

***All-in-one
Sound and Light solution***

Product Profile



KSCAPE
Merging Senses



KSCAPE

All-In-One Solution of Innovative Audio Technology
and High-End Lighting

Immerse yourself in a new expression of sound and light made especially to enhance your experience with design and space. Let yourself be inspired by this new division of K-array Unique Audio Solutions called KSCAPE where you will find custom products, incredible benefits and sophisticated solutions to extend the potential of light and sound for generations.

**QUALITY LIGHT AND PRO AUDIO COMBINED**

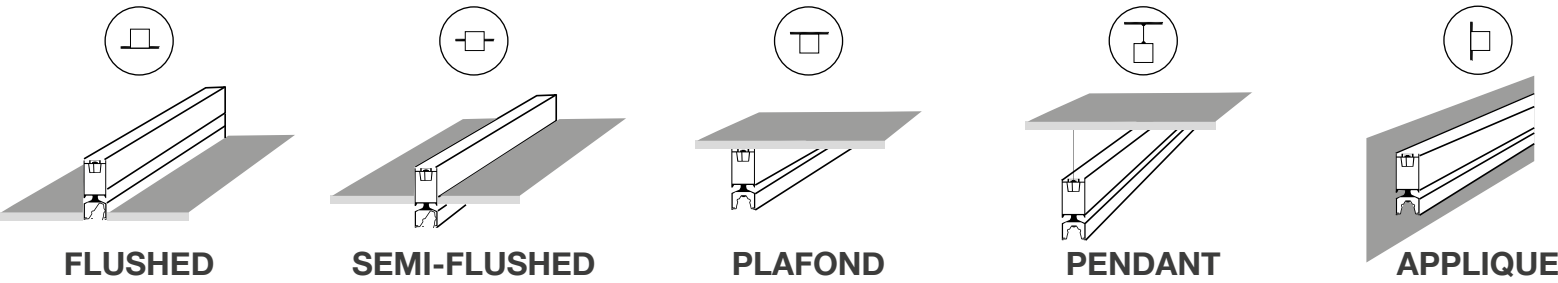
KSCAPE's first product RAIL is one of pure, streamlined elegance. Born out of the single-minded vision to create the most effective pro audio solution with light never before seen. RAIL is a 1.2-meter line of warm, homogeneous with 3 full-range cone drivers built to provide a powerful blend of low and high frequencies spread evenly for a high quality continuous sound emission . The custom LED performance is highlighted thanks to the different parabolas specifically designed with aluminum coated MiroSilver® with a reflection index greater than 98%. RAIL features 3 full-range cone drivers built to provide a powerful blend of low and high frequencies spread evenly for a high quality continuous sound emission.

A DYNAMIC SOLUTION

RAIL provides a selection of direct light distribution including Symmetrical, Asymmetrical, Mini Spot and an Electrified Track with adjustable magnetic spotlights. RAIL can also blend into projects as a track only option with the possibility to host third party spots as you prefer. An indirect light provides more lighting options and full range audio completes the system. This is an unique solution for integrators and designers when both quality of sound and light are essential without compromising the time and budget.

ADAPTS EASILY

The RAIL comes with a host of combinations easily adaptable to a variety of needs and designs to enhance the listeners experience while delivering a homogeneous, beneficial light source. RAIL works perfectly in contemporary offices, hotels, retail, museums, showrooms, residential projects, luxury yachts and more.



CRAFTED FOR DURABILITY

The main body of the lights are made from extruded aluminium and stainless steel elements. Thanks to its combination of elliptical and prismshaped filters, the light is perfectly distributed which improves the overall visual effect, as well as providing comfort with its anti-glare properties.

CUSTOMISED TO YOUR PREFERENCE

All RAIL luminaries are available either in 24V or DALI configurations. Black, White or Custom RAL colours are available. External drivers such as LUTRON or Casambi can be used with RAIL to complete your smart installation.



SYMMETRIC

Symmetric, for direct light spread equally in all directions

Audio and Non Audio Models Available



ASYMMETRIC

Asymmetrical, for light directed to one side of the vertical plane

Audio and Non Audio Models Available



MINI-SPOT

Direct light that integrates a narrow rain light element

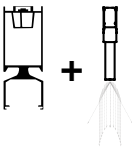
Audio and Non Audio Models Available



DIFFUSED

A frost filter hides from eyes the LED strip and evenly spreads the direct light throughout a wider but less controlled beam.

