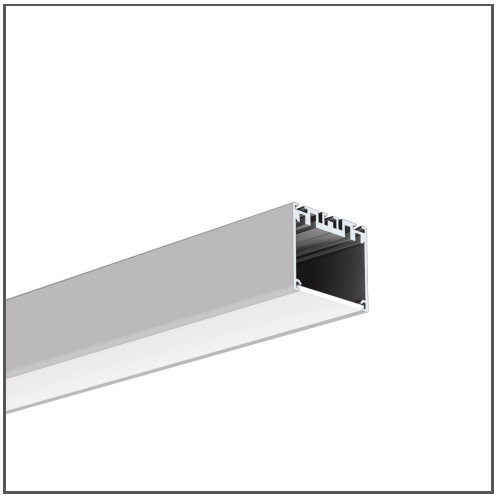
# Profile 4050-O

## Ref. A01309



### KEY FEATURES

- Smooth profile walls
- Wide range of accessories
- Possibility to use current modules with efficiency up to 190lm/W and CRI>90. Available upon request.

### APPLICATION

main and decorative lighting

### MOUNTING

to the surface or suspended, using dedicated accessories

### ADDITIONAL INFORMATION

- both LED strips and LED current modules can be used
- when choosing a different length of profiles / covers than available in the standard, you should additionally choose the cutting service at KLUŚ

Standard lengths of KLUŚ profiles and covers: 1000 mm (tolerance ± 1.5 mm) and 2005 mm / 3010 mm (tolerance + 5 mm); for selected covers: 6050 mm, 10050 mm (tolerance + 5 mm)

### IP PROTECTION RATING

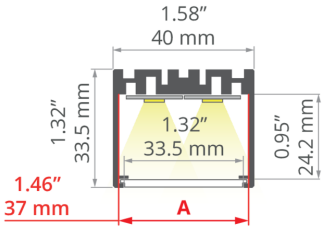
IP20

### MOUNTING METHOD

Suspended

### TECHNICAL DRAWING

1:2




### RELATED ACCESSORIES > COVERS

| NAME | KEY FEATURES | MATERIAL | MATERIAL TRANSMITTANCE | COLOR | REF. |
|---|---|---|---|---|---|
| Cover HSP-33 | - Ease of obtaining a line of light<br>- indoor use | PC | 63 % | frosted | B17057F |

### RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > CANOPIES

| NAME | KEY FEATURES | MATERIAL | COLOR | REF. |
|---|---|---|---|---|
| Canopy Fi-60mm | - Convenient cable length adjustment, in the ZM system | steel | gray lacquered<br>white lacquered<br>black lacquered | C24540L01<br>C24540L10<br>C24540L07 |
| Canopy BOX-M70 | | aluminum | silver anodized<br>white lacquered<br>black anodized | C24541A<br>C24541L10<br>C24541A07 |
| Canopy BOX-M600 | | aluminum | silver anodized<br>white lacquered<br>black anodized | C24542A<br>C24542L10<br>C24542A07 |

### RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > MOUNTING BRACKETS

| NAME | KEY FEATURES | MATERIAL | COLOR | REF. |
|---|---|---|---|---|
| Fastener set NEO-ZM-PLUS-3 | - 3 pieces for heavy fixtures | magnet | silver | C28107N00 |
| Fastener set NEO-ZM-PLUS-4 | - 4 pieces for heavy fixtures | magnet | silver | C28108N00 |

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### RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > FASTENERS AND HEADS FOR PROFILES

| NAME | KEY FEATURES | MATERIAL | COLOR | REF. |
|---|---|---|---|---|
| Fastener FI-10-ZM-P, silver | - Cross mounting | stainless steel | silver | C28117N00 |
| Fastener UCHO-ZM | - Convenient mounting in the ZM system | aluminum | black anodized | C28192L07 |

### RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > CONDUCTIVE FASTENERS AND HEADS FOR PROFILES

| NAME | KEY FEATURES | MATERIAL | COLOR | REF. |
|---|---|---|---|---|
| Fastener FI-8-LIN-ZMZ | - Power supply - mounting in the ZM system | stainless steel, steel, PA, EPDM<br>aluminum, PA, EPDM<br>aluminum, PA, EPDM | silver<br>white<br>black | C28171N00<br>C28171L10<br>C28171L07 |
| Fastener PUSZ-LIN-MR | - Power supply cable - mounting in thin walls (from 1mm) | stainless steel, brass, nylon<br>aluminum, brass, nylon<br>aluminum, brass, nylon | silver<br>white lacquered<br>black lacquered | C28163N00<br>C28163L10<br>C28163L07 |
| Fastener PUSZ-LIN-ZM | - Power supply cable - mounting in the ZM system | stainless steel, brass, nylon, aluminum<br>aluminum, brass, nylon<br>aluminum, brass, nylon | silver<br>white lacquered<br>black lacquered | C28160N00<br>C28160L10<br>C28160L07 |
| Fastener PUSZ-PRET-LEB | | stainless steel<br>aluminum, brass, nylon<br>aluminum, brass, nylon | silver<br>white lacquered<br>black lacquered | C28165N00<br>C28165L10<br>C28165L07 |
| Fastener PUSZ-PRET-ZM | - Power supply cable - mounting in the ZM system | stainless steel, brass, nylon<br>aluminum, brass, nylon<br>aluminum, brass, nylon | silver<br>white<br>black | C28161N00<br>C28161L10<br>C28161L07 |
| Head BZP-ZO | | stainless steel | silver | 42214 |
| Fastener DP-ZZ, silver | | stainless steel | silver | 00651 |
| Fastener PUSZ-ZM | - Power supply - mounting in the ZM system | stainless steel<br>aluminum<br>aluminum | silver<br>white lacquered<br>black lacquered | C20010N00<br>C20010L10<br>C20010L07 |

### RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > CONNECTORS

| NAME | KEY FEATURES | MATERIAL | COLOR | REF. |
|---|---|---|---|---|
| Connector ZM-PION-120 silver | - for connecting profiles in the vertical plane | stainless steel | silver | 42320 |
| Connector ZM-PION-135 silver | - for connecting profiles in the vertical plane | stainless steel | silver | 42719 |
| Connector ZM-PION-45 silver | - for connecting profiles in the vertical plane | stainless steel | silver | 42314 |
| Connector ZM-PION-90 silver | - for connecting profiles in the vertical plane | stainless steel | silver | 42718 |
| Connector ZM | | stainless steel | silver | 42716<br>42720<br>42728<br>C28070N00<br>C28071N00<br>C28072N00<br>C28073N00<br>C28074N00<br>C28075N00<br>C28243N00 |
| Connector ZM-G | | stainless steel | silver | 42304<br>42306<br>42308<br>42310<br>42324<br>42326<br>42328<br>42330<br>42332<br>42334<br>42336<br>42338 |

### RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > SUSPENSION AND MOUNTING SETS

| NAME | KEY FEATURES | MATERIAL | COLOR | REF. |
|---|---|---|---|---|
| Fastener set RD-1 | - Smooth cable adjustment, cable included | brass | silver glossy<br>silver satin<br>white lacquered<br>black lacquered | C28231P00<br>C28231P01<br>C28231L10<br>C28231L07 |
| Fastener set RD-2 | - Smooth cable adjustment, angled mounting, cable included | brass | silver glossy<br>silver satin<br>white lacquered<br>black lacquered | C28232P00<br>C28232P01<br>C28232L10<br>C28232L07 |
| Fastener set RD-4 | - Smooth cable adjustment, angled mounting | brass | silver glossy<br>silver satin<br>white lacquered<br>black lacquered | C28234P00<br>C28234P01<br>C28234L10<br>C28234L07 |
| Fastener set RD-3 | - Smooth cable adjustment | brass | silver glossy<br>silver satin<br>white lacquered<br>black lacquered | C28233P00<br>C28233P01<br>C28233L10<br>C28233L07 |
| Fastener set RG-1 | - Cable adjustment at the ceiling, cable included | brass | silver glossy<br>silver satin<br>white colored<br>black colored | C28230P00<br>C28230P01<br>C28230L10<br>C28230L07 |
| Fastener set FI-8-ZM-1 | - Power supply, for wall and drywall, in the ZM system | stainless steel, aluminum | silver<br>white lacquered<br>black lacquered | C28134N00<br>C28134L10<br>C28134L07 |

