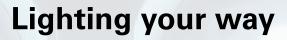


Think Automation and beyond...



IDEC LUMIFA LED Illumination for Industrial Automation

LUMIFA



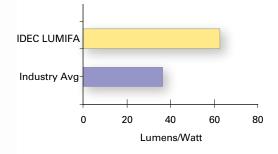
For over two decades, IDEC has been producing LEDs for applications requiring indicator lights and signaling towers. In 1999, IDEC received an award for Excellence in Energy Conservation Equipment for LED display development. Now, new LUMIFA LED light strips represent the future of brighter, longer-lasting and environmentally-friendly lighting sources. LUMIFA series offers:

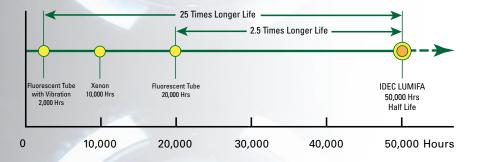
- Bright: 65.3 Lumens/Watt (LUMIFA Series average)
- Long Lasting: 70% of Initial Luminance at 50,000 Hrs
- Efficient: 1/3 the energy of Fluorescent Tubes
- Compact: Width as narrow as 27.5mm
- Safe: RoHS Compliant, IP67f degree of protection (dust, water and oil tight)
- Variety of Colors: Cool White, Warm White, Red, and Yellow

2

Brightest in the Industry

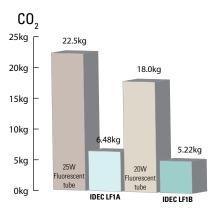
Our innovative Heat Dissipation Technology integrated with our core LED design enables IDEC LUMIFA light strips to emit only the highest quality light. The LUMIFA series is brightest in the industry, producing an average of 65.3 Lumens/Watt.





Heat Dissipation Technology

In a 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.



IDEC

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 ideal for green applications such as solar panels, which have a low power requirement and can't support the energy necessary for fluorescent bulbs.

LUMIFA LF1A

LF1A Series (IP40)

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



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

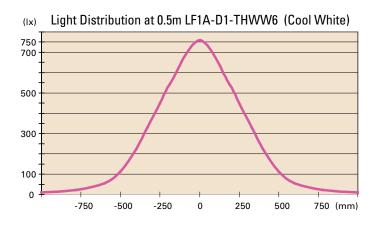
LF1A Series LED Optical Specifications

Part No.		LF1A-*-2THWW6	LF1A-*-2TLWW6	LF1A-*-2SHY8	LF1A-*-2SHR8
Illumination Color		Cool White	Warm White	Yellow	Red
Luminous Intensity (Single LED module)		6000mcd	4000mcd	4000mcd	2500mcd
Color Temperature / Dominant Waveleng		5500K	2800K	590nm	625nm
Reference	LED Array 3 x 2	190lx	130lx	130lx	85lx
	LED Array 6 x 2	380lx	260lx	260Ix	170lx
at 0.5m	LED Array 12 x 2	760lx	520lx	520lx	340lx

LF1A Series General Specifications

Part No.	Part No. LF1A-*-2THWW6 LF1A-*-2TLWW6		LF1A-*-2SHY8	LF1A-*-2SHR8		
Rated Voltage		24V DC (no		n-polarized)		
	LED Array 3 x 2	75m	75mA		0mA	
Input Current (at rated voltage)	LED Array 6 x 2	150r	150mA		180mA	
(at fated voltage)	LED Array 12 x 2	300r	300mA		50mA	
	LED Array 3 x 2	1.8	1.8W		2.2W	
Rated Power (at rated voltage)	LED Array 6 x 2	3.6W		4.4W		
(at fated voltage)	LED Array 12 x 2	7.2W		8.7W		

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

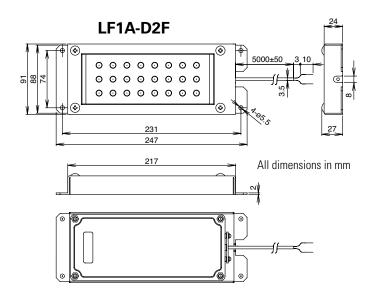


LF1A-D2F Series (IP67f)

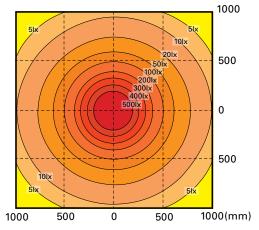


An internal waterproof gasket and transparent panel with thick reinforced glass make LF1A-D2F LED light strips perfect for use in a manufacturing line or outdoors where they might be immersed or sprayed with water or oil. These light strips are IP67f rated as water, dust and oil resistant.