Audio and Non Audio Models Available



ELECTRIFIED TRACK

Electrified track to provide ultimate flexibility by connecting with optional spots or third party spots

Audio and Non Audio Models Available

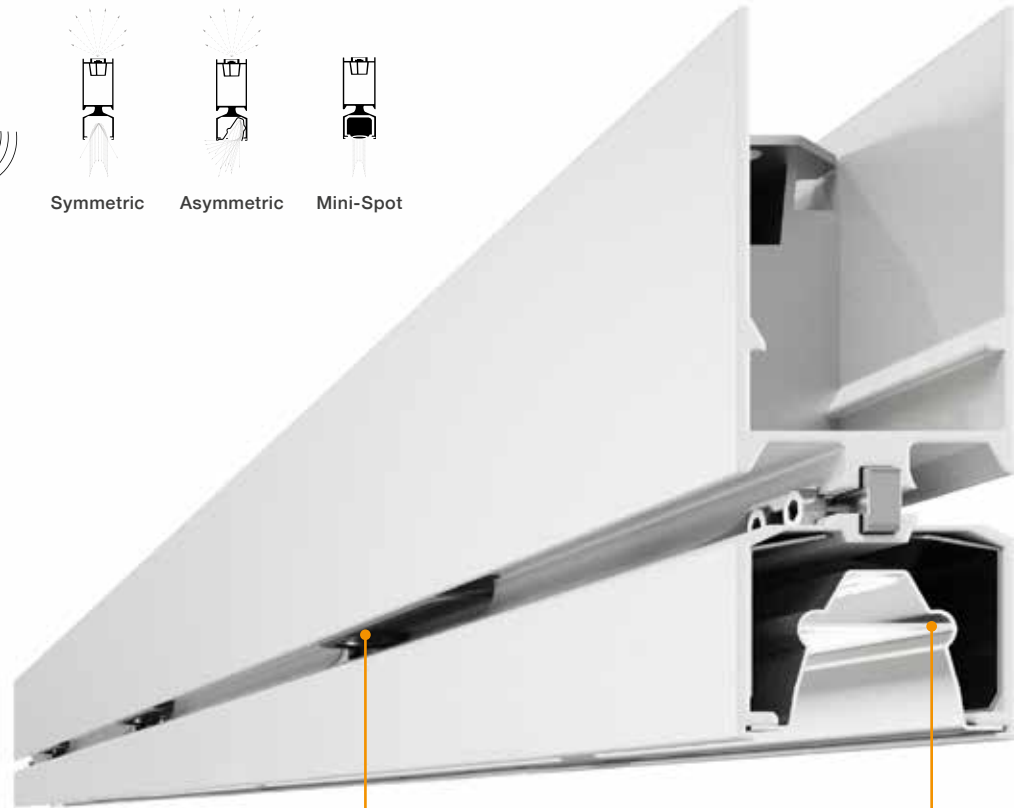
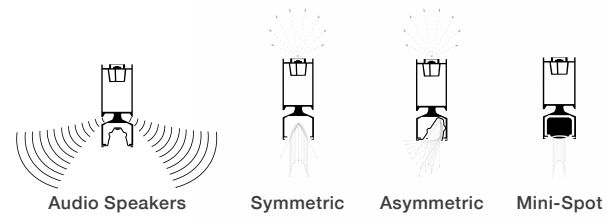


INDIRECT

A light spread of up-light in all directions

Optional

Rail



CASCADE CONNECTION

- LIGHT: max 5 units
- AUDIO: max 12 units @ 4ohm
- DALI CONTROL:
 - Individual control of all RAIL light channels
 - Up to 64 channels, 16 groups and 16 scenes per line
 - Polarity-free DALI bus
 - Status feedback from RAIL channels

SPEAKER

- Uniform continuous sound emission
- Super even coverage
- The perfect soundscape
- 3x 1"x 5" woofers per module
- Wide horizontal coverage – 100°
- Full-range sound emission for BGM – 84 dB @ 1m
- Possibility to combine with an ultra-compact K-array subwoofer



LENS

- Proprietary optical system
- Reflector made of Miro Silver Aluminum
- Reflectance > 98%

