

**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.**

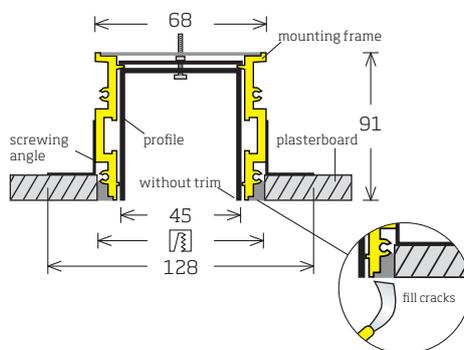
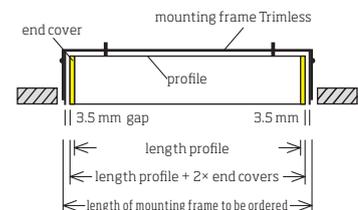
profile with acrylic diffuser opal white

**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

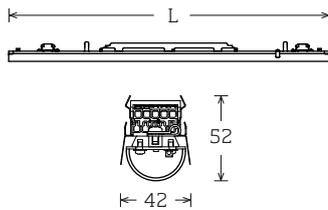


- light insert made from metal with integrated LED modules
- diffuser made from PMMA for consistent light distribution
- energy saving, no UV and thermal emissions
- almost all strip light lengths can be realised
- tool-free snap-in installation into Lichtkanal profile
- through-wiring included
- two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

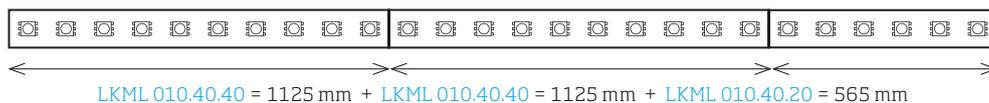


**Notes for planning:**

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	<b>18 W</b>	1500 lm	3000 K	warm-white	<b>565</b>	3-pole	<a href="#">LKML 010.30.20</a>
			1600 lm	4000 K	natural-white	<b>565</b>	5-pole	<a href="#">LKML 010.30.20/DALI</a>
							3-pole	<a href="#">LKML 010.40.20</a>
							5-pole	<a href="#">LKML 010.40.20/DALI</a>
	LED	<b>23 W</b>	1900 lm	3000 K	warm-white	<b>705</b>	3-pole	<a href="#">LKML 010.30.25</a>
			2000 lm	4000 K	natural-white	<b>705</b>	5-pole	<a href="#">LKML 010.30.25/DALI</a>
							3-pole	<a href="#">LKML 010.40.25</a>
							5-pole	<a href="#">LKML 010.40.25/DALI</a>
	LED	<b>27 W</b>	2200 lm	3000 K	warm-white	<b>845</b>	3-pole	<a href="#">LKML 010.30.30</a>
			2300 lm	4000 K	natural-white	<b>845</b>	5-pole	<a href="#">LKML 010.30.30/DALI</a>
							3-pole	<a href="#">LKML 010.40.30</a>
							5-pole	<a href="#">LKML 010.40.30/DALI</a>
	LED	<b>32 W</b>	2700 lm	3000 K	warm-white	<b>985</b>	3-pole	<a href="#">LKML 010.30.35</a>
			2800 lm	4000 K	natural-white	<b>985</b>	5-pole	<a href="#">LKML 010.30.35/DALI</a>
							3-pole	<a href="#">LKML 010.40.35</a>
							5-pole	<a href="#">LKML 010.40.35/DALI</a>
	LED	<b>36 W</b>	3000 lm	3000 K	warm-white	<b>1125</b>	3-pole	<a href="#">LKML 010.30.40</a>
			3100 lm	4000 K	natural-white	<b>1125</b>	5-pole	<a href="#">LKML 010.30.40/DALI</a>
							3-pole	<a href="#">LKML 010.40.40</a>
							5-pole	<a href="#">LKML 010.40.40/DALI</a>
	LED	<b>44 W</b>	3800 lm	3000 K	warm-white	<b>1405</b>	3-pole	<a href="#">LKML 010.30.50</a>
			3900 lm	4000 K	natural-white	<b>1405</b>	5-pole	<a href="#">LKML 010.30.50/DALI</a>
							3-pole	<a href="#">LKML 010.40.50</a>
							5-pole	<a href="#">LKML 010.40.50/DALI</a>