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| NAME | KEY FEATURES | MATERIAL | COLOR | REF. |
|---|---|---|---|---|
| Fastener set FI-8-ZM-2 | - Convenient cable length adjustment, in the ZM system | stainless steel, aluminum | silver<br>white lacquered<br>black lacquered | C28135N00<br>C28135L10<br>C28135L07 |
| Fastener set PUSZ-ZM-1 | - Power supply, for wall and drywall, in the ZM system | stainless steel, aluminum | silver<br>white lacquered<br>black lacquered | C28130N00<br>C28130L10<br>C28130L07 |
| Fastener set PUSZ-ZM-2 | - Convenient cable length adjustment, in the ZM system | stainless steel, aluminum | silver<br>white lacquered<br>black lacquered | C28131N00<br>C28131L10<br>C28131L07 |

### RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > LATCHES

| NAME | KEY FEATURES | MATERIAL | COLOR | REF. |
|---|---|---|---|---|
| Adapters set ZM-16 | - Connection of the ZM system with the 45-STN mount | PC | transparent | C29001C00 |

### RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > SURFACE SPRINGS

| NAME | MATERIAL | COLOR | REF. |
|---|---|---|---|
| Spring GP | stainless steel | silver | C24500N00 |

### RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > SECURITY AND BLOCKS

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

### RELATED ACCESSORIES > RELATED LED > HIGH EFFICACY

| NAME | KEY FEATURES | IP PROTECTION RATING | POWER CONSUMPTION | REF. |
|---|---|---|---|---|
| LED tape K-VHE-0480-24 | - universal for basic applications<br>- high efficacy<br>- High Efficacy | 20 | 4.8 W/m | K-VHE27-0480-24<br>K-VHE30-0480-24<br>K-VHE40-0480-24 |
| LED tape K-VHE-0960-24 | - universal for basic applications<br>- high efficacy<br>- High Efficacy | 20 | 9.6 W/m | K-VHE40-0960-24 |
| LED tape K-VHE-1440-24 | - universal for basic applications<br>- high efficacy<br>- High Efficacy | 20 | 14.4 W/m | K-VHE27-1440-24<br>K-VHE30-1440-24<br>K-VHE40-1440-24<br>K-VHE50-1440-24 |

### RELATED ACCESSORIES > RELATED LED > WHITE MONO

| NAME | KEY FEATURES | IP PROTECTION RATING | POWER CONSUMPTION | REF. |
|---|---|---|---|---|
| LED tape K-0360-24 3.6 W/m, IP20 NEW | | 20 | 3.6 W/m | K-27-0360-24<br>K-30-0360-24<br>K-35-0360-24<br>K-40-0360-24<br>K-50-0360-24 |
| LED tape K-HD-0430-24 4.3 W/m, IP20 NEW | | 20 | 4.3 W/m | K-HD18-0430-24<br>K-HD22-0430-24<br>K-HD27-0430-24<br>K-HD30-0430-24<br>K-HD35-0430-24<br>K-HD40-0430-24<br>K-HD50-0430-24 |
| LED tape K-0480-24 | - universal for basic applications | 20 | 4.8 W/m | K-27-0480-24<br>K-30-0480-24<br>K-35-0480-24<br>K-50-0480-24 |
| LED tape K-HD-0480-24 | - high LED density<br>- Ease of obtaining a line of light | 20 | 4.8 W/m | K-HD27-0480-24<br>K-HD40-0480-24 |
| LED tape K-0500-24 5 W/m, IP20 NEW | - Thin line of light<br>- longitudinal bending<br>- Flexibility for bending | 20 | 5 W/m | K-30-0500-24<br>K-40-0500-24 |
| LED tape K-0720-24 7.2 W/m, IP20 NEW | | 20 | 7.2 W/m | K-27-0720-24<br>K-30-0720-24<br>K-35-0720-24<br>K-40-0720-24<br>K-50-0720-24 |
| LED tape K-HD-0830-24 8.3 W/m, IP20 NEW | | 20 | 8.3 W/m | K-HD27-0830-24<br>K-HD30-0830-24<br>K-HD35-0830-24<br>K-HD40-0830-24<br>K-HD50-0830-24 |
| LED tape K-0960-24 | - universal for basic applications | 20 | 9.6 W/m | K-30-0960-24<br>K-40-0960-24<br>K-40-0960-24-R30 |
| LED tape K-HD-0960-24 | - high LED density<br>- Ease of obtaining a line of light | 20 | 9.6 W/m | K-HD40-0960-24 |
| LED tape K-1000-24 10 W/m, IP20 NEW | | 20 | 10 W/m | K-30-1000-24<br>K-40-1000-24 |
| LED tape K-CB-1000-24 10 W/m, IP20 NEW | | 20 | 10 W/m | K-CB27-1000-24<br>K-CB30-1000-24<br>K-CB40-1000-24<br>K-CB50-1000-24 |