LED PCB characteristics

- PCB made in Italy
- LED spacing: 3.5 mm (360 LED / Rail)
- LED by Japan manufacturer Nichia
- 32 W - 3500 Lumen per Rail
- Lm80 = 60.000 hours
- Efficiency: 111 Lumen / W @ 3000K
- Color temperature: 3000K (2700K and 4000K upon request)
- CRI (Color Rendering Index) > 95



Rail

Electrified Audio Track



ELECTRIFIED TRACK

- Standard Stucchi electrified track
- Compatible with third-party spotlights
- Magnetic adapter for easy mounting



SPEAKER

- Uniform continuous sound emission
- Super even coverage
- The perfect soundscape
- 3x 1"x 5" woofers per module
- Wide horizontal coverage – 100°
- Full-range sound emission for BGM – 84 dB @ 1m
- Possibility to combine with an ultra-compact K-array subwoofer



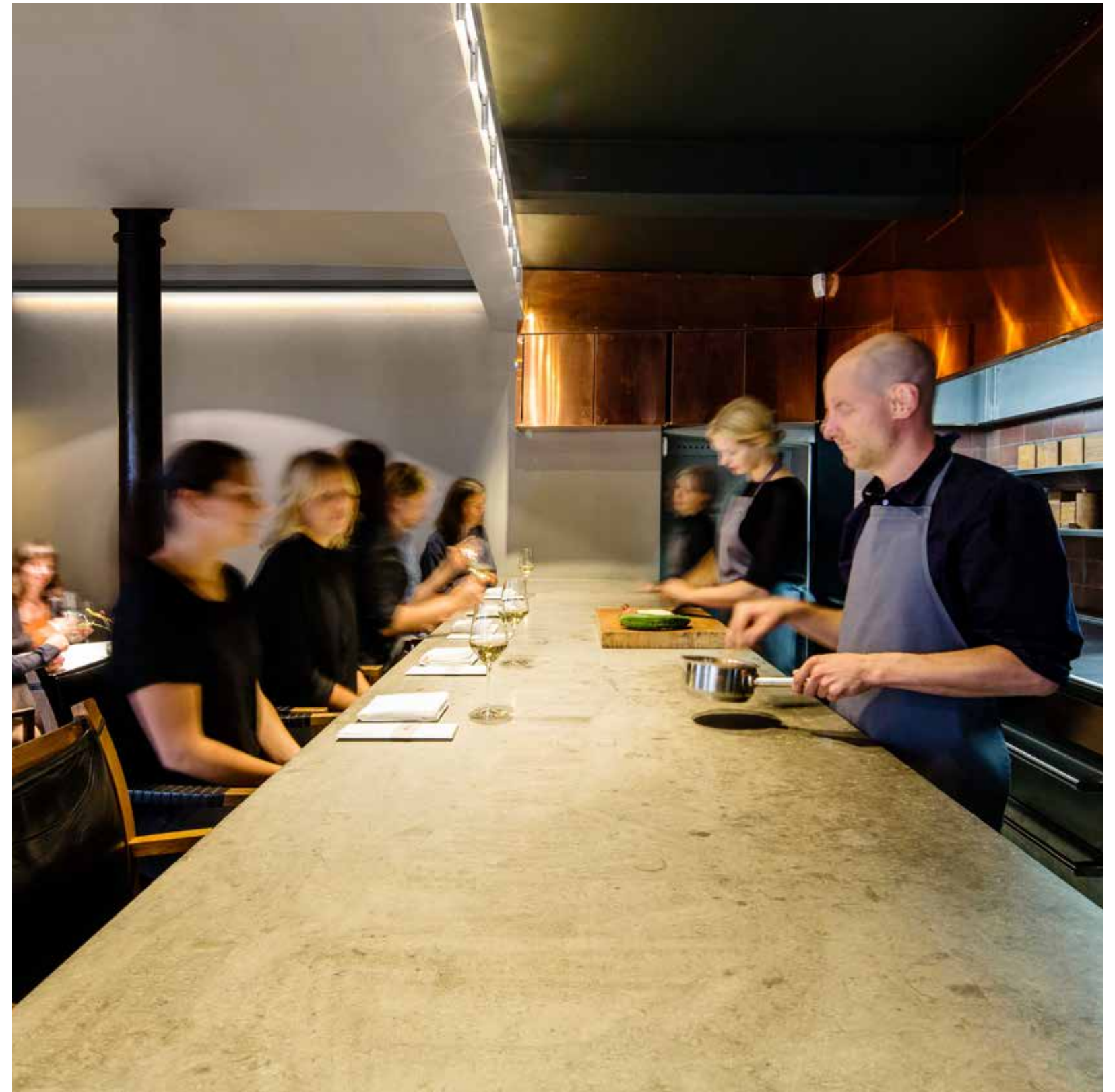
SPOTLIGHT

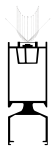
LED PCB characteristics

- PCB made in Italy
- LED spacing: 3.5 mm (360 LED / Rail)
- LED by Japan manufacturer Nichia
- 32 W - 3500 Lumen per Rail
- Lm80 = 60.000 hours
- Efficiency: 111 Lumen / W @ 3000K
- Color temperature: 3000K (2700K and 4000K upon request)
- CRI (Color Rendering Index) > 95

