

KLUS HOME INTEGRATION CATALOG

Corner Mount
Surface Mount
Recessed
Suspended
Traffic
Specialty
Cove



Training Guide

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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.

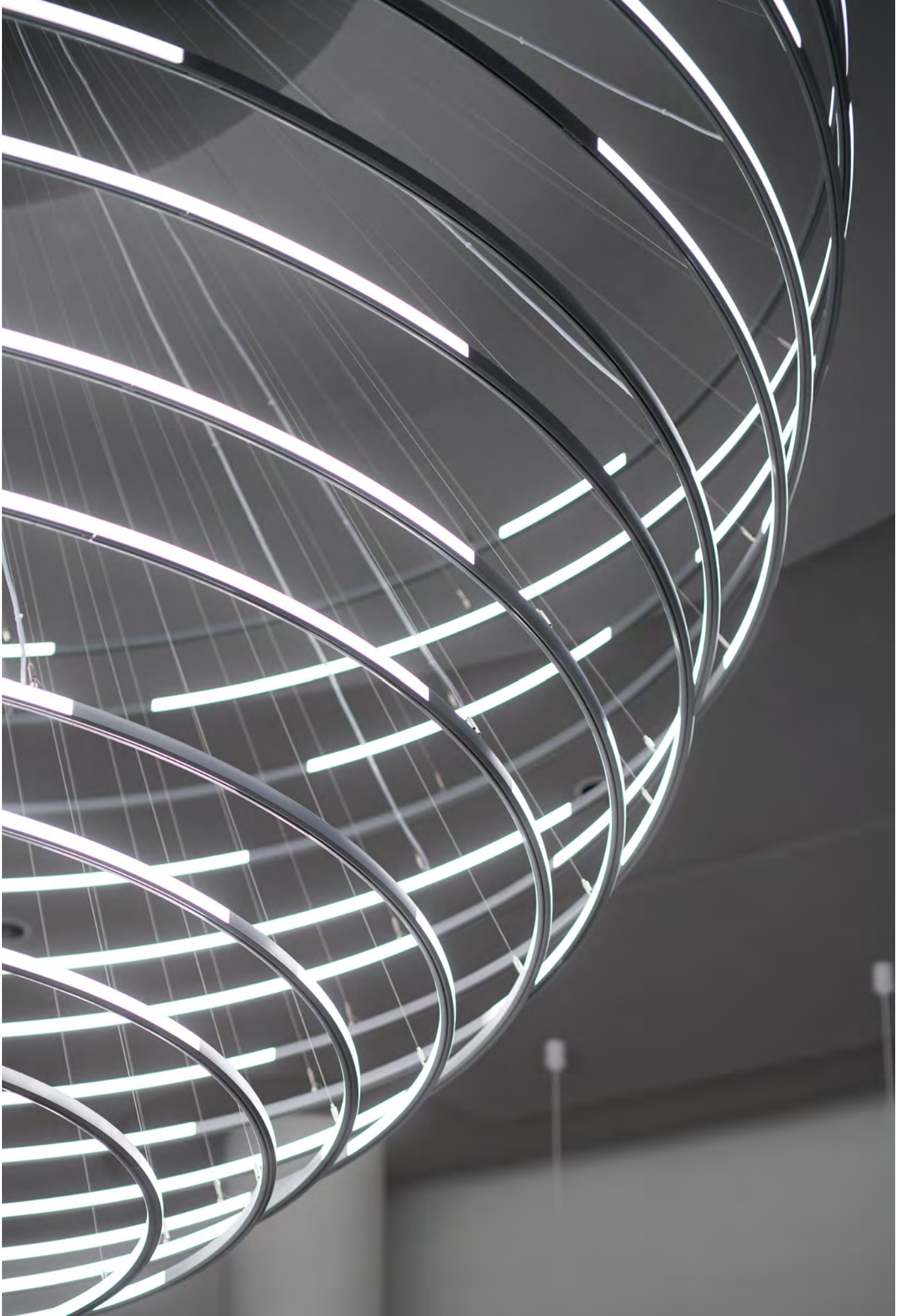
WHY **KLUS®**

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.



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

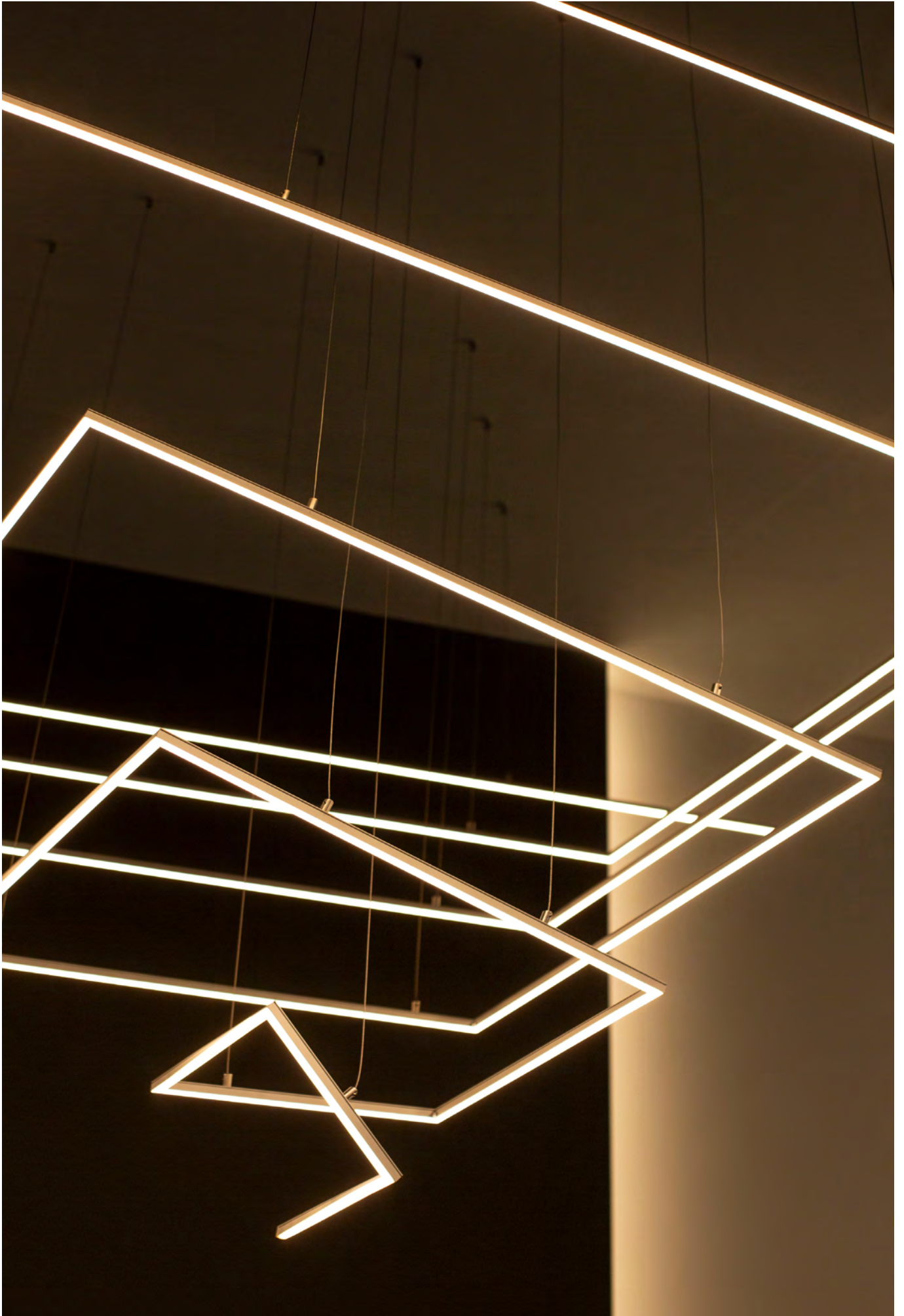
Extrusions dissipate heat generated by the LED tape and enhances the long life benefits of the LED technology

AESTHETICS

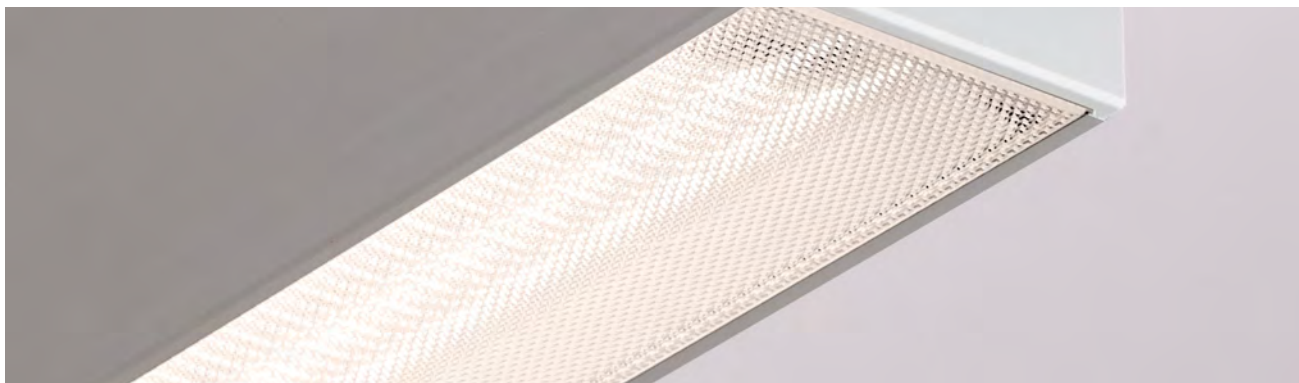
When combined with the ideal extrusion and cover combination, the resulting light is an even illumination across the face of the fixture with no hot spots or visible diodes. The result is diffuse, soft, pleasing light.

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



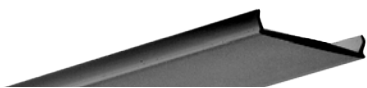
Satin Covers are dedicated to creating a line of light. A line of light is easily achievable with KLUS' satin covers due to excellent diffusing properties and light without visible dots if paired with the proper extrusions and tape light. The satin covers are high quality, provide uniform cross-section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



A CLEAN LINE OF LIGHT

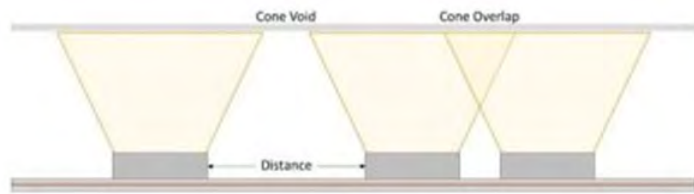
When looking to create that amazing look with KLUS LED's, the first question may be, where to begin? The answer depends on several factors including where the LED lighting is going to be placed. Is it going to be in direct view or is it going to be indirect view?

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

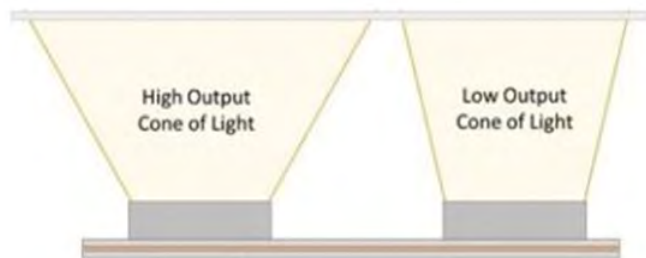
There are many types of covers, each with specific design features for different applications. In this section, lenses and covers are used interchangeably. Generally, the two types of lenses are clear or frosted. Clear lenses can be immediately excluded from this "line of light" discussion, since our 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.



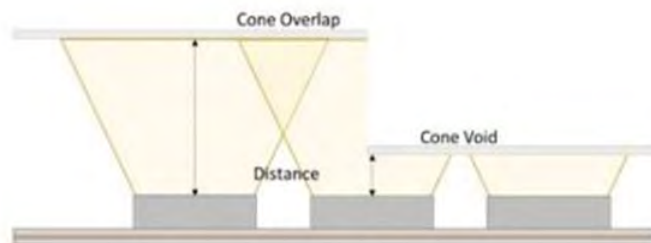
LED SPACING (SHOWN ABOVE)

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 lever 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

HIGH QUALITY 

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 KLUŠ LED strips. L70 over 50,000 hours.

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

CRI 

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.

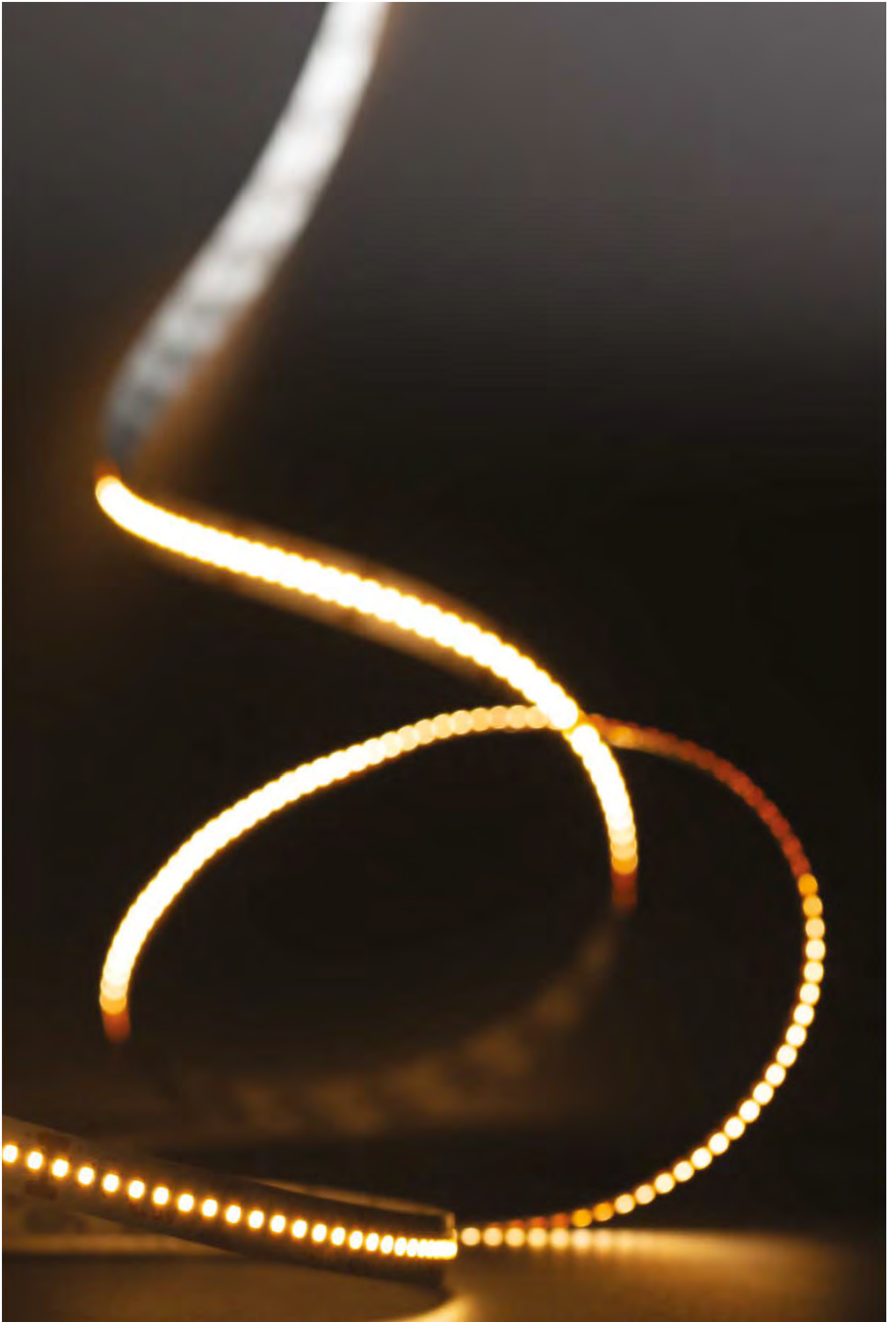
We offer a wide selection of LED strips with colors ranging from warm white 2200K to cool white 5000K. Custom colors are available as well. RGB LED strips can reproduce a broad array of colors that can be controlled with the use of an RGB controller.