Note: LF1A-D2F is not UL Listed



Illuminance Chart LF1A-D1-2THWW6



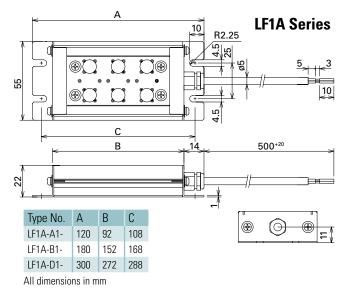
LF1A-D2F LED Optical Specifications

Illumination Color	Cool White
Chromaticity Coordinate Value	X: 033,Y: 0.33
Luminous Intensity	6000mcd
Color Temperature	5500K
Reference Illuminance at 500mm	600lx

LF1A-D2F General Specifications

Rated Voltage	24V DC (non-polarized)
Input Current	300mA (at rated voltage)
Rated Power	7.2W (at rated voltage)
Half Life	40,000 Hours





LUMIFA LF1B

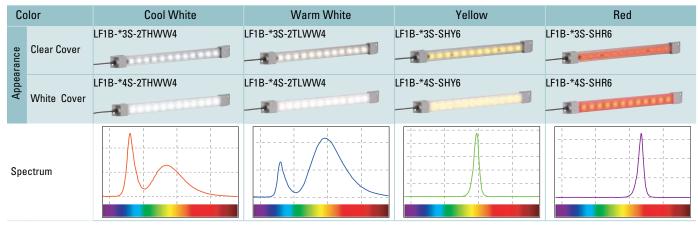
LF1B Series (IP54)

LF1B miniature LED light strips 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







LF1B LED Optical Specifications

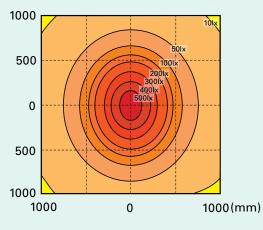
Color		Cool White	Warm White	Yellow	Red
Luminous Intensity (Single LED module)		5000mcd	4500mcd	2300mcd	1800mcd
Color Temperature /Dominant Wavelength		5500K	2800K	590nm	625nm
	LED Array 3 x 1	901x	60Ix	201x	201x
Reference Illuminance at	LED Array 6 x 1	170lx	110lx	401x	401x
0.5m (clear cover)	LED Array 12 x 1	330lx	200lx	75lx	75lx
	LED Array 24 x 1	560lx	350lx	125lx	125lx

*LED Array A = 3 x 1 , B = 6 x 1, C = 12 x 1, D = 24 x 1

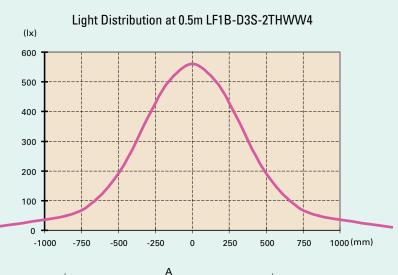
LF1B Series General Specifications

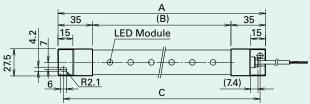
Part No.	LF1B-A (LED Array 3x1)	LF1B-B (LED Array 6x1)	LF1B-C (LED Array 12x1)	LF1B-D (LED Array 24x1)			
Rated Voltage		24V DC (non-polarized)					
Input Current (at the rated voltage)	30mA	60mA	120mA	240mA			
Rated Power (at the rated voltage)	0.8W	1.5W	2.9W	5.8W			
Vibration Resistance	Frequency: 5 to 55 Hz, Amplitude: 0.5mm						

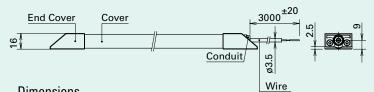
Illuminance Chart LF1B-D3S-2THWW4 (Cool White)











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Model	Α	В	C
LF1B-A	134	64	123
LF1B-B	210	140	199
LF1B-C	330	260	319
LF1B-D	580	510	569
A 11 12			

All dimensions in mm



LUMIFA LF1D

LF1D Series (IP67, IP67f)

LF1D LED units are the brightest in their class with the ability to target illumination with accuracy and making them ideal for machine tools. Offered as a wide or slim-type, these LED units provide high brilliance at the center and periphery.

