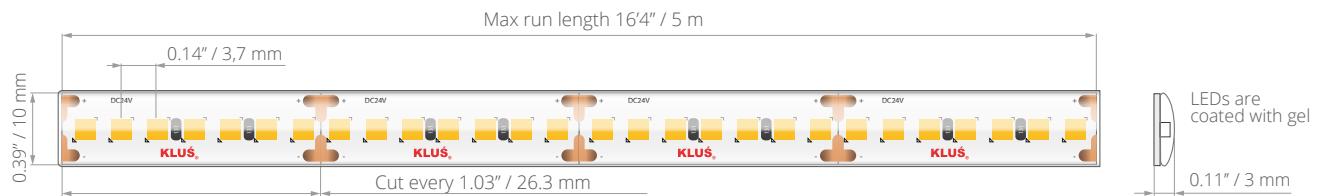


## DIMMENSIONS

Width [W] "	Max run length [L] "	Cut every [C] "	LED spacing [D] "	Height [H] "
KWP-GHD22-1910-24	IP 65	2.84 W/ft	2200 K	210 lm/ft
KWP-GHD25-1910-24	IP 65	2.84 W/ft	2500 K	241 lm/ft
KWP-GHD27-1910-24	IP 65	2.8 W/ft	2700 K	250 lm/ft
KWP-GHD30-1910-24	IP 65	2.8 W/ft	3000 K	259 lm/ft
KWP-GHD35-1910-24	IP 65	2.8 W/ft	3500 K	272 lm/ft
KWP-GHD40-1910-24	IP 65	2.8 W/ft	4000 K	290 lm/ft
KWP-GHD50-1910-24	IP 65	2.84 W/ft	5000 K	288 lm/ft



## KWP-GHD-1640-24



## DIMMENSINS

Width [W] 0.4"	Max run length [L] 196.9"	Cut every [C] 1"	LED spacing [D] 0.1"	Height [H] 0.1"
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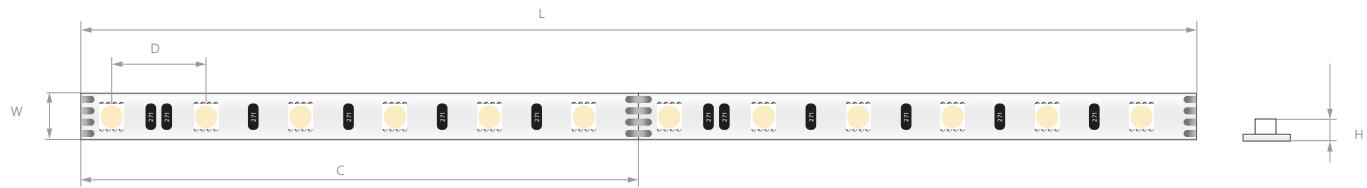
Model	IP protection	Power consumption	Color temperature	Lumen output	Diode QTY per foot	Input voltage	Beam Angle	Max run length	LED width
KWP-GHD22-1640-24	IP 65	5 W/ft	2200 K	332 lm/ft	81 pcs/ft	24 V	120 °	16'4"	10 mm
KWP-GHD25-1640-24	IP 65	5 W/ft	2500 K	396 lm/ft	81 pcs/ft	24 V	120 °	16'4"	10 mm
KWP-GHD27-1640-24	IP 65	5 W/ft	2700 K	360 lm/ft	81 pcs/ft	24 V	120 °	16'4"	10 mm
KWP-GHD30-1640-24	IP 65	5 W/ft	3000 K	400 lm/ft	81 pcs/ft	24 V	120 °	16'4"	10 mm
KWP-GHD35-1640-24	IP 65	5 W/ft	3500 K	421 lm/ft	81 pcs/ft	24 V	120 °	16'4"	10 mm
KWP-GHD40-1640-24	IP 65	5 W/ft	4000 K	450 lm/ft	81 pcs/ft	24 V	120 °	16'4"	10 mm
KWP-GHD50-1640-24	IP 65	5 W/ft	5000 K	496 lm/ft	81 pcs/ft	24 V	120 °	16'4"	10 mm





## RGB / RGBW

### LED strip / K-RGB-1560-24



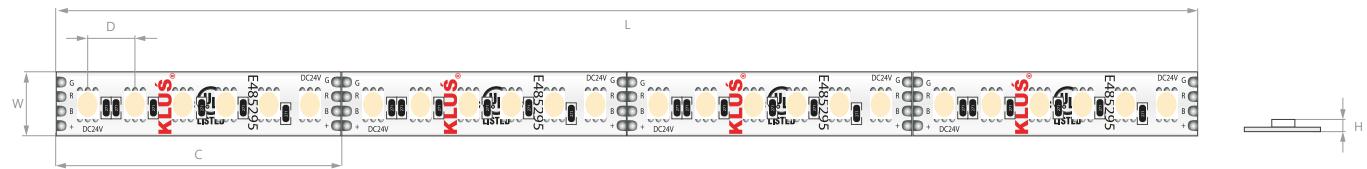
#### DIMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.24"	[L] 32'2"	[C] 3.94"	[D] 0.66"	[H] 0.08"

#### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-RGB-1560-24	RED	36 lm/ft	25 lm/W	1.43 W/ft	120°	24 V DC	29
	GREEN	108 lm/ft	75 lm/W				
	BLUE	27 lm/ft	18 lm/W				

### LED strip / K-RGB-0700-120-24



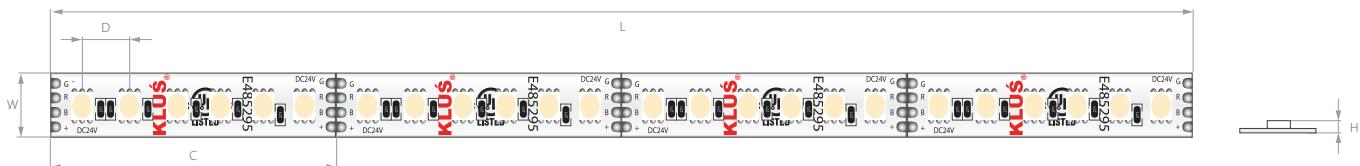
#### DIMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.31"	[L] 22'12"	[C] 1.97"	[D] 0.33"	[H] 0.1"

#### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-RGB-0700-120-24	RED	2.13 W/ft	120°	24 V DC	36	24 V DC	36
	GREEN						
	BLUE						

## LED strip / K-RGB-1200-120-24



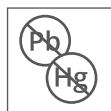
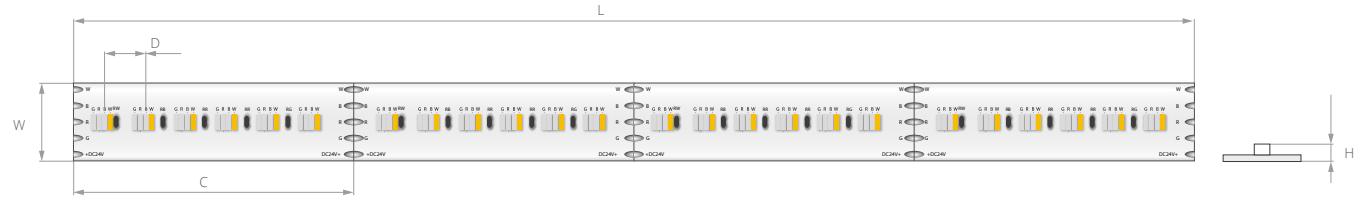
## DIMMENSINS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.31"	[L] 18'1"	[C] 1.97"	[D] 0.33"	[H] 0.1"

## TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
	RED						
K-RGB-1200-120-24	GREEN		3.66 W/ft		120°	24 V DC	36
	BLUE						

## LED strip / K-RGBW-1530-24



## DIMMENSINS

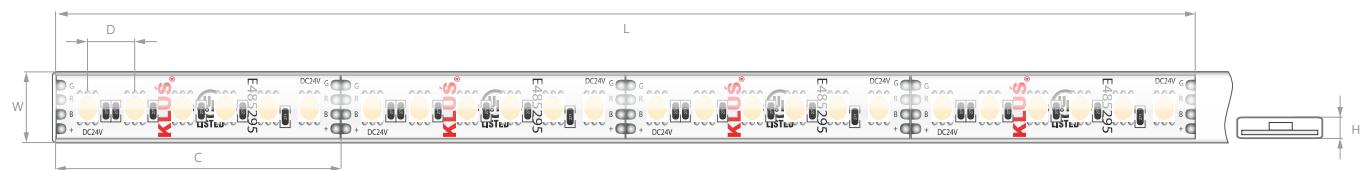
Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 19'8"	[C] 2.46"	[D] 0.39"	[H] 0.06"

## TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
	3000 K	77 lm/ft	16 lm/W				
K-RGBW-1530-24	RED	15 lm/ft	3 lm/W	4.66 W/ft	120°	24 V DC	117
	GREEN	101 lm/ft	21 lm/W				
	BLUE	21 lm/ft	4 lm/W				

## RGB / RGBW

### LED strip / KWP-RGB-0700-120-24



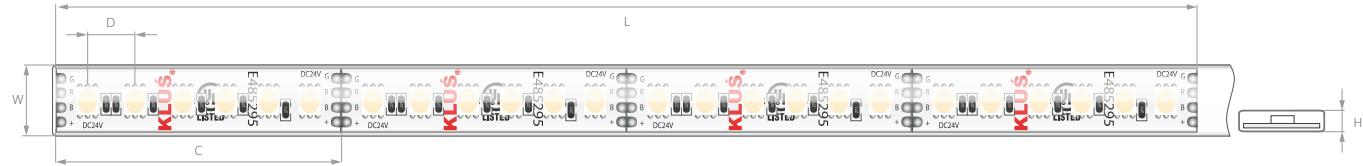
#### DIMMENSINS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 22'12"	[C] 1.97"	[D] 0.33"	[H] 0.16"

#### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
	RED						
KWP-RGB-0700-120-24	GREEN	2.13 W/ft		120°	24 V DC	36	
	BLUE						

### LED strip / KWP-RGB-1200-120-24



#### DIMMENSINS

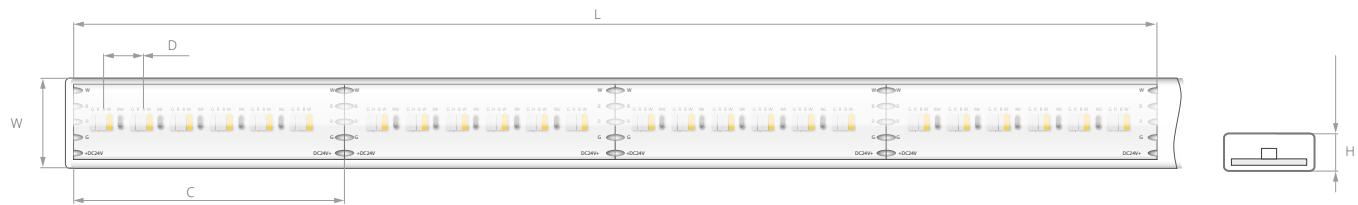
Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 16'5"	[C] 1.97"	[D] 0.33"	[H] 0.16"

#### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
	RED						
KWP-RGB-1200-120-24	GREEN	3.66 W/ft		120°	24 V DC	36	
	BLUE						

RGB / RGBW

## LED strip / KWP-RGBW-1530-24



### DIMMENSINS

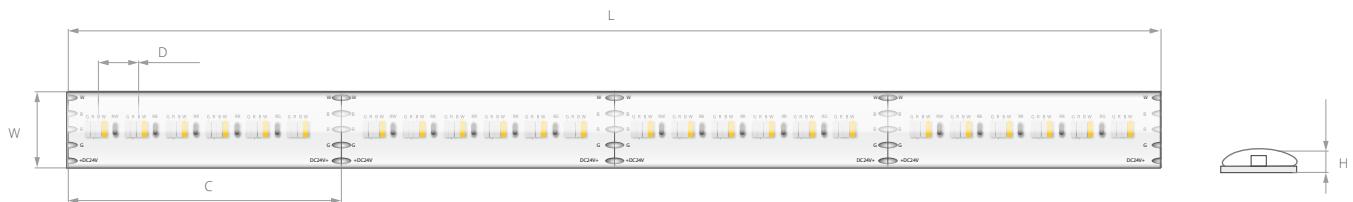
Width	Max run length	Cut every	LED spacing	Height
[W] 0.47"	[L] 19'8"	[C] 2.46"	[D] 0.39"	[H] 0.16"

### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
KWP-RGBW-1530-24V	3000 K	77 lm/ft	65 lm/W				
	RED	15 lm/ft	12 lm/W	1.17 W/ft	120°	24 V DC	117
	GREEN	101 lm/ft	86 lm/W				
	BLUE	21 lm/ft	17 lm/W				



## LED strip / KWP-GRGBW-1530-24



## DIMENSIONS

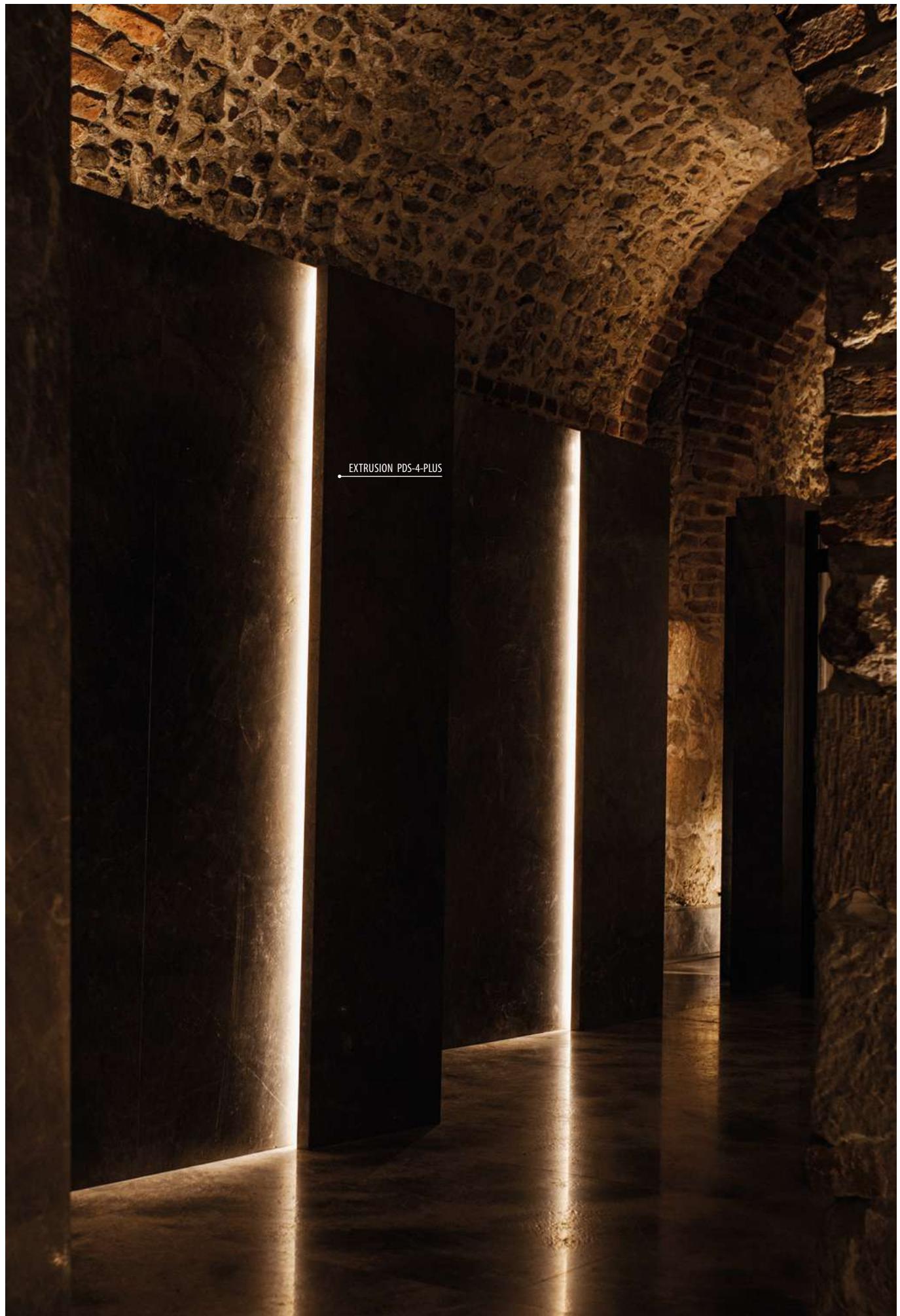
Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 19'8"	[C] 2.46"	[D] 0.39"	[H] 0.12"

## TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
	3000 K	70 lm/ft	60 lm/W				
KWP-GRGBW-1530-24V	RED	14 lm/ft	11 lm/W	1.17 W/ft	120°	24 V DC	117
	GREEN	91 lm/ft	78 lm/W				
	BLUE	18 lm/ft	15 lm/W				



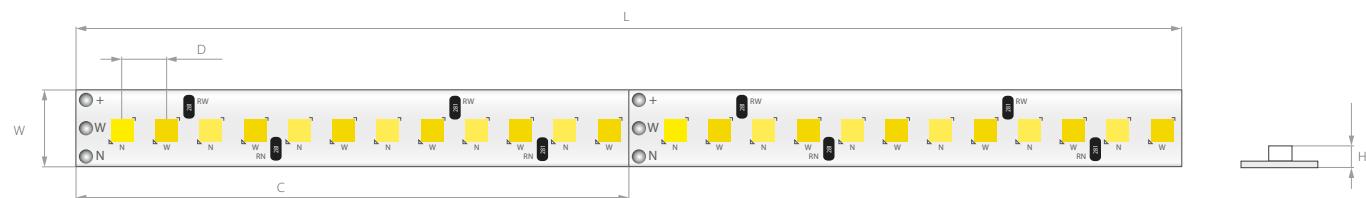
Adjustable White/ Dim to Warm



RÓŻA HOTEL, POLAND, ARCHITECT: Grażyna Grzybek i Michał Grzybek  
PRESS MATERIALS: HOLDING LIWA

## Adjustable White/ Dim to Warm

### LED strip / K-22/50-1728-24



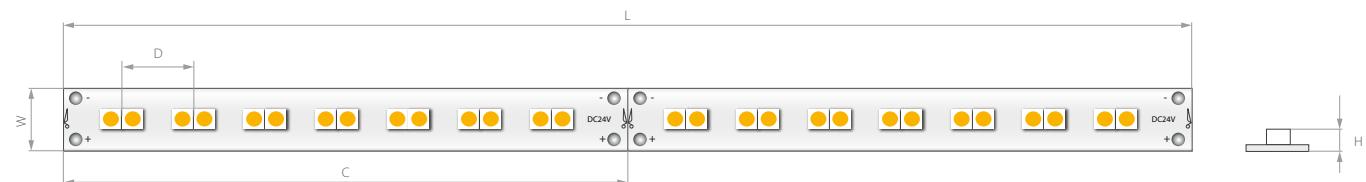
#### DIMMENS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 16'5"	[C] 1.97"	[D] 0.17"	[H] 0.06"

#### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-22/50-1728-24	2200 K - 5000 K	467 lm/ft	88 lm/W	5.27 W/ft	120°	24 V DC	73

### LED strip / K-18/30-1770-24



#### DIMMENS

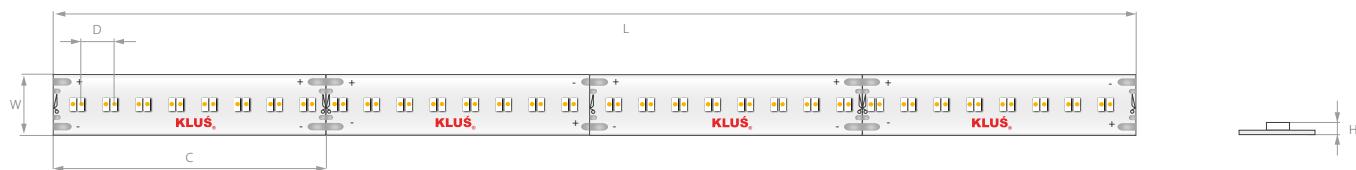
Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 16'5"	[C] 2.46"	[D] 0.26"	[H] 0.14"

#### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-18/30-1770-24	1800 K - 3000 K	279 lm/ft	79 lm/W	3.51 W/ft	120°	24 V DC	68

\* Only to be used with a PWM dimmable power supply

## Adjustable White/ Dim to Warm LED strip / K-18/30-1770-010-24V



### DIMMENSIONS

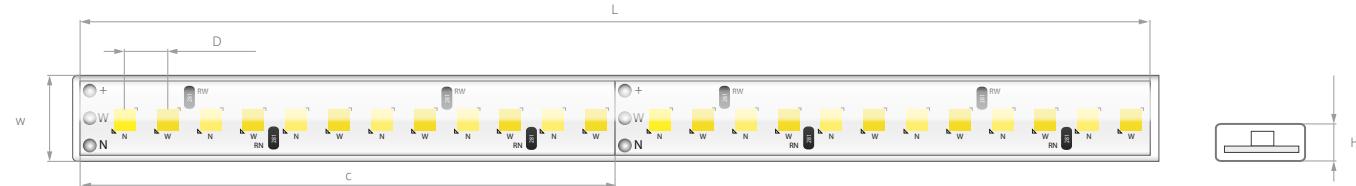
Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 16'5"	[C] 2.81"	[D] 0.26"	[H] 0.14"

### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-18/30-1770-010-24V	1800 K - 3000 K	292 lm/ft	83 lm/W	3.51 W/ft	120°	24 V DC	68