CASCADE CONNECTION

- LIGHT: max 5 units
- AUDIO: max 12 units @ 4ohm
- DALI CONTROL:
 - Individual control of all RAIL light channels
 - Up to 64 channels, 16 groups and 16 scenes per line
 - Polarity-free DALI bus
 - Status feedback from RAIL channels





INDIRECT LIGHT

Better for emitting light indirectly upwards, with a greater intensity of indirect luminosity that homogenizes the lighting area.



Recommended Products



PLUG&PLAY

Amplifier

Impressively, 12 units can be driven by one of the four channels of the small Kommander-KA02 amplifier with built-in DSP to shape your audio preferences, meaning 48 RAIL units are powered by the compact amp which boasts plug and play capabilities and streams songs from a USB or mobile device.



Subwoofer

With a frequency range of 45 Hz to 150 Hz. Designed to remain unseen, the Truffle-KTR25 has an 10”-long cylindrical speaker box equipped with one 5.25” active driver and one symmetrical 5.25” passive speaker on the opposite side – perfect for an omnidirectional low-end source.

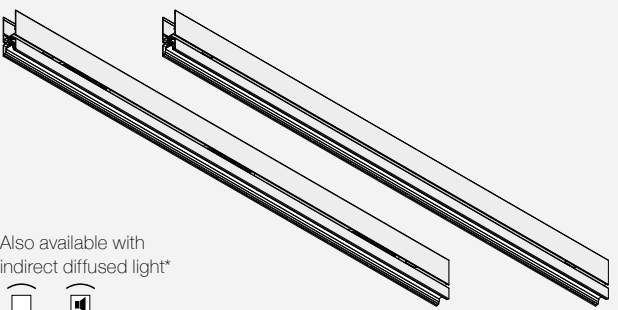
Rail | Asy To Install. Choose Your Configuration