• Brightness: Slim: 66.6 Lumens/Watt

Wide: 67.2 Lumens/Watt

- Life: 70% of initial luminance at 50,000 Hrs
- IP67 (Polycarbonate lens) or IP67f (Reinforced glass lens)
- UL Pending
- RoHS Compliant



LF1D LED Optical Specifications

Туре	Slim	Wide
Illumination Color	Cool White	
Total Luminous Flux	600lm 840lm	
Color Temperature	5700K	
Reference Illuminance at 1.0m	1100lx	

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

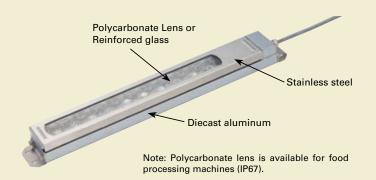
LF1D General Specifications

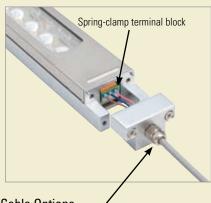
Туре	Slim	Wide		
Rated Voltage	24V DC			
Voltage Range	21.6 to 26.4V DC			
Rated Power (typ.)	9W	12.5W		
Dielectric Strength	1000V AC, 50/60Hz, 1 minute)		
Vibration Resistance (damage limits)	Frequency 5 to 55Hz, amplitude 0.5mm			
Shock Resistance (damage limits)	1000m/s ²			
Life (Note 1)	50,000 hours (The illumination duration in which the illuminance maintains a minimum of 70% of the initial value at 25°C.)			
Material	Housing: Diecast aluminu Front cover: Stainless steel Lens: Reinforced glass	m s or polycarbonate (Note 2)		

Note 1: LED life depends on the operating environment.

Note 2: The reinforced glass and polycarbonate lenses have the same appearance, but have different degrees of protection (IP67f or IP67).





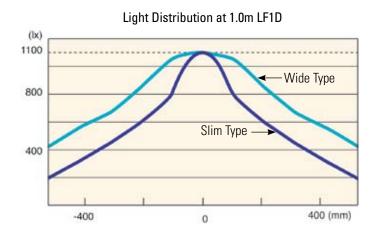


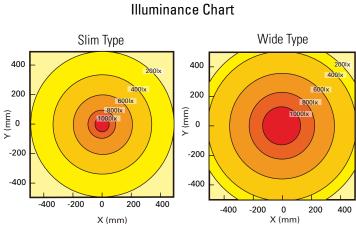
Two Cable Options

- 1. Side connection (as shown).
- 2. Back connection (cable connection at back of unit).

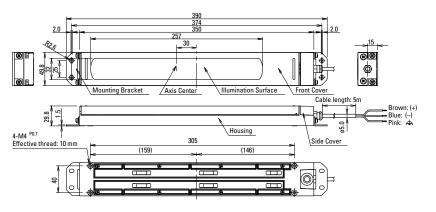
Spring-Clamp Terminal Blocks

Removable direct plug-in terminal block and spring clamp connections ensure a high-quality connection, making it easy to install or replace the LED illumination unit.

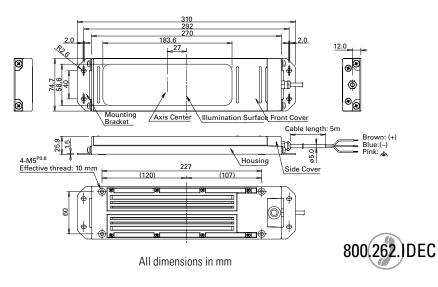




LF1D Slim Type







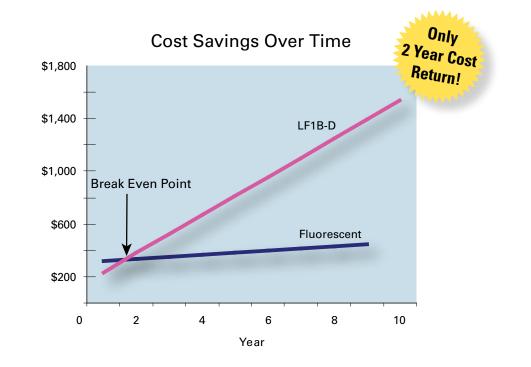




Cost Savings Over Time

LUMIFA versus Fluorescent

The following chart shows a comparison of cost savings year-by-year. As you can see, the break even point for LUMIFA light strips compared with fluorescent bulbs is approximately 2 years. That means in just two years time, you will be saving money by using a Lumifa light strip instead of a fluorescent bulb.