\* Only to be used with a 0-10V dimmable power supply

## LED strip / KWP-22/50-1728-24



### DIMMENSIONS

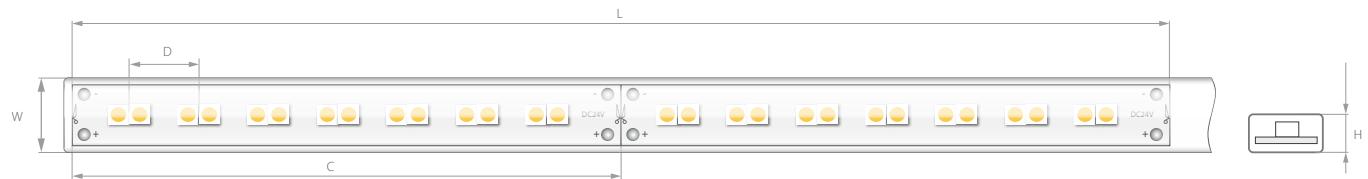
Width	Max run length	Cut every	LED spacing	Height
[W] 0.47"	[L] 16'5"	[C] 1.97"	[D] 0.17"	[H] 0.16"

### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
KWP-22/50-1728-24	2200 K - 5500 K	467 lm/ft	88 lm/W	5.27 W/ft	120°	24 V DC	73

## Adjustable White/ Dim to Warm

### LED strip / KWP-18/30-1770-24



#### DIMMENSIONS

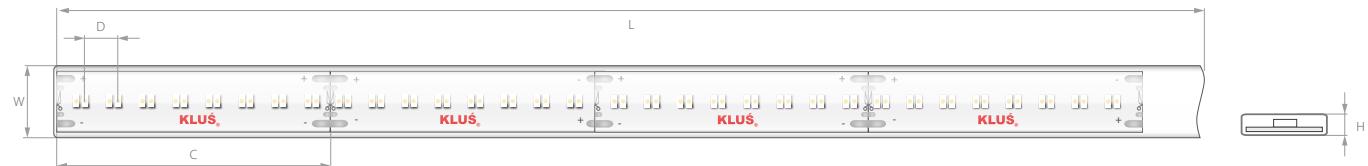
Width [W]	Max run length [L]	Cut every [C]	LED spacing [D]	Height [H]
0.47"	16'5"	2.46"	0.26"	0.16"

#### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
KWP-18/30-1770-24	3000 K - 1800 K	279 lm/ft	79 lm/W	3.51 W/ft	120°	24 V DC	68

\* Only to be used with a PWM dimmable power supply

### LED strip / KWP-18/30-1770-010-24



#### DIMMENSIONS

Width [W]	Max run length [L]	Cut every [C]	LED spacing [D]	Height [H]
0.39"	16'5"	2.81"	0.26"	0.14"

#### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
KWP-18/30-1770-010-24	1800 K - 3000 K	292 lm/ft	83 lm/W	3.51 W/ft	120°	24 V DC	68

\* Only to be used with a 0-10V dimmable power supply



## Micro

### LED strip / K-NFM-0720-24-5M



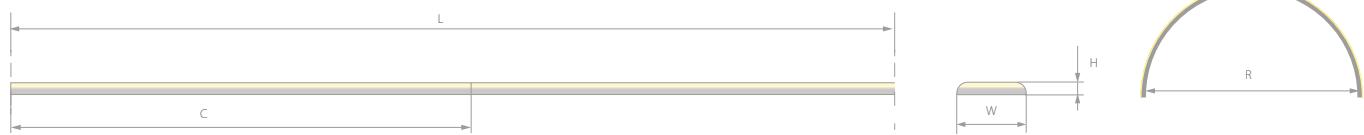
#### DIMMENSINS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.24"	[L] 16'5"	[C] 1.1"		[H] 0.12"

#### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-NFM-22-0720-24-5M	2200 K	102 lm/ft	46 lm/W				
K-NFM-25-0720-24-5M	2500 K	174 lm/ft	79 lm/W				
K-NFM-27-0720-24-5M	2700 K	180 lm/ft	81 lm/W				
K-NFM-30-0720-24-5M	3000 K	168 lm/ft	76 lm/W	2.2 W/ft	120°	24 V DC	102
K-NFM-35-0720-24-5M	3500 K	198 lm/ft	90 lm/W				
K-NFM-40-0720-24-5M	4000 K	102 lm/ft	46 lm/W				
K-NFM-50-0720-24-5M	5000 K	207 lm/ft	94 lm/W				

### LED strip / K-NFM-1920-24-5M

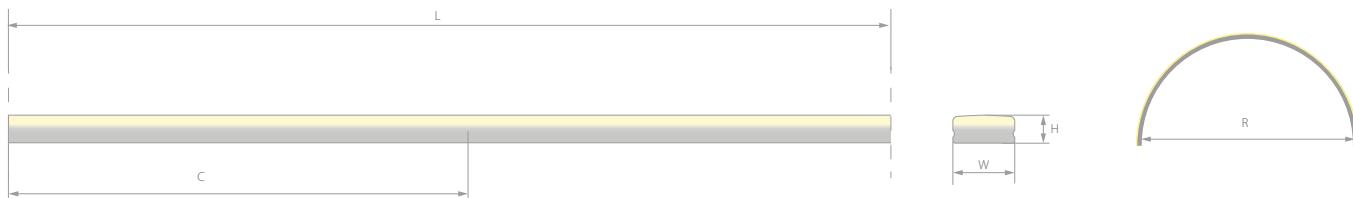


#### DIMMENSINS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 16'5"	[C] 0.64"		[H] 0.16"

#### TECHNICAL DATA

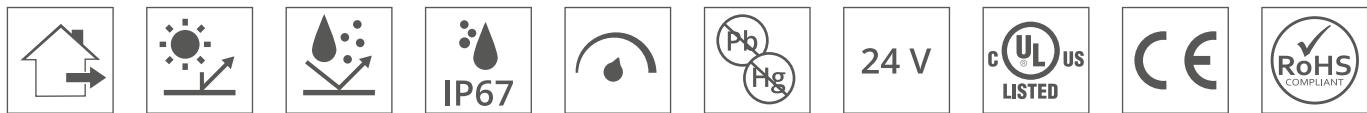
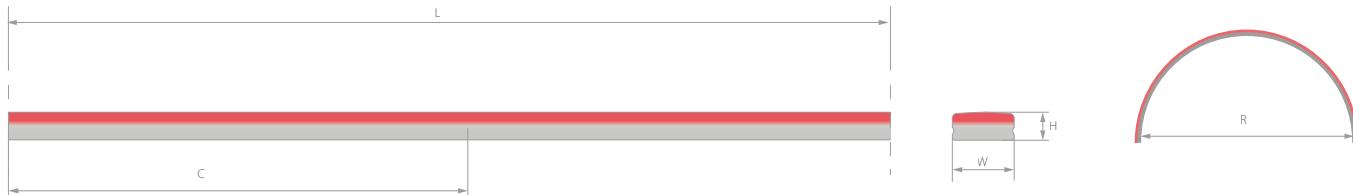
Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-NFM-22-1920-24-5M	2200 K	298 lm/ft	51 lm/W				
K-NFM-25-1920-24-5M	2500 K	380 lm/ft	65 lm/W				
K-NFM-27-1920-24-5M	2700 K	378 lm/ft	65 lm/W				
K-NFM-30-1920-24-5M	3000 K	105 lm/ft	18 lm/W	5.79 W/ft	120°	24 V DC	128
K-NFM-35-1920-24-5M	3500 K	435 lm/ft	75 lm/W				
K-NFM-40-1920-24-5M	4000 K	418 lm/ft	72 lm/W				
K-NFM-50-1920-24-5M	5000 K	457 lm/ft	78 lm/W				

**LED strip / K-NFM12-25T55-2000-24-5M****DIMMENSIONS / DIMENSIONES**

Width	Max run length	Cut every	LED spacing	Height
[W] 0.5"	[L] 196"	[C] 2"		[H] 0.2"

