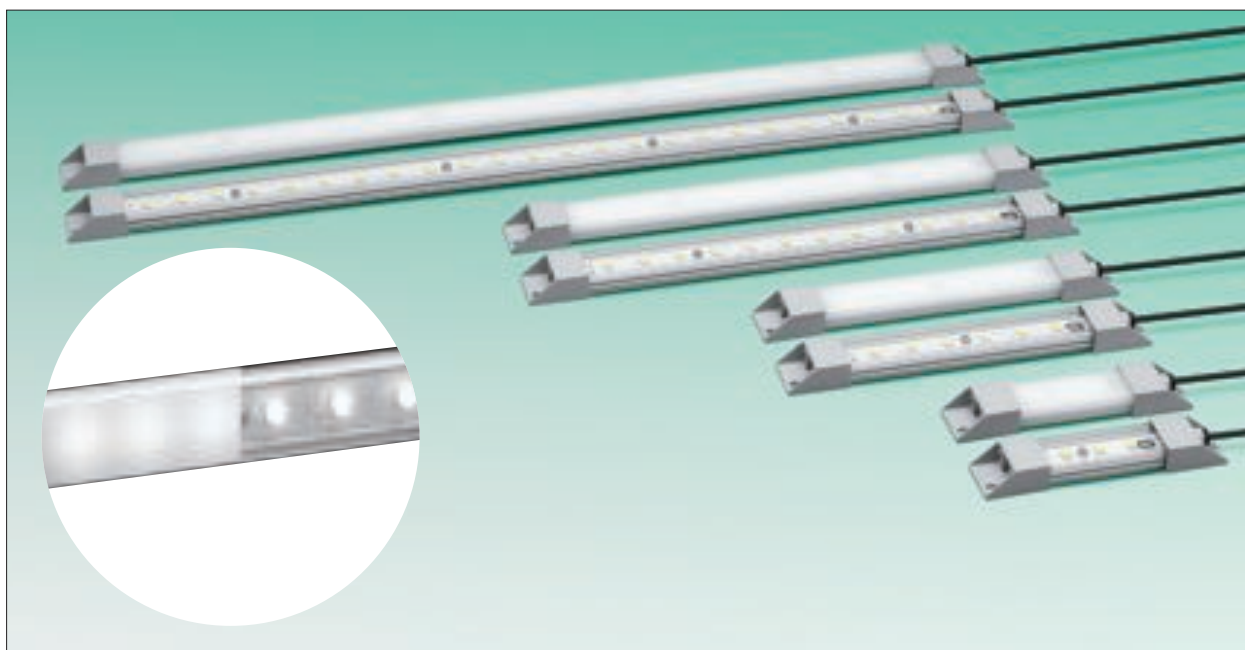


LF1B

LED Illumination Units

Miniature LED modules and high heat-dissipation in slim housing



Features

- LED light source ensures energy savings, long life, down-sizing, noise-free environment, and low heat generation.
- Four different sizes
- Slim style fits into narrow areas.
- Two cover colors: transparent and white (diffused light) to select two illumination colors.
- Bright, clear illumination light (color temperature 5500K)
- Degree of protection: IP54

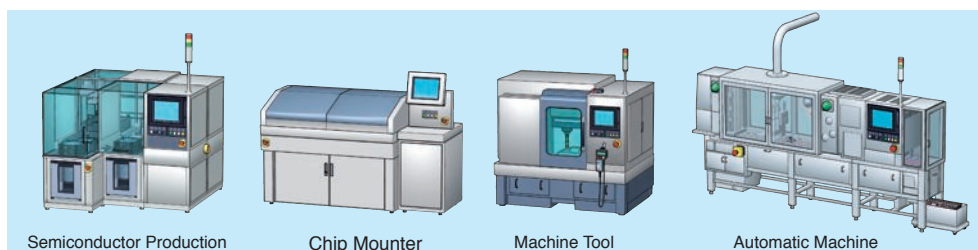
Types

Type No.		LF1B-A*S-2THWW4	LF1B-B*S-2THWW4	LF1B-C*S-2THWW4	LF1B-D*S-2THWW4
Cover Color	Transparent				
	White				
LED Module		3 modules × 1 row	6 modules × 1 row	12 modules × 1 row	24 modules × 1 row

Note: When ordering, specify a cover color code in place of in the Type No.: 3 (transparent) or 4 (1white)

Applications

- Industrial machines
- Factory equipment
- Low temperature areas (down to -30°C)
- Shelf illumination
- Signboards
- Others



