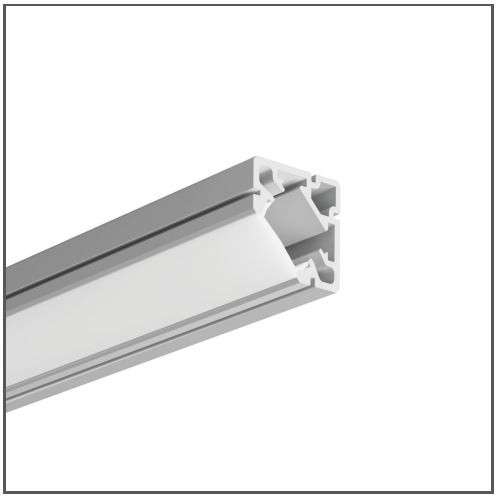
45-PLUS Extrusion

Ref. A00005



KEY FEATURES

- Installation in corners
- Lighting at a 45° angle
- Wide range of accessories
- Ease of creating geometric figures
- Possibility of mounting sealed LED strips of the 8K series

APPLICATION

furniture, under-cabinet and decorative lighting

MOUNTING

to the surface or suspended, using dedicated accessories

ADDITIONAL INFORMATION

- when choosing a different length of profiles / covers than available in the standard, you should additionally choose the cutting service at KLUŚ

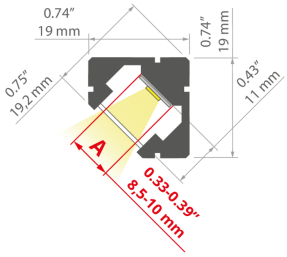
IP PROTECTION RATING

IP20 IP67

MOUNTING METHOD

Surface mounted

TECHNICAL DRAWING



AVAILABLE COLOURS

COLOR	LENGTH	REF
silver anodized	39.4"	A00005A_1
	78.9"	A00005A_2
	118.5"	A00005A_3
white lacquered	78.9"	A00005L10OD_2
black anodized		A00005A07_2

TECHNICAL SPECIFICATIONS

Material	aluminum
Possible fixture IP	20, 67
Possible fixture shapes	linear
Profile cross-section	angled
Width	0.7"
Height	0.7"
LED gluing width A	0.3"
Max. number of LED strips A (0.31" wide)	1
Width of the glow	11.2 mm
Max power of a single KLUŚ LED strip	7.3 W/ft
Lighting at an angle	45
Possibility of obtaining a line of light	yes
Building type	Residential, Retail, Hotel / Restaurant, Entertainment/ Arts, Other
Facility zone	office, kitchen, bathroom, under-cabinet / furniture, cove / perimeter, exhibition / tradeshow / display
Easy assembly and disassembly by snapping in and out	yes
The cover is cut to the length of the profile	yes
Can be easily connected into runs	yes
Furniture lighting	yes
Decorative lighting	yes
Functional lighting	yes
Wire out end cap	yes
Wire out back of extrusion	yes

RELATED ACCESSORIES > COVERS

NAME	KEY FEATURES	MATERIAL	MATERIAL TRANSMITTANCE	COLOR	REF.
LIGER-11 Cover	- hight light quality - Ease of obtaining a line of light - perfectly diffusing - For indoor and outdoor applications	PC	21 %	black	B17037B
			59 %	satin	B17037S
			67 %	frosted	B17064F
KA-11 Cover	- maximum brightness - indoor use - basic - universal	PC	89 %	clear	B17064C

45-PLUS Extrusion

Ref. A00005

NAME	KEY FEATURES	MATERIAL	MATERIAL TRANSMITTANCE	COLOR	REF.
KA-11R Cover	- maximum brightness - hight durability - hight light quality - indoor use - perfectly diffusing	PC	62 %	frosted	B17076F
HS-11 Cover	- For indoor and outdoor applications - UV resistant - hight durability	PC	59 %	frosted	B17208F
			88 %	clear	B17208C