SYMMETRIC

audio

non audio



Also available with indirect diffused light*

ACCESSORIES

Plafond mounting kit - SINGLE
Plafond mounting kit - DOUBLE

Ceiling box FLUSHED

Ceiling box SEMI-FLUSHED

Pendant mounting kit - SINGLE
Pendant mounting kit - DOUBLE

End closure

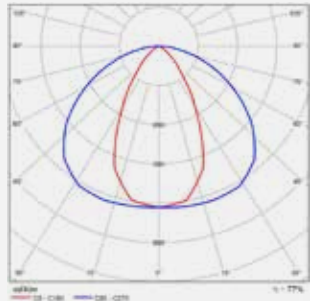
MOUNTING OPTIONS

Plafond

Flushed

Semi-flushed

Pecndant

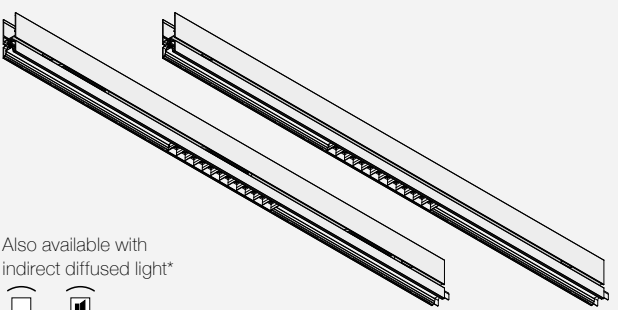


* Indirect light available for Pendant mounting options only

SYMMETRIC + MINI SPOT

audio

non audio



Also available with indirect diffused light*

ACCESSORIES

Plafond mounting kit - SINGLE
Plafond mounting kit - DOUBLE

Ceiling box FLUSHED

Ceiling box SEMI-FLUSHED

Pendant mounting kit - SINGLE
Pendant mounting kit - DOUBLE

End closure

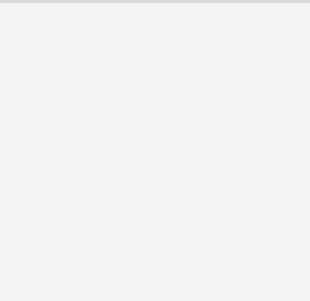
MOUNTING OPTIONS

Plafond

Flushed

Semi-flushed

Pendant

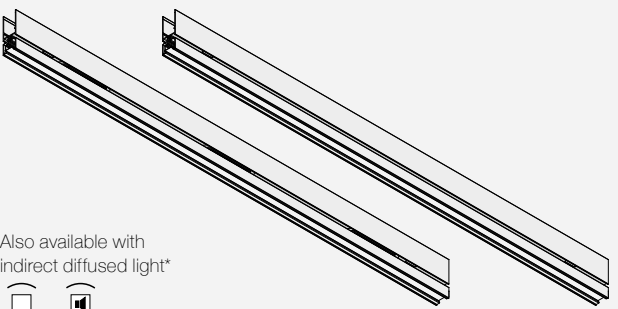


* Indirect light available for Pendant mounting options only

ASYMMETRIC

audio

non audio



Also available with indirect diffused light*

ACCESSORIES

Plafond mounting kit - SINGLE
Plafond mounting kit - DOUBLE

Ceiling box FLUSHED

