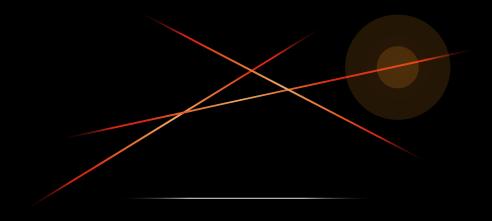


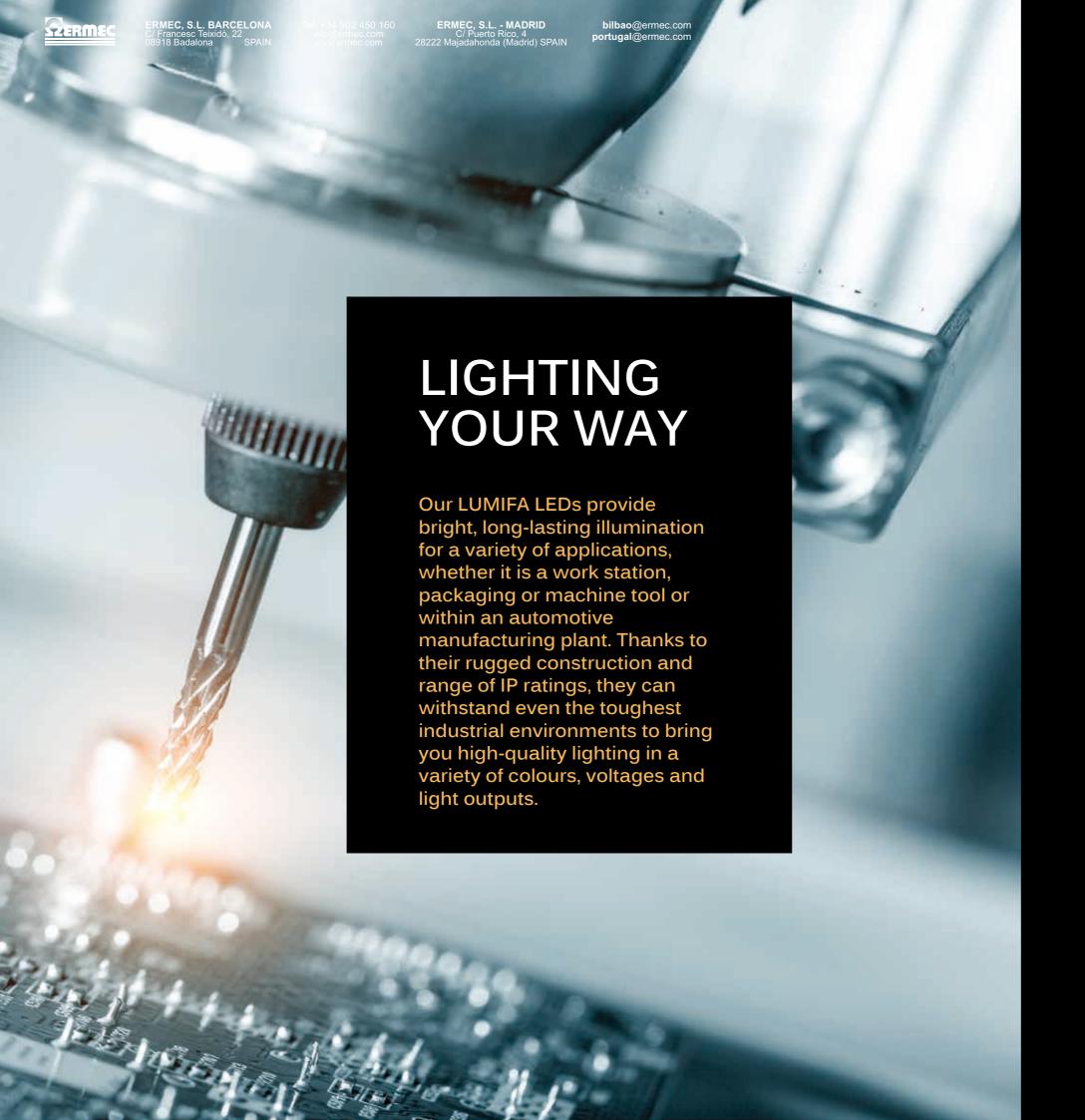
LUMIFA LED LIGHTING

LIGHTING YOUR WAY









Technical Features

QUALITY ILLUMINATION

With brightness levels up to 153 lumens/watts, our LEDs cast bright, uniform lighting onto target objects with minimal metal reflection, glare and shadows.