**TECHNICAL DATA**

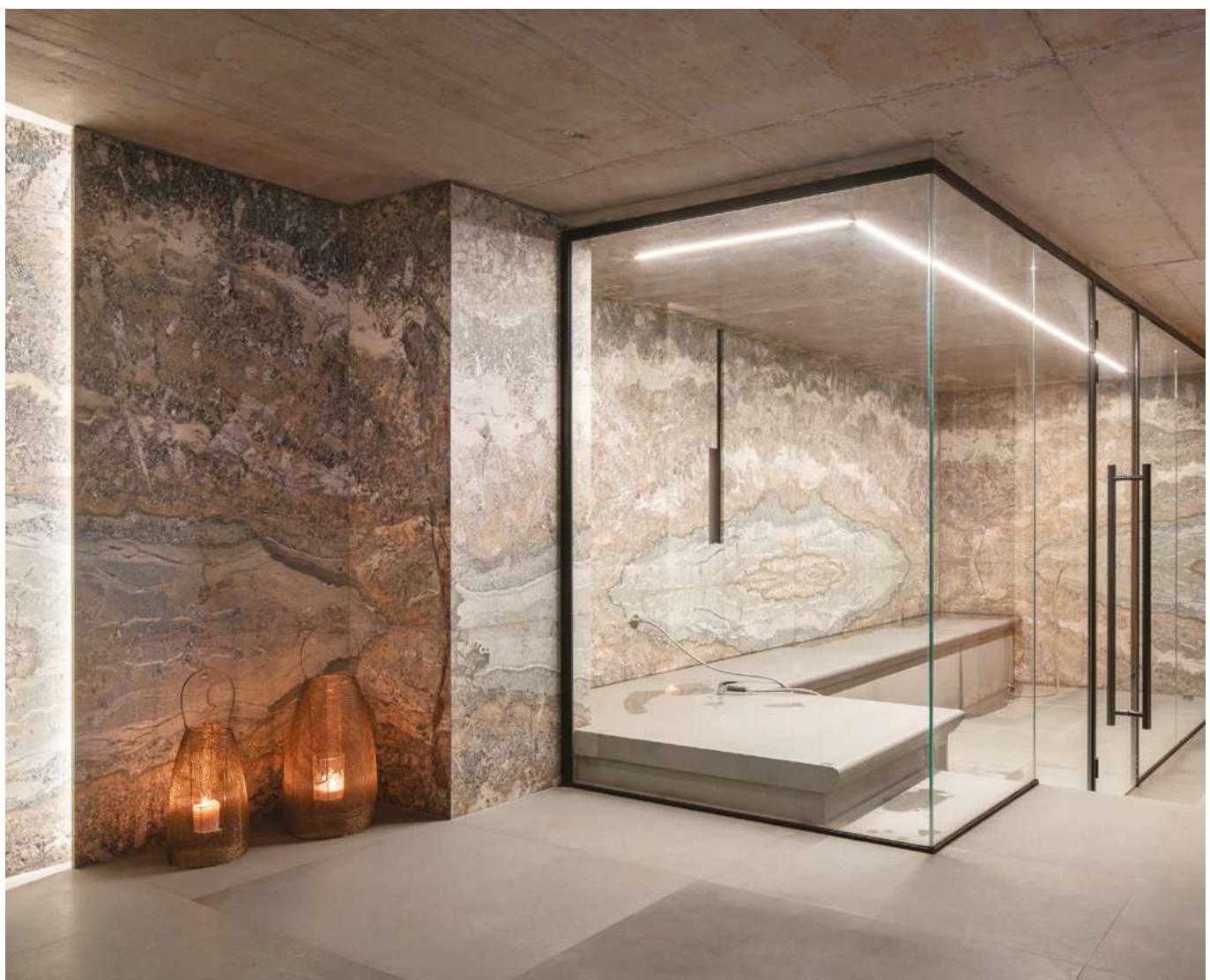
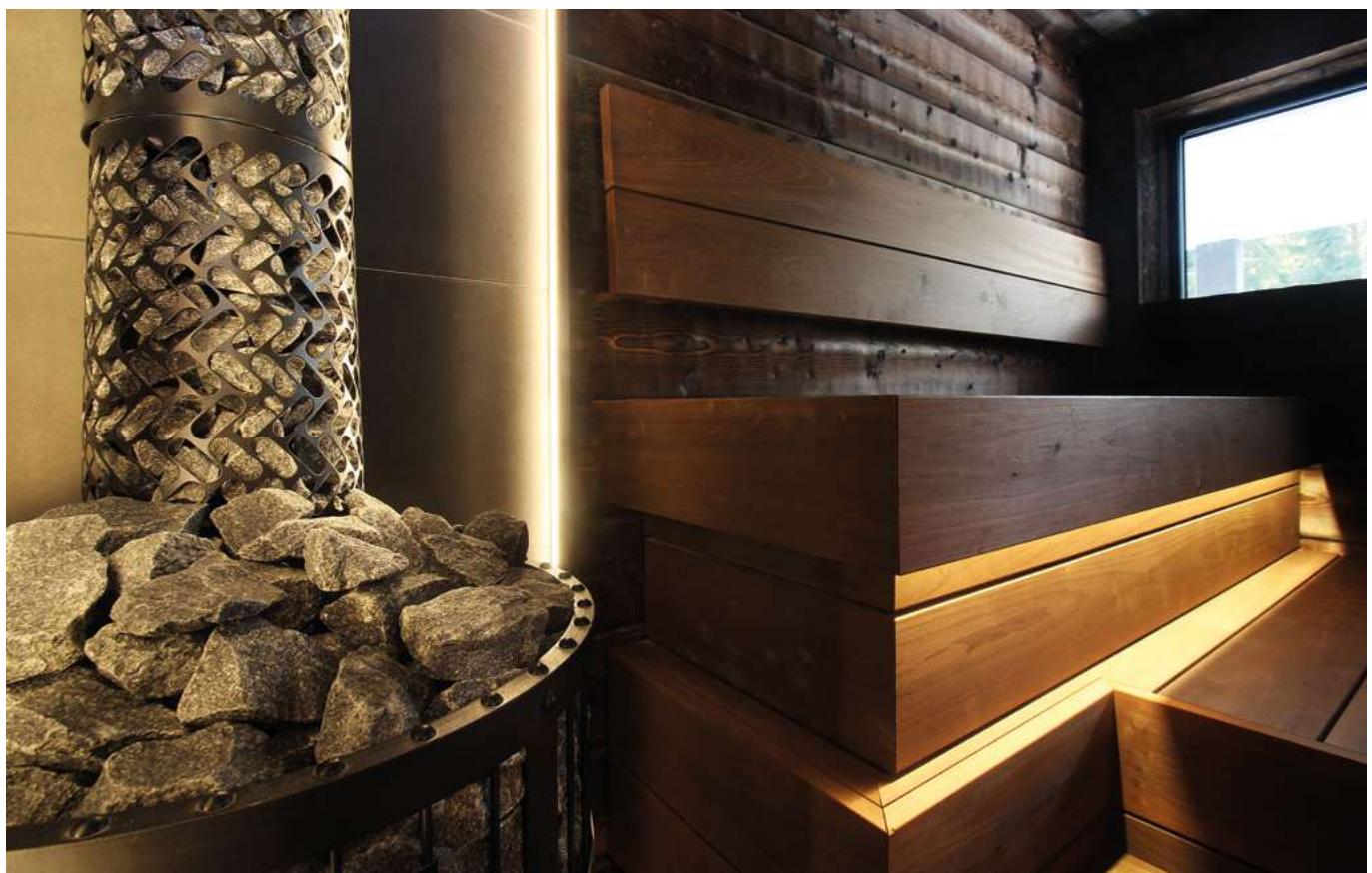
Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-NFM12-25T55-2000-24-5M	2500 K - 5500 K	360 lm/ft	59 lm/W	6.1 W/ft	110°	24 V DC	195

