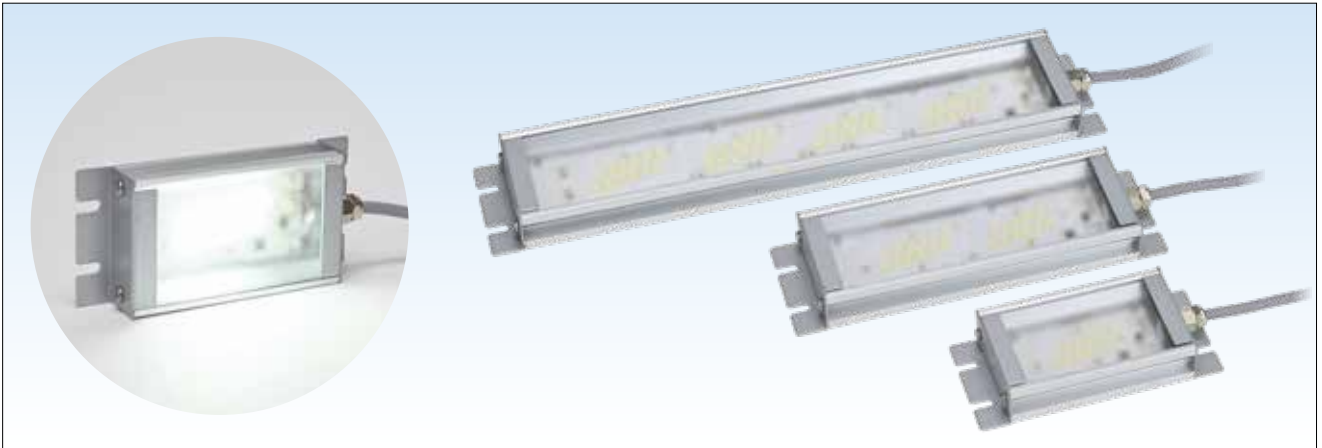






LED module and high heat-radiation technology allow for thin LED housing



• See website for details on approvals and standards.



Features and Applications by Illumination Color

Illumination Color	Daylight	Yellow
Type No.	LF1A- *-2THWW6	LF1A- *-2SHY8
Appearance		
Features	Suppressing glare, the bright, clear white illumination color lights up a target object clearly.	Yellow illumination color gives off an emission spectrum with a dominant wavelength of 592 nm. It does not include 500 nm or shorter wavelengths.
Application Examples	<ul style="list-style-type: none"> • Machine Tools • Control Panel/Plant Equipment • Inspection/Test Equipment 	<ul style="list-style-type: none"> • Semiconductor Manufacturing Equipment • IC Plants 

Types

Size	Illumination Color	Daylight	Yellow
	LF1A-A1-□ (120mm)	LF1A-A1-2THWW6	LF1A-A1-2SHY8
LF1A-B1-□ (180mm)	LF1A-B1-2THWW6	LF1A-B1-2SHY8	
LF1A-D1-□ (360mm)	LF1A-D1-2THWW6	LF1A-D1-2SHY8	

Specifications

General Specifications

Type No.	LF1A- * -2THWW6		LF1A- * -2SHY8
Rated Voltage	24V DC (without polarity)		
Input Current (typ.) (at rated voltage)	LF1A-A1-□	50mA	90mA
	LF1A-B1-□	100mA	180mA
	LF1A-D1-□	200mA	360mA
Rated Power (typ.) (at rated voltage)	LF1A-A1-□	1.2W	2.2W
	LF1A-B1-□	2.4W	4.3W
	LF1A-D1-□	4.8W	8.6W
Dielectric Strength	Between live and dead parts: 1000V AC, 1 minute		
Insulation Resistance	Between live and dead parts: 100 MΩ (500V DC megger)		
Operating Temperature	-20 to +50°C		
Storage Temperature	-25 to +70°C		
Operating/Storage Humidity	45 to 85% RH (no condensation)		
Light source life (*1)	40,000 hours (The illumination duration in which the brightness maintains a minimum of 70%) (Ta = 25°C, 45%RH max.)		
Weight (approx.)	LF1A-A1: 160g, LF1A-B1: 220g, LF1A-D1: 345g		
Degree of Protection	IP40		

• Due to variations in LED elements, products may vary in illumination color and illuminance.

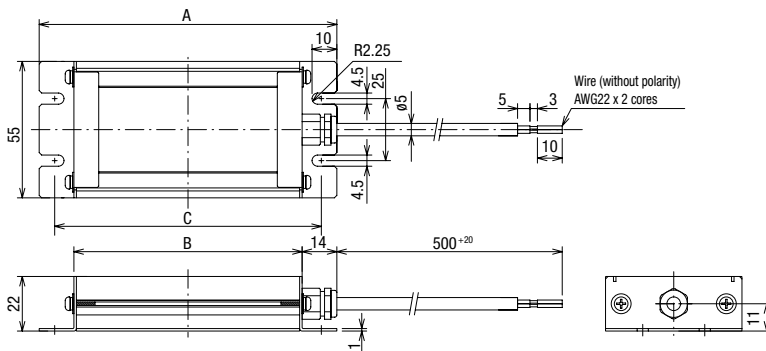
*1) Not a guaranteed value. The actual life may differ depending on the operating environment and conditions. Specifications are subject to change without notice. Ta is the ambient temperature of this product.

LED Optical Specifications

Type No.	LF1A- * -2THWW6		LF1A- * -2SHY8
Illumination Color	Daylight		Yellow
Luminous Flux (typ.)	LF1A-A1-□	130 lm	55 lm
	LF1A-B1-□	260 lm	110 lm
	LF1A-D1-□	520 lm	220 lm
Color Temperature (typ.) / Dominant Wavelength (typ.)	5700K		592 nm
Reference Illuminance (typ.) at 0.5m directly below	LF1A-A1-□	210 lx	100 lx
	LF1A-B1-□	420 lx	195 lx
	LF1A-D1-□	840 lx	390 lx

Dimensions

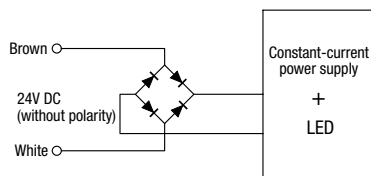
All dimensions in mm.



Dimension List

Type No.	A	B	C
LF1A-A1-□	120	92	108
LF1A-B1-□	180	152	168
LF1A-D1-□	300	272	288

Internal Circuit



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Specifications and other descriptions in this brochure are subject to change without notice.
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