RUGGED

With their solid housing and IP ratings, our units can withstand exposure to dust, water, oil and metal shavings, making them suitable for harsh industrial environments and hazardous applications such as oil and gas, mining- and more.

LOW MAINTENANCE

Swapping out a light is quick and easy. Our LEDs offer plug-and-play connection options, including quick-connect and pigtail M12 connections, as well as prewired models with removable plug-in or spring-clamp terminals.

VERSATILE

Models are available in a variety of sizes, brightness levels, colours and connections, while optional adjustable or fixed-angle mounting brackets make installation fast and easy. With widths as narrow as 25 mm, they can be deployed in tight, hard-to-reach spaces.

LUMIFA LF1B-N



| INDUSTRIAL MACHINES | SEMICONDUCTOR EQUIPMENT | CONTROL PANELS |

LF1B-N Series

The LF1B-N series is available in six lengths, two covers (transparent or white) and six distinct colours—cool white, warm white, yellow, red, blue and green—making it a flexible lighting solution for control panels, industrial machines, manufacturing lines, work stations and more. These compact, energy-efficient units are low-maintenance and last for years, contributing to overall cost savings.

- Compact size:
 27.5 mm wide x 16 mm high
- Six lengths: 134, 210, 330, 830 and 1,080 mm
- · Vibration and shock-resistant
- Yellow light ideal for photosensitive materials
- IP65-rated for use in wet environments

OPTICAL SPECIFICATIONS



ILLUMINATION COLOUR		COOL WHITE		WARM WHITE		YELLOW		RED		GREEN		BLUE	
COVER		Clear	White	Clear	White	Clear	White	Clear	White	Clear	White	Clear	White
Colour Temperature/ Dominant Wavelength (typ.)		6500K 3000K		590nm		620nm		525nm		455nm			
Reference Brightness (typ.) at 0.5m, lx	LF1B-NA	95	85	90	80	20	18	20	18	30	27	10	9
	LF1B-NB	240	215	230	2100	40	36	40	36	60	55	20	18
	LF1B-NC	455	410	440	395	75	65	75	65	110	100	30	27
	LF1B-ND	840	750	815	725	125	110	125	110	190	170	50	45
	LF1B-NE	1100	995	1065	960	160	145	160	145	260	235	60	55
	LF1B-NF	1350	1210	1300	1170	180	160	180	160	300	270	80	70

LED modules and illumination units may vary in colour and brilliance. Luminous flux, colour temperature, and illuminance values shown are typical.

PART NUMBER STRUCTURE

(USE FOR INTERPRETING PART NUMBERS ONL)





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LUMIFA LF2B



| CONTROL PANELS | INDUSTRIAL EQUIPMENT | MANUFACTURING LINES & WORK STATIONS |

LF2B Series

The LF2B features a rugged, slim design for industrial applications and installations where space is limited. Its high luminence, snap-in mounting brackets, range of input voltages, DC-battery compatibility and IP65 rating make this series ideal for a wide variety of lighting applications, from control panels to industrial equipment in wet environments.

- Slim size: 40 mm wide x 29 mm high
- Five lengths: 210, 330, 580, 830 and 1,080 mm
- · Clear or white cover options
- 100-240V AC or 12/24V DC rated voltages
- Mounting brackets enable one-step installation process in tight spaces
- IP65-rated for use in wet environments

OPTICAL SPECIFICATIONS



LF2B-B LF2B-C LF2B-D LF2B-E LF2B-F MODEL (330 mm) (580 mm) (1,080 mm) (210 mm) (830 mm) COVER White White Clear White Clear White White Clear Clear Clear Illumination Colour Cool White 6500 Colour Temperature, K Luminous Flux (typ.), Im 235 215 465 425 935 860 1380 1270 1860 1710 Reference Illuminance (typ.) 290 265 540 500 1065 980 1385 1275 1520 1400