**LED strip / K-NFM12-RGB-1560-24-5M****DIMMENSIONS**

Width	Max run length	Cut every	LED spacing	Height
[W] 0.5"	[L] 196"	[C] 2"		[H] 0.2"

**TECHNICAL DATA**

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-NFM12-RGB-1560-24-5M	RED			4.7 W/ft	110°	24 V DC	256

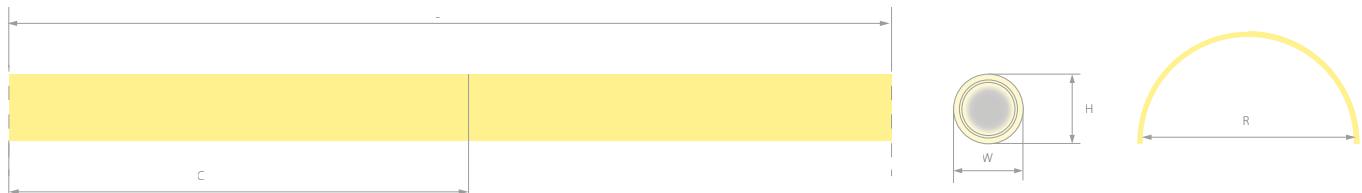


Round



## Round

### LED strip / K-NFR-1600-24-5M



#### DIMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.91"	[L] 16'5"	[C] 1.41"		[H] 0.91"

#### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-NFR-27-1600-24-5M	2700 K	359 lm/ft	73 lm/W				
K-NFR-30-1600-24-5M	3000 K	384 lm/ft	78 lm/W	4.88 W/ft	360°	24 V DC	102
K-NFR-40-1600-24-5M	4000 K	395 lm/ft	81 lm/W				
K-NFR-50-1600-24-5M	5000 K	402 lm/ft	82 lm/W				



Left / right bendable



**Left / right bendable  
LED strip / K-NF-0768-24**



**DIMENSIONS**

Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 16'5"	[C] 2.46"	[D] 0.35"	[H] 0.59"

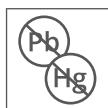
**TECHNICAL DATA**

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-NF-30-0768-24-5M	3000 K	242 lm/ft	103 lm/W				
K-NF-30-0768-24-10M	3000 K	242 lm/ft	103 lm/W				
K-NF-30-0768-24-15M	3000 K	242 lm/ft	103 lm/W				
K-NF-40-0768-24-5M	4000 K	257 lm/ft	109 lm/W				
K-NF-40-0768-24-10M	4000 K	257 lm/ft	109 lm/W	2.34 W/ft	132°	24 V DC	34
K-NF-40-0768-24-15M	4000 K	257 lm/ft	109 lm/W				
K-NF-50-0768-24-5M	5000 K	255 lm/ft	108 lm/W				
K-NF-50-0768-24-10M	5000 K	255 lm/ft	108 lm/W				
K-NF-50-0768-24-15M	5000 K	255 lm/ft	108 lm/W				



Left / right bendable

## LED strip / K-NF-1220-24



### DIMMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.47"	[L] 16'5"	[C] 1.97"	[D] 0.33"	[H] 0.98"

### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-NF-27-1220-24-5M	2700 K	350 lm/ft	119 lm/W				
K-NF-27-1220-24-10M	2700 K	350 lm/ft	119 lm/W				
K-NF-27-1220-24-15M	2700 K	350 lm/ft	119 lm/W				
K-NF-30-1220-24-5M	3000 K	350 lm/ft	119 lm/W				
K-NF-30-1220-24-10M	3000 K	350 lm/ft	119 lm/W				
K-NF-30-1220-24-15M	3000 K	350 lm/ft	119 lm/W				
K-NF-40-1220-24-5M	4000 K	353 lm/ft	120 lm/W	2.93 W/ft	180°	24 V DC	36
K-NF-40-1220-24-10M	4000 K	353 lm/ft	120 lm/W				
K-NF-40-1220-24-15M	4000 K	353 lm/ft	120 lm/W				
K-NF-50-1220-24-5M	5000 K	378 lm/ft	129 lm/W				
K-NF-50-1220-24-10M	5000 K	378 lm/ft	129 lm/W				
K-NF-50-1220-24-15M	5000 K	378 lm/ft	129 lm/W				



Left / right bendable

## LED strip / K-NF-1220-24-SA



### DIMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.5"	[L] 196.9"	[C] 2"	[D] 0.3"	[H] 1"

### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-NF-27-1220-24-5M-SA	2700 K	217 lm/ft	74 lm/W				
K-NF-27-1220-24-10M-SA	2700 K	217 lm/ft	74 lm/W				
K-NF-27-1220-24-15M-SA	2700 K	217 lm/ft	74 lm/W				
K-NF-30-1220-24-5M-SA	3000 K	221 lm/ft	75 lm/W				
K-NF-30-1220-24-10M-SA	3000 K	221 lm/ft	75 lm/W				
K-NF-30-1220-24-15M-SA	3000 K	221 lm/ft	75 lm/W				
K-NF-35-1220-24-5M-SA	3500 K	225 lm/ft	76 lm/W	2.9 W/ft	180°	24 V DC	36
K-NF-35-1220-24-10M-SA	3500 K	225 lm/ft	76 lm/W				
K-NF-35-1220-24-15M-SA	3500 K	225 lm/ft	76 lm/W				
K-NF-40-1220-24-5M-SA	4000 K	241 lm/ft	82 lm/W				
K-NF-40-1220-24-10M-SA	4000 K	241 lm/ft	82 lm/W				
K-NF-40-1220-24-15M-SA	4000 K	241 lm/ft	82 lm/W				



Left / right bendable

## LED strip / K-NF-RGB-1730H-24-5M



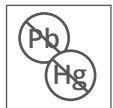
### DIMMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 16'5"	[C] 2.2"	[D] 0	[H] 0.67"

### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
	RED						
K-NF-RGB-1730H-24-5M	GREEN			5.27 W/ft	120°	24 V DC	32
	BLUE						

## LED strip / K-NF-RGBW35-1920H-24-5M



### DIMMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.6"	[L] 196.9"	[C] 2.8"	[D] 0	[H] 0.7"

### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
	3500 K						
	RED						
K-NF-RGBW35-1920H-24-5M	GREEN			5.9 W/ft	120°	24 V DC	25
	BLUE						

Left / right bendable



Up / down bendable



## Up / down bendable LED strip / K-NF-0780-24



### DIMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.55"	[L] 16'5"	[C] 2.46"	[D] 0.35"	[H] 0.55"

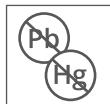
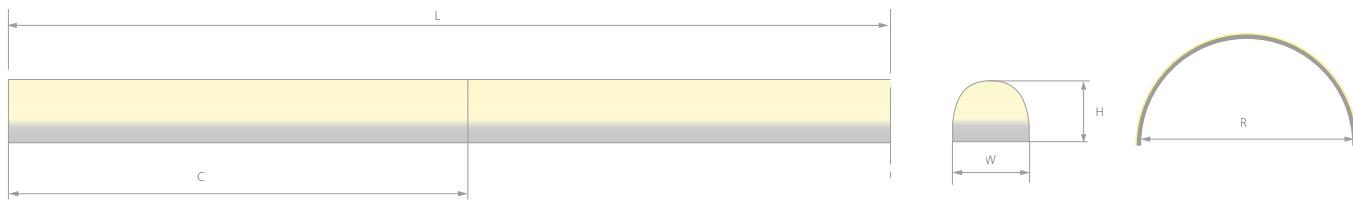
### TECHNICAL DATA

Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-NF-30-0780-24-5M	3000 K	303 lm/ft	127 lm/W				
K-NF-30-0780-24-10M	3000 K	303 lm/ft	127 lm/W				
K-NF-30-0780-24-15M	3000 K	303 lm/ft	127 lm/W				
K-NF-35-0780-24-5M	3500 K	315 lm/ft	132 lm/W				
K-NF-35-0780-24-10M	3500 K	315 lm/ft	132 lm/W				
K-NF-35-0780-24-15M	3500 K	315 lm/ft	132 lm/W	2.38 W/ft	113°	24 V DC	34
K-NF-40-0780-24-5M	4000 K	352 lm/ft	147 lm/W				
K-NF-40-0780-24-10M	4000 K	352 lm/ft	147 lm/W				
K-NF-40-0780-24-15M	4000 K	352 lm/ft	147 lm/W				
K-NF-50-0780-24-5M	5000 K	363 lm/ft	152 lm/W				
K-NF-50-0780-24-10M	5000 K	363 lm/ft	152 lm/W				
K-NF-50-0780-24-15M	5000 K	363 lm/ft	152 lm/W				



Up / down bendable

## LED strip / K-NF-RGBW35-1730V-24-5M



### DIMENSIONS

Width	Max run length	Cut every	LED spacing	Height
[W] 0.63"	[L] 16'5"	[C] 3.28"	[D] 0	[H] 0.67"

### TECHNICAL DATA

Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-NF-RGBW35-1730V-24-5M	3500 K	94 lm/ft	71 lm/W	1.31 W/ft	113°	24 V DC	21
	RED	19 lm/ft	14 lm/W				
	GREEN	43 lm/ft	33 lm/W				
	BLUE	10 lm/ft	7 lm/W				



Up / down bendable





# POWER SUPPLIES



## Max5 Series 5-Way Universal Dimming 24V LED Drivers



120 • 277VAC



24VDC



CLASS P



MEETS TITLE 24/JAB REQUIREMENTS



DIMMABLE



## ORDERING GUIDE:

1-CHANNEL	MAXIMUM POWER	OUTPUT	LISTING	ENCLOSURE TYPE
MAX5-300-24V	300W			
3-CHANNEL	MAXIMUM POWER	24VDC	UL Listed	NEMA 3R
MAX5-MLT-3-96-24V	288W (96W x 3)			

## Installation:

Integrated junction box with multiple 7/8" knockouts

## Driver Type:

1-Channel, Class 1

## Input Voltage:

Universal 120VAC to 277VAC, 50/60Hz

## Output Voltage:

12VDC. 24VDC

## Enclosure Rating:

NEMA 3R

## Listing:

UL listed, wet location

## Certifications:

UL8750, FCC Consumer Limits (Class B)

## Warranty:

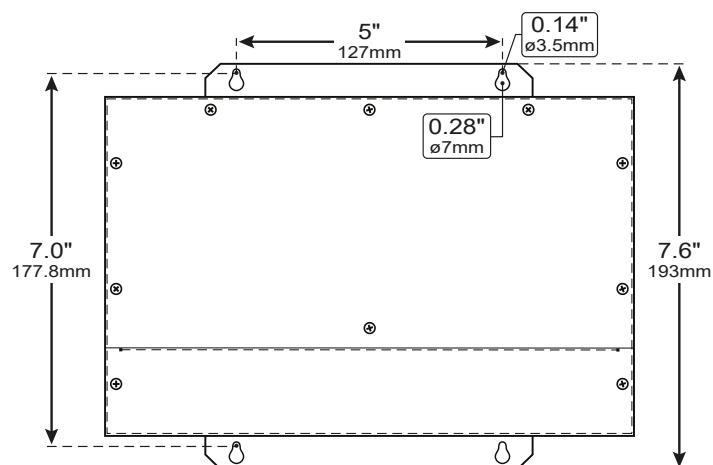
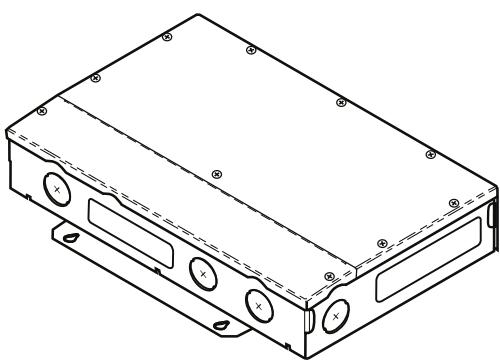
5-Year

## MECHANICAL DIAGRAM :

## SIDE VIEW :



## TOP VIEW :



## ULTRA SERIES

### ULTRA SERIES 3-in-1 Universal Dimming



CLASS 2



120 - 277VAC



24VDC



TYPE HL



SELV



CLASS P



IP66

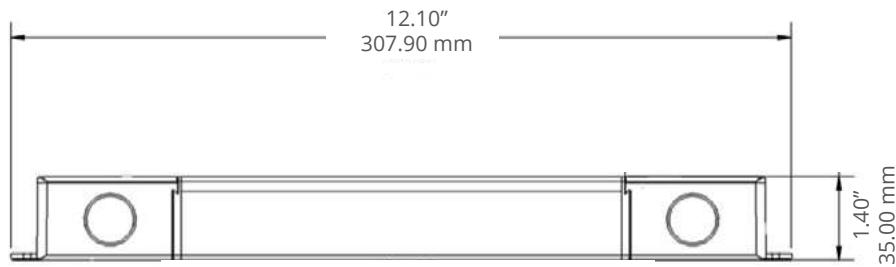
#### ORDERING GUIDE:

PART #	MAXIMUM POWER	OUTPUT	DIMENSIONS
ULTRA-30-24	30 WATT MAX	24VDC	Length: 12.10" (307.90 mm) Width: 2.36" (59.9 mm) Height: 1.40" (35 mm)
ULTRA-60-24	60 WATT MAX	24VDC	
ULTRA-96-24	96 WATT MAX	24VDC	

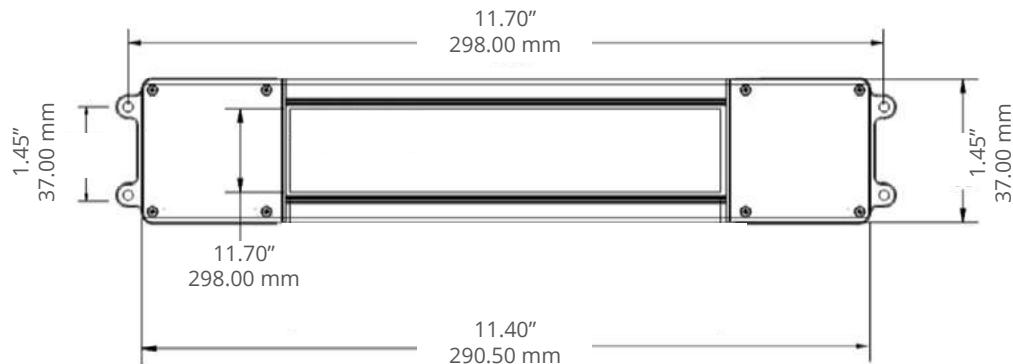
**Installation:** Has an integrated junction box with Multiple  $\frac{7}{8}$ " Knock-Outs  
**Driver Type:** Class 2 Single Channel  
**Input Voltage:** Universal 120VAC to 277VAC. 50/60Hz  
**Output Voltage:** 12VDC. 24VDC  
**IP Rating:** IP66  
**Listing:** Available in UL Listed, Class P, Type HL  
**Certifications:** UL8750  
**Warranty:** 5-Year Warranty