65 

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 7/8" 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 7/8" 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.



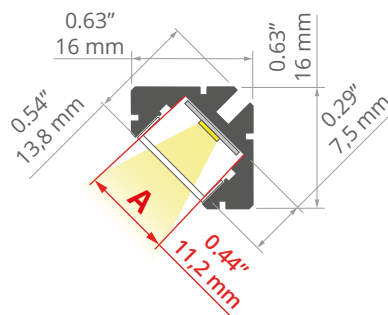


EXTRUSIONS



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
A08504A_2	Silver anodized	78.9"	B17064C_2 B17037S_2 B17037B_2	Clear Satin Black	78.9" 78.9" 78.9"

ACCESSORIES



45-16 grey
end cap
REF. C24206C02



PDS-STN
mounting bracket
REF. C24190N00



PL-PDM
mounting bracket
REF. C24041C02



REG-PD-UV
mounting bracket
REF. C28055C02

* 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	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



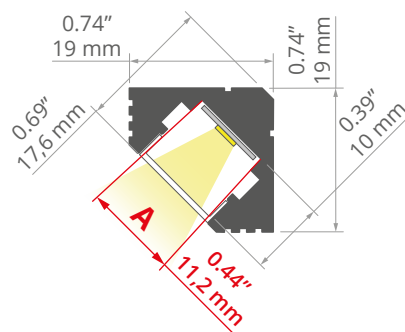
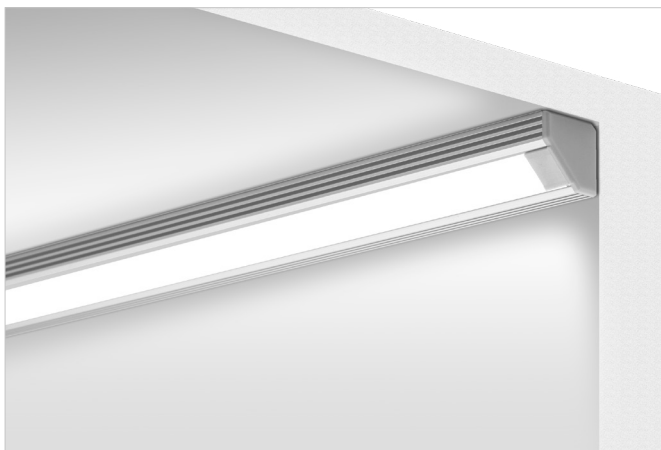
Fixture Certified to NSF 2 standards
when assembled by **KLUS**





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
A04023A_2	Silver anodized	78.9"	B17208C_2	Clear	78.9"
A04023A07_2	Black anodized	78.9"	B17037B_2	Black	78.9"
A04023L10_2	White lacquered	78.9"	B17037S_2	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	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



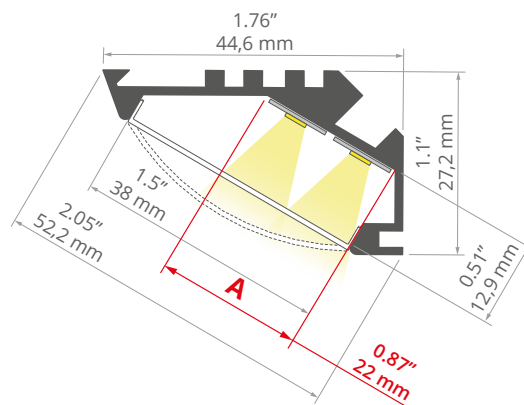
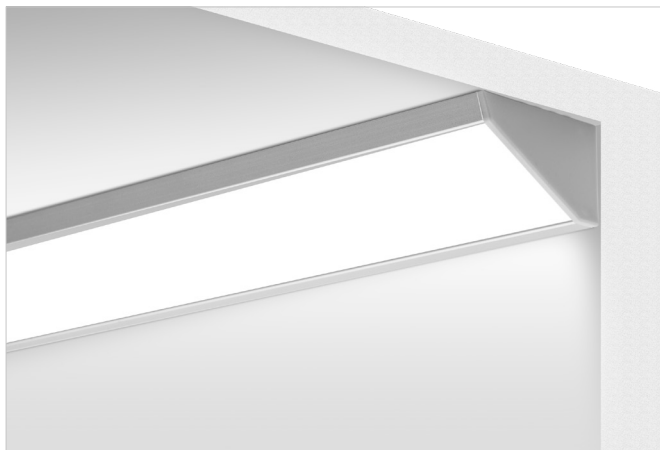
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
A07890A_2	Silver anodized	78.9"	B17092S_2 B17091S_2	Satin, Curved Satin, Flat	78.9" 78.9"

ACCESSORIES



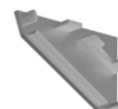
KOPRO-30-L-L
End cap silver
REF. C24173L01



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



Additional
options



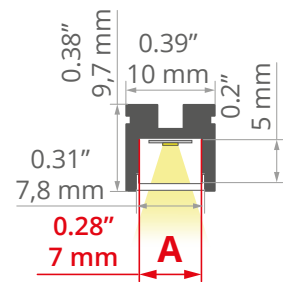
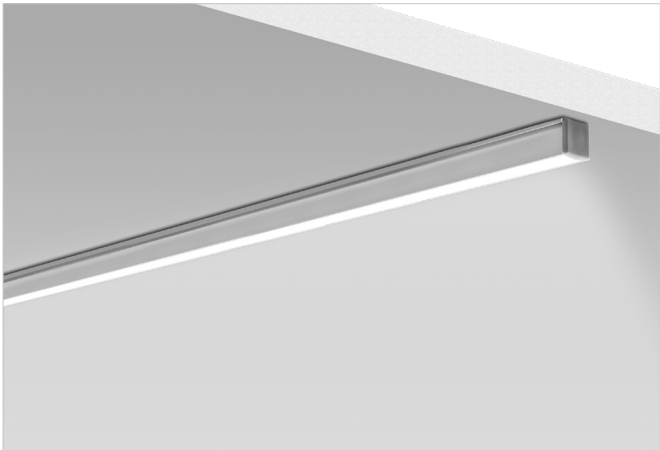
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
A01168A_2	Silver anodized	78.9"	B17034S_2 B17069F_2	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	K-1091-24	9.8'

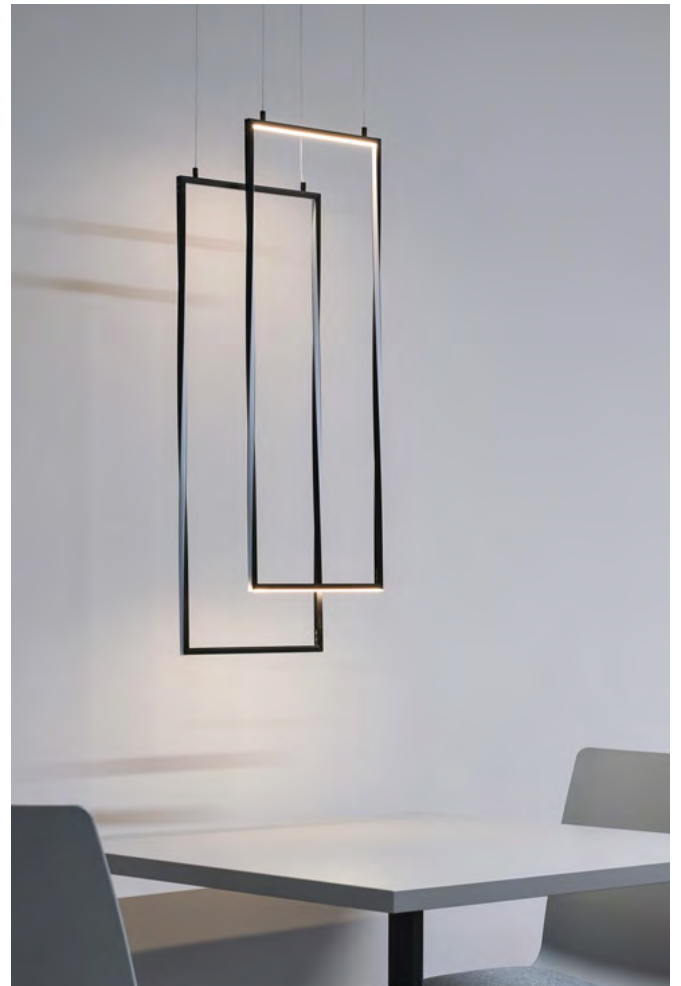


Additional
options



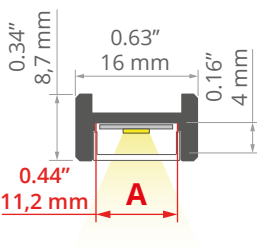
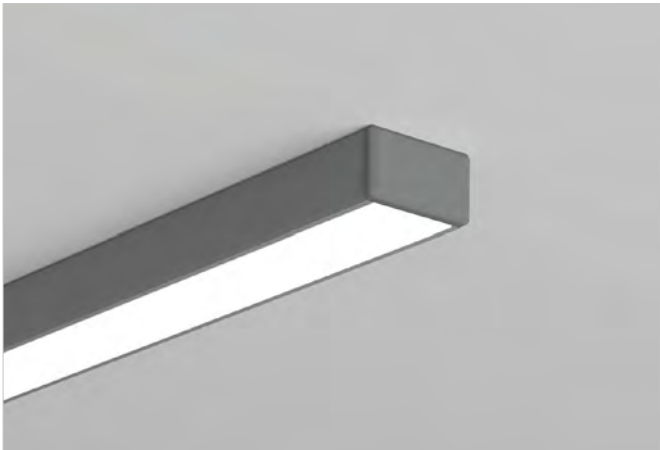
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
A00599A_2	Silver anodized	78.9"	B17208C_2	Clear	78.9"
			B17037B_2	Black	78.9"
			B17037S_2	Satin	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	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"

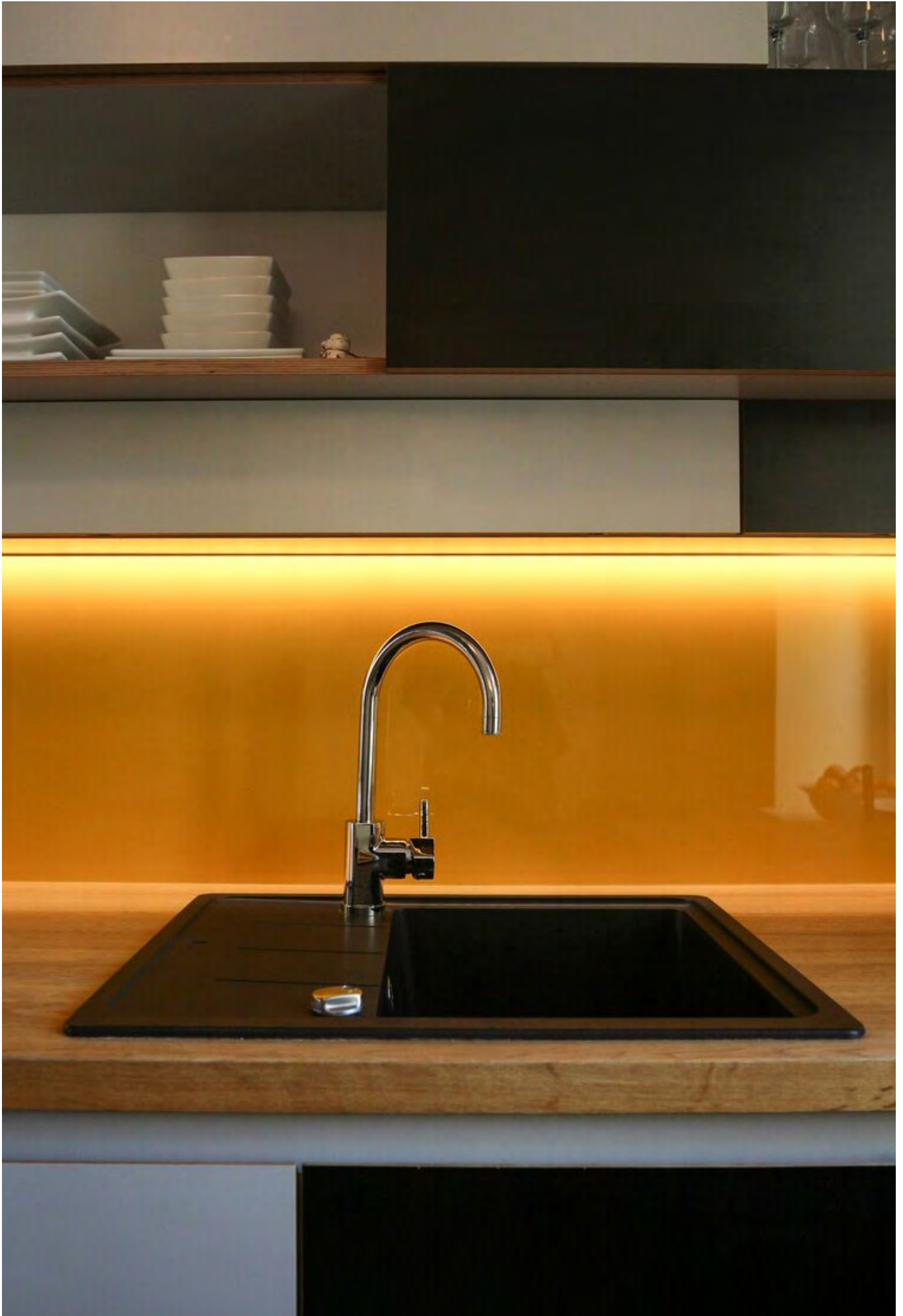


Additional options



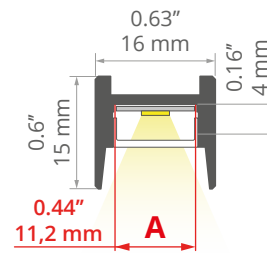
Fixture Certified to NSF 2 standards when assembled by **KLUŠ**





Surface Mount

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



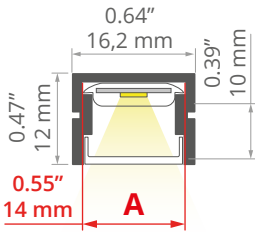
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
A01263A_2	Silver anodized	78.9"	B17208C_2	Clear	78.9"
A01263A07_2	Black anodized	78.9"	B17037B_2	Black	78.9"
A01263L100D_2	White lacquered	78.9"	B17037S_2	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
Mounting 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	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



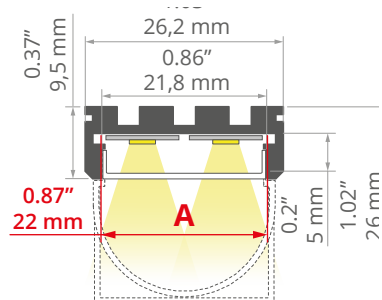
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





Surface Mount

GIZA



APPLICATION

- Multipurpose with 3 cover shape options - 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

EXTRUSION

Extrusion ref. nr.	Surface finish	Available lengths	Cover ref. nr.	Type	Available lengths
A05556A_2	Silver anodized	78.9"	B17006S_2	Round Satin	78.9"
A05556L10_2	White	78.9"	17007_2	Square Frosted	78.9"
			B17013S_2	Square Satin	78.9"

ACCESSORIES

	GIL round grey end cap REF. C24029C02		GIZAT square grey end cap REF. C24030C02		GIP mounting bracket REF. C24143C02		ZM-180 connector REF. C28075N00
	GP drywall spring REF. C24500N00		AM-24 T-grid mounting bracket REF. C24235N00		REGIP-UV adjustable mounting bracket REF. C28057C02		