PART NUMBER STRUCTURE (USE FOR INTERPRETING PART NUMBERS ONLY)



LUMIFA LF1D & LF2D



| MACHINE TOOLS | FOOD & BEVERAGE PROCESSING EQUIPMENT | | PHARMACEUTICAL & CHEMICAL | AUTOMOTIVE |

LF1D & LF2D Series

Thanks to their rugged construction and high brightness levels up to 3,000 lumens, the LF1D and LF2D series are ideal for machine tools, food and beverage processing equipment and automotive, pharmaceutical and chemical applications. With their IP67, IP67F, IP67G and IP69K ratings, stainless-steel cover and diecast aluminum housing, they can even be used in the presence of high-pressure, high-temperature washdown.

MINI (LF1D-C)

- Compact size: 100 x 50 x 25 mm
- Single LED module design eliminates multiple shadow
- M12 connector option

SLIM & WIDE (LF1D/2D-EN, EH, FH)

- Durable polycarbonate or reinforced glass options
- M12 Quick Connect available
- · Surface or recessed mount options

LONG (LF1D-H/J)

- Two lengths: 365 and 510 mm
- Extremwely bright illumination—2,000 lumens (LF1D-H) or 3,000 lumens (LF1D-J)
- M12 Quick Disconnect option (Pig Tail)

OPTICAL SPECIFICATIONS (I) (E



MODEL	MINI SLIM			WIDE	LONG			
MODEL	LF1D-C	LF1D/2D-EN	LF1D/2D-EH	LF1D/2D-FH	LF1D-H	LF1D-J		
Illumination Colour	Cool White					Neutral White		
Total Luminous Flux, Im	560	560 1530		1260 1540		3000		
Colour Temperature, k		4700						
Reference luminence at 1.0m, lx	180	1700 - standard 1000 - diffused	1800	1500	560	840		

LED modules and illumination units may vary in colour and brilliance. Luminous flux, colour temperature, and illuminance values shown are typical.

PART NUMBER STRUCTURE





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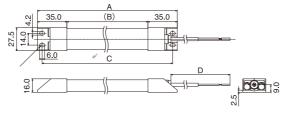
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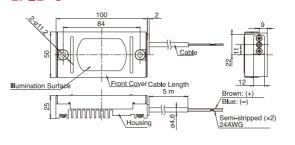
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DIMENSIONS