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| NAME | KEY FEATURES | IP PROTECTION RATING | POWER CONSUMPTION | REF. |
|---|---|---|---|---|
| LED tape K-1080-24 10.8 W/m, IP20 NEW | | 20 | 10.8 W/m | K-27-1080-24<br>K-30-1080-24<br>K-35-1080-24<br>K-40-1080-24<br>K-50-1080-24 |
| LED tape K-HD-1260-24 12.6 W/m, IP20 NEW | | 20 | 12.6 W/m | K-HD27-1260-24<br>K-HD30-1260-24<br>K-HD35-1260-24<br>K-HD40-1260-24<br>K-HD50-1260-24 |
| LED tape K-1440-24 | - universal for basic applications | 20 | 14.4 W/m | K-27-1440-24<br>K-40-1440-24<br>K-40-1440-24-R30 |
| LED tape K-HD-1440-24 | - high LED density<br>- Ease of obtaining a line of light | 20 | 14.4 W/m | K-HD40-1440-24 |
| LED tape K2-1440-24 14.4 W/m, IP20 NEW | | 20 | 14.4 W/m | K2-27-1440-24<br>K2-30-1440-24<br>K2-35-1440-24<br>K2-40-1440-24<br>K2-50-1440-24 |
| LED tape K-1500-24 15 W/m, IP20 NEW | | 20 | 15 W/m | K-30-1500-24<br>K-35-1500-24<br>K-40-1500-24 |
| LED tape K2-1920-24 | - LED double-row strip<br>- quick installation | 20 | 19.2 W/m | K2-30-1920-24<br>K2-40-1920-24 |
| LED tape K3-2160-24 21.6 W/m, IP20 NEW ON ORDER | - Three-row LED strip<br>- quick installation | 20 | 21.6 W/m | K3-35-2160-24 |
| LED tape K-2300-24 | - high power | 20 | 23 W/m | K-30-2300-24<br>K-40-2300-24 |
| LED tape K-2400-24 | - high power | 20 | 24 W/m | K-27-2400-24<br>K-30-2400-24<br>K-35-2400-24<br>K-40-2400-24<br>K-50-2400-24 |
| LED tape K3-2880-24 | - Three-row LED strip<br>- quick installation | 20 | 28.8 W/m | K3-27-2880-24<br>K3-40-2880-24<br>K3-50-2880-24 |

### RELATED ACCESSORIES > RELATED LED > RGB / RGB-W / RGB-CCT

| NAME | KEY FEATURES | IP PROTECTION RATING | POWER CONSUMPTION | REF. |
|---|---|---|---|---|
| LED tape K-RGB-0700-24V | - RGB | 20 | 7 W/m | K-RGB-0700-24V |
| LED tape K-RGB-1200-24 | - RGB | 20 | 12 W/m | K-RGB-1200-24 |
| LED tape K-RGBW-1530-24 15.3 W/m, IP20 NEW | - RGBW<br>- high LED density | 20 | 15.3 W/m | K-RGB30-1530-24<br>K-RGB40-1530-24 |

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

| NAME | KEY FEATURES | IP PROTECTION RATING | POWER CONSUMPTION | REF. |
|---|---|---|---|---|
| LED tape K-18D30-0960-24 | - Dim To Warm LED Tape | 20 | 9.6 W/m | K-18D30-0960-24 |
| LED tape K-27T50-1440-24 | - RGB+Tunable White | 20 | 14.4 W/m | K-27T50-1440-24 |

### RELATED ACCESSORIES > ELECTRONICS > SWITCHES

| NAME | KEY FEATURES | IP PROTECTION RATING | REF. |
|---|---|---|---|
| Proximity switch UNI-11 | - touchless switch<br>- width 11mm | 20 | E61603 |
| Proximity switch UNI-P | - touchless switch<br>- width only 7mm<br>- factory pre-soldered wires | 20 | E61580 |
| Proximity switch UNI | - touchless switch<br>- width only 7mm | 20 | E61579 |
| Proximity switch UNI-11P | - touchless switch<br>- width 11mm<br>- factory pre-soldered wires | 20 | E61604 |