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

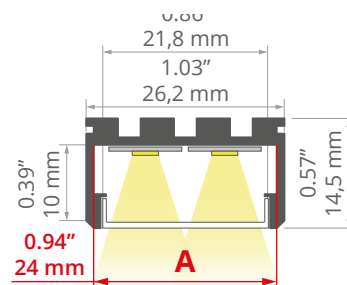
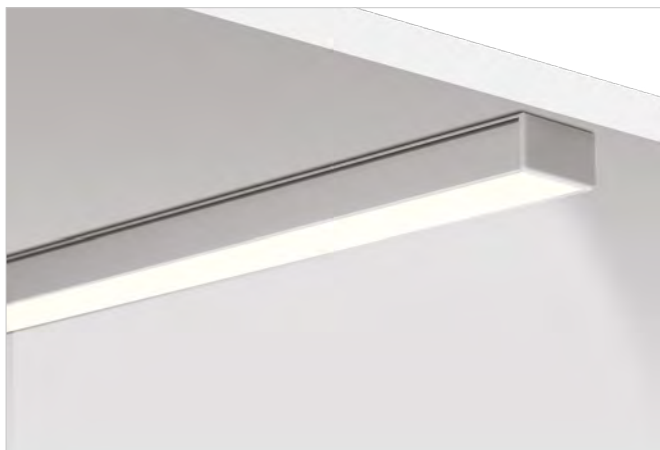


CALLSTACK OFFICES, POLAND, ARCHITECT: WE MAKE
PHOTOGRAPHY: TOM KUREK



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
C0758ANODA_2	Silver anodized	78.75"	B17011C_2 B17032S_2 B17032B_2	Clear Satin Black	78.9" 78.9" 78.9"

ACCESSORIES

 GIZA-LL grey end cap REF. C24281C02	 GIP mounting bracket REF. C24143C02	 ZM-180 connector REF. C28075N00	 GP drywall spring REF. C24500N00
 AM-24 T-grid mounting bracket REF. C24235N00	 REGIP-UV adjustable mounting bracket REF. C28057C02		

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

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



Additional
options



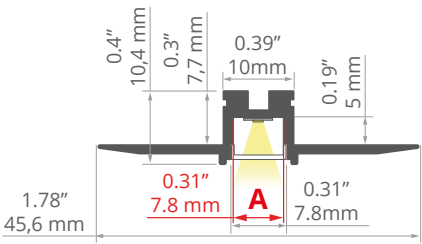
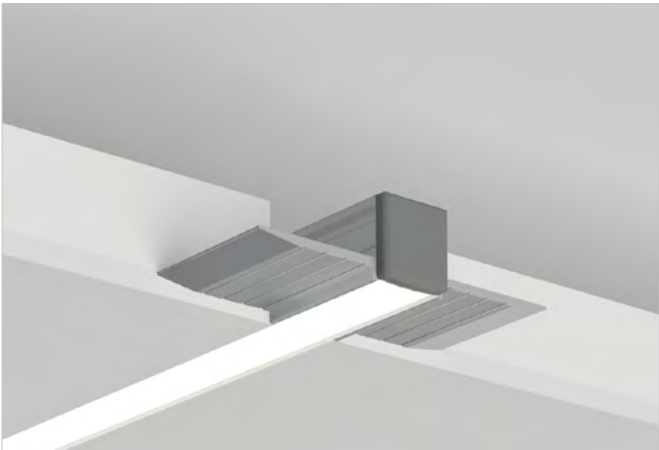
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
A01575N_2	Silver non anodized	78.9"	B17034S_2 B17069F_2	Satin Bendable, Frosted	78.9" 78.9"

ACCESSORIES

	PIKO-ZM End cap gray REF. C24307C02		ZM-NA-180 connector silver REF. C28075N00
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COMPATIBLE LEDS

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



Additional
options



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

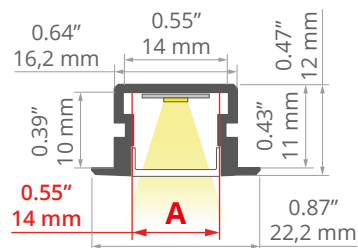


HATCH CHISHOLM CREEK, ARCHITECT: FITZSIMMONS ARCHITECTS,
PHOTOGRAPHY: JOSEPH MILLS PHOTOGRAPHY



Recessed

PDS-NK



APPLICATION

- Multipurpose
- Designed for the construction of lighting fixtures for decorative, indirect lighting
- Perfect for undercabinet, millwork and a variety of recess mount applications

EXTRUSION

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



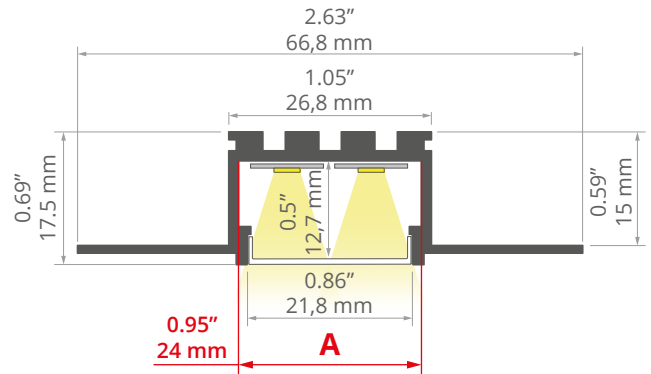
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
B7823NA_2	Non anodized (raw)	78.9"	B17011C_2	Clear	78.9"
			B17032S_2	Satin	78.9"
			B17032B_2	Black	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



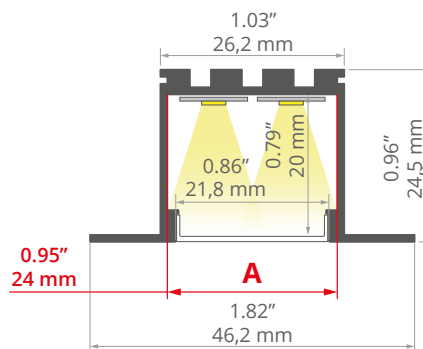
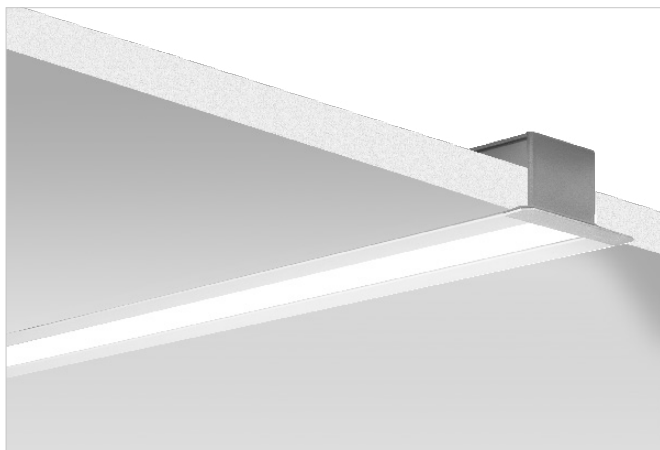
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





Recessed

LARKO



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
A05552A_2	Non anodized (raw)	78.9"	B17011C_2	Clear	78.9"
			B17032S_2	Satin	78.9"
			B17032B_2	Black	78.9"

ACCESSORIES



KOZUS grey
end cap
REF. C24006C02



ZM-NA-180
connector
REF. C24503N00

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.

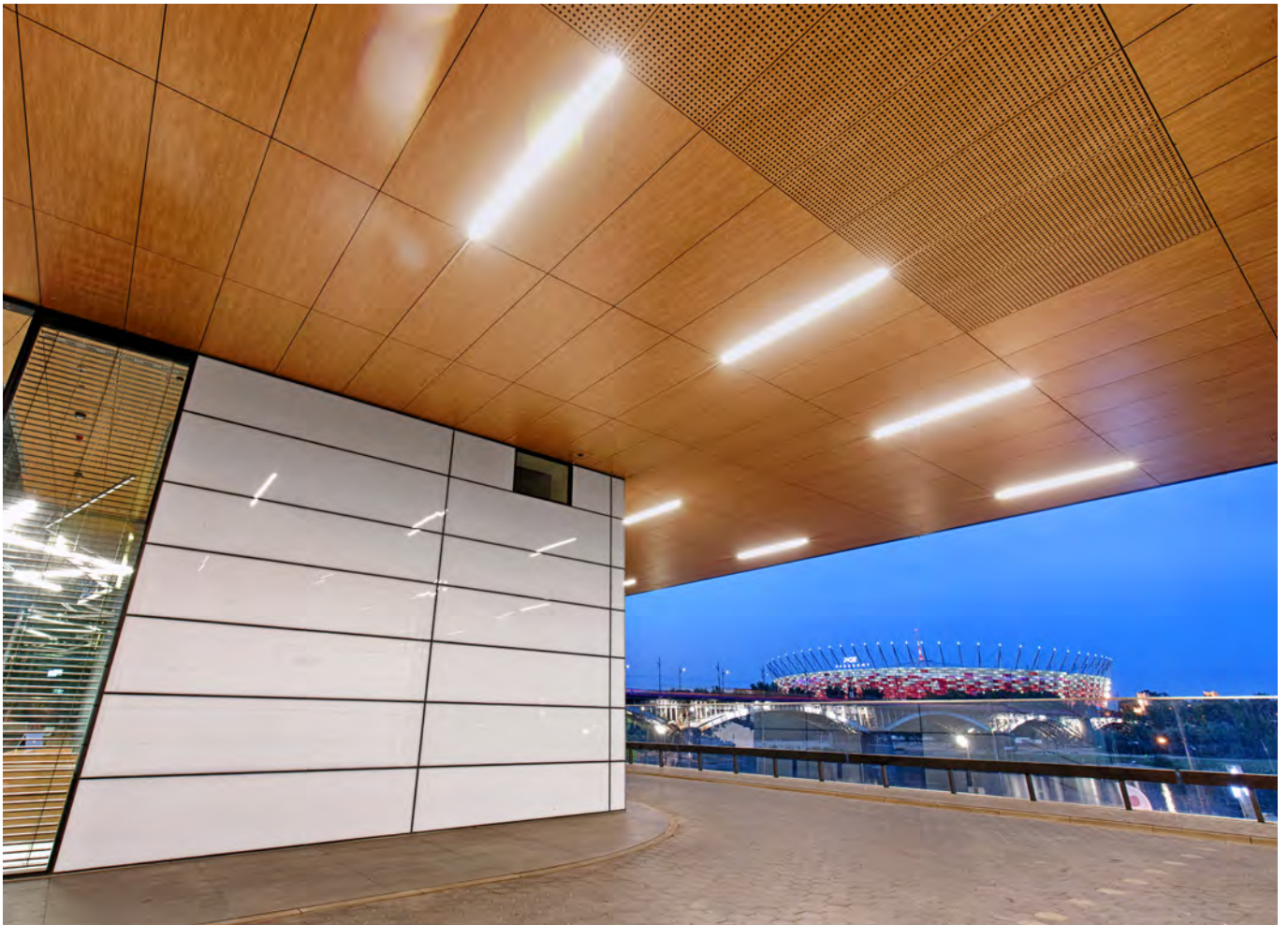


Additional
options



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

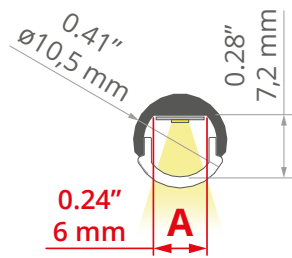




THE TIDES OFFICE BUILDING, POLAND

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
A01167A_2	Silver anodized	78.9"	B17164F_2	Frosted	78.9"
A01167A07_2	Black anodized	78.9'	B17164S_2	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
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COMPATIBLE LEDS

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

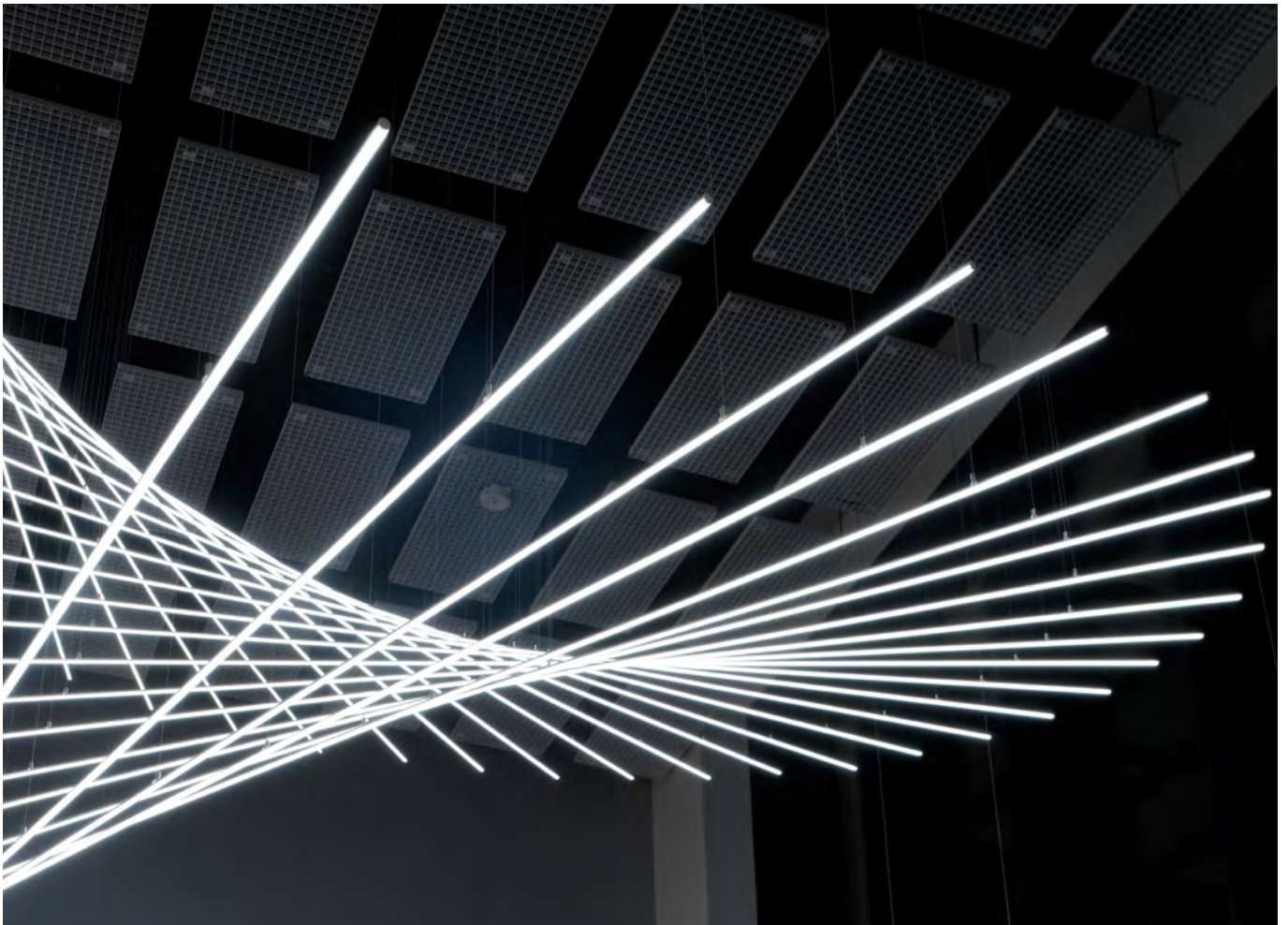
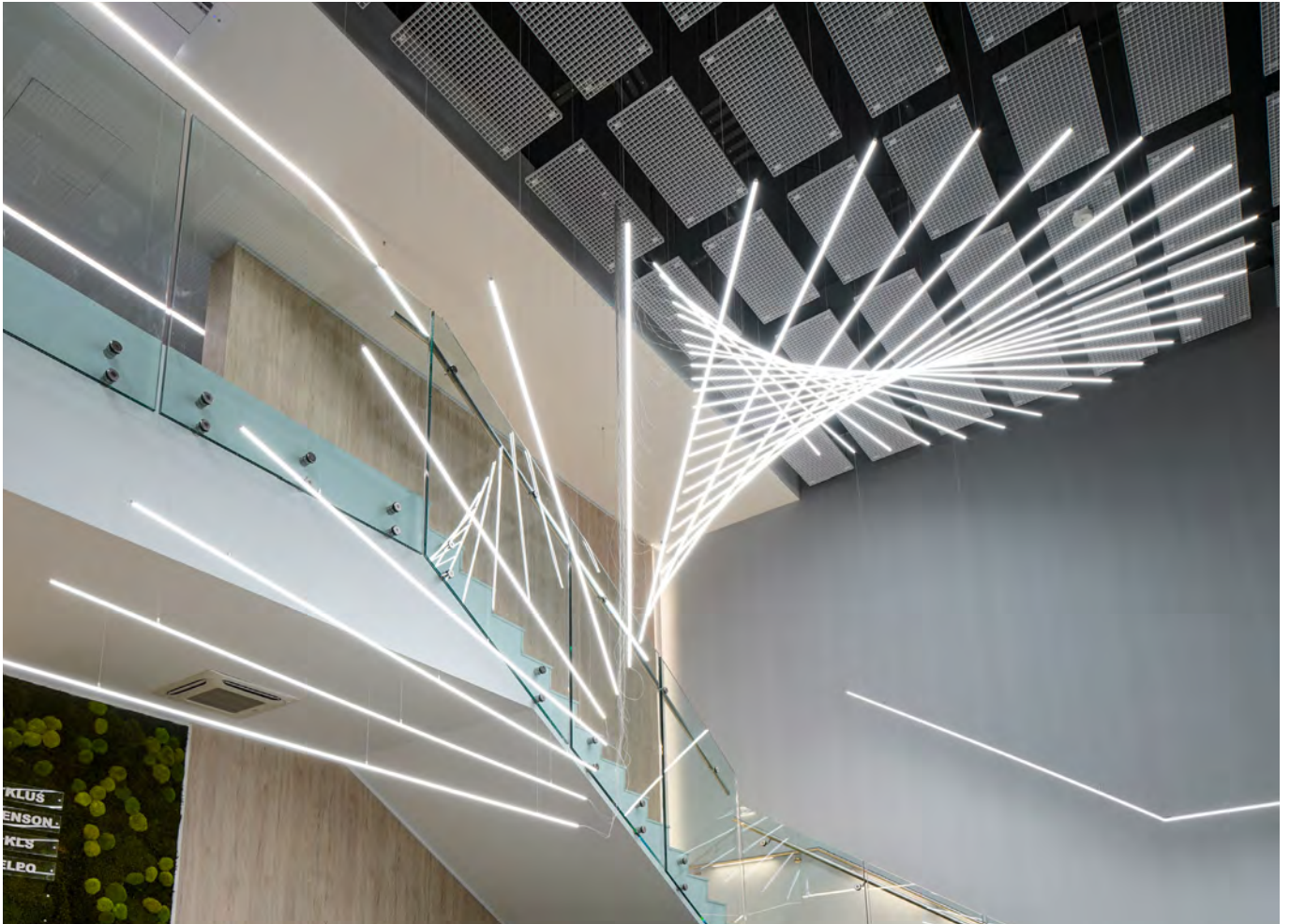