Ceiling box SEMI-FLUSHED

Pendant mounting kit - SINGLE
Pendant mounting kit - DOUBLE

Applique bracket

End closure

MOUNTING OPTIONS

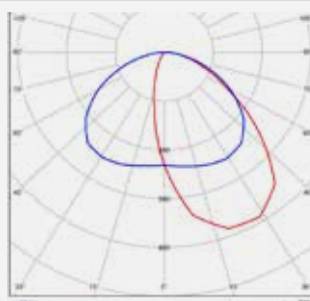
Plafond

Flushed

Semi-flushed

Pendant

Applique

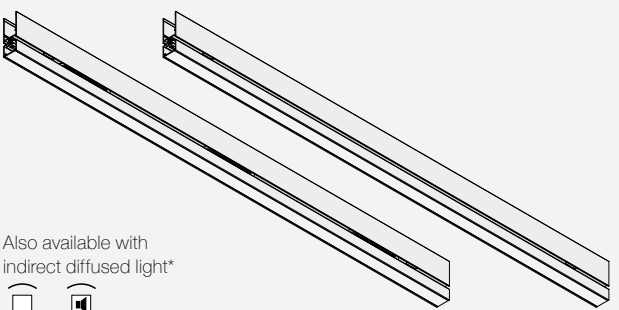


* Indirect light available for Pendant and Applique mounting options only

DIFFUSED

audio

non audio



Also available with indirect diffused light*

ACCESSORIES

Plafond mounting kit - SINGLE
Plafond mounting kit - DOUBLE

Ceiling box FLUSHED

Ceiling box SEMI-FLUSHED

Pendant mounting kit - SINGLE
Pendant mounting kit - DOUBLE

End closure

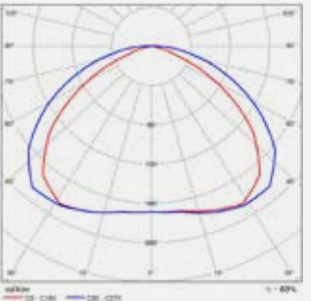
MOUNTING OPTIONS

Plafond

Flushed

Semi-flushed

Pendant

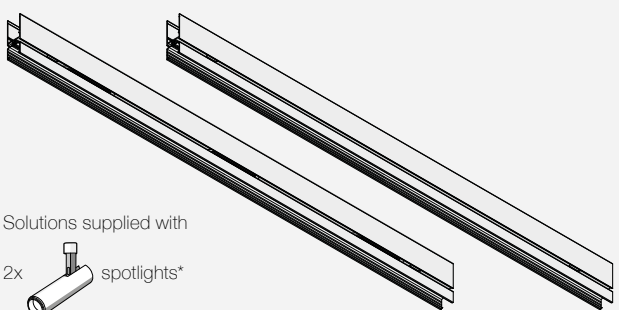


* Indirect light available for Pendant mounting options only

ELECTRIFIED TRACK

audio

non audio



Solutions supplied with 2x spotlights*

Solutions can be supplied with spots or third party spots

ACCESSORIES

Plafond mounting kit - SINGLE
Plafond mounting kit - DOUBLE

Ceiling box FLUSHED

Ceiling box SEMI-FLUSHED

End closure

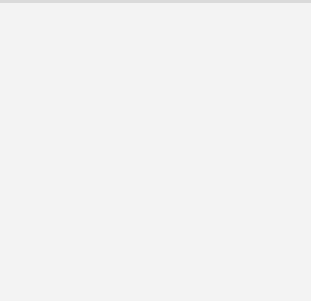
