IDEC

Think Automation and beyond...

IDEC LUMIFA Family

LED Lighting Solutions

LUMIFA

Lighting your way

For over two decades, IDEC has produced LEDs for applications requiring indicator lights and signaling towers. Which is why it was a natural progression to begin developing lighting products and construct the world's first building illuminated with 100% of our own LED technology. New LUMIFA LED lights provide a brighter, longer-lasting, cost-effective and more environmentally-friendly lighting source.

- **Bright:**
  65.3 Lumens/Watt (LUMIFA Series average)
- **Long Lasting:**
  70% of Initial Luminance at 50,000 Hrs
- **Efficient:**
  1/3 the energy of Fluorescent Tubes
- **Compact:**
  Width as narrow as 27.5mm
- **Rugged:**
  Heavy-duty, durable, water/oil resistant
- **Variety of Colors:**
  Cool white, warm white, red, and yellow

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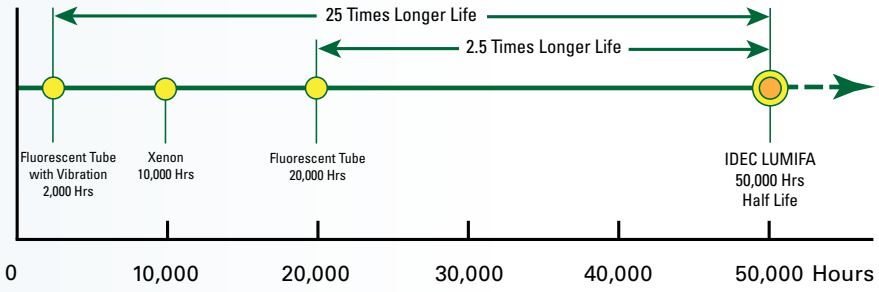
Suitable for Harsh Environments

With their IP67/IP67f rating, the LF1D and 2D series can be used in wet and harsh environments. Resistant to water, oil and metal shavings, they are perfect for many industrial applications. In addition, the LF1E series can withstand temperatures down to -40°C making them ideal for freezers and refrigerated environments.

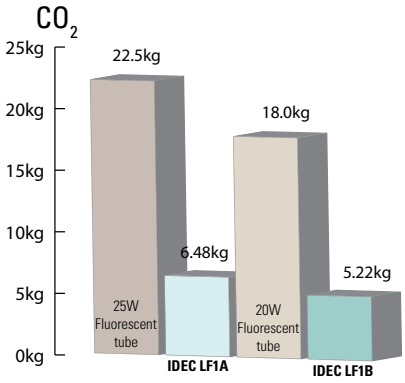


Heat Dissipation Technology

In an LED, only 20% of the energy converts into Light, while 80% is lost in the form of heat. For that reason, proper heat management is critical. IDEC Heat Dissipation Technology (patent pending) uses dissipation pins to transfer heat generated in the LED chip to a heat dissipation plate. This minimizes the buildup of heat in the LED element and results in a longer-lasting LED.

Environmentally-friendly

LUMIFA LEDs are made from non-toxic materials and produce 71% less CO_2 emissions compared with a 20W/25W fluorescent tube. LUMIFA are also great for green applications such as solar panels, which have a low power requirement and can't supply the energy necessary for fluorescent bulbs.



LUMIFA LF1B

Control Panels • Industrial Equipment

LF1B Series

LF1B miniature LED lights are enclosed in a thin light strip, and are available in four sizes with a choice of two covers (clear or white).

- Brightness: 62.5 Lumens/Watt
- Space saving: Width 27.5mm; Thickness 16mm
- Four lengths to choose from
- Long life: 70% of initial luminance at 40,000 Hrs
- UL Listed
- RoHS Compliant
- Cable length: 10ft
- IP54
- 12V DC models available (contact IDEC for details)

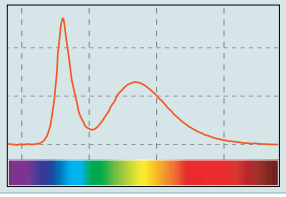
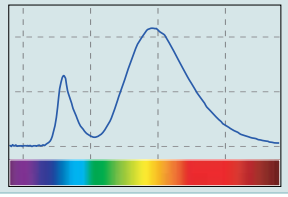
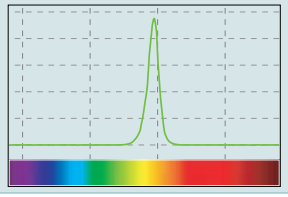
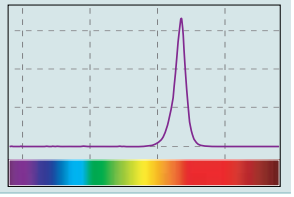
LED Optical Specifications

Color		Cool White	Warm White	Yellow	Red
Luminous Intensity (Single LED module)		5,000mcd	4,500mcd	2,300mcd	1,800mcd
Color Temperature /Dominant Wavelength		5,500K	2,800K	590nm	625nm
Reference Illuminance at 0.5m (clear cover)	LED Array 3 x 1	90lx	60lx	20lx	20lx
	LED Array 6 x 1	170lx	110lx	40lx	40lx
	LED Array 12 x 1	330lx	200lx	75lx	75lx
	LED Array 24 x 1	560lx	350lx	125lx	125lx