Additional
options



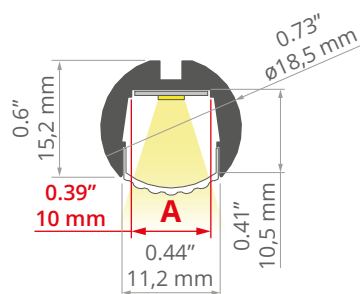
Fixture Certified to NSF 2 standards
when assembled by KLUS





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
A08505A_2	Silver anodized	78.9"	B17208C_2	Clear	78.9"
A08505L100D_2	White lacquered	78.9"	B17037B_2	Black	78.9"
			B17037S_2	Satin	78.9"
			B17076F_2	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"

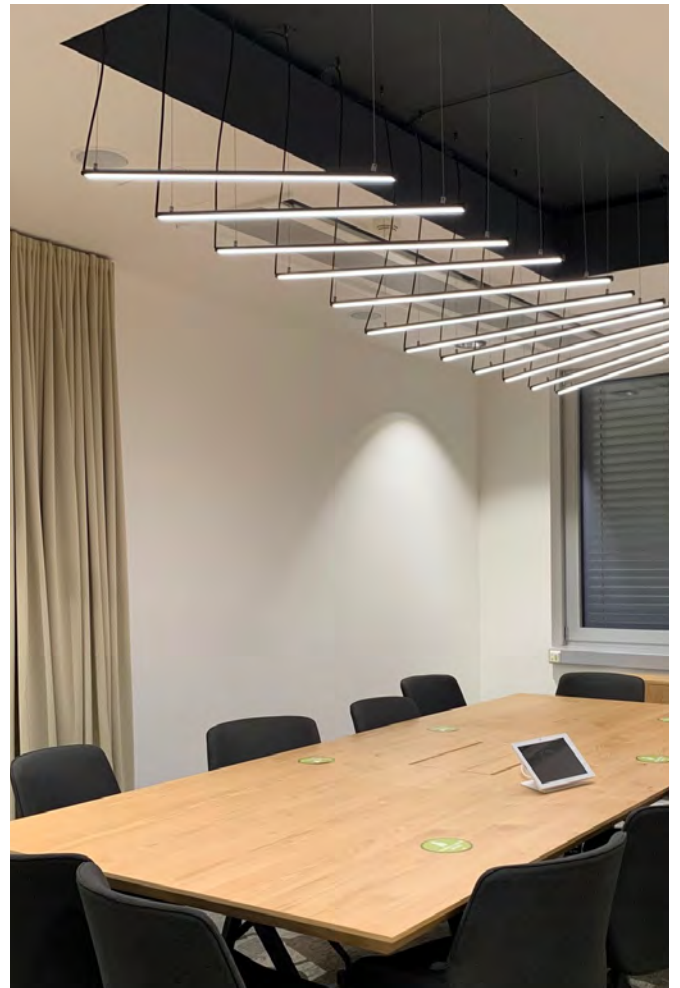


Additional
options



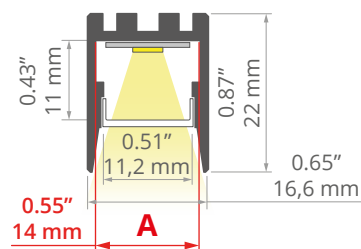
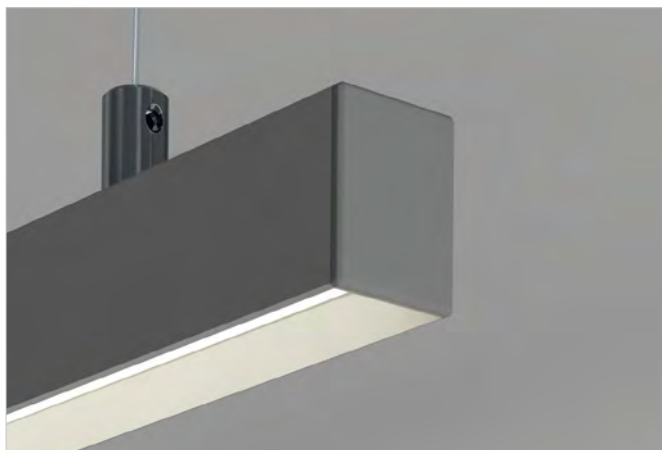
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
A01418A_2	Silver anodized	78.9"	B17064C_2	Clear	78.9"
A01418A07_2	Black anodized	78.9"	B17037S_2	Satin	78.9"
			B17037B_2	Black	78.9"

ACCESSORIES

	PDS-G grey end cap REF. C24330C02		PDS-G black end cap REF. C24320C07		PUSZ-LIN-ZM fastener (conductive) REF. C28160N00		FI-10-ZM-W fastener REF. C28116N00
	S.S wire REF. C24522N00		S.S wire (conductive) REF. Z70240		W-KG-Z ceiling fastener (conductive) REF. C28198N00		W-KG ceiling fastener REF. C28258N00
	ZM-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-0530-24	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"

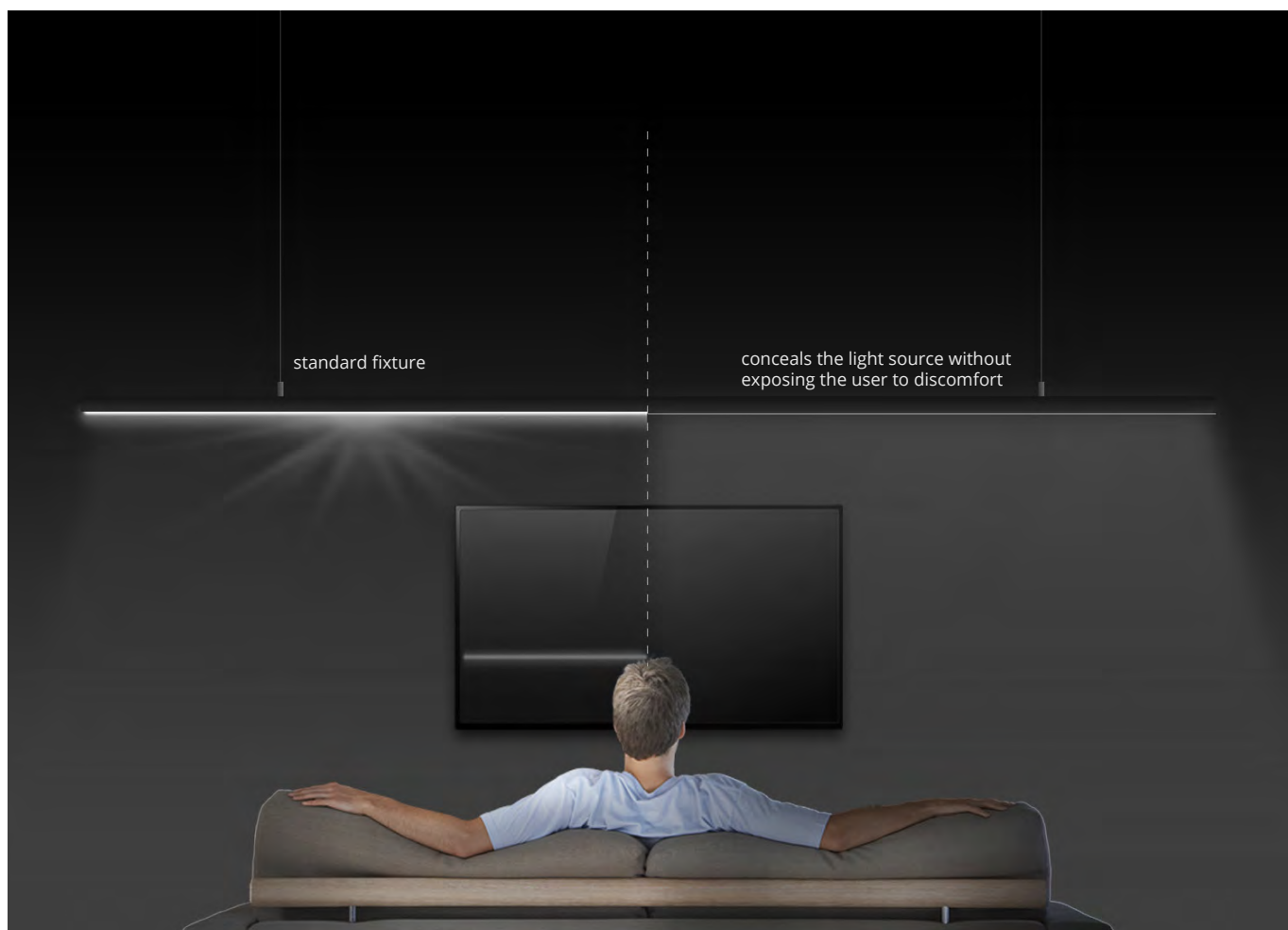


Additional
options



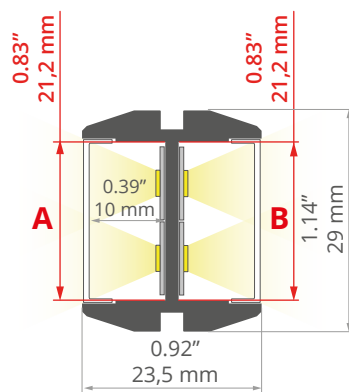
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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

	GIZA-DUO-LL grey end cap REF. C24372C02		FI-10-ZM-W fastener (vertical) REF. C28116N00		FI-10-ZM-P fastener (horizontal) REF. C28117N00		PUSZ-LIN-ZM fastener (conductive) REF. C24522N00
	RG-1 mounting set REF. C28230P00		W-KG-Z ceiling fastener (conductive) REF. C28198N00		W-KG ceiling fastener REF. C28258N00		ZM-180 connector REF. C28075N00
	S.S wire REF. C24522N00		S.S wire (conductive) 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



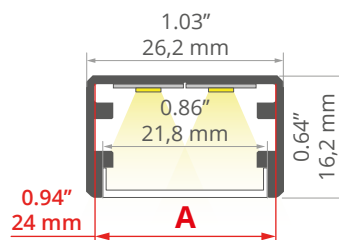
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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

	GLAZA-LL grey end cap REF. C24368C02		GLAZA-LL black end cap REF. C24368C07		FI-8-LIN-MR fastener (conductive) REF. C28172N00		FI-8-LIN-MR black fastener (conductive) REF. 42287L9005
	S.S. wire REF. C24522N00		S.S. wire (conductive) REF. Z70240		RG-1 mounting set REF. C28230P00		RG-1 mounting set REF. C28172L07
	ZM-180 connector REF. C28075N00		W-KG-Z ceiling fastener (conductive) REF. C28198N00		W-KG ceiling fastener 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



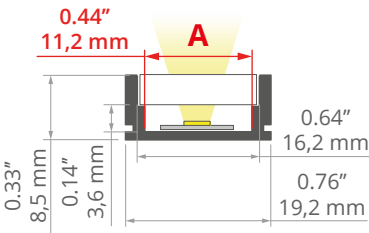
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





Traffic

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
A01889N_2	Silver non anodized	78.9"	B17206F_2	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	KWP-GHD-1910-24 KWP-GHD-1640-24	24' 16'-4"