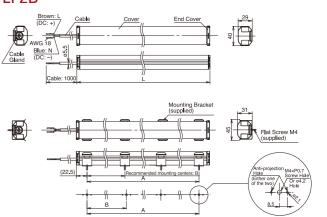
LF1B-N



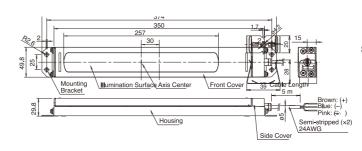
LF1D-C



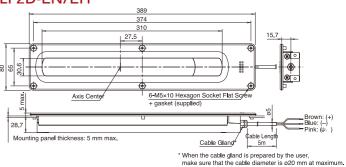
LF2B



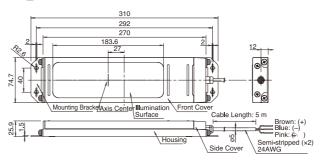
LF1D-EN/EH



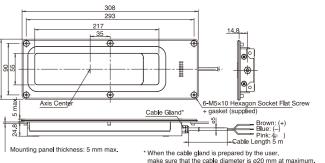
LF2D-EN/EH



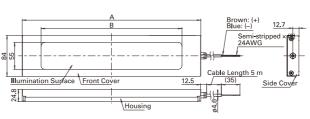
LF1D-FH



LF2D-FH

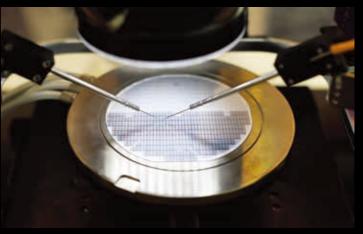


LF1D-H/J







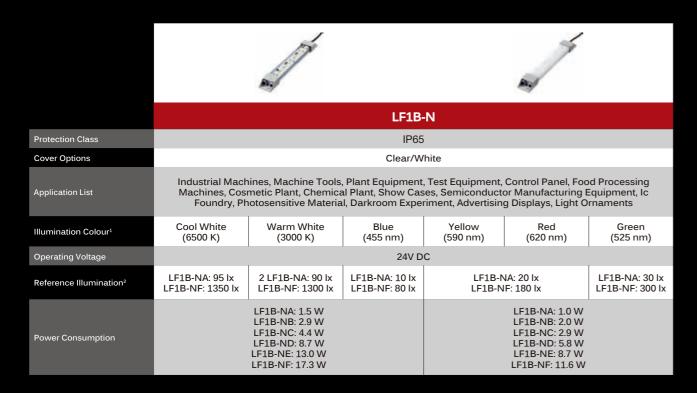


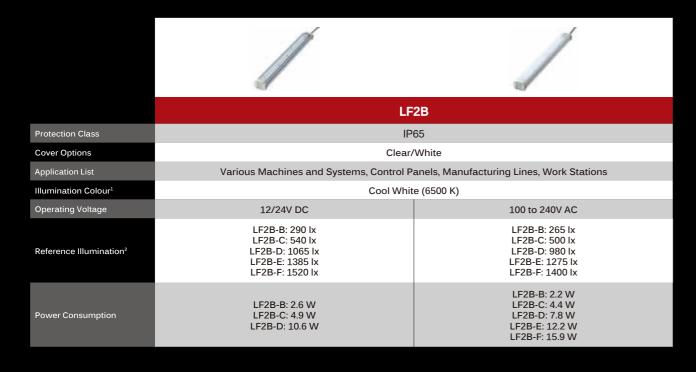




SELECTION GUIDE

SURFACE MOUNT





- 1. K: Colour Temperature (typ.), mm: Dominant Wavelength (typ.). 2. Directly below at 0.5m unless otherwise noted.





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SURFACE MOUNT

	9		1	9	1	1		
	LF1D-C	LF1D-EN	LF1D-EH	LF1D-FH	LF1D-H	LF1D-J		
Form Factor	Mini	Slim 48 LEDs x 1 Row	Slim 10 LEDs x 1 Row	Wide 7 LEDs x 2 Rows	Long 365 mm	Long 510 mm		
Protection Class ³	IP67 IP67F* IP69K	IP67 IP67F* IP67G IP69K	IP67 IP67F* IP69K					
Application List	Machine Tools, Food and Beverage Processing Machines, Automotive, Chemical/Pharmaceutical, Production Systems, Test Equipment							
Illumination Colour ¹		White (5700 K)		Neutral White (470K)				
Operating Voltage	24V DC							
Reference Illumination ²	180 lx	1,700 lx (standard) 1,000 lx (diffused)	1,800 lx	1,500 lx	560 lx	840 lx		
Power Consumption	4.6 W	10 W	11 W	12.5 W	18.4 W	27.6 W		

RECESSED MOUNT

		Carrier and				
	LF2D-EN	LF2D-EH	LF2D-FH			
Form Factor	Slim 48 LEDs x 1 Row	Slim 10 LEDs x 1 Row	Wide			
Protection Class	IP67 IP67F* IP67G	IP67 IP67F*				
Application List	Machine Tools, Food and Beverage Processing Machines, Automotive, Chemical/Pharmaceutical, Production Systems, Test Equipment					
Illumination Colour ¹		White (5700 K)				
Operating Voltage						
Reference Illumination ²	1700 lx (standard) 1000 lx (diffused)	1800 lx	1500 lx			
Power Consumption	10 W	11 W	12.5 W			

- K: Colour Temperature (typ.), mm: Dominant Wavelength (typ.).
 Directly below at 0.5m unless otherwise noted.
 Degree of protection: IEC60529 (IP67), JIS C 0920 (IP67F/IP67G), and DIN40050-9 (IP69K).

*Reinforced glass model

SWITCHES SAFETY PANEL **AUTOMATION**

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