General Specifications

Model	LF1B-A (LED Array 3x1)	LF1B-B (LED Array 6x1)	LF1B-C (LED Array 12x1)	LF1B-D (LED Array 24x1)
Rated Voltage	24V DC (non-polarized)			
Input Current (at the rated voltage)	30mA	60mA	120mA	240mA
Rated Power (at the rated voltage)	0.8W	1.5W	2.9W	5.8W
Insulation Resistance	100 MΩ minimum (500V DC megger)			
Dielectric Strength	1,000V AC, 1 minute (between live and dead metal parts)			
Vibration Resistance	Frequency: 5 to 55 Hz, Amplitude: 0.5mm			
Shock Resistance (damage limits)	1000m/s^2			
Operating Temperature	–30 to +55°C (no freezing)			
Operating Humidity	45 to 85% RH (no condensation)			
Storage Temperature	–35 to +70°C (no freezing)			
Operating Atmosphere	No corrosive gas			
Life	40,000 hours (The total illumination duration in which the luminance maintains a minimum of 70% of the initial value.)			
Degree of Protection	IP54			
Material	End cover, conduit: polyamide Cover: polycarbonate Wire: US20276T AWG24 × 2C			
Weight (approx.)	95g	125g	165g	255g

Part Numbers

Color		Cool White	Warm White	Yellow	Red
Appearance	Clear Cover	LF1B-*3S-2THWW4	LF1B-*3S-2TLWW4	LF1B-*3S-2SHY6	LF1B-*3S-2SHR6
	White Cover	LF1B-*4S-2THWW4	LF1B-*4S-2TLWW4	LF1B-*4S-2SHY6	LF1B-*4S-2SHR6
Spectrum					

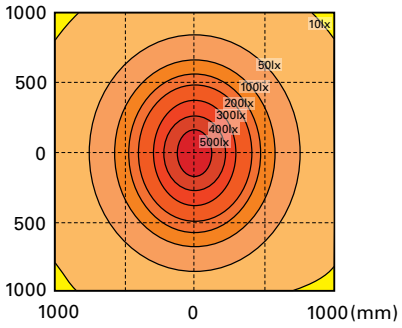
*LED Array A = 3x1 , B = 6x1, C = 12x1, D = 24x1

Part Number Structure (use for interpreting part numbers only)

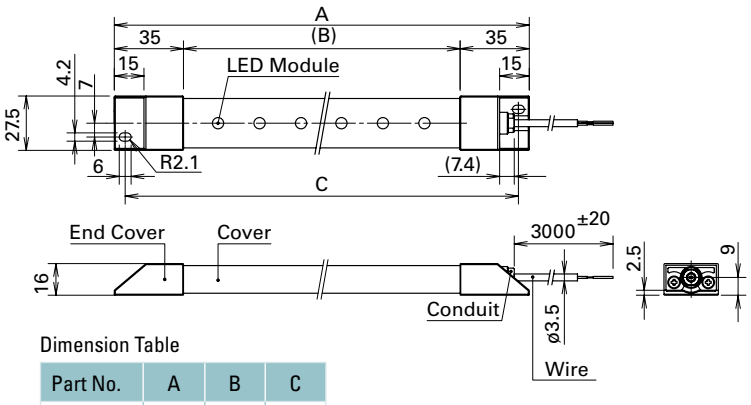
L F 1 B – C 3 S – 2 THWW4

- C — LED Module Arrangement
  - A: 3 LEDs × 1 row
  - B: 6 LEDs × 1 row
  - C: 12 LEDs × 1 row
  - D: 24 LEDs × 1 row
- 3 — Cover
  - 3: Clear plastic
  - 4: White plastic
- THWW4 — LED Illumination Color
  - THWW4: White
  - TLWW4: Warm white
  - SHY6: Yellow
  - SHR6: Red

Illuminance Chart LF1B-D3S-2THWW4 (Cool White)



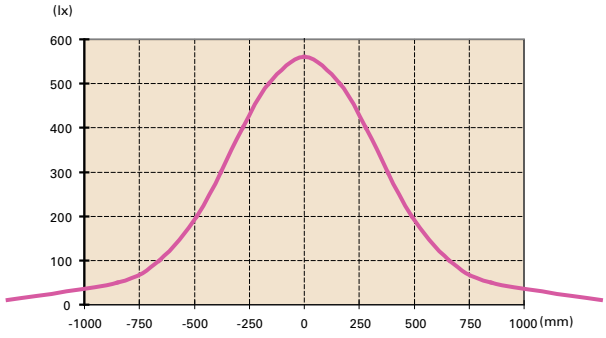
Dimensions (mm)



Dimension Table

Part No.	A	B	C
LF1B-A	134	64	123
LF1B-B	210	140	199
LF1B-C	330	260	319
LF1B-D	580	510	569

Light Distribution at 0.5m LF1B-D3S-2THWW4



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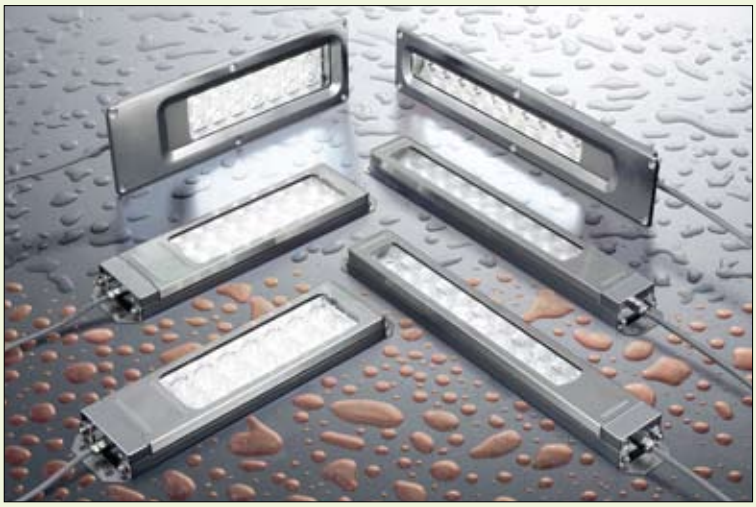
LUMIFA LF1D & LF2D

Machine Tools • Food & Beverage Processing Equipment

LF1D and LF2D Series (IP67, IP67f)

LF1D and LF2D LED units are the brightest in their class. With their rugged construction they are ideal for machine tools, and food and beverage processing equipment. Offered in a wide or slim package, the design of these LED lights provides equally brilliant light at the center or edges of the units.