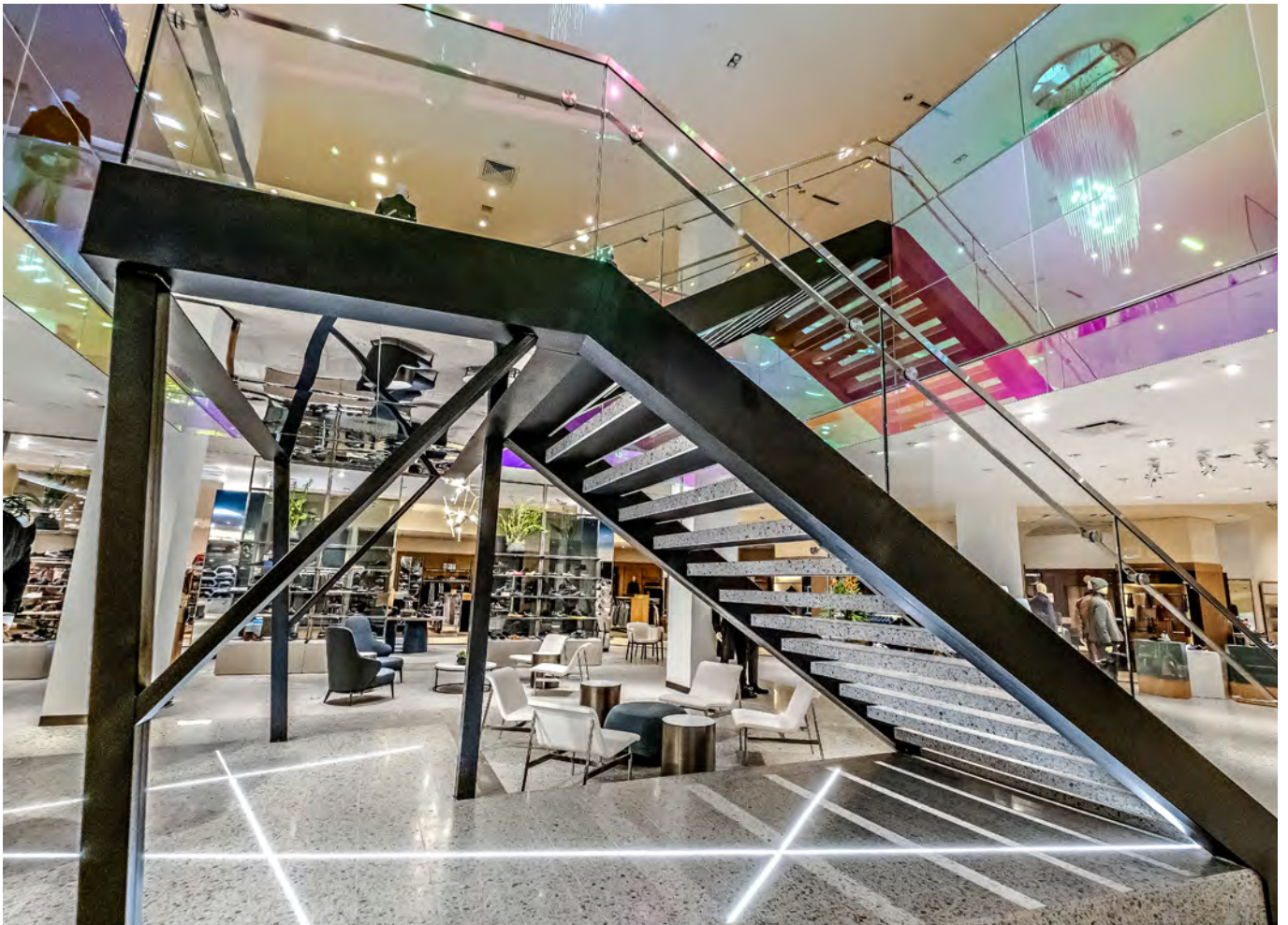


Additional
options



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

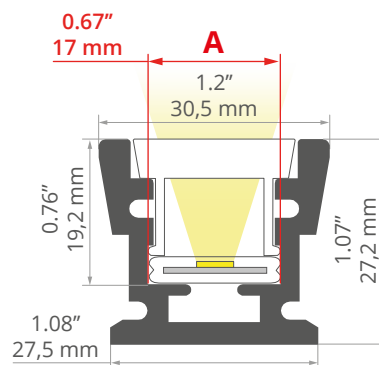




SAKS FIFTH AVENUE, NEW YORK USA, ARCHITECT: 37 VOLTS LIGHT STUDIO

Traffic

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

EXTRUSION

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

ACCESSORIES



COMPATIBLE LEDS

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

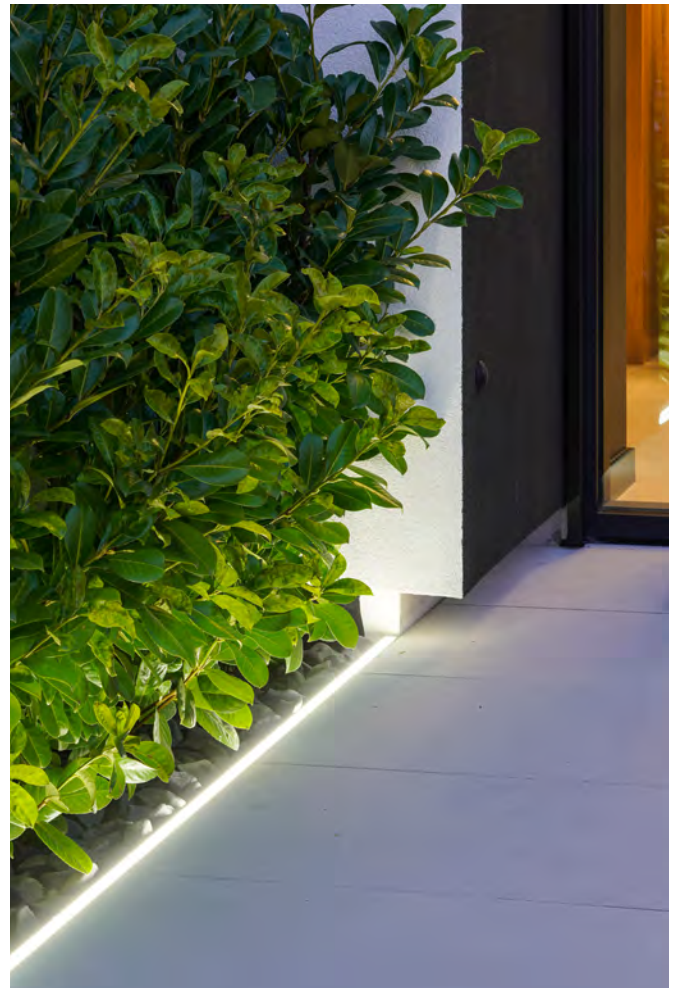


Additional
options



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

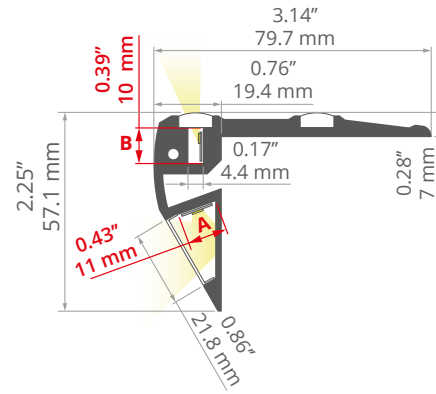




Q HOUSE, POLAND, ARCHITECT: REFORM ARCHITEKT GROUP

Traffic

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
A18038A_2	Silver anodized	78.9"	B17011C_2	Clear	78.9"
A18038A07_2	Black anodized	78.9"	B17032B_2	Black	78.9"
			B17032S_2	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
<i>Top Light (Side emitting)</i>	89-96	1.5	K-SE-1210-24-8	19' 6"
<i>Bottom Light</i>	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"

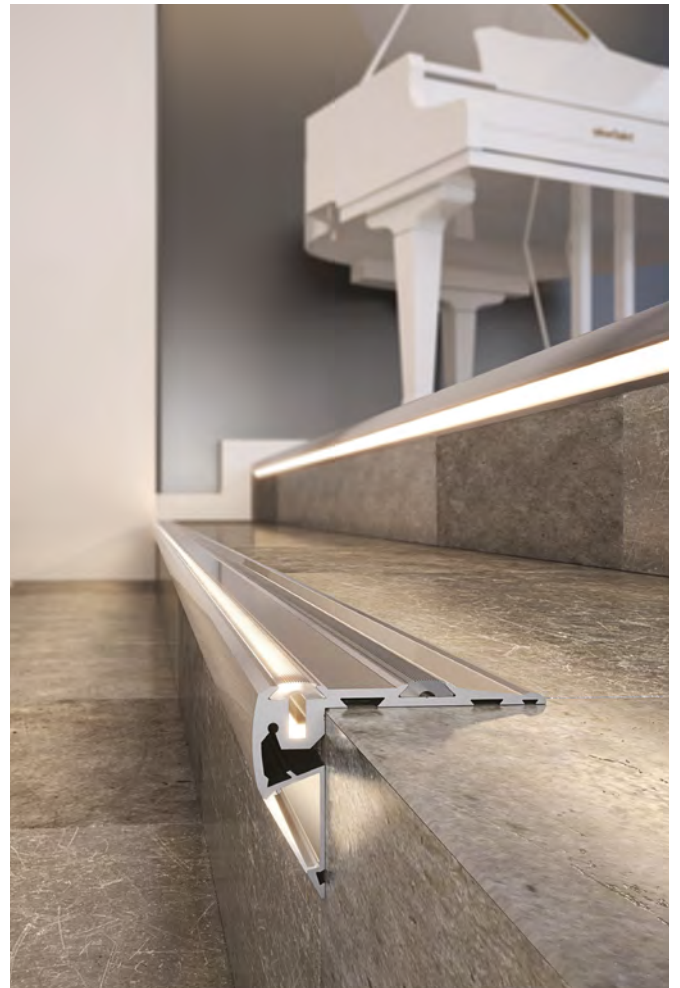


Additional
options



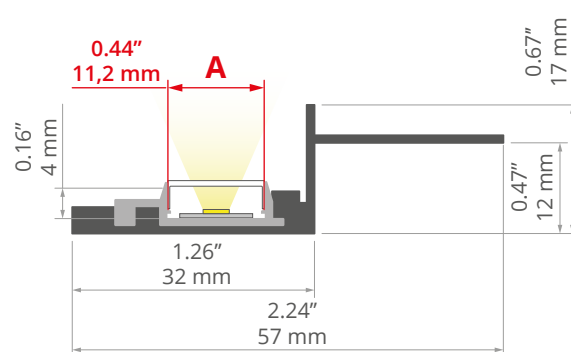
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
A18026N_2	Silver non anodized	78.9"	B17052M_2	Frosted	78.9"
			B17208C_2	Clear	78.9"
			B17037S_2	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	K-CRHD-0530-24	24'
166 - 253	2.9	K-CRHD-1910-24	24'
397 - 535	5.0	K-CR-1275-24	32'
		K-CRHD-1820-24	16'-4"



Additional
options



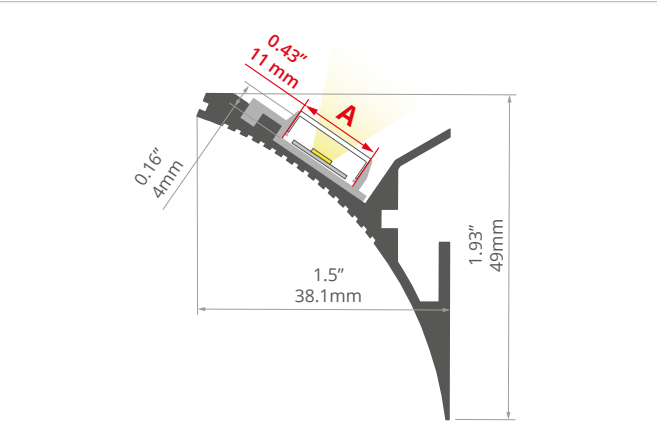
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
A18033N_2	Silver non anodized	"78.9"	B17208C_2	Clear	78.9"
			B17037B	Black	78.9"
			B17037S_2	Frosted	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	K-CRHD-0530-24	24'
151 - 227	2.9	K-CRHD-1910-24	24'
381 - 370	4.4	K-CR-1275-24	32'
381 - 464	5.0	K-CRHD-1820-24	16'-4"

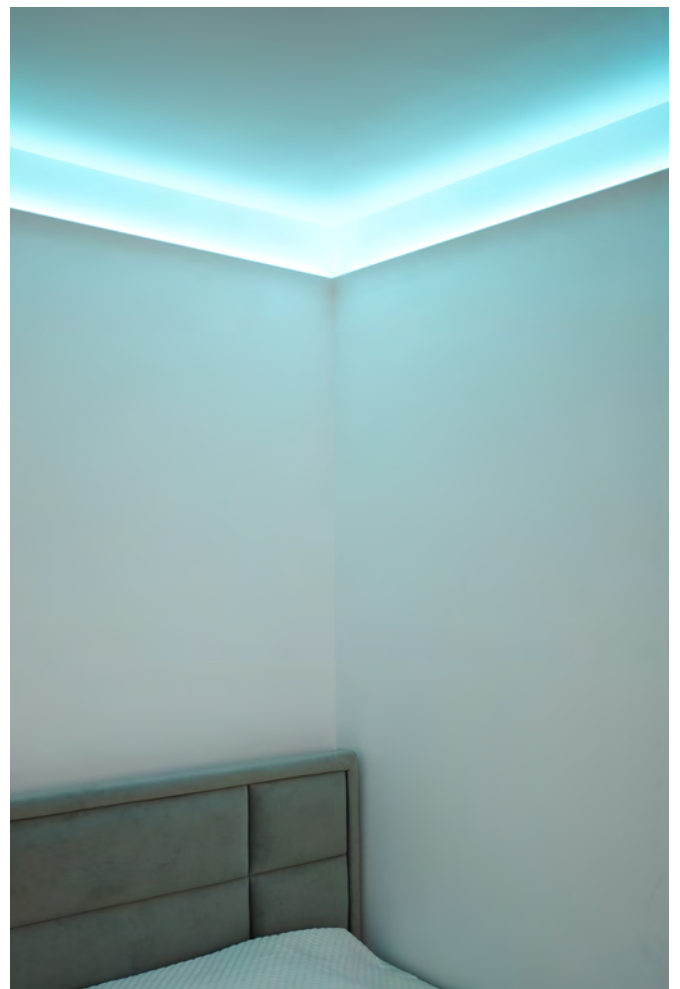


Additional
options



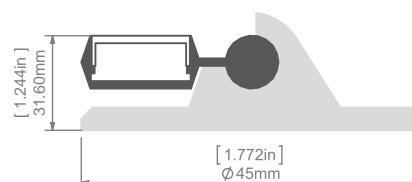
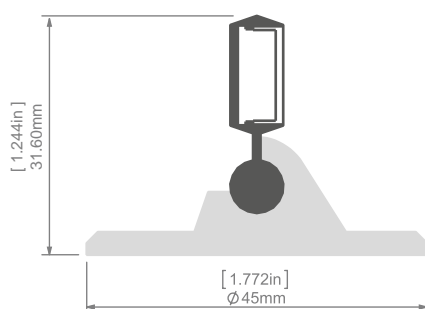
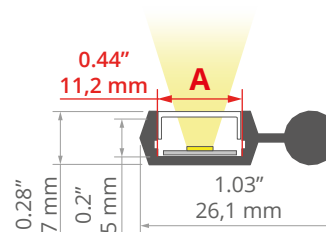
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
A07176A_2	Silver anodized	78.9"	B17208C_2 B17037S_2	Clear Satin	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"

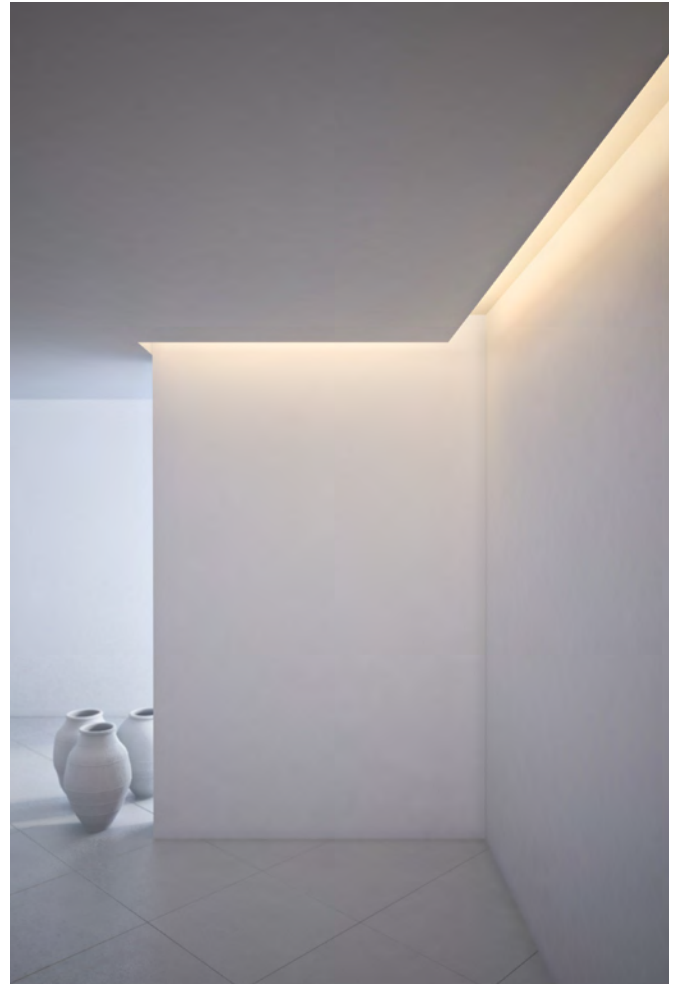


Additional
options



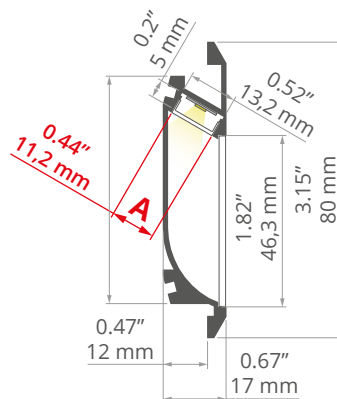
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





