

1**Step 1 | the profile 45 | recessed into plasterboard****Step 2: light inserts** are shown starting from **page 268**.**Step 3: optional accessories** are shown starting from **page 272**.

Note $L = (\text{length of trimless mounting frame} + 6 \text{ mm}) \times 70 \text{ mm}$

recessed trimless into plasterboard

- for recess flush with ceiling into plasterboard with shadow gap
 - trimless mounting frame made from aluminium with height adjustment and plaster edge, easy mounting with drywall screws
 - quick-mounting of recessed profile in trimless mounting frame with turning bolts
 - recessed profile inclusive acrylic diffuser opal white
 - acrylic profile with snap-in technique made from UV- and heat-resistant PMMA
 - light inserts, trimless mounting frame, earthing set, mechanical connectors and end covers to be ordered separately
 - colour: silver anodised, white, black
- mitre for surfaces, mitre for wall/ceiling inside, mitre for corners outside, mitre for corners inside possible
 - Apply cutting costs for mitre!

Recessed trimless into plasterboard	Measurements
width of channel	45 mm
width of channel, mounting frame included	68 mm
width of mounting frame + screwing angle	128 mm
height of channel	91 mm
width of ceiling cut-out $\sqrt{\frac{3}{8}}$	70 mm
ceiling thickness	12.5 - 28 mm
installation depth ET/mounting depth	98 mm
thickness of end covers	3.0 mm

Profile 45 trimless made-to-measure**Order No.**

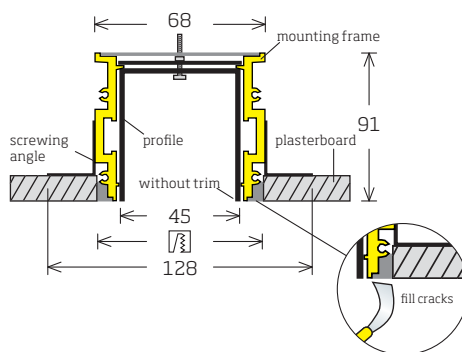
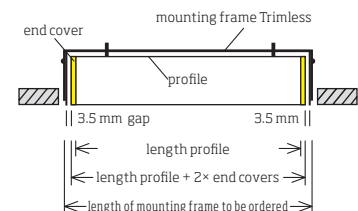
profile with acrylic diffuser opal white

LKM 003 AG/...

calculate the length of mounting frame to be ordered (see figure below):

... length of recessed profile + 2 × 3.0 mm thickness of end covers + 2 × 3.5 mm gap = ... **length of recessed profile + 13 mm****Required accessories****Order No.**

- trimless mounting frame **LKM 003 TRI/...**
- end covers (2 pieces) silver, white, black **LKM 090.101.1**
- earthing set **LKM 090.111**
- longitudinal connectors (2 pieces) (> 3m) **LKM 090.102**

**length of mounting frame to be ordered****required installation space + 20 mm**

2

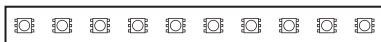
Step 2 | **light inserts 45** | LED

Lichtkanal 45

LED light inserts

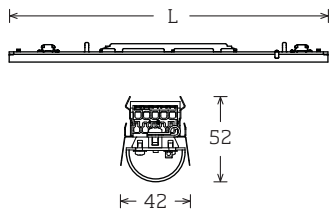


- light insert made from metal with integrated LED modules
- diffuser made from PMMA for consistent light distribution
- energy saving, no UV and thermal emissions
- almost all strip light lengths can be realised
- tool-free snap-in installation into Lichtkanal profile
- through-wiring included
- two 5-pole terminal blocks
- ballast integral

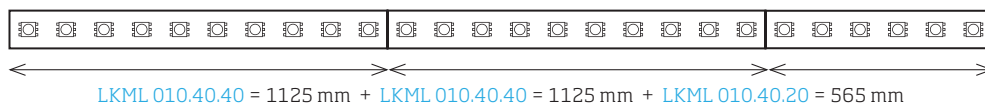


Notes for planning:

The number of light inserts adds up to the profile length. Light inserts with different light colours should **not be mixed**.

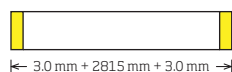







Planning example



! Determine length of profiles: 1125 mm + 1125 mm + 565 mm = **2815 mm**
Calculate final dimension: **2815 mm** + 2 × 3.0 mm end covers* = **2821 mm**

* consider end cover thickness of selected profile!



	LM	System power	Lumen	 K	Light colour	Length L	Through-wiring	Order No.
	LED	18 W	1500 lm	3000 K	warm-white	565	3-pole	LKML 010.30.20
			1600 lm	4000 K	natural-white	565	5-pole	LKML 010.30.20/DALI
							3-pole	LKML 010.40.20
							5-pole	LKML 010.40.20/DALI
	LED	23 W	1900 lm	3000 K	warm-white	705	3-pole	LKML 010.30.25
			2000 lm	4000 K	natural-white	705	5-pole	LKML 010.30.25/DALI
							3-pole	LKML 010.40.25
							5-pole	LKML 010.40.25/DALI
	LED	27 W	2200 lm	3000 K	warm-white	845	3-pole	LKML 010.30.30
			2300 lm	4000 K	natural-white	845	5-pole	LKML 010.30.30/DALI
							3-pole	LKML 010.40.30
							5-pole	LKML 010.40.30/DALI
	LED	32 W	2700 lm	3000 K	warm-white	985	3-pole	LKML 010.30.35
			2800 lm	4000 K	natural-white	985	5-pole	LKML 010.30.35/DALI
							3-pole	LKML 010.40.35
							5-pole	LKML 010.40.35/DALI
	LED	36 W	3000 lm	3000 K	warm-white	1125	3-pole	LKML 010.30.40
			3100 lm	4000 K	natural-white	1125	5-pole	LKML 010.30.40/DALI
							3-pole	LKML 010.40.40
							5-pole	LKML 010.40.40/DALI
	LED	44 W	3800 lm	3000 K	warm-white	1405	3-pole	LKML 010.30.50
			3900 lm	4000 K	natural-white	1405	5-pole	LKML 010.30.50/DALI
							3-pole	LKML 010.40.50
							5-pole	LKML 010.40.50/DALI