

## Meisterkeder LFF20

The Meisterkeder LFF20 is an LED-illuminated tension fabric frame designed to create large homogeneously illuminated surfaces by backlighting white or printed tension fabric provided with a rubber (keder) edging. The frame is suitable for all indoor applications.

The product combines PMMA acrylic glass, PVC rigid foam boards and LED strips with an aluminium frame.

General data		
Type of connection	Parallel connection	
Operating voltage	12 V / 24 V	
Degree of protection	IP40	
Protection class	III	
Ambient temperature range	+5 °C to +50 °C	
Residual luminous flux	70% after 50,000 operating hours	
Conformity	CE, RoHS	
Minimum dimensions	200 x 200 mm	
Maximum width	3,050 mm	
Maximum height	1,500 mm (between the LEDs)	
Maximum format	2 m² (width x height)	
Overall depth (thickness)	20 mm	
Weight	8 kg/m <sup>2</sup>	
Material properties – PVC (rear panel):		
Linear thermal expansion	0.085 mm/(m*K) (DIN 11359-2)	
Reaction to fire	Building material class B1 (DIN 4102)	

Reaction to fire	Building material class BT (DIN 4102)	
Material properties – PMMA (light-transmitting panel):		
Manufacturing process	Casting	

Linear thermal expansion	0.07 mm/(m*K) (DIN 53752-A)
Reaction to fire	Building material class B2 (DIN 4102)
Flammability	HB (UL 94)

Material properties – extruded aluminium profile:		
Linear thermal expansion	0.0235 mm/(m*K) (DIN 53752-A)	
Reaction to fire	Building material class A1 (DIN 4102)	

frame illuminated from two sides with opposite white LED strips 500 mm

1,000 lm/m

12 V DC

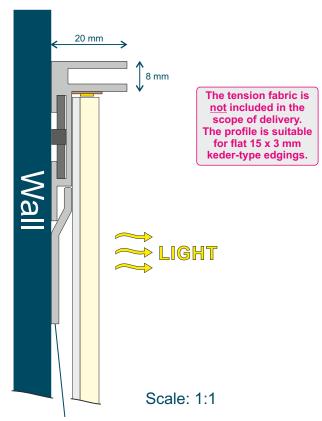
16 W/m

750 mm

1,200 lm/m

12 V DC

20 W/m



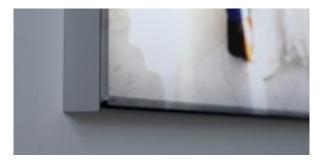
Mounting profile included as loose item

1,500 mm

2,000 lm/m

24 V DC

<u>30 W/m</u>





## **Electrical connection:** Power supply unit with stabilized Circuit board with three seriesconnected LEDs output voltage 230 Power supply 12 volts volts

Hansen GmbH

1,000 mm

1,450 lm/m

12 V DC

24 W/m

Constant brightness over the entire surface: 800-1,000 cd/m<sup>2</sup>

All values refer to an ambient temperature of +25°C.

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Technical data -

Illuminated height

Operating voltage

Wattage per metre

Luminance

Luminous flux per metre

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1,250 mm

1,700 lm/m

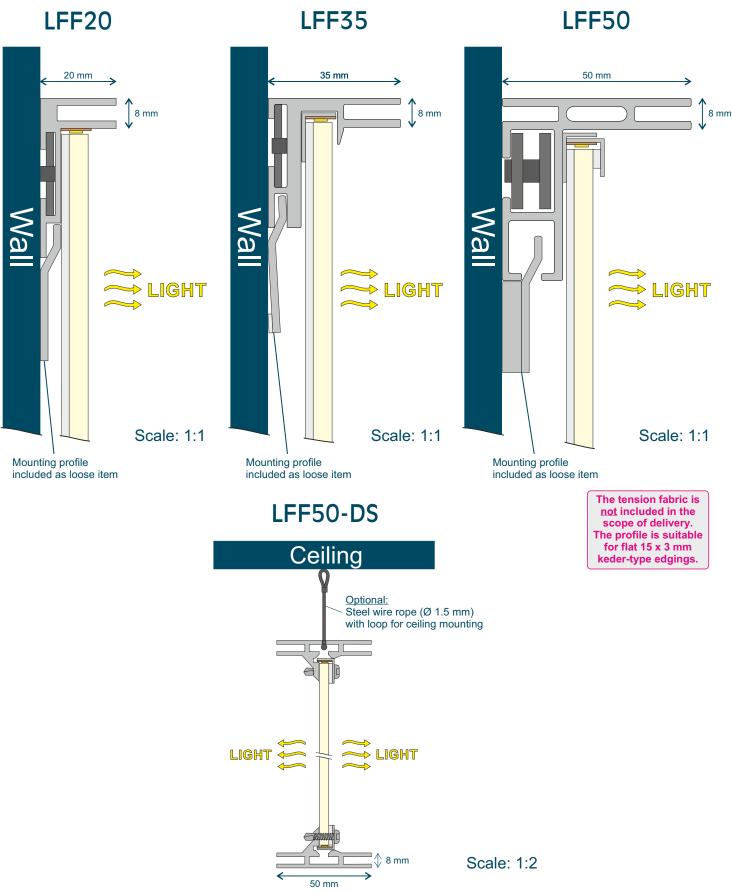
12 V DC

28 W/m

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## The Meisterkeder product family



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