LINE OF LIGHT TABLE

LED TAPE	LIGER-11 SATIN	LIGER-11 BLACK	HS-11 FROSTED	KA-11 FROSTED ROUND
K-0360-24	✓ (1)	X	✓ (1)	✓ (1)
K-0720-24	✓ (1)	X	✓ (1)	✓ (1)
K-1080-24	✓ (1)	X	✓ (1)	✓ (1)
K-CR-1220-24	✓ (1)	X	✓ (1)	✓ (1)
K-CR-1275-24	✓ (1)	X	✓ (1)	✓ (1)
K-CRHD-1820-24	✓ (1)	✓ (1)	✓ (1)	✓ (1)
K-CRHD-1910-24	✓ (1)	✓ (1)	✓ (1)	✓ (1)
K-HEHD-0480-24	✓ (1)	X	✓ (1)	✓ (1)
K-HEHD-0960-24	✓ (1)	X	✓ (1)	✓ (1)
K-HEHD-1440-24	✓ (1)	X	✓ (1)	✓ (1)
K-HEHD-1920-24	✓ (1)	X	✓ (1)	✓ (1)
K-HEHD-0320-24	✓ (1)	X	✓ (1)	✓ (1)
K-RGBW-1920-120-24	✓ (1)	X	✓ (1)	✓ (1)
K-RGB-1200-24	✓ (1)	X	✓ (1)	✓ (1)
K-30/18-1770-24	✓ (1)	✓ (1)	✓ (1)	✓ (1)
KWP-RGB-1200-24	✓ (1)	X	✓ (1)	✓ (1)
K-2400-24	✓ (1)	X	✓ (1)	✓ (1)
K-30/18-1770-010V-24V	✓ (1)	✓ (1)	✓ (1)	✓ (1)
K-HEHD-1440-24-40C	✓ (1)	X	✓ (1)	✓ (1)
K-SD-1440-24	✓ (1)	X	✓ (1)	✓ (1)
K-RGBW-1920-160-24	✓ (1)	X	✓ (1)	✓ (1)
K-SDCR-22T50-1530-24	✓ (1)	✓ (1)	✓ (1)	✓ (1)

Description

✓ - Line of Light for a number (X) of rows - Pixel free imaging
X - Visible Dotting from Diodes
HL - Centered Line of Light - Concentrated in middle
HL (X) - Centered Line of Light for a number (X) of rows - Concentrated in middle

Line of Light Guide



Clean Line of Light (Pixel free imaging)



Centered Line of Light



Visible Dotting from Diodes

RELATED ACCESSORIES > END CAPS

NAME			MATERIAL	COLOR	REF.
45-PLUS End cap	NEW		ABS	black	C20007C07
				gray	C20007C02
				white	C20007C10
45-PLUS-OTW	NEW		ABS	black	C20007C07TW
				gray	C20007C02TW
				white	C20007C10TW
45-PLUS-R-OTW	NEW		ABS	black	C20008C07TW
				gray	C20008C02TW
				white	C20008C10TW

45-PLUS Extrusion
Ref. A00005

NAME			MATERIAL	COLOR	REF.
45-PLUS-R End cap	NEW		ABS	black	C20008C07
				gray	C20008C02
				white	C20008C10

RELATED ACCESSORIES > OTHER ACCESSORIES > MOUNTING BRACKETS

NAME	KEY FEATURES	MATERIAL	COLOR	REF.
45-EXT Mounting bracket NEW	- Mounting with angle adjustment function	aluminum, stainless steel	gray	C28309N00
45-STN Mounting bracket	- For indoor and outdoor applications	stainless steel	silver	C24144N00
			black	C24262L07
			white	C24265L10

RELATED ACCESSORIES > OTHER ACCESSORIES > FASTENERS AND HEADS FOR EXTRUSIONS

NAME	MATERIAL	COLOR	REF.
45-ST Head	stainless steel	silver	C28111N00

RELATED ACCESSORIES > OTHER ACCESSORIES > CONNECTORS

NAME	KEY FEATURES	MATERIAL	COLOR	REF.
ZM Connector		stainless steel	silver	42720 42728 C28070N00 C28071N00 C28072N00 C28073N00 C28074N00 C28075N00 C28243N00
ZM-NA Connector		stainless steel	silver	42339
ZM-PION Connector	- for connecting profiles in the vertical plane	stainless steel	silver	42314 42316 42320 42718 42719 C28084N00 C28085N00 C28086N00 C28087N00 C28088N00
ZM-NA-PION Connector		stainless steel	silver	42315 42317 42321