- Brightness: Slim: 66.6 Lumens/Watt
  Wide: 67.2 Lumens/Watt
- Life: 70% of initial luminance at 50,000 Hrs
- Rugged & durable for harsh environments
- IP67 (Polycarbonate lens) or IP67f (Reinforced glass lens)
- Stainless steel cover, diecast aluminum housing
- UL Listed (wet locations)
- RoHS Compliant



LED Optical Specifications

Model	LF1D				LF2D			
	Slim		Wide		Slim		Wide	
Illumination Surface	Clear	Diffused	Clear	Diffused	Clear	Diffused	Clear	Diffused
Illumination Color	Cool White							
Total Luminous Flux	600lm		840lm		600lm		840lm	
Color Temperature	5700K							
Reference Illuminance at 1.0m	1,100lx	1,000lx	1,100lx	1,000lx	1,100lx	1,000lx	1,100lx	1,000lx

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

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General Specifications

Model	LF1D		LF2D	
	Slim	Wide	Slim	Wide
Rated Voltage	24V DC			
Voltage Range	21.6 to 26.4V DC			
Rated Power (typ.)	9W	12.5W	9W	12.5W
Insulation Resistance	1MΩ minimum (500V DC megger)			
Dielectric Strength	1,000V AC, 50/60Hz, 1 minute			
Vibration Resistance (damage limits)	Frequency 5 to 55Hz, amplitude 0.5mm			
Shock Resistance (damage limits)	1000m/s^2			
Operating Temperature	–30 to +55°C (no freezing)			
Operating Humidity	45 to 85% RH (no condensation)			
Storage Temperature	–35 to +70°C (no freezing)			
Operating Environment	No corrosive gases			
Life (Note 1)	50,000 hours (The illumination duration in which the illuminance maintains a minimum of 70% of the initial value at 25°C.)			
Degree of Protection (Note 2)	IP67f (reinforced glass), IP67 (polycarbonate)			
Material (Note 3)	Housing: Diecast aluminum Front cover: Stainless steel Lens: Reinforced glass or polycarbonate		Housing & Flange: Diecast aluminum Lens: Reinforced glass or polycarbonate	
Weight (approx.)	LF1D-E**-2W*: 750g LF1D-E**-2W-A*: 950g	LF1D-F**-2W*: 800g LF1D-F**-2W-*: 1000g	LF2D-E**-2W*: 850g LF2D-E**-2W-A*: 1000g	LF2D-F**-2W*: 900g LF2D-F**-2W-A*: 1050g

Note 1: LED life depends on the operating environment.
Note 2: Waterproof or oil-proof characteristics specified by IEC 60529 and JEM1030. For illumination units without accessories, use a cable gland and cables that satisfy IP67f or IP67 degree of protection.
Note 3: The reinforced glass and polycarbonate illumination surfaces have the same appearance, but have different degrees of protection (IP67f or IP67).

Part Numbers

Model			Slim Model LF1D-E (10 LEDs × 1 row)		Wide Model LF1D-F (7 LEDs × 2 rows)	
Cable Gland	Cable	Mounting Bracket	Clear Reinforced Glass	Clear Polycarbonate	Clear Reinforced Glass	Clear Polycarbonate
Appearance						
Without (Cable gland hole on the side)	—	— √	LF*D-E2F-2W LF1D-E2F-2W-101	LF*D-E3G-2W LF1D-E3G-2W-101	LF*D-F2F-2W LF1D-F2F-2W-101	LF*D-F3G-2W LF1D-F3G-2W-101
Without (Cable gland hole on the back)	—	— √	LF*D-E2F-2W-200 LF1D-E2F-2W-201	LF*D-E3G-2W-200 LF1D-E3G-2W-201	LF*D-F2F-2W-200 LF1D-F2F-2W-201	LF*D-F3G-2W-200 LF1D-F3G-2W-201
With (Side)	—	— √	LF*D-E2F-2W-300 LF1D-E2F-2W-301	LF*D-E3G-2W-300 LF1D-E3G-2W-301	LF*D-F2F-2W-300 LF1D-F2F-2W-301	LF*D-F3G-2W-300 LF1D-F3G-2W-301
	√	— √	LF1D-E2F-2W-350 LF*D-E2F-2W-A	LF1D-E3G-2W-350 LF*D-E3G-2W-A	LF1D-F2F-2W-350 LF*D-F2F-2W-A	LF1D-F3G-2W-350 LF*D-F3G-2W-A
With (Back)	—	— √	LF*D-E2F-2W-400 LF1D-E2F-2W-401	LF*D-E3G-2W-400 LF1D-E3G-2W-401	LF*D-F2F-2W-400 LF1D-F2F-2W-401	LF*D-F3G-2W-400 LF1D-F3G-2W-401
	√	— √	LF*D-E2F-2W-450 LF1D-E2F-2W-451	LF*D-E3G-2W-450 LF1D-E3G-2W-451	LF*D-F2F-2W-450 LF1D-F2F-2W-451	LF*D-F3G-2W-450 LF1D-F3G-2W-451

*Insert 1 for surface mount models and 2 for recessed models.