Note: This data assumes a single light source used 8 hours/day, 5 days/week, annually with electricity costs of \$0.10 per KWh (based on average California cost). Other variables, such as machine vibration, can cause the fluorescent tube to need to be changed twice a year. This adds the cost of an electrician's labor; time and cost to shutdown the machine; and cost of the replacement tube. However, as LUMIFA lasts for 40,000 Hrs (half-life) and is resistant to machine vibration; no replacement is needed.



Applications:

- Machine Tool Manufacturing
- Control Panel Lighting
- Printing Machines
- Food Processing Equipment
- Semiconductor Manufacturing
- Commercial Laundry Equipment Manufacturing
- Food Display Lighting
- Retail Store Displays

Downloaded from Elcodis.com electronic components distributor

Choose Your LUMIFA





ColorIP RatioLens/LordLumid unit Length Lens/Lord NationPart Number20m (3 × 2)(2 hA + 2 H × 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10						
Image: Part of the section of the sectin of the sectin of the section of the section of the section o	Color		IP Rating	Lens/Cover	Lumifa Unit Length LED Array (Column x Row)	Part Number
Image: state in the state i					120mm (3 x 2)	LF1A-A1-2THWW6
Image: Product of the section of			IP40	Clear	180mm (6 x 2)	LF1A-B1-2THWW6
Production Production Production Production Production Product					300mm (12 x 2)	LF1A-D1-2THWW6
Image: Control of the section of the sectio					134mm (3 x 1)	LF1B-A3S-2THWW4
P54 30mm (12 h1) UFIEGS21WWM4 Cool white (Color Tomp Range: 5500K - 5700K) P64 30mm (12 h1) UFIEGS21WWM4 30mm (12 h1) UFIEGS22W 30mm (12 h1) UFIEGS2W 30mm (12 h1) UFIEGS2W 10m (7 k2) UFIEGS2W 30mm (10 h1) UFIEGS2W 10m (7 k2) UFIA h27UWM6 30mm (10 h1) UFIEGS2W 10m (17 k2) UFIA h27UWM6 30mm (10 h1) UFIEGS2W 10m (17 k2) UFIA h27UWM6 30m (12 h1) UFIEGS2W 10m (16 k1) UFIEGS2W 10m (16 k2				Clear	210mm (6 x 1)	LF1B-B3S-2THWW4
Pisat Cool white (Color Temp Range: 5500K - 5700K)Pisat Pisat Pisat Pisat Pisat 	開きたは語			Glean	330mm (12 x 1)	LF1B-C3S-2THWW4
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Cool white (Color Temp Range: 5500K + 5700K)Image: S500K + 5700K) </td <td></td> <td></td> <td></td> <td>\//bito</td> <td>210mm (6 x 1)</td> <td>LF1B-B4S-2THWW4</td>				\//bito	210mm (6 x 1)	LF1B-B4S-2THWW4
(Color Temp Pange: 5500K - 5700K)III <t< td=""><td>Cool white</td><td></td><td></td><td>WINC</td><td>330mm (12 x 1)</td><td>LF1B-C4S-2THWW4</td></t<>	Cool white			WINC	330mm (12 x 1)	LF1B-C4S-2THWW4
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Yearn white (color Temp: 280)K) FP67 Beinforced Gas 300mm (1x x1) IFID-287-2W* Warm (0x x3) IFID-287-2W* 247mm (0x x1) IFID-287-2W* 247mm (0x x1) IFID-287-2W* 240mm (0x x1) IFID-287-2W* <			ID67	Polyarbanata	390mm (10 x 1)	LF1D-E3G-2W*