RELATED ACCESSORIES > RELATED LED > HIGH EFFICACY

NAME	KEY FEATURES	IP PROTECTION RATING	POWER CONSUMPTION	REF.
K-HEHD-0320-24 LED tape	- CRI over 95 - High Efficacy	20	1 W/ft	K-HEHD27-0320-24 K-HEHD30-0320-24 K-HEHD35-0320-24 K-HEHD40-0320-24
K-HEHD-0480-24 LED tape	- CRI over 95 - High Efficacy	20	1.5 W/ft	K-HEHD22-0480-24 K-HEHD25-0480-24 K-HEHD27-0480-24 K-HEHD30-0480-24 K-HEHD35-0480-24 K-HEHD40-0480-24 K-HEHD50-0480-24
K-HEHD-0960-24 LED tape	- CRI over 95 - High Efficacy	20	2.9 W/ft	K-HEHD22-0960-24 K-HEHD25-0960-24 K-HEHD27-0960-24 K-HEHD30-0960-24 K-HEHD35-0960-24 K-HEHD40-0960-24 K-HEHD50-0960-24
K-HEHD-1440-24 LED tape	- CRI over 95 - High Efficacy	20	4.4 W/ft	K-HEHD22-1440-24 K-HEHD25-1440-24 K-HEHD27-1440-24 K-HEHD30-1440-24 K-HEHD35-1440-24 K-HEHD40-1440-24 K-HEHD50-1440-24
LED tape K-HEHD-1920-24	- CRI over 95 - High Efficacy	20	5.9 W/ft	K-HEHD22-1920-24 K-HEHD25-1920-24 K-HEHD27-1920-24 K-HEHD30-1920-24 K-HEHD35-1920-24 K-HEHD40-1920-24 K-HEHD50-1920-24

45-PLUS Extrusion
Ref. A00005

RELATED ACCESSORIES > RELATED LED > CRI 95+

NAME	KEY FEATURES	IP PROTECTION RATING	POWER CONSUMPTION	REF.
K-CR-1210-24 LED tape	- CRI over 95	20	1.5 W/ft	K-CR22-1210-24 K-CR27-1210-24
K-CRHD-1910-24 LED tape	- CRI over 95 - high LED density	20	2.8 W/ft	K-CRHD27-1910-24 K-CRHD35-1910-24 K-CRHD40-1910-24
K-CR-1220-24 LED tape	- CRI over 95	20	2.9 W/ft	K-CR22-1220-24 K-CR25-1220-24 K-CR27-1220-24 K-CR30-1220-24 K-CR35-1220-24 K-CR40-1220-24 K-CR50-1220-24
K-CR-1275-24 LED tape	- CRI over 95	20	4.4 W/ft	K-CR22-1275-24 K-CR25-1275-24 K-CR27-1275-24 K-CR30-1275-24 K-CR35-1275-24 K-CR40-1275-24 K-CR50-1275-24
K-HEHD-1440-24-40C LED tape	- High Efficacy - cold weather -40F	20	4.4 W/ft	K-HEHD22-1440-24-40C K-HEHD25-1440-24-40C K-HEHD27-1440-24-40C K-HEHD30-1440-24-40C K-HEHD35-1440-24-40C K-HEHD40-1440-24-40C K-HEHD50-1440-24-40C
K-CRHD-1820-24 LED tape	- CRI over 95 - high LED density	20	5.6 W/ft	K-CRHD27-1820-24
KWP-8KCR-1210-24 LED tape	- universal for basic applications - easy snap-in installation - CRI over 95	65	1.5 W/ft	KWP-8K-CR22-1210-24 KWP-8K-CR27-1210-24
KWP-CR-1220-24 LED tape	- CRI over 95	65	2.9 W/ft	KWP-CR22-1220-24 KWP-CR25-1220-24 KWP-CR27-1220-24 KWP-CR30-1220-24 KWP-CR35-1220-24 KWP-CR40-1220-24 KWP-CR50-1220-24
LED tape KWP-8KCR-1220-24	- universal for basic applications - easy snap-in installation - CRI over 95	65	2.9 W/ft	KWP-8K-CR22-1220-24 KWP-8K-CR25-1220-24 8K-KWP-CR27-1220-24 8K-KWP-CR30-1220-24 KWP-8K-CR35-1220-24 KWP-8K-CR40-1220-24 KWP-8K-CR50-1220-24
KWP-8KCR-1275-24 LED tape	- universal for basic applications - easy snap-in installation - CRI over 95	65	4.4 W/ft	KWP-8K-CR22-1275-24 KWP-8K-CR25-1275-24 KWP-8K-CR27-1275-24 KWP-8K-CR30-1275-24 KWP-8K-CR35-1275-24 KWP-8K-CR40-1275-24 KWP-8K-CR50-1275-24
KWP-CR-1275-24 LED tape	- CRI over 95	65	4.4 W/ft	KWP-CR22-1275-24 KWP-CR25-1275-24 KWP-CR27-1275-24 KWP-CR30-1275-24 KWP-CR35-1275-24 KWP-CR40-1275-24 KWP-CR50-1275-24

