LED surface-mounted luminaire

ML FLAT

The compact LED surface-mounted luminaire for the harshest industrial conditions



COLOUR RENDERING
CRI > 80

LIGHT COLOUR
5,700 K

ILLUMINANCE
over 4,000 lx
at 50 cm

SERVICE LIFE
40,000 h

Length 265 mm
900 lm · 1,000 lx · 7 W



ML FLAT
ITEM NO. MLF7.01

Length 350 mm
1,870 lm · 2,100 lx · 14 W



ML FLAT
ITEM NO. MLF14.01

Length 640 mm
3,740 lm · 3,800 lx · 28 W



ML FLAT
ITEM NO. MLF28.01

Length 930 mm
5,610 lm · > 4,000 lx · 42 W



ML FLAT
ITEM NO. MLF42.01

Technical data

Values per length. Values shaded grey apply to every version, otherwise they depend on the version.

	LENGTH 265 mm 7 W	LENGTH 350 mm 14 W	LENGTH 640 mm 28 W	LENGTH 930 mm 42 W
Item no. per version				
Item no.	MLF7.01	MLF14.01	MLF28.01	MLF42.01
Light				
Luminous flux	900 lm	1,870 lm	3,740 lm	5,610 lm
Illuminance (50 cm)	1,000 lx	2,100 lx	3,800 lx	> 4,000 lx
Illuminance (100 cm)	-	600 lx	1,200 lx	1,680 lx
Colour temperature	daylight white (5700 Kelvin)			
Colour rendering	CRI > 80 (typ. 83)			
Power	7 W	14 W	28 W	42 W
Design & material				
Dimensions (L × W × H)	265 × 55 × 43 mm	350 × 55 × 43 mm	640 × 55 × 43 mm	930 × 55 × 43 mm
Weight	0.65 kg	0.90 kg	1.8 kg	2.4 kg
Housing material	anodised aluminium profile, die-cast end pieces			
LED cover	Glare control via integrated micro-prism diffuser / transparent borosilicate glass			
Technology				
Supply voltage	24 V DC (+/- 4 V)			
Service life	40,000 h (L70)			
Protection class	IP 67			
Beam angle	120°			
Temperature range	0 °C to +40 °C			
Safety class	III			
LED modules	linear LED modules with mid-power LEDs			
Control gear	integrated LED driver, constant current			
Operation, connection & mounting				
Switch	without switch			
Connection	M12 plug connection (5-pin, A-coded) / connecting cable and external power supplies on request			
Mountings	Metal bracket with swivel function ± 20° / optionally with magnetic mounting			

Highlights

ILLUMINANCE

over 4,000 lx

at a distance of 50 cm

High illuminance that is easy on the eyes.

LED SERVICE LIFE

40,000 h

Calculated 20 years at 8 hours on 250 working days per year.

Dust-tight and waterproof

Protection class IP 67, resistant to flying chips, vibration-proof and shock-proof.

Uniform area lighting

Light output along almost the entire length, 120° beam angle.

Resistant to oil and coolant

Borosilicate glass: oil and cooling lubricant do not burn in.

M12 connection

M12 plug connection (5-pin, A-coded) for 24 V DC; external power supplies on request.

Easy maintenance

The glass cover is screwed on, not glued, and can be replaced if broken.

Easy to mount

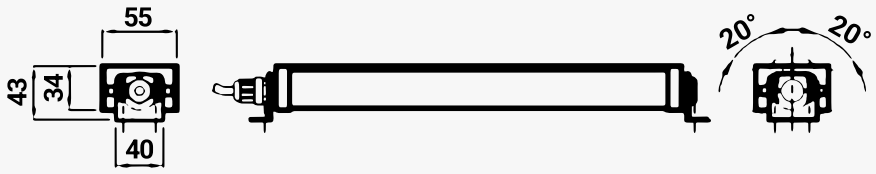
2 metal mounting brackets with lockable swivel function included; magnetic mounting optional.

INDUSTRIAL MACHINE LIGHTING

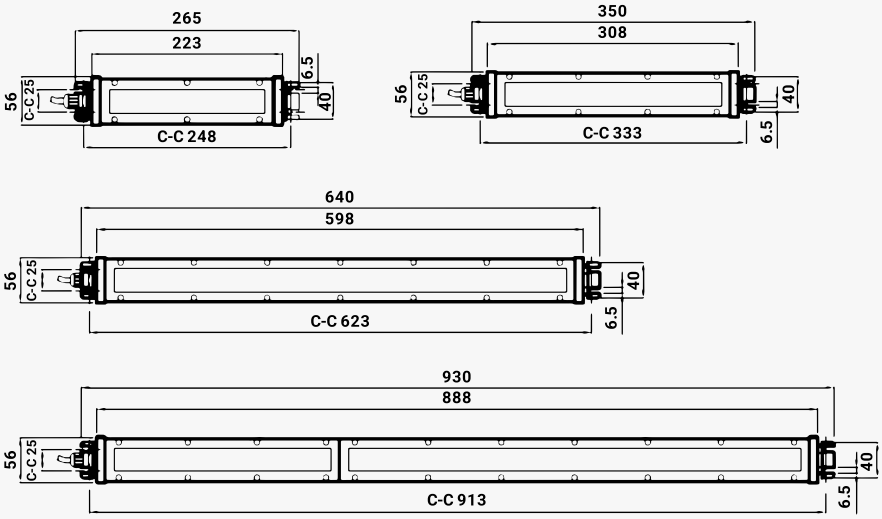
Dimensions

All dimensions in mm.

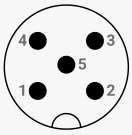
CROSS-SECTION · SIDE VIEW · SWIVEL RANGE



LENGTHS (FROM ABOVE)



M12 CONNECTION (PLUG VIEWED FROM THE FRONT)



M12, 5-pin, A-coded

1 = brown	24 V DC
2 = white	not assigned
3 = blue	0 V DC
4 = black	24 V DC
5 = grey	not assigned

LENGTH 265 MM · 7 W

LUMINAIRE (L × W × H): **265 × 55 × 43 mm**

WEIGHT: **0.65 kg**

LENGTH 350 MM · 14 W

LUMINAIRE (L × W × H): **350 × 55 × 43 mm**

WEIGHT: **0.90 kg**

LENGTH 640 MM · 28 W

LUMINAIRE (L × W × H): **640 × 55 × 43 mm**

WEIGHT: **1.8 kg**

LENGTH 930 MM · 42 W

LUMINAIRE (L × W × H): **930 × 55 × 43 mm**

WEIGHT: **2.4 kg**

Scope of delivery: 2 metal mounting brackets with lockable swivel function

INDUSTRIAL MACHINE LIGHTING

Contact

Questions about the surface-mounted luminaire ML FLAT?

We advise you personally, including lighting design for your workplace.

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OPENING HOURS
Mon - Fri 9:00 am - 6:00 pm (CET)

PRODUCT PAGE OPEN