MOUNTING OPTIONS

Plafond

Flushed

Semi-flushed

Pendant



* Up to 4 spotlights can be installed on a single RAIL electrified track unit

JOINING LINKS

Symmetric | Asymmet

Diffused

RTB

L joining link with symmetric light

T joining link with symmetric light

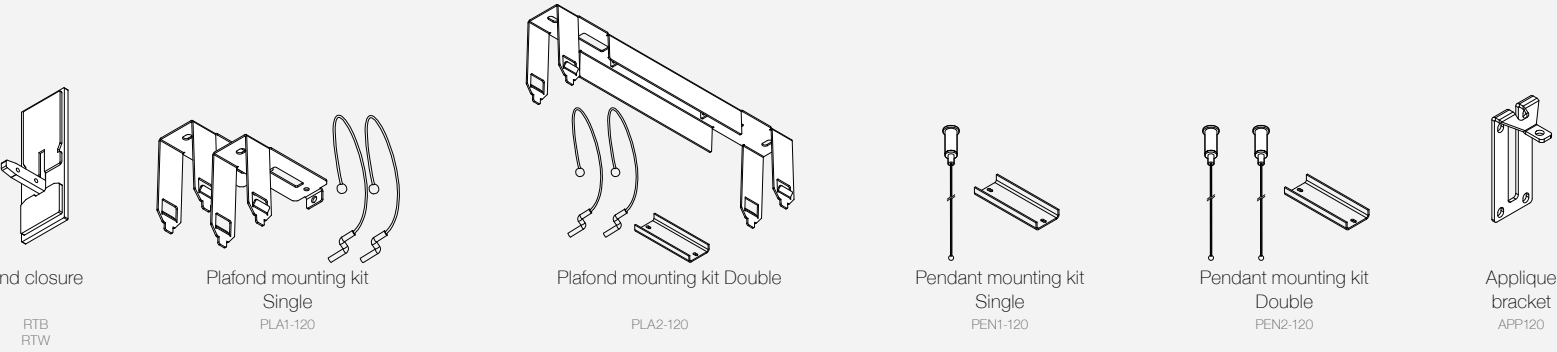
L joining link with diffused light

T joining link with diffused light

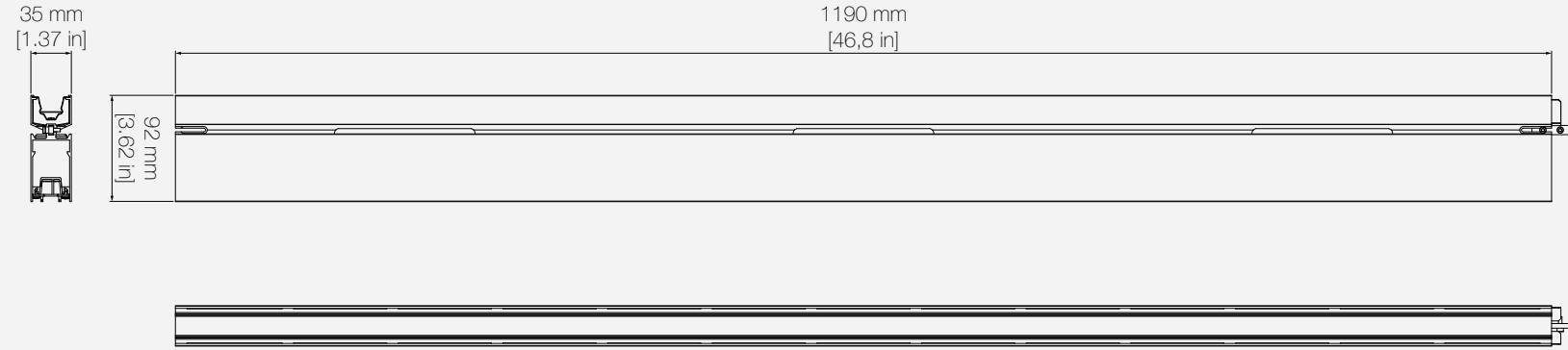
Electrified Track T and L

SUMMARY OF THE CONFIGURATIONS				
AUDIO / NON AUDIO	LIGHT GEOMETRY	DIMMING CONTROL	LIGHTING OPTIONS	MOUNTING OPTIONS
Audio	SYMMETRIC	24V	Direct only	Pendant Flushed Semi-Flushed
Non audio		DALI	Direct - Indirect	Pendant —
Audio	SYMMETRIC + MINI SPOT	DALI	Direct only	Pendant Flushed Semi-Flushed
Non audio			Direct - Indirect	Pendant —
Audio	ASYMMETRIC	24V	Direct only	Pendant Flushed Semi-Flushed
Non audio		DALI	Direct - Indirect	Pendant Applique
Audio	DIFFUSED	24V	Direct only	Pendant Flushed Semi-Flushed
Non audio		DALI	Direct - Indirect	Pendant Applique
Audio	ELECTRIC AUDIO TRACK	DALI or 24V	Indirect only	Pendant Flushed Semi-Flushed
Non audio			Spot Lights	Pendant Flushed Semi-Flushed Applique