Specialty

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
A04826A_2	Silver anodized	78.9"	B17052M	COLOR Frosted (outer)	78.9"
			B17037S_2	Clear	78.9"
			B17037S_2	Satin	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	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



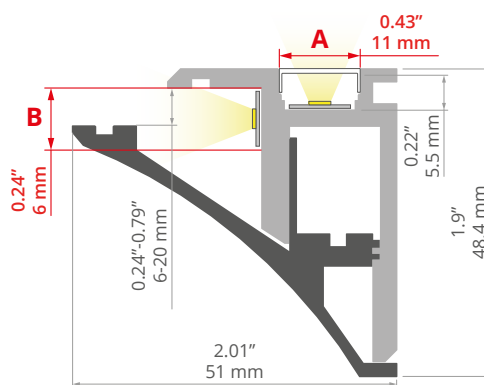
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
A18035A_2	Silver anodized	78.9"	B17208C_2 B17037S_2	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



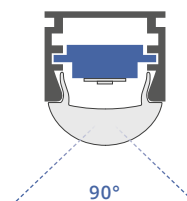
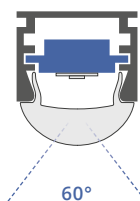
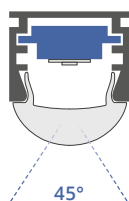
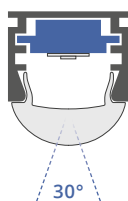
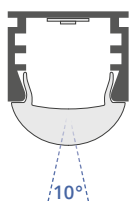
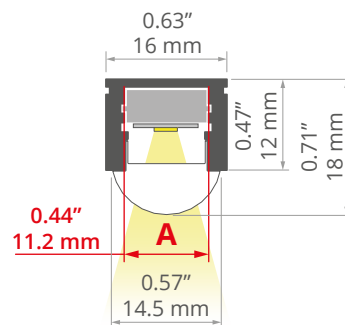
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





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
A18068A_2	Silver anodized	78.9"	B17202T_2	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



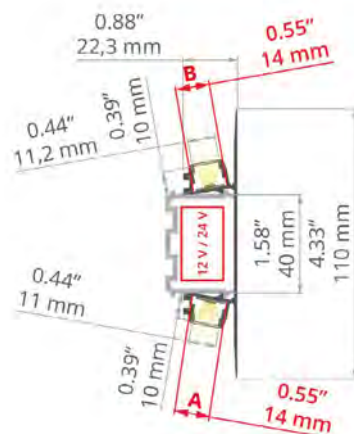
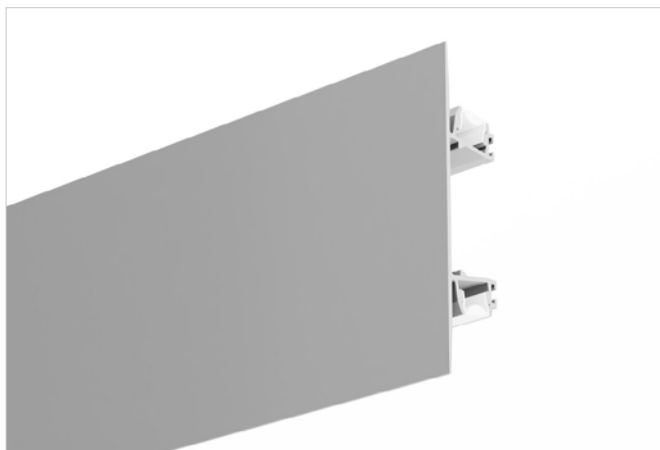
Fixture Certified to NSF 2 standards
when assembled by **KLUŠ**





Specialty

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
A04106A_2	Silver anodized	78.9"	B17208C_2	Clear	78.9"
A04106L10_2	White lacquered	78.9"	B17037S_2	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	K-CR-0530-HD-24V	24'
245 - 320	2.9	K-CR-1910-HD-24V	24'
299 - 370	4.4	K-CR-1275-24V	32'
330 - 560	5.6	K-CR-1820-HD-24V	16'-4"
490 - 640	5.8	K-CR-1910-HD-24V/2	24"
598 - 740	8.8	K-CR-1275-24V /2	32"
660 - 1120	11.2	K-CR-1820-HD-24V/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**





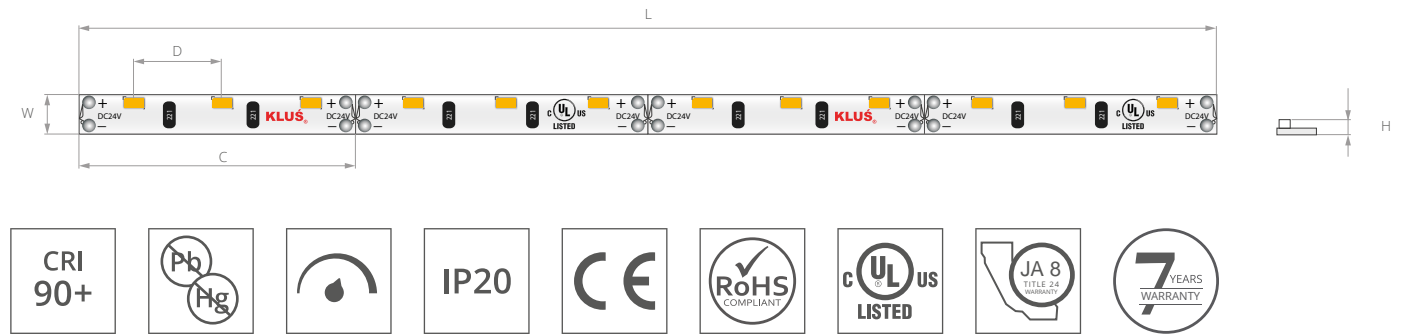
LED TAPES







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



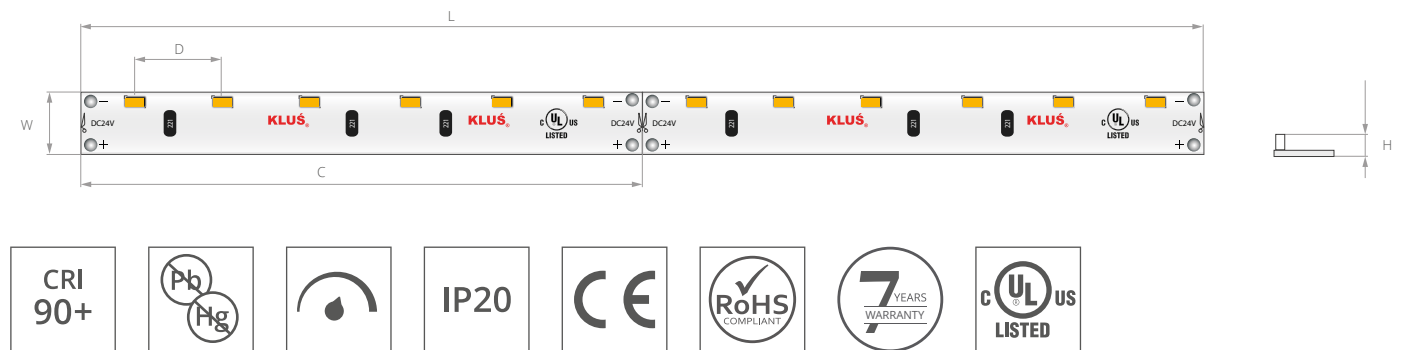
DIMENSIONS

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



DIMENSIONS

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

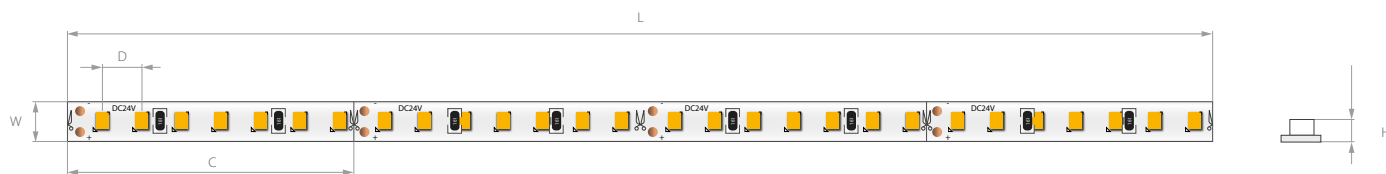
TECHNICAL DATA

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	1.46 W/ft	120°	24 V DC	18
K-SE30-1210-24-8	3000 K	119 lm/ft	81 lm/W				
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



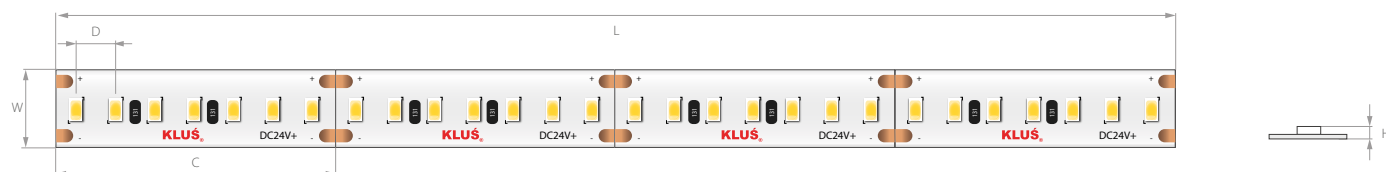
DIMENSIONS

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
K-27-1091-24	2700 K	237 lm/ft	85 lm/W	2.77 W/ft	120°	24 V DC	59
K-30-1091-24	3000 K	243 lm/ft	87 lm/W				
K-35-1091-24	3500 K	269 lm/ft	96 lm/W				
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

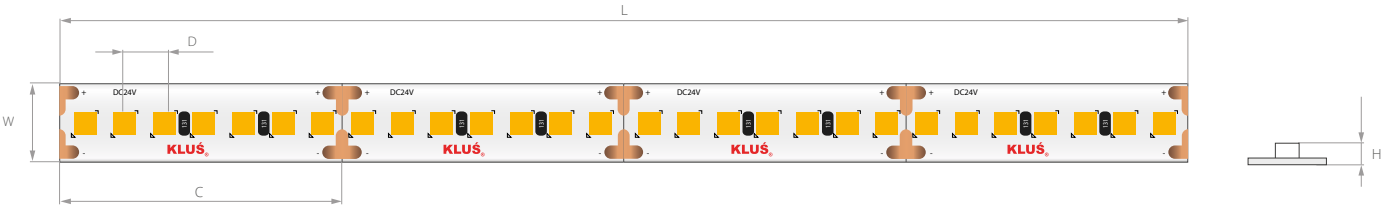
Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 23'11"	[C] 1.04"	[D] 0.15"	[H] 0.12"

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	1.62 W/ft	120°	24 V DC	81
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				
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



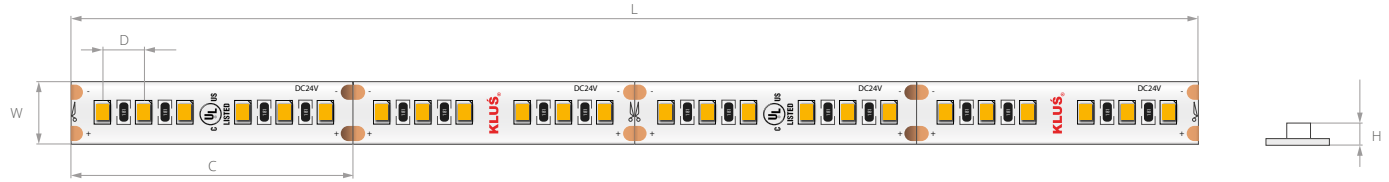
DIMMENSIONS

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

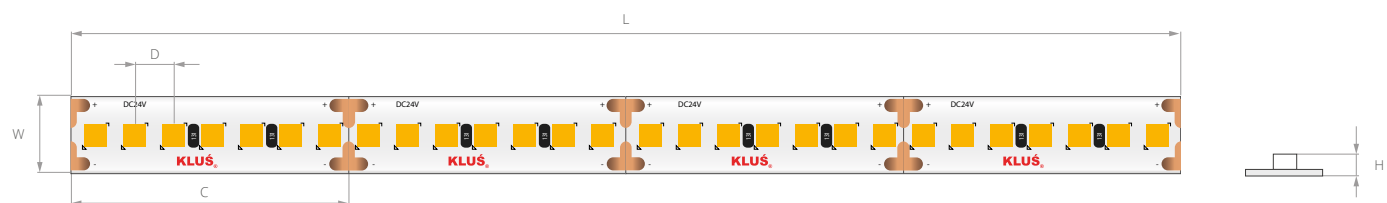
Width	Max run length	Cut every	LED spacing	Height
[W] 0.31"	[L] 32'10"	[C] 1.97"	[D] 0.33"	[H] 0.06"

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

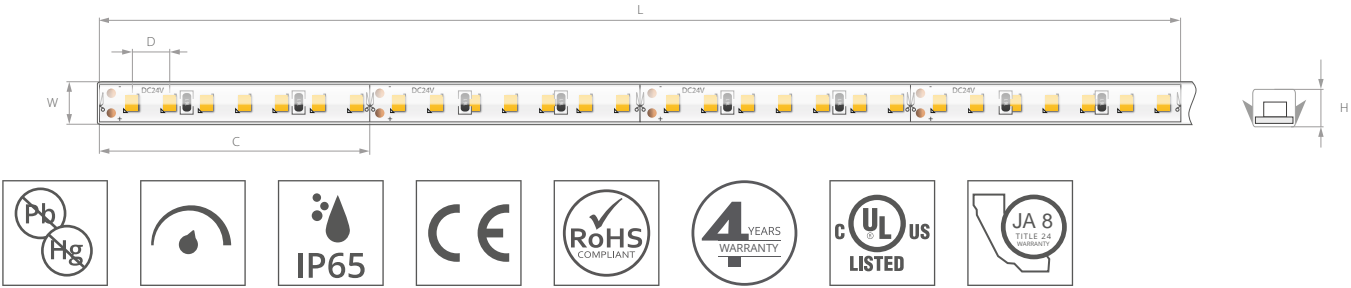
Ref	Color temperature	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-CRHD27-1820-24	2700 K	442 lm/ft	88 lm/W	5 W/ft	120°	24 V DC	81
K-CRHD30-1820-24	3000 K	458 lm/ft	91 lm/W				
K-CRHD35-1820-24	3500 K	474 lm/ft	94 lm/W				
K-CRHD40-1820-24	4000 K	487 lm/ft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





LEDS-IP65

LED strip / KWP-5K-1091-24



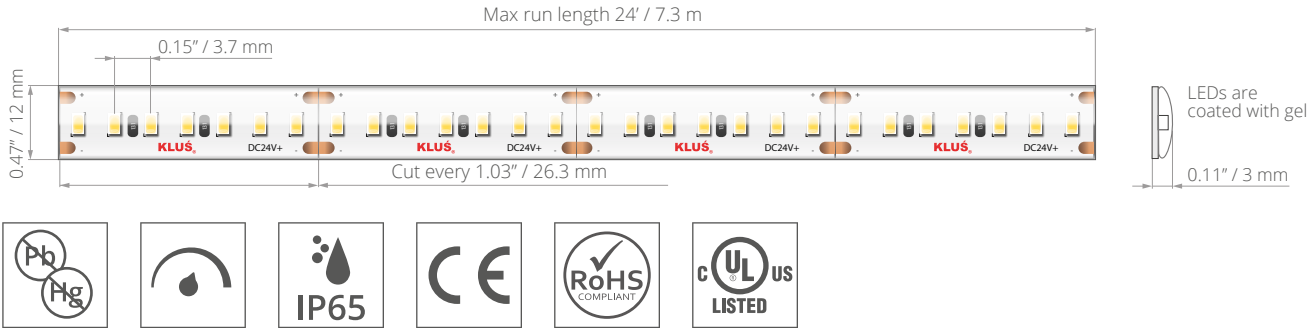
DIMMENSIONS

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	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



