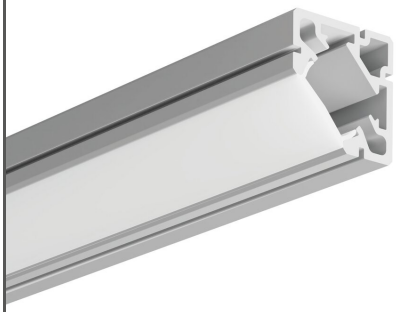
45-PLUS Extrusion

Ref. A00005

NEW



IP20 IP67

- 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

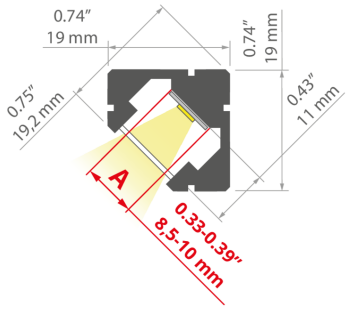
MOUNTING

- 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

TECHNICAL DRAWING



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"**
Number of LED strips A (0.31" wide)	**1**
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**

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	78.9"	**A00005A07_2**

45-PLUS Extrusion

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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

LINE OF LIGHT TABLE

LED tape	LIGER-11 satin	LIGER-11 black	HS-11 frosted	KA-11 frosted round	KA frosted
K-2400-24	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
K-CR-1220-24	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
K-CR-1275-24	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
K-CRHD-1820-24	✓ (1)	✓ (1)	✓ (1)	✓ (1)	✓ **(1)**
K-CRHD-1910-24	✓ (1)	✓ (1)	✓ (1)	✓ (1)	✓ **(1)**
K-HEHD-0480-24	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
K-HEHD-0960-24	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
K-HEHD-1440-24	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
K-HEHD-1920-24	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
K-HEHD-0320-24	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
K-RGBW-1920-120-24	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
KWP-8KRGB-1200-24	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
K-22/50-1728-24	✓ (1)	✓ (1)	✓ (1)	✓ (1)	✓ **(1)**
K-27/65-1920-24	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
K-30/18-1770-24	✓ (1)	✓ (1)	✓ (1)	✓ (1)	✓ **(1)**
K-CRHD-0530-24	✓ (1)	✓ (1)	✓ (1)	✓ (1)	✓ **(1)**
K-30/18-1770-010V-24V	✓ (1)	✓ (1)	✓ (1)	✓ (1)	✓ **(1)**
K-HEHD-1440-24-40C	✓ (1)	X	✓ (1)	✓ (1)	✓ **(1)**
KWP-GRGBW-1920-120-24	✓ (1)	X	✓ (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

45-PLUS Extrusion

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KLUŚ Inspiring Solutions

SAMPLE PROJECTS

RELATED ACCESSORIES > COVERS

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

45-PLUS Extrusion

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RELATED ACCESSORIES > END CAPS

NAME			MATERIAL	COLOR	REF.
45-PLUS End cap	NEW		ABS	black	C20007C07
				gray	C20007C02
				white	C20007C10
45-PLUS-OTW End cap with hole	NEW		ABS	black	C20007C07TW
				gray	C20007C02TW
				white	C20007C10TW
45-PLUS-R-OTW End cap with hole	NEW		ABS	black	C20008C07TW
				gray	C20008C02TW
				white	C20008C10TW
45-PLUS-R End cap	NEW		ABS	black	C20008C07
				gray	C20008C02
				white	C20008C10

RELATED ACCESSORIES > RELATED LED > CRI 95+

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape K-CR-1210-24	- CRI over 95	20	1.5 W/ft	K-CR22-1210-24 K-CR25-1210-24 K-CR27-1210-24 K-CR30-1210-24 K-CR35-1210-24 K-CR40-1210-24 K-CR50-1210-24
LED tape K-CR-1220-24	- 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
LED tape K-CR-1275-24	- 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

45-PLUS Extrusion

Ref. A00005

Name	Key features	IP protection rating	Power consumption	Ref.
K-CRHD-0530-24 LED tape,	- CRI over 95	20	1.6 W/ft	K-CRHD22-0530-24 K-CRHD25-0530-24 K-CRHD27-0530-24 K-CRHD30-0530-24 K-CRHD35-0530-24 K-CRHD40-0530-24 K-CRHD50-0530-24
K-CRHD-1820-24 LED tape	- CRI over 95 - high LED density	20	5.6 W/ft	K-CRHD22-1820-24 K-CRHD25-1820-24 K-CRHD27-1820-24 K-CRHD30-1820-24 K-CRHD35-1820-24 K-CRHD40-1820-24 K-CRHD50-1820-24
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-CR25-1210-24 KWP-8K-CR27-1210-24 KWP-8K-CR30-1210-24 KWP-8K-CR35-1210-24 KWP-8K-CR40-1210-24 KWP-8K-CR50-1210-24
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-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
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
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-1910-24 LED tape	- CRI over 95 - high LED density	20	2.8 W/ft	K-CRHD22-1910-24 K-CRHD25-1910-24 K-CRHD27-1910-24 K-CRHD30-1910-24 K-CRHD35-1910-24 K-CRHD40-1910-24 K-CRHD50-1910-24