Part Number Structure (use for interpreting part numbers only)

LF 2 D – E 2 F – 2W – 300

Shape
1: Surface mount
2: Recessed mount

Size (LED arrangement)
E: Slim Model (10 LEDs × 1 row)
F: Wide Model (7 LEDs × 2 rows)

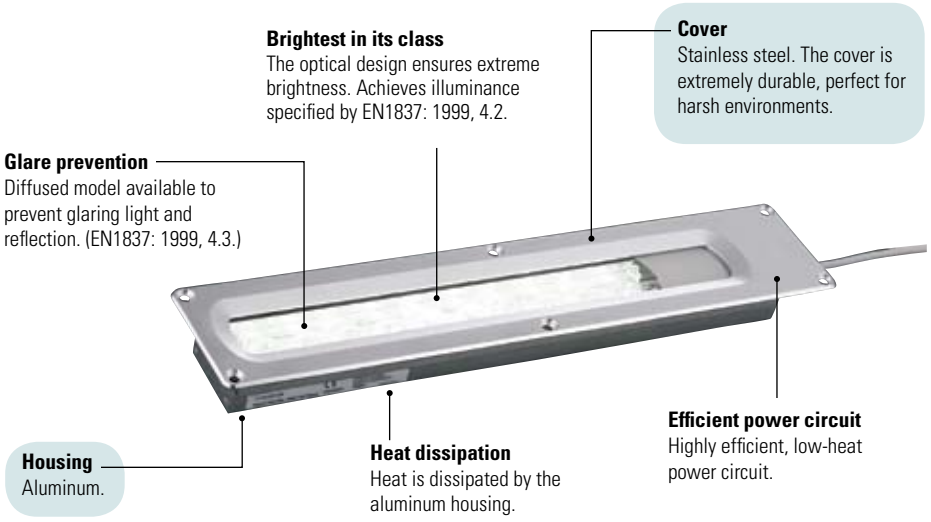
Illumination Surface
2: Clear, Reinforced glass
3: Clear, Polycarbonate
5: Diffused, Polycarbonate
9: Diffused, Reinforced glass

Degree of Protection
F: IP67f
G: IP67

Cable Gland

Code	Cable Gland	Cable Gland Hole Location	Cable	Mounting Bracket
Blank	–	side	–	–
A	√	side	√	√ *
101	–	side	–	√ *
200	–	back	–	–
201	–	back	–	√ *
300	√	side	–	–
301	√	side	–	√ *
350	√	side	√	–
400	√	back	–	–
401	√	back	–	√ *
450	√	back	–	–
451	√	back	√	√ *

* Mounting bracket available for LF1D series only.

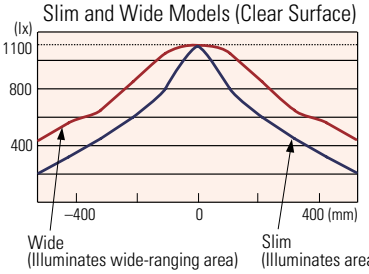


LUMIFA LF1D & LF2D

Machine Tools • Food & Beverage Processing Equipment

Distribution Characteristics (reference value at 1.0m)

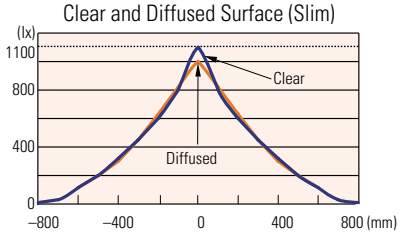
Slim and Wide Models (Clear Surface)



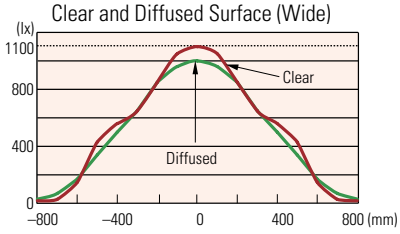
Wide
(Illuminates wide-ranging area)

Slim
(Illuminates area directly below)

Clear and Diffused Surface (Slim)



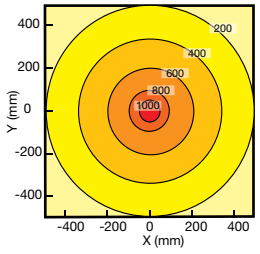
Clear and Diffused Surface (Wide)



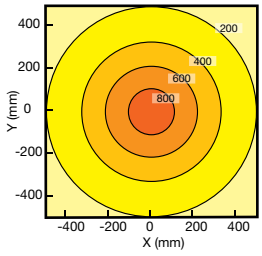
Illuminance Charts

Slim Models

Clear surface

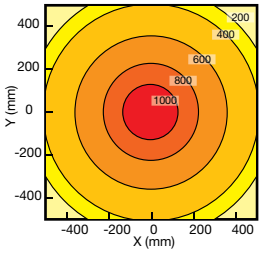


Diffused surface

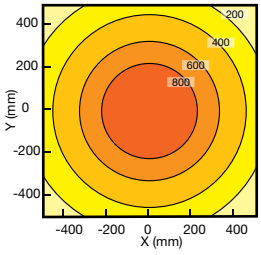


Wide Models

Clear surface



Diffused surface

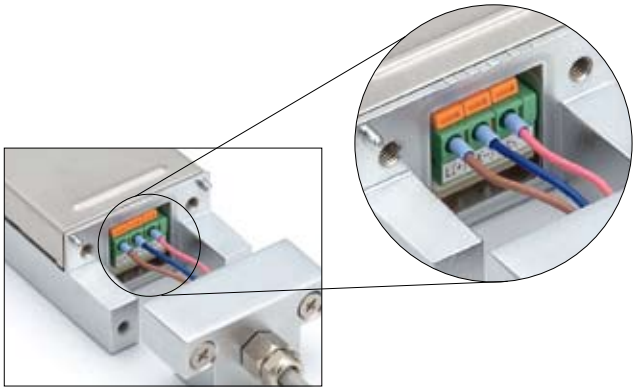


X: long side
Y: short side

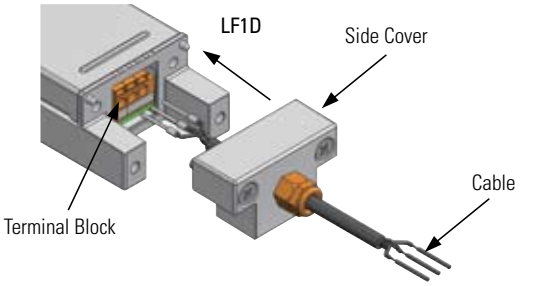
Easy Maintenance

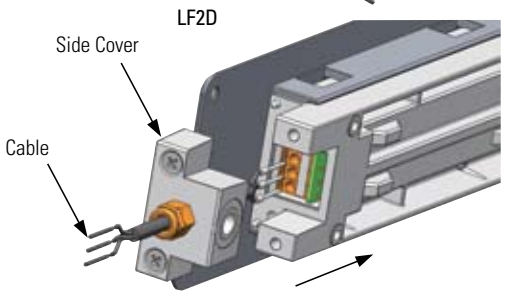
Spring-clamp Terminal Blocks

Removable direct plug-in terminal blocks, with spring clamp connections, ensure a high-quality connection. This provides for easy installation or replacement of the LED illumination unit.



