GIZA Extrusion
Ref. A05556



KEY FEATURES

- Small bending radius
- Low height
- Wide range of accessories
- Luminaire direction adjustment
- Possibility to use current modules with efficiency up to 190lm/W and CRI>90. Available upon request.

APPLICATION

main, decorative and functional lighting

MOUNTING

suspended, to the surface or recessed, using dedicated accessories, properly selected screws or a dedicated mounting track
semi-round and square covers are cut to the length of the extrusion
easy assembly and disassembly by snapping in and out

ADDITIONAL INFORMATION

- if an adapter is used, the cover must be shortened by 16 mm in relation to the extrusion length
- 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

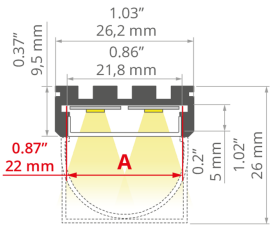
MOUNTING METHOD

Suspended
Surface mounted
T-grid

SPECIAL FEATURES

Possibility of bending

TECHNICAL DRAWING



AVAILABLE COLOURS

COLOR	LENGTH	REF
silver anodized	39.4"	A05556A_1
	78.9"	A05556A_2
	118.5"	A05556A_3
white lacquered	78.9"	A05556L10_2

TECHNICAL SPECIFICATIONS

Material	aluminum
Possible fixture IP	20, 67
Possible fixture shapes	linear, polygonal, round
Profile cross-section	rectangular
Width	1"
Height	0.4"
LED gluing width A	0.9"
Max. number of LED strips A (0.31" wide)	2
Width of the glow	22 mm
Max power of a single KLUŚ LED strip	7.3 W/ft
Lighting angle adjustment from	0
Lighting angle adjustment up to	150
Closet Rated	yes
Possibility of obtaining a line of light	yes
Possibility of bending	yes
Radius of the light arc	yes
Inward	200 mm
Outdoor	200 mm
Building type	Entertainment/ Arts, Hotel / Restaurant, Commercial, Retail
Facility zone	office, lobby / foyer, fitness / spa, media rooms / av
Easy assembly and disassembly by snapping in and out	yes
Can be easily connected into runs	yes
Wire out back of extrusion	yes

RELATED ACCESSORIES > COVERS

NAME		KEY FEATURES	MATERIAL	MATERIAL TRANSMITTANCE	COLOR	REF.
Focusing cover GIZA-22 26°DEG	NEW	- focusing	PMMA	90 %	semi-transparent	B17236T
Focusing cover GIZA-22 45°DEG	NEW	- focusing	PMMA	92 %	semi-transparent	B17237T

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NAME		KEY FEATURES	MATERIAL	MATERIAL TRANSMITTANCE	COLOR	REF.
Focusing cover GIZA-22 ASYM 45°DEG	NEW	- focusing	PMMA	89 %	semi-transparent	B17238T
LIGER-22 Cover		- hight light quality - For indoor and outdoor applications - Ease of obtaining a line of light - perfectly diffusing	PC	22 %	black	B17032B
				70 %	satin	B17032S
HS-22 Cover		- For indoor and outdoor applications - UV resistant	PC	65 %	frosted	B17011F
				88 %	clear	B17011C
				90.5 %	microprism	B17011M
G-22R Cover		- indoor use - perfectly diffusing	PMMA	20 %	black	B17006B
				71 %	satin	B17006S
				89 %	semi-transparent	B17006T
				94 %	clear	B17006C
G-22S Cover		- indoor use - perfectly diffusing	PMMA	15 %	black	B17013B
				86 %	satin	B17013S
				89 %	semi-transparent	B17013T