#### MECHANICAL DIAGRAM :

SIDE VIEW :



TOP VIEW :



## ND SERIES NON - DIMMABLE



CLASS 2



120 • 277VAC



24VDC



TYPE HL



SELV

CLASS P



IP66

## ORDERING GUIDE:

PART #	MAXIMUM POWER	OUTPUT	DIMENSIONS
ND-30-24	30 WATT MAX	24VDC	Length: 12.10" (307.90 mm) Width: 2.36" (59.9 mm) Height: 1.40" (35 mm)
ND-60-24	60 WATT MAX	24VDC	
ND-96-24	96 WATT MAX	24VDC	

## Installation:

Has an integrated junction box with  
Multiple  $\frac{7}{8}$ " Knock-Outs

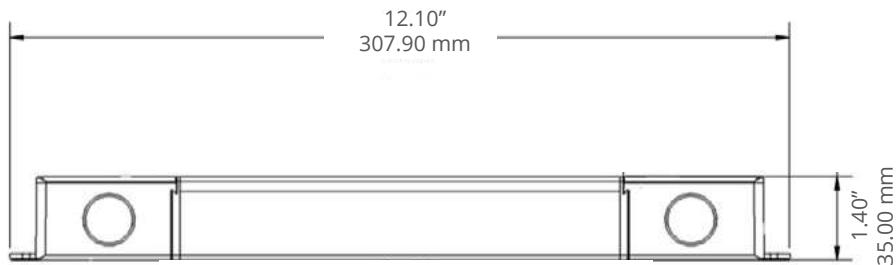
Class 2 Single Channel

Input Voltage: Universal 120VAC to 277VAC, 50/60Hz  
Output Voltage: 12VDC, 24VDCIP Rating: IP66  
Listing: Available in UL Listed, Class P, Type HL  
Certifications: UL8750

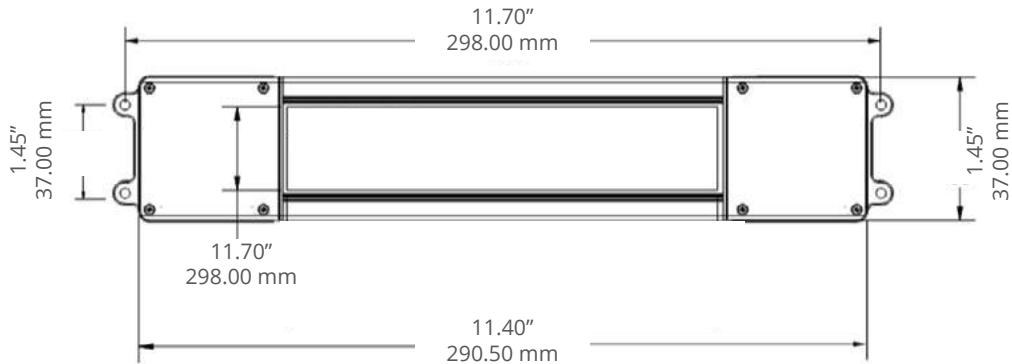
Warranty: 5-Year Warranty

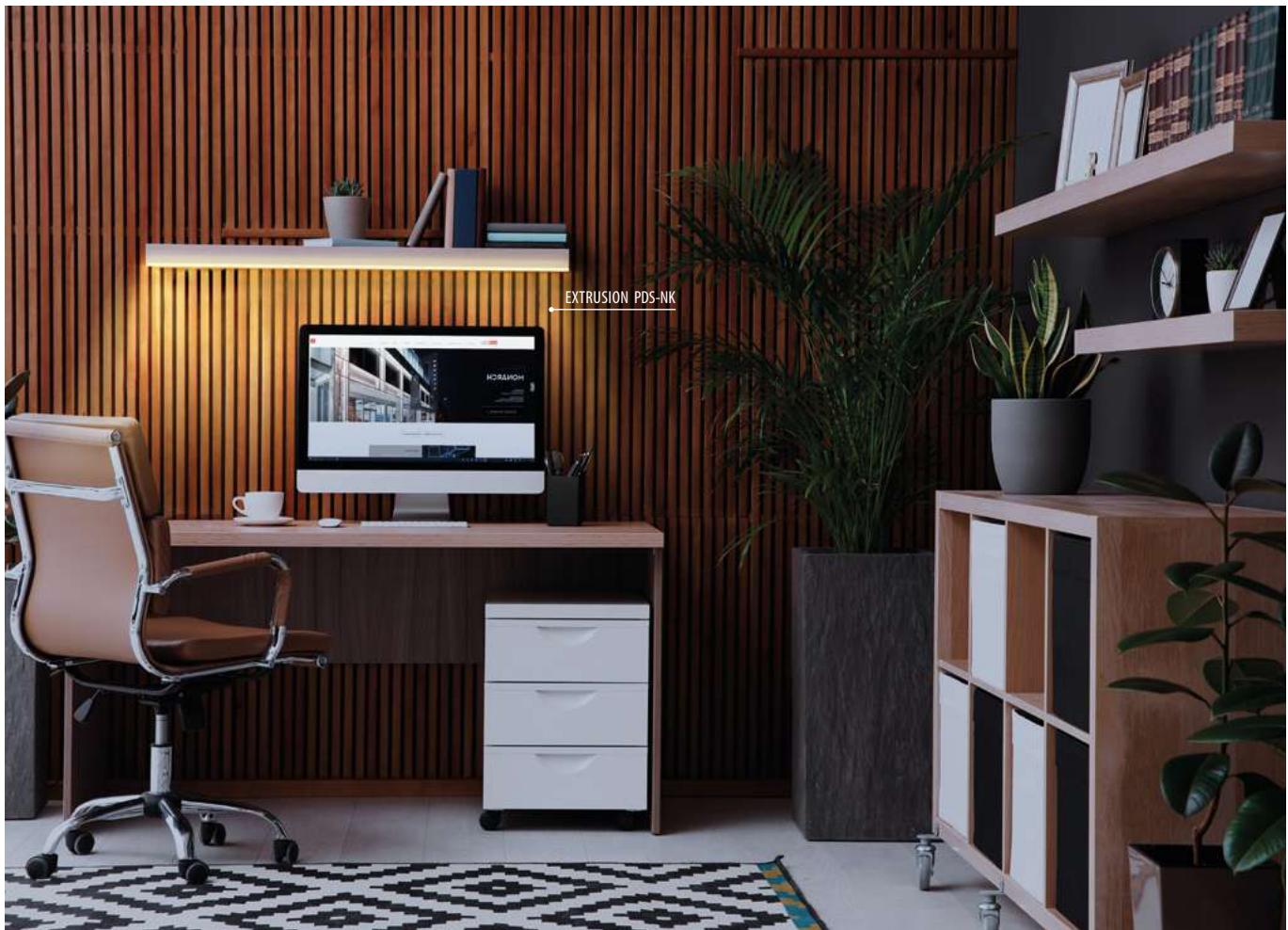
## MECHANICAL DIAGRAM :

SIDE VIEW :



TOP VIEW :





## Notes

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