IP671Reinforced Gias 247mm (B × 3)IP10-2F-2W* 247mm (B × 3)IP10-2F-2W* 247mm (B × 3)NameIP60180mm (G × 2)IP1A-41-2TLWW6 300mm (12 × 2)IP1A-41-2TLWW6 100mm (B × 2)IP10-1IP1A-92-2TLWW4 300mm (12 × 2)IP1A-92-2TLWW4 IP1A-92TLWW4 300mm (12 × 1)IP1B-435-2TLWW4 IP1B-435-2TLWW4 300mm (12 × 1)IP1B-435-2TLWW4 IP1B-435-2TLWW4 300mm (12 × 1)IP54IP54IP64IP10-1000 (A × 1)IP1B-435-2TLWW4 IP1B-435-2TLWW4 300mm (12 × 1)IP1B-435-2TLWW4 IP1B-435-2TLWW4 IP1B-435-2TLWW4 300mm (12 × 1)IP1B-435-2TLWW4 IP1B-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 300mm (12 × 1)IP1B-435-2TLWW4 IP1B-435-2TLWW4 IP18-435-2TLW4 IP18-435-2TLW4 IP18-435-2TLW4 IP18-435-2TLW4 IP18-435-2TLW4 IP18-435-2TLW4 IP18-435-2TLW4 IP18-435-2TLW4 IP18-435-2TLW4 IP18-435-2TLW4 IP18-435-2TLW4 IP18-435-2TLW4 			IF U7	ruiycaibuilate	310mm (7 x 2)	LF1D-F3G-2W*
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Yein white (Color Temp. 2000K) IP54				Clear	134mm (3 x 1)	LF1B-A3S-2TLWW4
Warm white (Color Temp: 2800K) IP54 image: angle an					210mm (6 x 1)	LF1B-B3S-2TLWW4
Warn white (Color Temp: 2800K)IP54IP44I34mm (3 x 1)LF1B-A4S-2TLWW4White210mm (6 x 1)LF1B-A4S-2TLWW430mm (12 x 1)LF1B-04S-2TLWW430mm (12 x 1)LF1B-04S-2TLWW4580mm (24 x 1)LF1B-04S-2TLWW4580mm (24 x 1)LF1B-04S-2TLWW4120mm (3 x 2)LF1A-A1-2SHY8IP40Clear180mm (6 x 2)LF1A-B1-2SHY8300mm (12 x 2)LF1A-D1-2SHY8IP54IP54210mm (6 x 1)LF1B-03S-2SHY6IP54IP54210mm (6 x 1)LF1B-03S-2SHY6Ip64I00mm (24 x 1)LF1B-03S-2SHY6Ip64Ip64100mm (24 x 1)LF1B-03S-2SHY6Ip64			IP54		330mm (12 x 1)	LF1B-C3S-2TLWW4
Yearn white (Color Temp: 2800K) IFIB-A4S-2TLWW4 White 210mm (6 x 1) IFIB-A4S-2TLWW4 300mm (12 x 1) IFIB-04S-2TLWW4 300mm (12 x 1) IFIB-04S-2TLWW4 580nm (24 x 1) IFIB-04S-2TLWW4 580nm (24 x 1) IFIB-04S-2TLWW4 Feld 120mm (3 x 2) IFIA-A1-2SHY8 IFIA-B1-2SHY8 160mm (6 x 2) IFIA-D1-2SHY8 S00mm (12 x 2) IFIA-D1-2SHY8 IFIB-03S-2SHY6 S00mm (12 x 1) IFIB-03S-2SHY6 S00mm (12 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHY6 S00mm (24 x 1) IFIB-03S-2SHR6 </td <td>N</td> <td>580mm (24 x 1)</td> <td>LF1B-D3S-2TLWW4</td>	N				580mm (24 x 1)	LF1B-D3S-2TLWW4
White 210mm (6 x 1) 12HB-84S-21LWW4 330mm (12 x 1) 12HB-84S-21LWW4 300mm (12 x 1) 12HB-04S-2TLWW4 580mm (24 x 1) 12HB-04S-2TLWW4 FB-04S-2TLWW4 120mm (3 x 2) 12HB-04S-2TLWW4 120mm (3 x 2) 12HA-41-2SHY8 120mm (3 x 2) 12HA-41-2SHY8 100mm (12 x 2) 12HA-41-2SHY8 300mm (12 x 2) 12HB-04S-2SHY6 100mm (6 x 1) 12HB-04S-2SHY6 100mm (6 x 1) 12HB-04S-2SHY6 100minant Wavelength: 590nm 12HB-04S-2SHY6 100mm (6 x 1) 12HB-04S-2SHY6 100minant Wavelength: 590nm 12HB-04S-2SHY6 130mm (12 x 1) 