RELATED ACCESSORIES > RELATED LED > HIGH EFFICACY

45-PLUS Extrusion

Ref. A00005

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-HEHD22-0320-24 K-HEHD25-0320-24 K-HEHD27-0320-24 K-HEHD30-0320-24 K-HEHD35-0320-24 K-HEHD40-0320-24 K-HEHD50-0320-24
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

RELATED ACCESSORIES > RELATED LED > CRI 90+

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape K-2400-24	- 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-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
KWP-GHD-1910-24 LED tape	- high LED density	65	2.8 W/ft	KWP-GHD22-1910-24 KWP-GHD25-1910-24 KWP-GHD27-1910-24 KWP-GHD30-1910-24 KWP-GHD35-1910-24 KWP-GHD40-1910-24 KWP-GHD50-1910-24

RELATED ACCESSORIES > RELATED LED > RGB / RGB-W / RGB-CTT

Name	Key features	IP protection rating	Power consumption	Ref.

45-PLUS Extrusion

Ref. A00005

Name	Key features	IP protection rating	Power consumption	Ref.
KWP-RGB-1920-24 LED tape	- RGB	65	5.9 W/ft	KWP-RGB-1920-24
K-RGBW-1920-120-24 LED tape	- RGBW (3000K)	20	5.9 W/ft	K-RGBW-1920-120-24
K-RGBW-1920-160-24 LED tape	- RGBW (3000K)	20	5.9 W/ft	K-RGBW-1920-160-24
KWP-GRGBW-1920-120-24 LED tape	- RGBW (3000K)	65	5.9 W/ft	KWP-GRGBW-1920-120-24

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

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape K-22/50-1728-24V	- Tuneable white 2200K-5000K	20	5.3 W/ft	K-22/50-1728-24
LED tape K-27/65-1920-24V	- Tuneable white 2600K-6500K	20	5.9 W/ft	K-27/65-1920-24
LED tape K-30/18-1770-24V		20	3.5 W/ft	K-30/18-1770-24
LED tape KWP-27/65-1920-24	- Tuneable white 2600K-6500K	65	5.9 W/ft	KWP-27/65-1920-24
LED tape K-30/18-1770-010V-24V		20	3.5 W/ft	K-30/18-1770-010V-24V
LED tape KWP-G22/50-1728-24	- Tuneable white 2200K-5000K	65	5.3 W/ft	KWP-G22/50-1728-24

RELATED ACCESSORIES > RELATED LED

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape KWP-8KRGB-1200-24	- RGB - easy snap-in installation	65	3.7 W/ft	KWP-8KRGB-1200-24

RELATED ACCESSORIES > OTHER ACCESSORIES > FASTENERS AND HEADS FOR EXTRUSIONS

Name	Material	Color	Ref.
45-ST Head	stainless steel	silver	C28111N00

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 black white	C24144N00 C24262L07 C24265L10

RELATED ACCESSORIES > OTHER ACCESSORIES > ADDITIONAL ITEMS

Name	Material	Ref.
M8x1 Gland	brass	C42265N00

RELATED ACCESSORIES > OTHER ACCESSORIES > CONNECTORS

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Name	Material	Color	Ref.
ZM Connector	stainless steel	silver	42716 42717 42720 42728 C28070N00 C28071N00 C28072N00 C28073N00 C28074N00 C28075N00 C28243N00
ZM-NA Connector	stainless steel	silver	42305 42339 42723 42724 42725 C28242N00
ZM-PION Connector	stainless steel	silver	42314 42316 42320 42718 42719 C28084N00 C28085N00 C28086N00 C28087N00 C28088N00
ZM-NA-PION Connector	stainless steel	silver	42315 42317 42321 42726 42727

RELATED ACCESSORIES > ELECTRONICS > SWITCHES

Name	Key features	IP protection rating	Ref.
Magnetic switch UNI-M07 NEW	- magnetic switch with magnet included - width only 7mm	20	E62153
Magnetic switch UNI-M07P NEW	- magnetic switch with magnet included - width only 7mm - factory pre-soldered wires	20	E62154
Switch MICRO 96W IP20	- push button switch - factory pre-soldered wires	20	1576
Proximity switch UNI	- touchless switch - width only 7mm	20	E61579