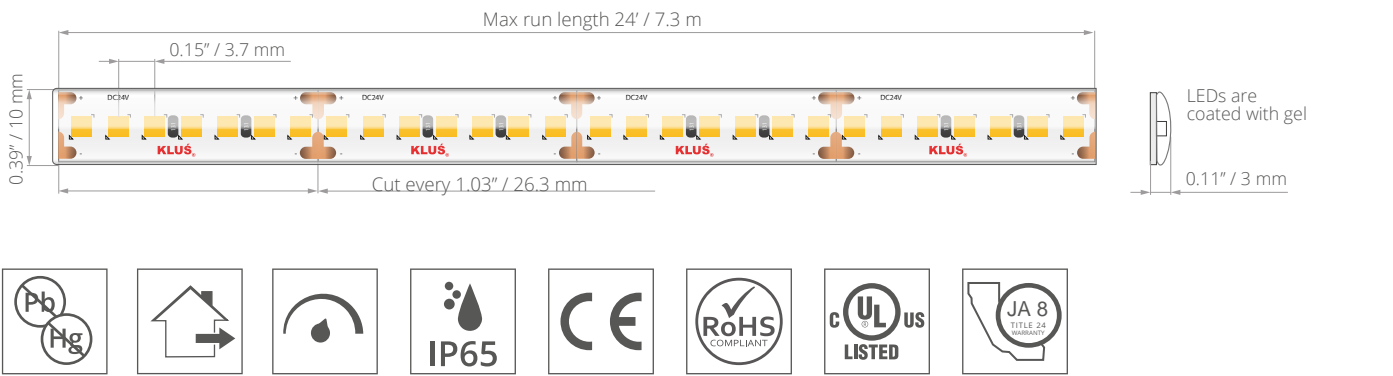
DIMMENSIONS

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

LEDs-IP65

KWP-GHD-1910-24



DIMMENSIONS

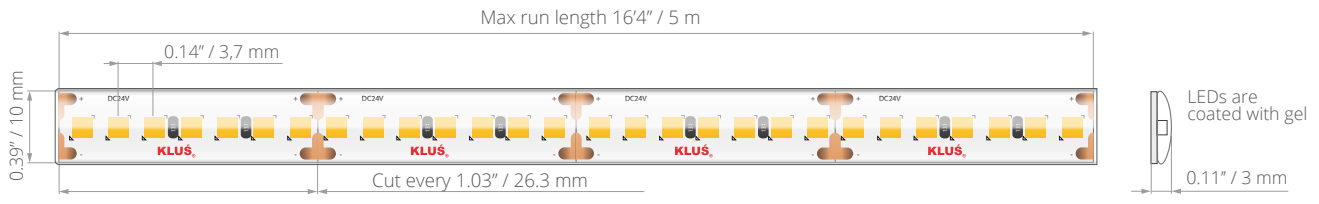
Width	Max run length	Cut every	LED spacing	Height
[W] "	[L] "	[C] "	[D] "	[H] "

Model	IP protection	Power consumption	Color temperature	Lumen output	Diode QTY per foot	Input voltage	Beam Angle	Max run length	LED width
KWP-GHD22-1910-24	IP 65	2.84 W/ft	2200 K	210 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD25-1910-24	IP 65	2.84 W/ft	2500 K	241 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD27-1910-24	IP 65	2.8 W/ft	2700 K	250 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD30-1910-24	IP 65	2.8 W/ft	3000 K	259 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD35-1910-24	IP 65	2.8 W/ft	3500 K	272 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD40-1910-24	IP 65	2.8 W/ft	4000 K	290 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm
KWP-GHD50-1910-24	IP 65	2.84 W/ft	5000 K	288 lm/ft	81 pcs/ft	24 V	120 °	24'	10 mm



LEDs-IP65

KWP-GHD-1640-24



DIMMENSIONS

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

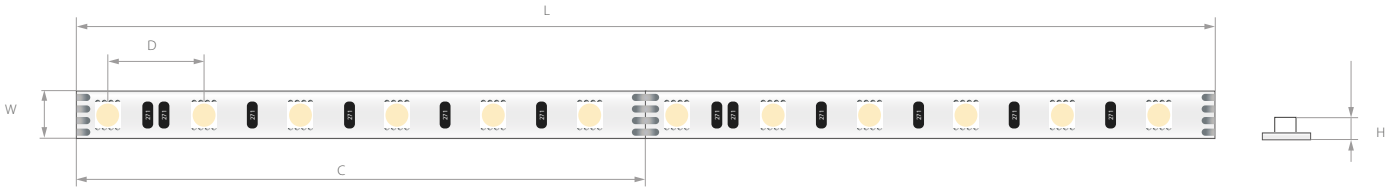
Model	IP protection	Power consumption	Color temperature	Lumen output	Diode QTY per foot	Input voltage	Beam Angle	Max run length	LED width
KWP-GHD22-1640-24	IP 65	5 W/ft	2200 K	332 lm/ft	81 pcs/ft	24 V	120 °	16'4"	10 mm
KWP-GHD25-1640-24	IP 65	5 W/ft	2500 K	396 lm/ft	81 pcs/ft	24 V	120 °	16'4"	10 mm
KWP-GHD27-1640-24	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

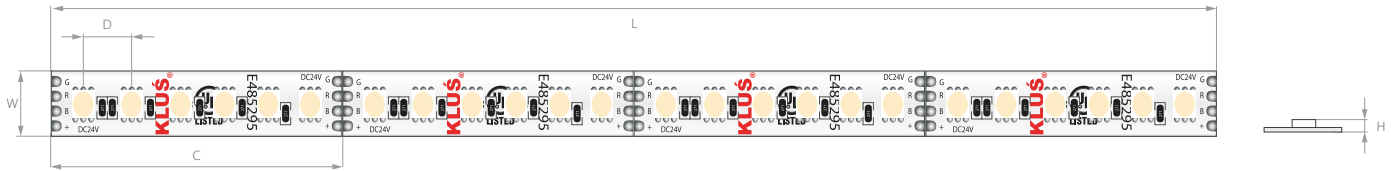
LED strip / K-RGB-1560-24



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 / LED K-RGB-0700-120-24

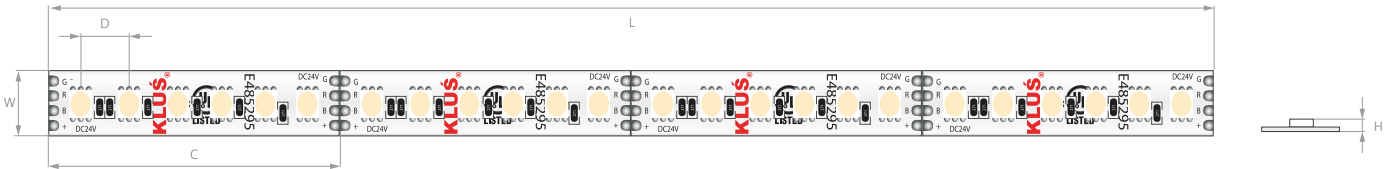


DIMENSIONS				
Width	Max run length	Cut every	LED spacing	Height
[W] 0.31"	[L] 22'12"	[C] 1.97"	[D] 0.33"	[H] 0.1"

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
	GREEN						
	BLUE						

RGB / RGBW

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



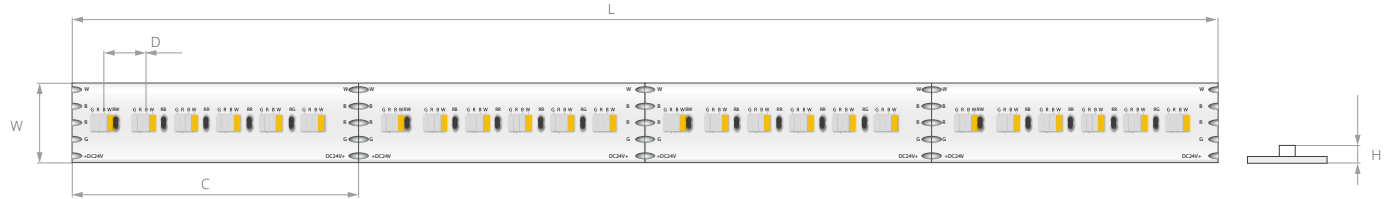
DIMMENSIONS

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
K-RGB-1200-120-24	RED			3.66 W/ft	120°	24 V DC	36
	GREEN						
	BLUE						

LED strip / K-RGBW-1530-24



DIMMENSIONS

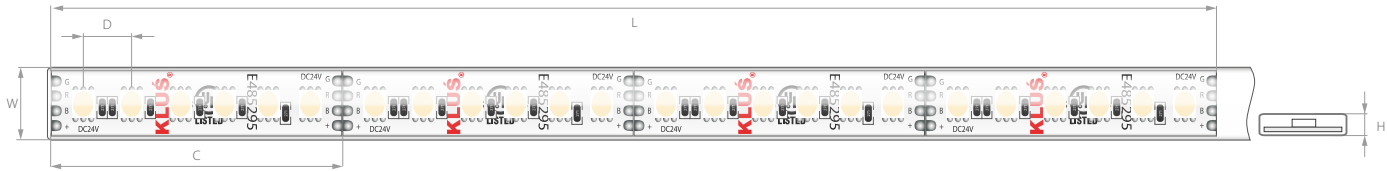
Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 19'8"	[C] 2.46"	[D] 0.39"	[H] 0.06"

TECHNICAL DATA

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

RGB / RGBW

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



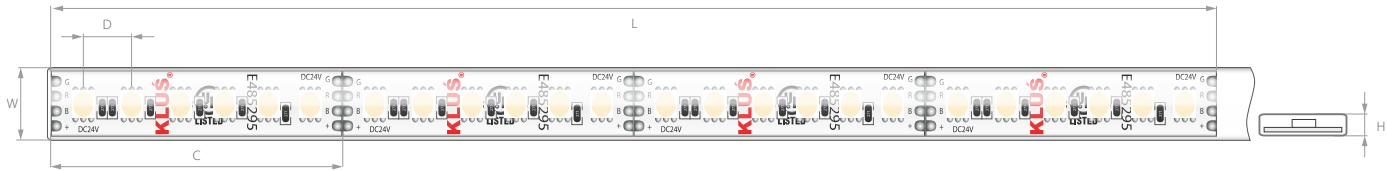
DIMMENSIONS

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
KWP-RGB-0700-120-24	RED			2.13 W/ft	120°	24 V DC	36
	GREEN						
	BLUE						

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



DIMMENSIONS

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
KWP-RGB-1200-120-24	RED			3.66 W/ft	120°	24 V DC	36
	GREEN						
	BLUE						

RGB / RGBW

LED strip / KWP-RGBW-1530-24



DIMMENSIONS

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

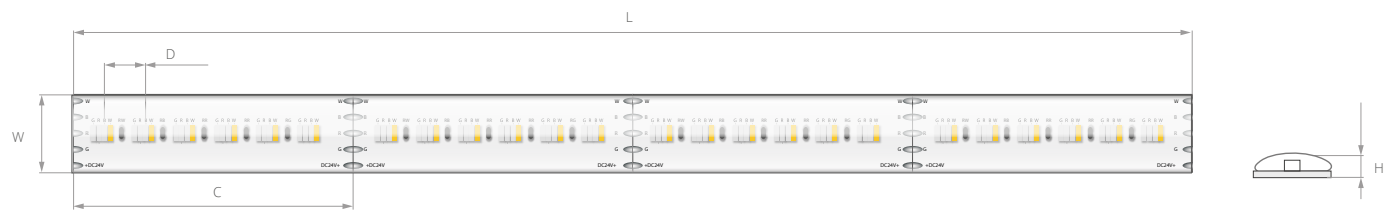
TECHNICAL DATA

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



RGB / RGBW

LED strip / KWP-GRGBW-1530-24



DIMMENSIONS

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
KWP-GRGBW-1530-24	3000 K	70 lm/ft	60 lm/W	1.17 W/ft	120°	24 V DC	117
	RED	14 lm/ft	11 lm/W				
	GREEN	91 lm/ft	78 lm/W				
	BLUE	18 lm/ft	15 lm/W				

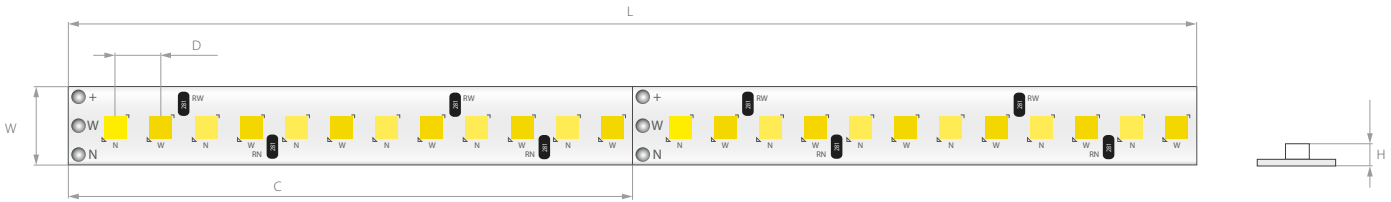




RÓŻA HOTEL, POLAND, ARCHITECT: Grażyna Grzybek i Michał Grzybek
PRESS MATERIALS: HOLDING LIWA

Adjustable White/ Dim to Warm

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



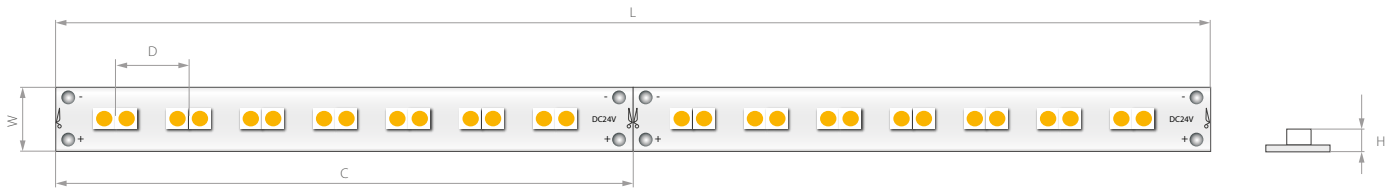
DIMENSIONS

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



DIMENSIONS

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

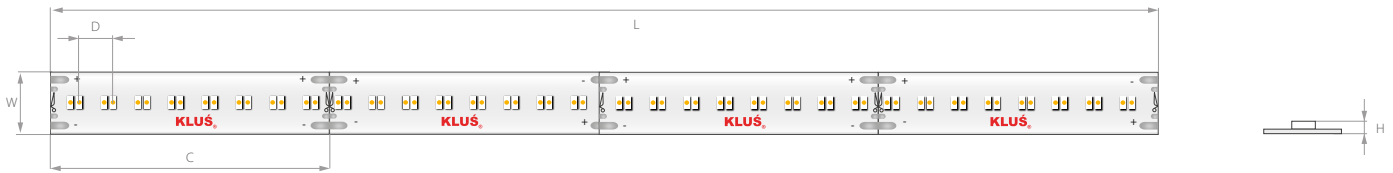
TECHNICAL DATA

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-18/30-1770-010-24

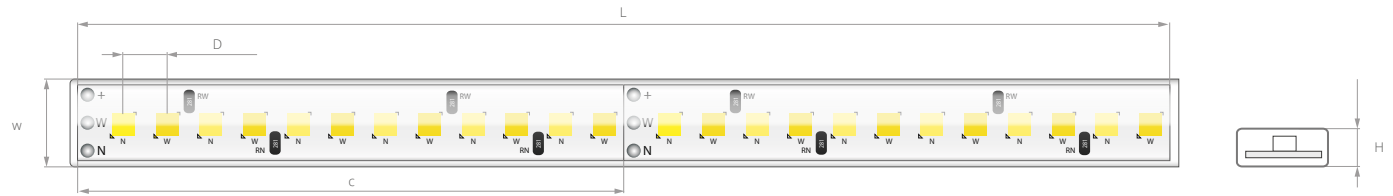


DIMENSIONS				
Width	Max run length	Cut every	LED spacing	Height
[W] 0.39"	[L] 16'5"	[C] 2.81"	[D] 0.26"	[H] 0.14"

TECHNICAL DATA							
Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
K-18/30-1770-010-24	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