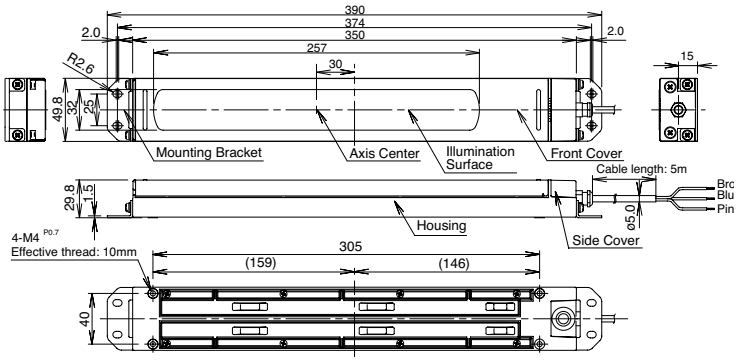
Connection Example



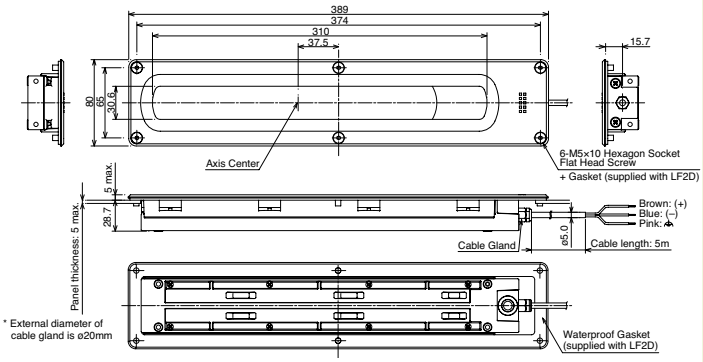


Dimensions (mm)

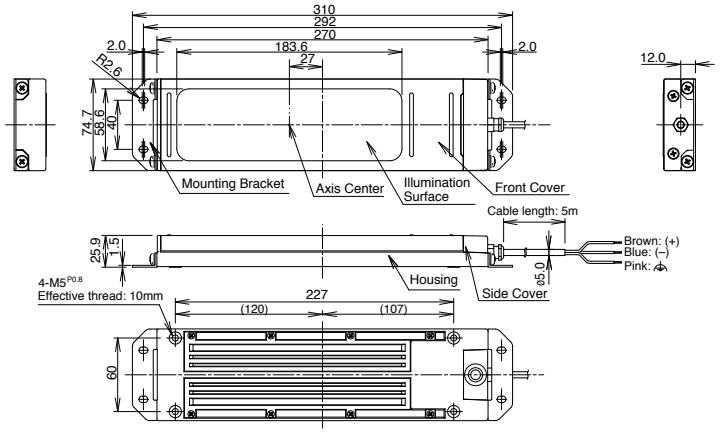
LF1D Slim



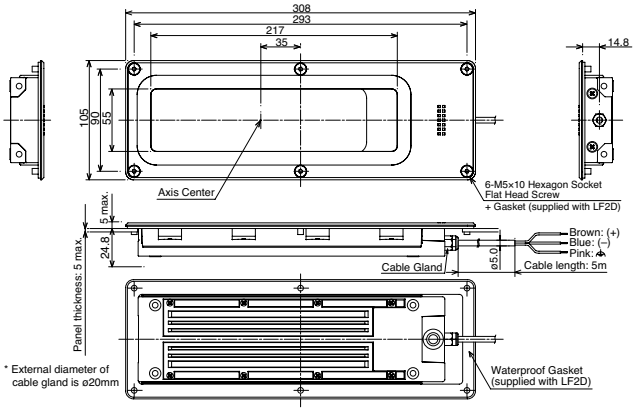
LF2D Slim



LF1D Wide



LF2D Wide



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LUMIFA LF1E

Freezers • Refrigerated Display Cases • Testing Chambers

LF1E Series

The LF1E illumination lights are designed to be used in freezers or refrigerated display cases where the ambient temperature is as low as -40°C. These energy saving units, with a long service life, compact size and low heat generation make them perfect for illuminating areas with very low temperatures.

- Three types of light distribution: no-lens, condensing and dual
- Life: 70% of initial luminance at 40,000 Hrs
- Available in 4 lengths
- Plastic lens suitable for food industry
- IP54 protection against dust and water
- CE marked, UL Listed (damp locations)

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LED Optical Specifications

Illumination Color		Cool White	Warm White
Color Temperature		5000K	3000K
Lens Type	**Unit Length**	**Reference Illumination**	
No Lens (Note 1)	550mm	950lx	750lx
	808mm	1,100lx	900lx
	1066mm	1,200lx	950lx
	1450mm	1,250lx	1,000lx
Condensing Lens (Note 2)	550mm	1,950lx	1,500lx
	808mm	2,000lx	1,550lx
	1066mm	2,000lx	1,550lx
	1450mm	2,000lx	1,550lx
Dual Lens	See Illumination Distrbution Chart next page		

Note 1: LED life depends on the operating environment.
Note 2: Measured at 0.3m directly below unit.