LINE OF LIGHT TABLE

LED TAPE	LIGER-22 SATIN	HS-22 FROSTED	G-22R SATIN	G-22R BLACK	G-22S SATIN	G-22S BLACK
K-0360-24	X	X	✓ (1)	X	✓ (1)	X
K-0720-24	X	X	✓ (1)	X	✓ (1)	X
K-1080-24	X	X	✓ (1)	X	✓ (1)	X
K-HD-0430-24	X	X	✓ (1)	X	✓ (1)	X
K-HD-0830-24	X	X	✓ (1)	X	✓ (1)	X
K-HD-1260-24	X	X	✓ (1)	X	✓ (1)	X
K-CRHD-1820-24	✓ (2)	X	✓ (1)	X	✓ (1)	X
K-CRHD-1910-24	✓ (2)	X	✓ (1)	X	✓ (1)	X
K-CR-1220-24	X	X	✓ (1)	X	✓ (1)	X
K-CR-1275-24	X	X	✓ (1)	X	✓ (1)	X
K-HEHD-0480-24	X	X	✓ (1)	X	✓ (1)	X
K-HEHD-0960-24	X	X	✓ (1)	X	✓ (1)	X
K-HEHD-1440-24	X	X	✓ (1)	X	✓ (1)	X
K-HEHD-1920-24	X	X	✓ (1)	X	✓ (1)	X
K-HEHD-0320-24	X	X	✓ (1)	X	✓ (1)	X
K-RGBW-1920-120-24	X	X	✓ (1)	X	✓ (1)	X
K-18D30-0960-24	X	X	✓ (1)	X	✓ (1)	X
K-SDCR-22T50-1530-24	✓ (2)	X	✓ (1)	X	✓ (1)	X
K-SD-1440-24	X	X	✓ (1)	X	✓ (1)	X

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.
				black	C24589C07
				gray	C24589C02
End cap GIZA-LENSO-S	NEW		ASA	white	C24589C10

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NAME			MATERIAL	COLOR	REF.
End cap set GIZA-LENSO-R	NEW		ASA	black gray white	C24591C07 C24591C02 C24591C10
GIL End cap			PP	black gray silver white	C24029C07 C24029C02 C24029L01 C24029C10
GIZA-T End cap			PP	black gray silver white	C24030C07 C24030C02 C24030L01 C24030C10
GIZA End cap			ABS	gray silver white	C24539C02 C24539L01 C24539C10

RELATED ACCESSORIES > PROFILE TECHNICZNE

NAME	MATERIAL	COLOR	REF.
TEKUS Extrusion	aluminum	silver non anodized	A06638V
TEKUS-ZM Extrusion	aluminum	silver non anodized	A01293
TEKNIK-ZM Extrusion	aluminum	silver non anodized	A00399

RELATED ACCESSORIES > OTHER ACCESSORIES > CANOPIES

NAME	KEY FEATURES	MATERIAL	COLOR	REF.
Fi-60mm Canopy	- Convenient cable length adjustment, in the ZM system	steel	gray lacquered white lacquered black lacquered	C24540L01 C24540L10 C24540L07

RELATED ACCESSORIES > OTHER ACCESSORIES > MOUNTING BRACKETS

NAME	KEY FEATURES	MATERIAL	COLOR	REF.
REGIP-EXT Mounting bracket NEW	- Mounting with angle adjustment function	aluminum, stainless steel	black white gray	C28304C07 C28304C10 C28304N00
GIP-STN Mounting bracket	- For indoor and outdoor applications	stainless steel	silver	C24447N00
GIP Mounting bracket	- Aesthetic installation of linear fixtures	ASA	gray black	C24310C02 C24328C07
REGIP Mounting bracket	- Mounting with angle adjustment function	ABS	gray	C28057C02
AM-24 Mounting bracket	- Compatible with 15/16" ceiling grids	steel	silver	C24235N00
NEO-ZM-3 Fastener set	- 3 pieces for heavy fixtures	magnet	silver	C28105N00
Fastener set NEO-ZM-PLUS-3	- 3 pieces for heavy fixtures	magnet	silver	C28107N00
NEO-ZM-4 Fastener set	- 4 pieces for light fixtures	magnet	silver	C28106N00
Fastener set NEO-ZM-PLUS-4	- 4 pieces for heavy fixtures	magnet	silver	C28108N00
GIP-STN-90D Mounting bracket	- For indoor and outdoor applications	stainless steel	silver white black	C20002N00 C20002L10 C20002L07