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

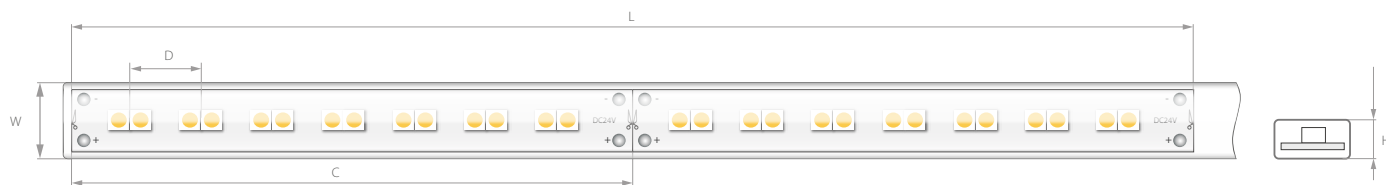


DIMENSIONS				
Width	Max run length	Cut every	LED spacing	Height
[W] 0.47"	[L] 16'5"	[C] 1.97"	[D] 0.17"	[H] 0.16"

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



DIMENSIONS

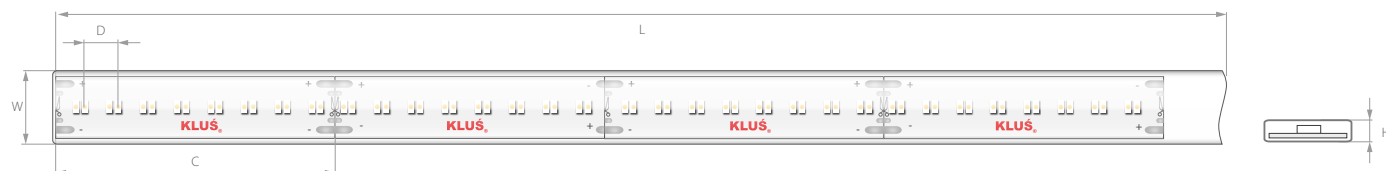
Width	Max run length	Cut every	LED spacing	Height
[W] 0.47"	[L] 16'5"	[C] 2.46"	[D] 0.26"	[H] 0.16"

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



DIMENSIONS

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

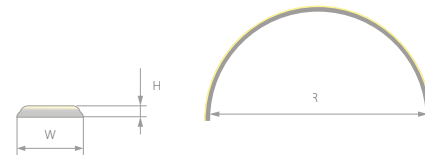
Ref	Color	Lumen output	Efficiency	Power consumption	Beam angle	Input voltage	Number of LEDs per 1 ft
KWP-18/30-1770-010-24	1800 K - 3000 K	292 lm/ft	83 lm/W	3.51 W/ft	120°	24 V DC	68

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



Micro

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



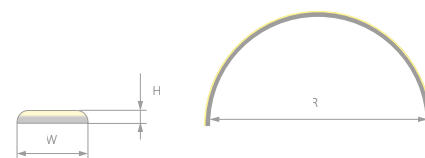
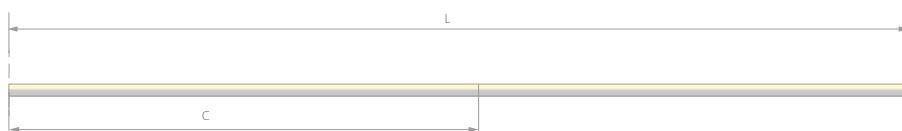
DIMENSIONS

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-30-0720-24V5M	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 / LED K-NFM-1920-24V-5M



DIMENSIONS

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

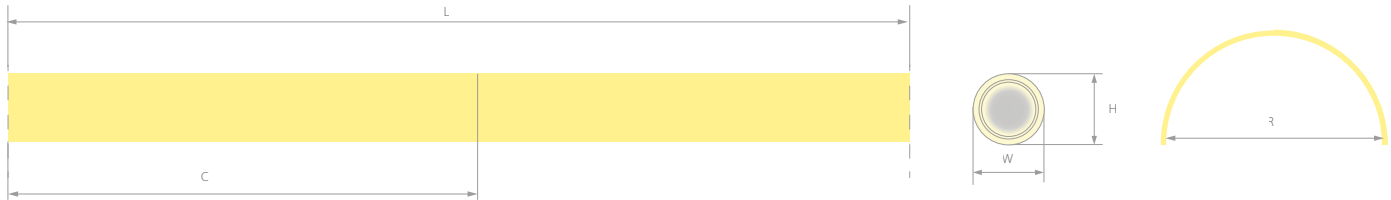
TECHNICAL DATA

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				



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"

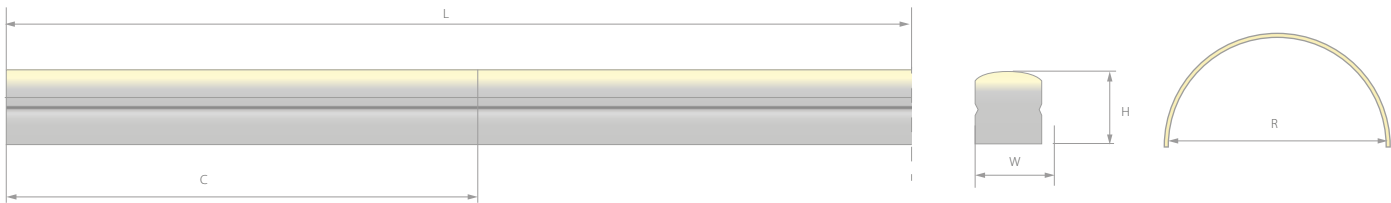
TECHNICAL DATA

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	4.88 W/ft	360°	24 V DC	102
K-NFR-30-1600-24-5M	 3000 K	384 lm/ft	78 lm/W				
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
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"

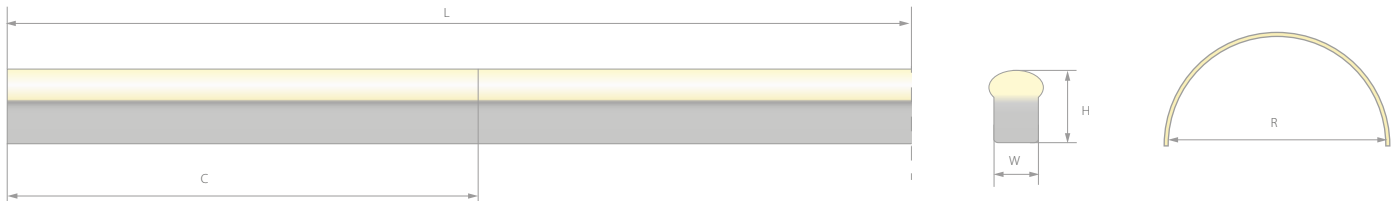
TECHNICAL DATA

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	2.34 W/ft	132°	24 V DC	34
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				
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"

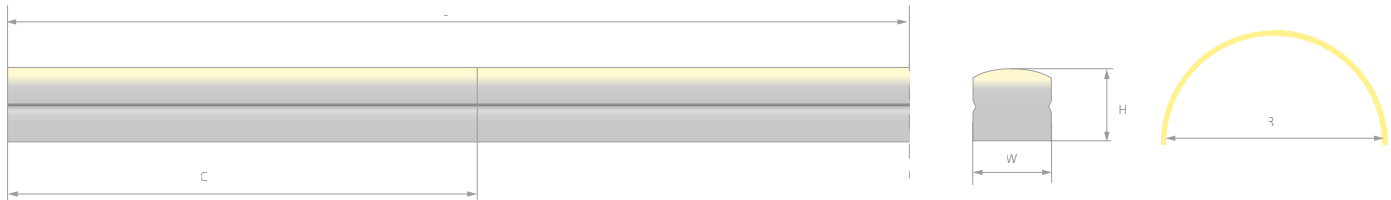
TECHNICAL DATA

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	2.93 W/ft	180°	24 V DC	36
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				
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-RGB-1730H-24-5M



DIMENSIONS

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
K-NF-RGB-1730H-24-5M	RED			5.27 W/ft	120°	24 V DC	32
	GREEN						
	BLUE						





Up / down bendable

LED strip / K-NF-0780-24V



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"

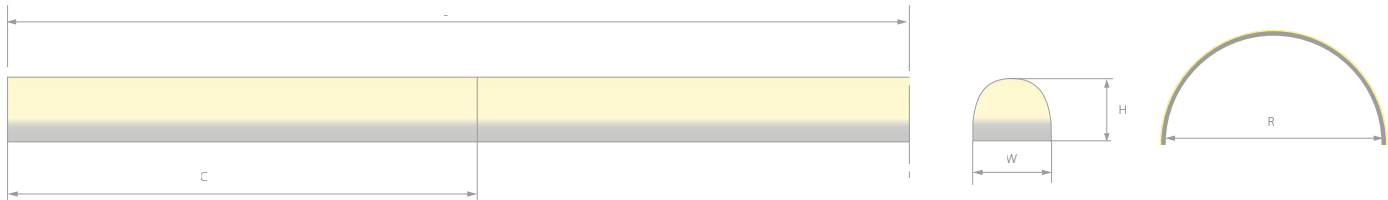
TECHNICAL DATA

Ref	Color temperatur	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	2.38 W/ft	113°	24 V DC	34
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				
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



DIMMENSIONS

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				








POWER
SUPPLIES




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 3/8" Knock-Outs

Driver Type: Class 2 Single Channel

Input Voltage: Universal 120VAC to 277VAC. 50/60Hz

Output Voltage: 12VDC. 24VDC

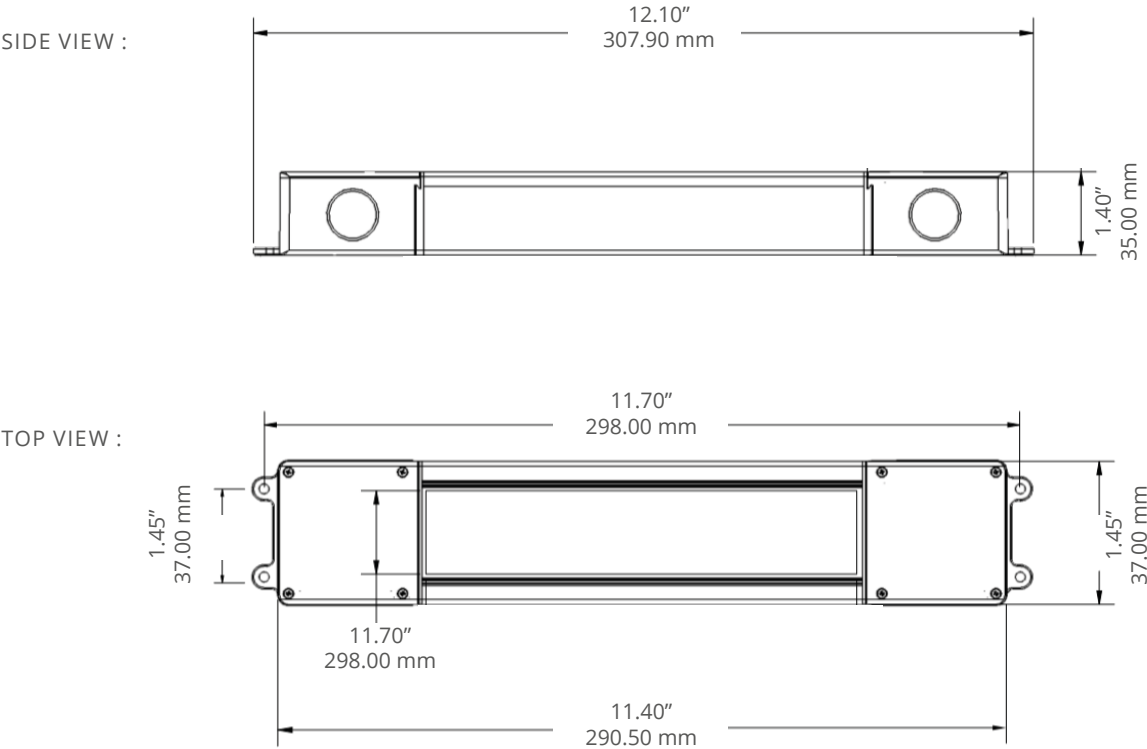
IP Rating: IP66

Listing: Available in UL Listed, Class P, Type HL

Certifications: UL8750

Warranty: 5-Year Warranty

MECHANICAL DIAGRAM :



ND SERIES

ND SERIES NON - DIMMABLE



CLASS 2

120 • 277VAC

24VDC

TYPE HL

SELV

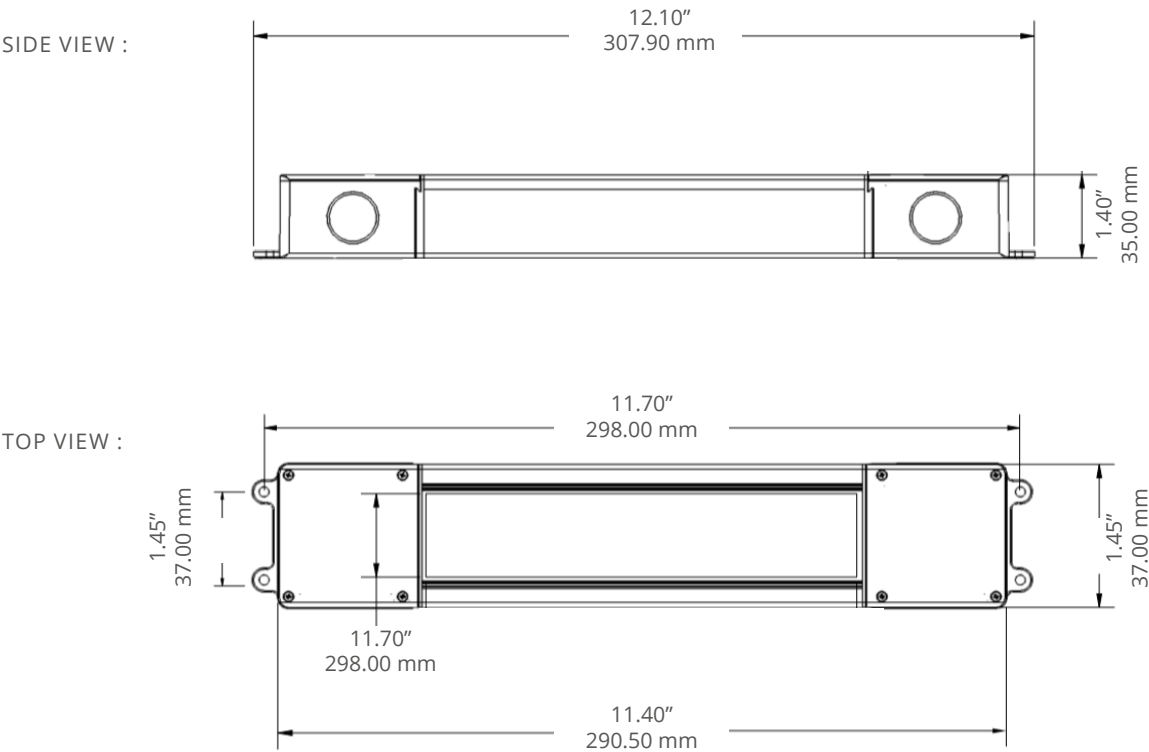
CLASS P

IP66

ORDERING GUIDE:

PART #	MAXIMUM POWER	OUTPUT	DIMENSIONS	<div> <div>Installation:</div> <div>Driver Type:</div> <div>Input Voltage:</div> <div>Output Voltage:</div> <div>IP Rating:</div> <div>Listing:</div> <div>Certifications:</div> <div>Warranty:</div> </div>
ND-30-24	30 WATT MAX	24VDC	<div>Length: 12.10" (307.90 mm)</div> <div>Width: 2.36" (59.9 mm)</div> <div>Height: 1.40" (35 mm)</div>	<div>Has an integrated junction box with Multiple 7/8" Knock-Outs</div> <div>Class 2 Single Channel</div> <div>Universal 120VAC to 277VAC. 50/60Hz</div> <div>12VDC. 24VDC</div> <div>IP66</div> <div>Available in UL Listed, Class P, Type HL</div> <div>UL8750</div> <div>5-Year Warranty</div>
ND-60-24	60 WATT MAX	24VDC		
ND-96-24	96 WATT MAX	24VDC		

MECHANICAL DIAGRAM :





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772 321 2260

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quotations@klusdesign.com

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