General Specifications

Model (length)		LF1E-B (550mm)	LF1E-C (808mm)	LF1E-D (1066mm)	LF1E-E (1450mm)
Rated Voltage		24V DC			
Input Current (at rated voltage)	24V DC	350mA (404mA max)	525mA (606mA max)	700mA (807mA max)	950mA (1004mA max)
Power Consumption (typ. at rated input)	24V DC	8.4W (9.7W max)	12.6W (14.6W max)	16.8W (19.4W max)	22.8W (26.3W max)
Insulation Resistance		100 MΩ minimum (500V DC megger) between input and housing			
Dielectric Strength		500V AC, 1 minute			
Vibration Resistance (damage limits)		Frequency 5 to 55Hz, amplitude 0.17mm			
Shock Resistance (damage limits)		300m/s^2			
Operating Temperature		–40 to +40°C (no freezing)			
Operating Humidity		45 to 85% RH (no condensation)			
Storage Temperature		–40 to +70°C (no freezing)			
Operating Environment		No corrosive gases			
Life		40,000 hours (The illumination duration in which the illuminance maintains a minimum of 70% of the initial value at 25°C.)			
Weight (approx.) (Note 1)		275g	390g	515g	690g
Degree of protection		IP54			
Material		End cover, conduit: polyamide, Cover: polycarbonate, Cable: PVC, Mounting bracket: stainless steel			

Note 1: Dual lens type.

Part Numbers

LF1E-B3S-2*† (550mm)	LF1E-C3S-2*† (808mm)	LF1E-D3S-2*† (1066mm)	LF1E-E3S-2*† (1450mm)
 warm white shown	 cool white shown	 cool white shown	 cool white shown

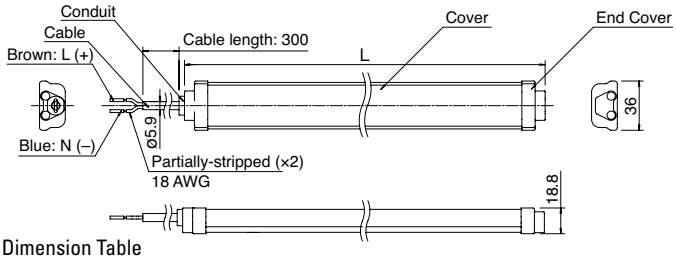
* N = Cool white, L: Warm white. † Blank = No lens, A = Condensing Lens, B = Dual Lens.

Part Number Structure (use for interpreting part numbers only)

LF1E– B 3 S–2 N A

- Length (mm): B: 550; C: 808; D: 1,066; E: 1,450
- LED Color: N: Cool white (5,000K equivalent); L: Warm white (3,000K equivalent)
- Light Distribution (Lens type): Blank: No Lens; A: Condensing Lens; B: Dual Lens

Dimensions (mm)

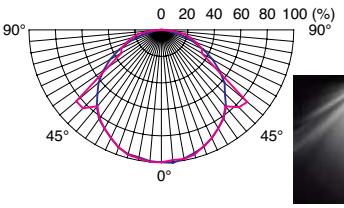


Dimension Table

Part No.	L	A	B	C	D	Mounting Bracket Qty
LF1E-B3	550	585	30	490	490	2
LF1E-C3	808	843	29	750	375	3
LF1E-D3	1,066	1,101	30.5	1,005	335	4
LF1E-E3	1,450	1,485	32	1,386	462	4

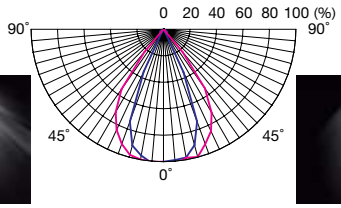
Illuminance Distribution Charts

No-lens



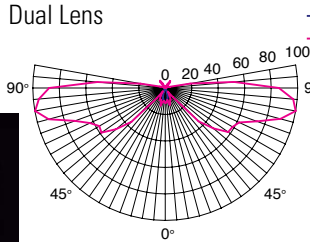
Y (short side) image

Condensing Lens



Y (short side) image

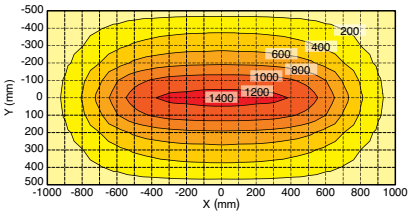
Dual Lens



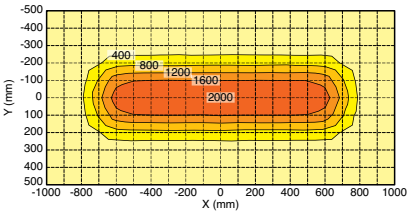
Y (short side) image

Illuminance Charts

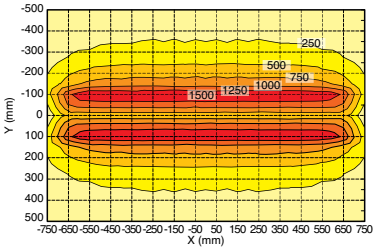
No-lens (LF1E-E3S-2N)



Condensing Lens (LF1E-E3S-2NA)



Dual Lens (LF1E-E3S-2NB)



LUMIFA LF1A

Control Panels • Manufacturing Equipment

LF1A Series

LF1A LED strips use super-bright multi-chip LEDs providing illumination equivalent to a 25W fluorescent lamp, while consuming only one-third the power. They come in a thin housing available in three sizes with four color configurations: cool white (5500K), warm white (2800K), yellow (590nm) and red (625nm).