RELATED ACCESSORIES > OTHER ACCESSORIES > FASTENERS AND HEADS FOR EXTRUSIONS

NAME	KEY FEATURES	MATERIAL	COLOR	REF.
BZP Head		stainless steel	silver	C28113N00
FI-8-LIN-ZM Fastener	- Installation in the ZM system	stainless steel, PA	silver white black	C28170N00 C28170L10 C28170L07
FI-10-ZM-P Fastener	- Cross mounting	stainless steel	silver	C28117N00
FI-10-ZM-W Fastener		stainless steel	silver	C28116N00
FI-8-PRET-ZM Fastener	- Installation in the ZM system	stainless steel aluminum aluminum	silver white black	C28189N00 C28189L10 C28189L07

RELATED ACCESSORIES > OTHER ACCESSORIES > CONDUCTIVE FASTENERS AND HEADS FOR EXTRUSIONS

NAME	KEY FEATURES	MATERIAL	COLOR	REF.
BZP-ZZ Head		stainless steel	gray	42215
FI-8-LIN-ZMZ Fastener	- Power supply - mounting in the ZM system	stainless steel, steel, PA, EPDM aluminum, PA, EPDM aluminum, PA, EPDM	silver white black	C28171N00 C28171L10 C28171L07
PUSZ-PRET-ZM Fastener , silver		stainless steel	silver	42250

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NAME	KEY FEATURES	MATERIAL	COLOR	REF.
PUSZ-LIN-MR Fastener	- Power supply cable - mounting in thin walls (from 1mm)	stainless steel, brass, nylon aluminum, brass, nylon aluminum, brass, nylon	silver white lacquered black lacquered	C28163N00 C28163L10 C28163L07
PUSZ-PRET-ZM Fastener	- Power supply cable - mounting in the ZM system	stainless steel, brass, nylon aluminum, brass, nylon aluminum, brass, nylon	silver white black	C28161N00 C28161L10 C28161L07
OS22-PRET-Z Fastener	- Power supply rod	PA, stainless steel	white black	C28186L10 C28186L07
OS22-DUO-PRET-Z Fastener	- Power supply cable, two poles	stainless steel, PA	white black	C28185L10 C28185L07
OS22-LIN-Z Fastener	- Power supply cable	stainless steel, PA	white black	C28184L10 C28184L07
OS22-DUO-LIN-Z Fastener	- Power supply cable, two poles	stainless steel, PA	white black	C28183L10 C28183L07

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 > OTHER ACCESSORIES > ISOLATING BASES

NAME	MATERIAL	COLOR	REF.
FI-3 Isolating bases	nylon	white	42203
FI-5 Isolating bases	nylon	white	42204
FI-6 Isolating bases	nylon	white	C28109C00

RELATED ACCESSORIES > OTHER ACCESSORIES > SUSPENSION AND MOUNTING SETS

NAME	KEY FEATURES	MATERIAL	COLOR	REF.
RD-1 Fastener set	- Smooth cable adjustment, cable included	brass	silver glossy silver satin white lacquered black lacquered	C28231P00 C28231P01 C28231L10 C28231L07
RG-1 Fastener set	- Cable adjustment at the ceiling, cable included	brass	silver glossy black colored	C28230P00 C28230L07

RELATED ACCESSORIES > OTHER ACCESSORIES > LATCHES

NAME	MATERIAL	COLOR	REF.
TEKNIK Latch	PP	white	C24003C10

RELATED ACCESSORIES > OTHER ACCESSORIES > SURFACE SPRINGS

NAME	MATERIAL	COLOR	REF.
GP Spring	stainless steel	silver	C24500N00

RELATED ACCESSORIES > OTHER ACCESSORIES > SECURITY AND BLOCKS

NAME	KEY FEATURES	MATERIAL	COLOR	REF.
Block ZM, gray	- Accessory locking in the ZM system	silicon	gray	C28194N00

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KLUŚ Inspiring Solutions

LED TAPES - TECHNICAL REFERENCE

COLOR TEMPERATURE SELECTION

Color temperature is expressed in Kelvin (K). The higher the value, the colder the light appears - from warm candle light (2000K) to daylight (6500K).