ACCESSORIES



MECHANICAL DRAWINGS



SPOTLIGHT

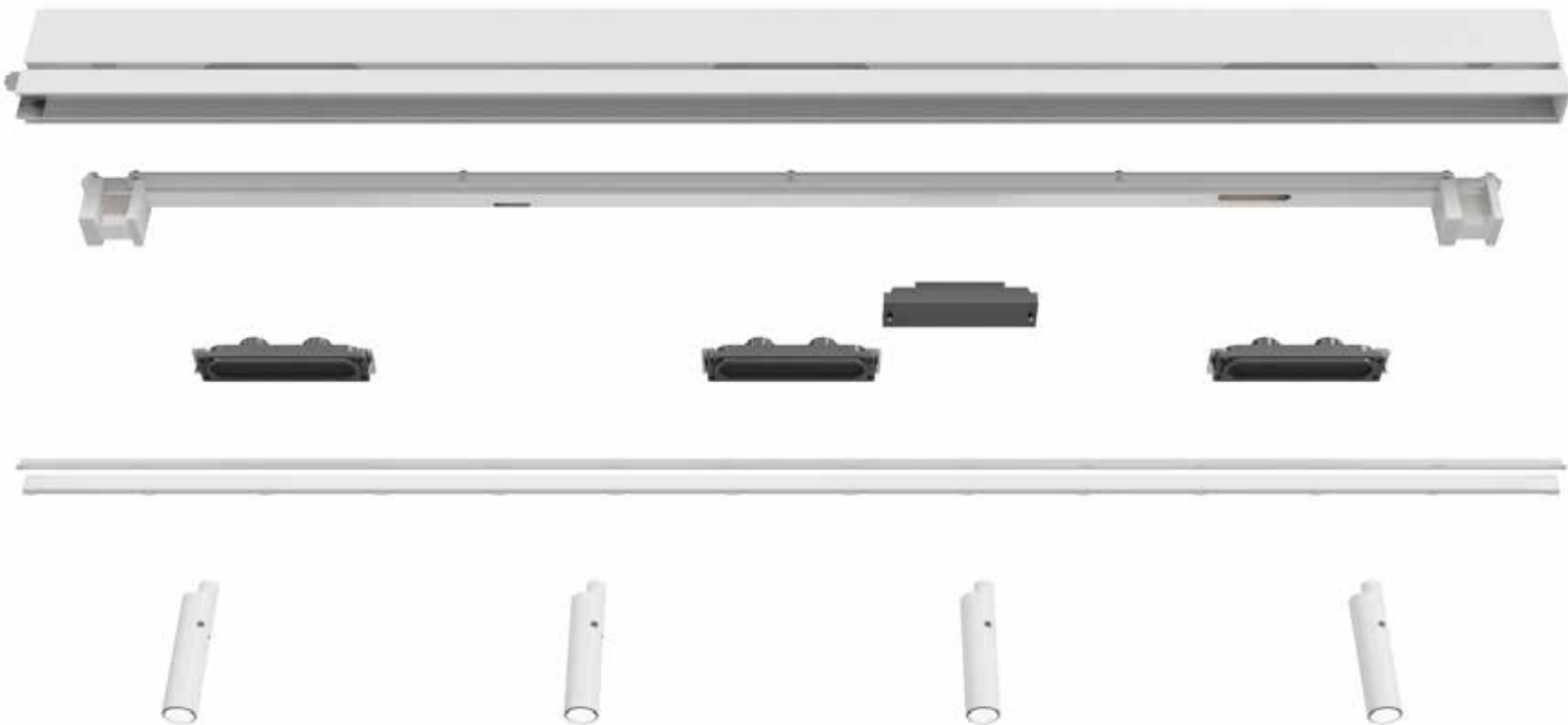
Black White

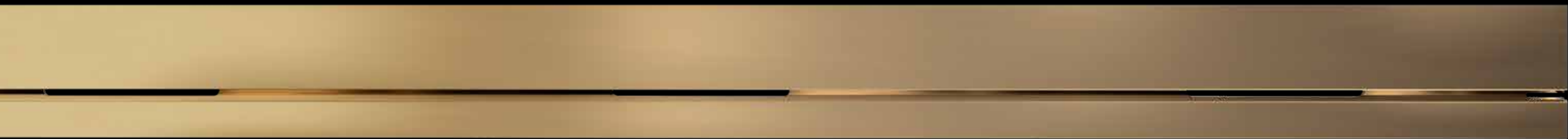
Spotlight technical specifications

Color Temperature	3000 K	Lumen	920lm
Color Rendering Index	CRI > 95 (UNI 10380)	Angle	32 degrees
Control Interface	DALI		
Efficiency	127 lm/W		
Ingress Protection Code	IP40		
Power Consumption	7 W		
Input Voltage	24 Vdc constant voltage		

For third party spots, a non-polarized adapter or multi-system is required.

TECHNICAL SPECIFICATIONS		
LIGHT		
	Lighting source	LED on rigid PCB (either direct and indirect lighting)
	Light reflector	Parabolic MIRO-SILVER® Aluminum reflector with more than 98% efficiency
	Color Temperature	3000 K (on request 2700 K or to 4000 K)
	Color Rendering Index	CRI > 95 (UNI 10380)
	Luminous Power	3680 lm @ 3000 K
	LED lifetime	LM-80: 60.000 hours
	Efficiency	111 lm/W @ 3000 K
	Control Interface	on/off, DALI on request
	Ingress Protection Code	IP40
	Power Consumption	32 W (+ 18 W for optional indirect light) per 120 cm unit
	Input Voltage	24 Vdc constant voltage
	Regulations	EN 60598-1:2015 – EN 60598-2-1:1989 – EN 62471:2008
AUDIO		
	Type	Distributed point sources
	Drivers	3 x 1” x 5” neodymium magnet drivers with 0.75” voice coil
	Frequency Response	60 Hz – 20 kHz (-6 dB) [full-range preset @ 84 dB max SPL] 200 Hz – 20 kHz (-6 dB) [w/ subwoofer preset @ 97 dB max SPL]
	Rated Power	75 W peak
	Maximum SPL	100 dB (peak)
	Nominal Impedance	48 Ω
	Coverage	V: 10° H: 110° (unit set in vertical position)
	Recommended Audio Amplifier	Kommander-KA02, Kommander-KA14, Kommander-KA24, GA201
HANDLING AND FINISHES		
	Dimensions (WxHxD)	1190 x 35 x 92 mm (46.8 x 1.37 x 3.62 in)
	Weight	3,0 kg (6.61 lb)
	Colors & Finishes	Black, White, Custom RAL color







www.kscapemergingsenses.com