- Brightness: 66.6 Lumens/Watt
- Energy saving: One-third of fluorescent lamps
- Long life: 40,000 Hrs (Half-life)
- UL Listed
- RoHS Compliant
- IP40

LED Optical Specifications

Model		LF1A-*-2THWW6	LF1A-*-2TLWW6	LF1A-*-2SHY8	LF1A-*-2SHR8
Illumination Color		Cool White	Warm White	Yellow	Red
Luminous Intensity (Single LED module)		6,000mcd	4,000mcd	4,000mcd	2,500mcd
Color Temperature / Dominant Wavelength		5,500K	2,800K	590nm	625nm
Reference Illuminance at 0.5m	LED Array 3 x 2	190lx	130lx	130lx	85lx
	LED Array 6 x 2	380lx	260lx	260lx	170lx
	LED Array 12 x 2	760lx	520lx	520lx	340lx

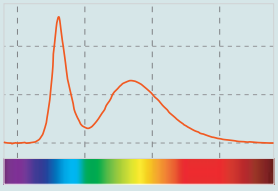
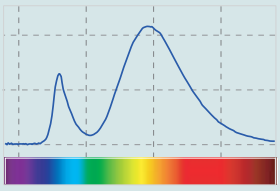
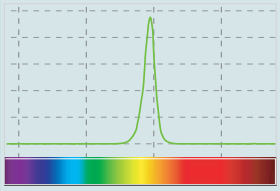
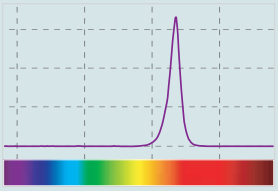
*LED Array A1 = 3x2 , B1 = 6x2, D1 = 12x2

General Specifications

Model		LF1A-*-2THWW6	LF1A-*-2TLWW6	LF1A-*-2SHY8	LF1A-*-2SHR8
Rated Voltage		24V DC (non-polarized)			
Input Current (at rated voltage)	LED Array 3 x 2	75mA		90mA	
	LED Array 6 x 2	150mA		180mA	
	LED Array 12 x 2	300mA		360mA	
Rated Power (at rated voltage)	LED Array 3 x 2	1.8W		2.2W	
	LED Array 6 x 2	3.6W		4.4W	
	LED Array 12 x 2	7.2W		8.7W	
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)			
Life (half luminance)		40,000 hours			
Weight (approx.)		LF1A-A1: 190g, LF1A-B1: 270g, LF1A-D1: 470g			
Degree of Protection		IP40			

*LED Array A1 = 3x2 , B1 = 6x2, D1 = 12x2

Part Numbers

Color	Cool White	Warm White	Yellow	Red
Part No.	LF1A-*-2THWW6	LF1A-*-2TLWW6	LF1A-*-2SHY8	LF1A-*-2SHR8
Appearance				
Light Spectrum				

*LED Array A1 = 3x2 , B1 = 6x2, D1 = 12x2

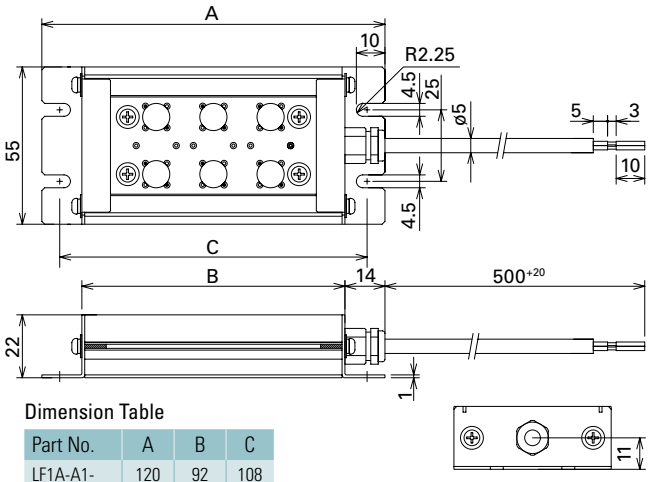
Part Number Structure (use for interpreting part numbers only)

L F 1 A – A1 – 2 THWW6

LED Module Arrangement
A1: 3 LEDs × 2 rows
B1: 6 LEDs × 2 rows
D1: 12 LEDs × 2 rows

LED Illumination Color
THWW6: Cool White
TLWW6: Warm white
SHY8: Yellow
SHR8: Red

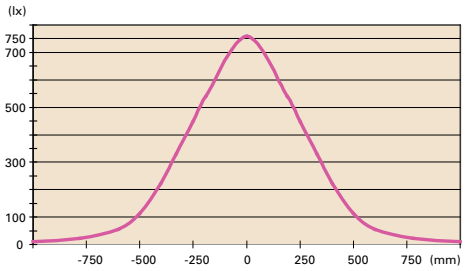
Dimensions (mm)



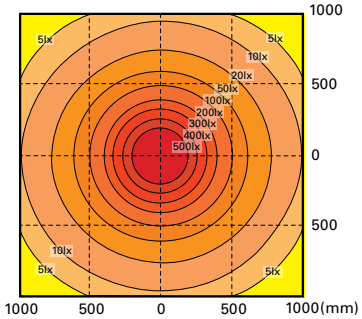
Dimension Table

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

Light Distribution at 0.5m LF1A-D1-THWW6 (Cool White)



Illuminance Chart LF1A-D1-2THWW6



800.262.4332

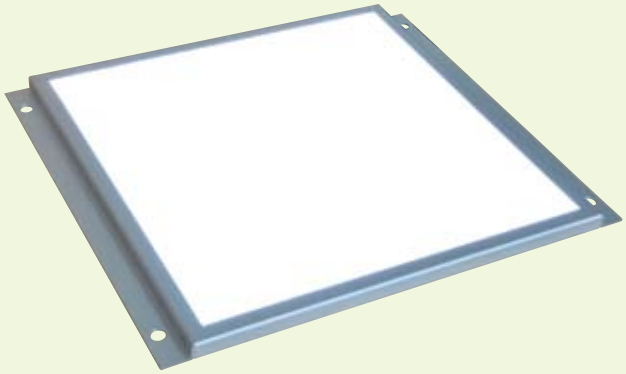
LUMIFA LF1F

Visual Inspection Lighting • Elevator Ceiling Lighting

LF1F Series

Unlike fluorescent lights, LED lights do not flicker and therefore illuminate objects evenly. Uneven surfaces, such as scratches and flaws, are more visible providing more accurate inspections. The LF1F provides steady light regardless of ambient temperature and the narrow profile saves space allowing mounting flexibility.