RELATED ACCESSORIES > RELATED LED > CRI 90+

NAME	KEY FEATURES	IP PROTECTION RATING	POWER CONSUMPTION	REF.
K-2400-24 LED tape	- high power	20	7.3 W/ft	K-27-2400-24 K-30-2400-24 K-35-2400-24 K-40-2400-24 K-50-2400-24
KWP-GHD-1910-24 LED tape	- high LED density	65	2.8 W/ft	KWP-GHD27-1910-24 KWP-GHD30-1910-24 KWP-GHD35-1910-24 KWP-GHD40-1910-24
LED tape KWP-8K-1275-24	- easy snap-in installation	65	4.4 W/ft	KWP-8K22-1275-24 KWP-8K25-1275-24 KWP-8K27-1275-24 KWP-8K30-1275-24 KWP-8K35-1275-24 KWP-8K40-1275-24 KWP-8K50-1275-24
KWP-GHD-1640-24 LED tape	- high LED density	65	5 W/ft	KWP-GHD22-1640-24 KWP-GHD25-1640-24 KWP-GHD27-1640-24 KWP-GHD30-1640-24 KWP-GHD35-1640-24 KWP-GHD40-1640-24 KWP-GHD50-1640-24

45-PLUS Extrusion
Ref. A00005

RELATED ACCESSORIES > RELATED LED > ADJUSTABLE WHITE / DIM TO WARM

NAME	KEY FEATURES	IP PROTECTION RATING	POWER CONSUMPTION	REF.
K-30/18-1770-010V-24V LED tape		20	3.5 W/ft	K-30/18-1770-010V-24V
K-30/18-1770-24V LED tape		20	3.5 W/ft	K-30/18-1770-24
K-SDCR-22T50-1530-24 LED tape	- Tuneable white 2200K-5000K	20	4.7 W/ft	K-SDCR-22T50-1530-24
KWP-SDCR-22T50-1530-24 LED tape	- Tuneable white 2200K-5000K	65	4.7 W/ft	KWP-SDCR-22T50-1530-24
KWP-G22/50-1728-24 LED tape	- Tuneable white 2200K-5000K	65	5.3 W/ft	KWP-G22/50-1728-24

RELATED ACCESSORIES > ELECTRONICS > SWITCHES

NAME	KEY FEATURES	IP PROTECTION RATING	REF.
Switch MICRO 96W IP20	- push button switch - factory pre-soldered wires	20	1576
Proximity switch UNI	- touchless switch - width only 7mm	20	E61579
Switch UNI-M07	- magnetic switch with magnet included - width only 7mm	20	E62153
Switch UNI-M07P	- magnetic switch with magnet included - width only 7mm - factory pre-soldered wires	20	E62154