TEMPERATURE	CHARACTER	TYPICAL USE	RANGE
2700K	Intimate, warm, relaxing	Bedrooms, living rooms	Warm
3000K	Mild, friendly, cozy	Relaxation zones	Warm
3500K	Inviting, dynamic	Hallways, mixed interiors	Neutral
4000K	Clean, neutral	Offices, kitchens	Neutral
5000K	Bright, stimulating	Task / work areas	Cold
6500K	Cool, daylight-like	Industrial, warehouses	Cold

Legend: WARM - relaxation / ambient, NEUTRAL - general purpose, COLD - task / industrial

PROTECTION & MOUNTING

VARIANT	DESCRIPTION
WP Gel Strip	LEDs coated with gel for moisture protection
WP Sleeve Strip	IP65 silicone sleeve, mounted with double-sided tape
8K Sleeve Strip	Tool-free flange mounting directly into the extrusion
14K Sleeve Strip	Tool-free flange mounting directly into the extrusion

Legend: reinforced tape used in humid, dusty or outdoor installations

CRI - COLOR RENDERING INDEX

CRI measures how accurately a light source reproduces color, tested against 15 samples (R1-R15). General CRI (Ra) uses only R1-R8 and excludes red (R9); KLUŚ calculates CRI from the full extended range.

METRIC	GUARANTEED VALUE	BASIS OF CALCULATION
Standard CRI	> 90	Extended range R1-R15
Enhanced CRI	> 95	Extended range R1-R15

Legend: R9 - red reproduction, not included in standard Ra rating · R12 - strong blue

FUNCTIONALITY

Tunable White - adjustable color temperature, range 2200K-5000K

Dim to Warm - shifts to warmer tone, 3000K-1800K, while dimming

WP Strips - 5K/8K series install without adhesives, tapes or silicones

Higher Density - seamless line of light, no visible LED points in shallow extrusions

Short Cut Sections - precise strip-length matching to the extrusion

Side Emitting - light directed sideways from the strip

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
KWP-HEHD-0480-24 LED tape	- High Efficacy	65	1.5 W/ft	KWP-HEHD22-0480-24 KWP-HEHD25-0480-24 KWP-HEHD27-0480-24 KWP-HEHD30-0480-24 KWP-HEHD35-0480-24 KWP-HEHD40-0480-24 KWP-HEHD50-0480-24
KWP-HEHD-0960-24 LED tape	- CRI over 95 - High Efficacy	65	2.9 W/ft	KWP-HEHD22-0960-24 KWP-HEHD25-0960-24 KWP-HEHD27-0960-24 KWP-HEHD30-0960-24 KWP-HEHD35-0960-24 KWP-HEHD40-0960-24 KWP-HEHD50-0960-24
KWP-HEHD-1440-24 LED tape	- CRI over 95 - High Efficacy	65	4.4 W/ft	KWP-HEHD22-1440-24 KWP-HEHD25-1440-24 KWP-HEHD27-1440-24 KWP-HEHD30-1440-24 KWP-HEHD35-1440-24 KWP-HEHD40-1440-24 KWP-HEHD50-1440-24

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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-CRHD-1820-24 LED tape	- CRI over 95 - high LED density	20	5.6 W/ft	K-CRHD27-1820-24
KWP-CRHD-1910-24 LED tape	- CRI over 95 - high LED density	65	2.8 W/ft	KWP-CRHD27-1910-24 KWP-CRHD35-1910-24
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
KWP-HEHD-1440-24-40C LED tape	- High Efficacy - cold weather -40F	65	4.4 W/ft	KWP-HEHD22-1440-24-40C KWP-HEHD25-1440-24-40C KWP-HEHD27-1440-24-40C KWP-HEHD30-1440-24-40C KWP-HEHD35-1440-24-40C KWP-HEHD40-1440-24-40C KWP-HEHD50-1440-24-40C

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-0530-24 LED tape		65	1.6 W/ft	WP-K-22-0530-HD-IP65-24V WP-K-25-0530-HD-IP65-24V WP-K-27-0530-HD-IP65-24V WP-K-30-0530-HD-IP65-24V WP-K-35-0530-HD-IP65-24V WP-K-40-0530-HD-IP65-24V WP-K-50-0530-HD-IP65-24V
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
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

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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-30/18-1770-010-24 LED tape		65	3.5 W/ft	KWP-30/18-1770-010-24
KWP-30/18-1770-24 LED tape		65	3.5 W/ft	KWP-30/18-1770-24
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.
Proximity switch UNI	- touchless switch - width only 7mm	20	E61579