- Energy saving
- Long operating life
- Maintenance free
- 12mm-thin bezel saves space
- 300mm square illuminated surface
- Wider operating temperature range than fluorescent lighting



LED Optical Specifications

Model	LF1F
Color Temperature	8,500K
Reference Illuminance at 1.0m	5,800lx minimum (panel center)

Operating Specifications

Model	LF1F
Operating Voltage Range	21.6 ~ 26.4V DC
Wattage (typ.)	11W
Insulation Resistance	100MΩ minimum
Dielectric Strength	1,000V, 50/60Hz, 1 minute
Vibration Resistance	5 ~ 55Hz, amplitude 0.5mm, 60m/s^2 (3 directions, 2 hours each)
Shock Resistance	1,000m/s^2
Operating Temperature	-10° ~ 60 (no freezing)
Operating Humidity	45 ~ 85% RH (no condensation)
Storage Temperature	-20° ~ 70°C (no freezing)
Operating Environment	No corrosive gases, no harmful dust
Life	40,000 hours
Degree of Protection	IP20 (IEC60529)
Materials	Housing: Aluminum Light emitting part: acrylic; Cover: acrylic
Weight (approx.)	1.1kg

Part Numbers

Appearance	Model	Cable Length	Size	Color Temperature
	LF1F-B4-2D1	1m	300mm square	8,500K
	LF1F-B4-2D3	3m		

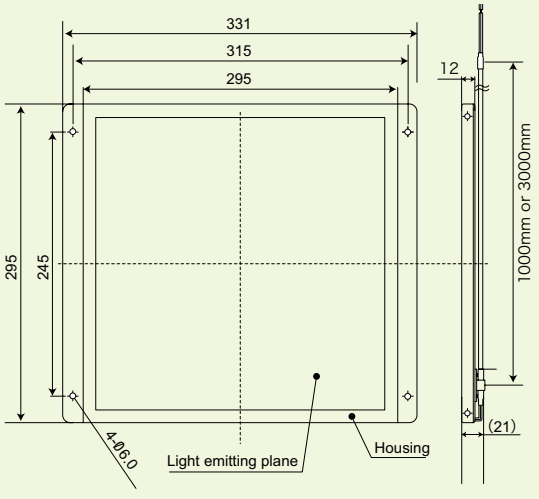
Applications

Ideal for visual inspection, as the LF1F makes it easy to see even the slightest surface flaws.

Application examples for product inspections

- Detect uneven plastic and rubber part surfaces
- Detect dust on glass or plastic plates
- Illuminate marks on metal surfaces during cutting and marking
- Detect flaws on painted or plated surfaces
- Detect scratches and unevenness on embossed materials
- Detect scratches and foreign materials on silicon wafers
- Elevator illumination

Dimensions (mm)



(Light emitting plane: 271 x 271)

Choose Your LUMIFA

Comparison Chart

Color	IP Rating	Lens/Cover	Mounting	Series
Cool white (Color Temp Range: 5000K - 5700K)	IP40	Clear	Standard	LF1A
	IP54	Clear	Standard	LF1B
			Standard	LF1E
		White	Standard	LF1B
	IP67	Clear and Polycarbonate	Standard	LF1D
			Flush	LF2D
		Diffused & Polycarbonate	Standard	LF1D
			Flush	LF2D
	IP67f	Clear & Reinforced Glass	Standard	LF1D
			Flush	LF2D
		Diffused & Reinforced Glass	Standard	LF1D
			Flush	LF2D
Warm white (Color Temp: 2800K-3000K)	IP54	Clear	Standard	LF1B
			Standard	LF1E
		White	Standard	LF1B
	IP40	Clear	Standard	LF1A
			Standard	LF1B
Yellow (Dominant Wavelength: 590nm)	IP54	Clear	Standard	LF1B
		White	Standard	LF1B
	IP40	Clear	Standard	LF1A
Red (Dominant Wavelength: 625nm)	IP54	Clear	Standard	LF1B
		White	Standard	LF1B
	IP40	Clear	Standard	LF1A




Accessories

							
Part No.	Mounting Bracket LF9Z-1MB1	Mounting Bracket LF9Z-1MA1	Mounting Bracket LF9Z-B12	Mounting Bracket LF9Z-B11	Mounting Bracket LF9Z-1SE1	Cable Gland LF9Z-A11	Cable LF9Z-C05
Applicable Unit	LF1B-A, -B and -C (-D not applicable)	LF1A-A, -B and -D	LF1D (Wide)	LF1D (Slim)	LF1E	LF1D	LF1D
Material	Stainless Steel					Brass	PVC
Notes	1 pair Left and Right				1 piece	M8, applicable wire size (10-12 AWG)	Length: 5m

PS5R Slim Line Power Supplies

- Lightweight and compact in size
- Wide power range: 10W-240W
- Universal input:
  10W to 90W: 85-264V AC/100-370V DC
  120W and 240W: 85-264V AC/100-350V DC
- Power Factor Correction for 60W to 240W (EN61000-3-2)
- Meets SEMI F47 Sag Immunity (120W & 240W only)
- UL Listed for Class 1, Div. 2 Hazardous Locations

Need a reliable, lightweight power supply? PS5R Slim Line models give you all the power of a traditional power supply in only half the space. The 10W and 15W are only 22.5mm wide, the 30W and 60W are 36mm wide, and the 90W is 46mm wide. The 120W unit has a width of only 50mm while the 240W is 80mm wide. They also come with all the convenient features you've come to expect from IDEC.

Support Information

IDEC LED Illumination
www.IDEC.com/usa/LED

Technical support:
support@IDEC.com

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