LF1A (IP67f) Series LED Illumination Units (Water-, Dust- and Oil-proof)

Environmental-proof LED illumination units can be used in environments where water/oil spattering may occur.



Types

Illumination LED Color Arrangement	
8 LEDs x 3 rows	LF1A-D2F-2THWW6

Application Examples



- Food Processing Lines
- Automotive/Outdoor Equipment, etc.

 Semiconductor Manufacturing Equipment



LF1A Series LED Illumination Units (Water-, Dust-, and Oil-proof)

Specifications

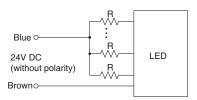
· General Specifications

· · · · · · · · · · · · · · · · · · ·		
Rated Voltage	24V DC (without polarity)	
Input Current (typ.)	300 mA (at rated voltage)	
Rated Power (typ.)	7.2W (at rated voltage)	
Operating Temperature	-20 to +50°C	
Storage Temperature	-25 to +70°C	
Operating/Storage Humidity	45 to 85% RH (no condensation)	
Life (half luminance)	40,000 hours	
Insulation Resistance	100 MΩ minimum (500V DC megger)	
Dielectric Strength	1000V AC, 1 minute (between live and dead parts)	
Vibration Resistance (damage limits)	5 to 55 Hz, amplitude 0.5 mm, 20 m/s ²	
Shock Resistance (damage limits)	980 m/s²	
Material	Housing: SUS Glass: Reinforced glass Rear panel: Aluminum Electric wire: US20276T 0.2 mm² x 2c	
Weight (approx.)	850g	
Degree of Protection	IP67f	

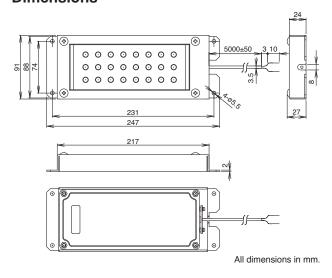
· LED Optical Specifications

Illumination Color	White
Chromaticity Coordinate Value (typ.)	X: 033,Y: 0.33
Luminous Intensity (typ.) (Single LED module)	6000 mcd
Color Temperature (typ.)	5500K
Reference Illuminance (typ.) at 500 mm	600 lx

Internal Circuit



Dimensions



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



IDEC CORPORATION

Tel: +81-6-6398-2571, Fax: +81-6-6392-9731 E-mail: products@idec.co.jp

7-31, Nishi-Miyahara 1-Chome, Yodogawa-ku, Osaka 532-8550, Japan

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 (SHANGHAI) CORPORATION Tel: +86-21-5353-1000, Fax: +86-21-5353-1263 E-mail: idec@cn.idec.com

IDEC ELEKTROTECHNIK GmbH

Tel: +49-40-25 30 54 - 0, Fax: +49-40-25 30 54 - 24 E-mail: service@idec.de

Tel: +44-1256-321000, Fax: +44-1256-327755

E-mail: sales@uk.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

Tel: +886-2-2698-3929, Fax: +886-2-2698-3931 E-mail: service@idectwn.com.tw IDEC IZUMI ASIA PTE. LTD. Tel: +65-6746-1155, Fax: +65-6844-5995 E-mail: info@sg.idec.com

www.idec.com