LF1B LED Illumination Units

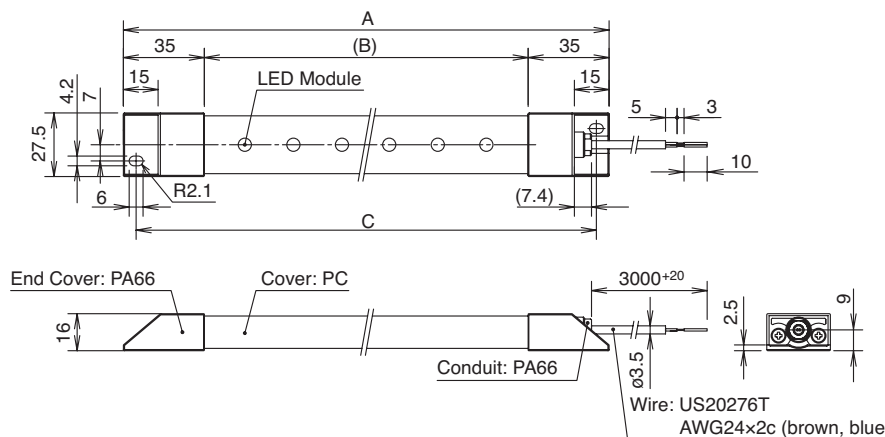
Specifications

Type No.	LF1B-A*S-2THWW4	LF1B-B*S-2THWW4	LF1B-C*S-2THWW4	LF1B-D*S-2THWW4
Rated Voltage	24V DC (non-polarity)			
Input Current (typ.) (at the rated voltage)	30 mA	60 mA	120 mA	240 mA
Rated Power (typ.) (at the rated voltage)	0.8W	1.5W	2.9W	5.8W
Insulation Resistance	100 MΩ minimum (500V DC megger)			
Dielectric Strength	1000V AC, 1 minute (between live and dead parts)			
Operating Temperature	-30 to +55°C (no freezing)			
Operating Humidity	45 to 85% RH (no condensation)			
Storage Temperature	-35 to +70°C (no freezing)			
Life	40,000 hours (half brightness)			
Weight (approx.)	95g	125g	165g	255g
Degree of Protection	IP54			
Main Materials	Plastic housing (middle): PC (UL94V-2), Plastic housing (ends): PA66 G15 (UL94V-0) Wire: US20276T AWG24×2c			

• LED Optical Specifications

Type No.	LF1B-A*S-2THWW4	LF1B-B*S-2THWW4	LF1B-C*S-2THWW4	LF1B-D*S-2THWW4
Color Temperature (typ.)	5500K			
Illuminance (typ.) (front at 500 mm)	Transparent: 90 lx White: 80 lx	Transparent: 170 lx White: 150 lx	Transparent: 330 lx White: 300 lx	Transparent: 560 lx White: 500 lx

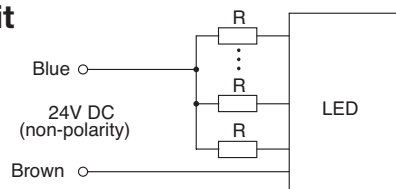
Dimensions



• Dimension List (mm)

Type	A	B	C
LF1B-A	134	64	123
LF1B-B	210	140	199
LF1B-C	330	260	319
LF1B-D	580	510	569

Internal Circuit



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



IDEC CORPORATION

7-31, Nishi-Miyahara 1-Chome, Yodogawa-ku, Osaka 532-8550, Japan
Tel: +81-6-6398-2571, Fax: +81-6-6392-9731
E-mail: products@idec.co.jp

IDEC CORPORATION (USA)
Tel: +1-408-747-0550 / (800) 262-IDEC (4332)
Fax: +1-408-744-9055 / (800) 635-6246
E-mail: opencontact@idec.com
IDEC CANADA LIMITED
Tel: +1-905-890-8561, Toll Free: (888) 317-4332
Fax: +1-905-890-8562
E-mail: sales@ca.idec.com
IDEC AUSTRALIA PTY. LTD.
Tel: +61-3-9763-3244, Toll Free: 1800-68-4332
Fax: +61-3-9763-3255
E-mail: sales@au.idec.com

IDEC ELECTRONICS LIMITED
Tel: +44-1256-321000, Fax: +44-1256-327755
E-mail: sales@uk.idec.com
IDEC ELEKTROTECHNIK GmbH
Tel: +49-40-25 30 54 - 0, Fax: +49-40-25 30 54 - 24
E-mail: service@idec.de
IDEC (SHANGHAI) CORPORATION
Tel: +86-21-5353-1000, Fax: +86-21-5353-1263
E-mail: idec@cn.idec.com

IDEC IZUMI (H.K.) CO., LTD.
Tel: +852-2803-8989, Fax: +852-2565-0171
E-mail: info@hk.idec.com
IDEC TAIWAN CORPORATION
Tel: +886-2-2698-3929, Fax: +886-2-2698-3931
E-mail: service@idec.com.tw
IDEC IZUMI ASIA PTE. LTD.
Tel: +65-6746-1155, Fax: +65-6844-5995
E-mail: info@sg.idec.com

www.idec.com