12HB-04S-2SHY6 100minant Wavelength: 590nm 1HB-04S-2SHY6 130mm (12 x 1) 12HB-04S-2SHY6 100minant Wavelength: 590nm 1HB-04S-2SHY6 130mm (12 x 1) 12HB-04S-2SHY6 100minant Wavelength: 590nm 1HB-04S-2SHY6 130mm (12 x 1) 12HB-04S-2SHY6 100minant Wavelength: 590nm 1HB-04S-2SHY6 100mm (6 x 1) 12HB-04S-2SHY6 100minant Wavelength: 625mm 1HB-04S-2SHY6 100mm (6 x 1) 12HB-04S-2SHF6 100mi					134mm (3 x 1)	LF1B-A4S-2TLWW4
Yellow 930mm (12 x 1) IFIB-C4S-2TLWW4 580mm (24 x 1) IFIB-D4S-2TLWW4 180mm (6 x 2) IFIA-A1-2SHY8 180mm (6 x 2) IFIA-A1-2SHY8 180mm (6 x 2) IFIA-B1-2SHY8 180mm (6 x 2) IFIA-D1-2SHY8 180mm (6 x 1) IFIB-A3S-2SHY6 300mm (12 x 1) IFIB-A3S-2SHY6 300mm (12 x 1) IFIB-A3S-2SHY6 300mm (12 x 1) IFIB-A3S-2SHY6 180mm (6 x 1) IFIB-A3S-2SHY6 180mm (6 x 1) IFIB-A3S-2SHY6 300mm (12 x 1) IFIB-A3S-2SHY6 300mm (12 x 1) IFIB-04S-2SHY6 180mm (6 x 2) IFIA-A1-2SHR8 180mm (6 x 2) IFIA-A1-2SHR8 180mm (6 x 2) IFIA-A1-2SHR8 180mm (6 x 2) IFIA-D1-2SHR8 180mm (6 x 1) IFIB-03S-2SHR6 190mm (6 x 1) IFIB	(Color Temp: 2800K)				210mm (6 x 1)	LF1B-B4S-2TLWW4
Yellow IP40 Clear 120mm (3 x 2) LF1A-A1-2SHY8 180mm (6 x 2) LF1A-B1-2SHY8 300mm (12 x 2) LF1A-D1-2SHY8 134mm (3 x 1) LF1B-A3S-2SHY6 210mm (6 x 1) LF1B-B3S-2SHY6 300mm (12 x 2) LF1A-D1-2SHY8 134mm (3 x 1) LF1B-B3S-2SHY6 130mm (12 x 1) LF1B-B3S-2SHY6 300mm (12 x 1) LF1B-CSS-2SHY6 100minant Wavelength: 590nm) P64 130mm (24 x 1) LF1B-ASS-2SHY6 134mm (3 x 1) LF1B-ASS-2SHY6 130mm (12 x 1) LF1B-ASS-2SHY6 100minant Wavelength: 590nm) P64 130mm (24 x 1) LF1B-ASS-2SHY6 100m (6 x 1) LF1B-ASS-2SHY6 120mm (3 x 2) LF1A-A1-2SHR8 110mm (6 x 2) LF1A-A1-2SHR8 120mm (3 x 2) LF1A-A1-2SHR8 110mm (6 x 2) LF1A-A1-2SHR8 120mm (6 x 1) LF1B-ASS-2SHR6 110mm (6 x 1) LF1B-ASS-2SHR6 120mm (6 x 1) LF1B-ASS-2SHR6 110mm (6 x 1) LF1B-ASS-2SHR6 120mm (6 x 1) LF1A-D1-2SHR8 110mm (6 x 1) LF1B-ASS-2SHR6 130mm (12 x 1) LF1B-ASS-2SHR6				VVhite	330mm (12 x 1)	LF1B-C4S-2TLWW4
Yellow (Dominant Wavelength: 590nm)IP40Clear180mm (6 x 2)LF1A-B1-2SHY8 300mm (12 x 2)Yellow (Dominant Wavelength: 590nm)IP54Clear134mm (3 x 1)LF1B-A3S-2SHY6 300mm (12 x 1)Yellow (Dominant Wavelength: 590nm)IP54IP54134mm (3 x 1)LF1B-A3S-2SHY6 300m (12 x 1)Yellow (Dominant Wavelength: 590nm)IP54IP54134mm (3 x 1)LF1B-A3S-2SHY6 130mm (12 x 1)Yellow (Dominant Wavelength: 590nm)IP64IP64IP64IP64IP40Clear100m (6 x 1)LF1B-A3S-2SHR6 					580mm (24 x 1)	LF1B-D4S-2TLWW4
Yellovy Image: Figure Fig					120mm (3 x 2)	LF1A-A1-2SHY8
Yellow Ippendication Ippendication </td <td></td> <td>IP40</td> <td>Clear</td> <td>180mm (6 x 2)</td> <td>LF1A-B1-2SHY8</td>			IP40	Clear	180mm (6 x 2)	LF1A-B1-2SHY8
Yellow IP54 210mm (6 x 1) IF18-B3S-2SHY6 330mm (12 x 1) IF18-C3S-2SHY6 330mm (12 x 1) IF18-C3S-2SHY6 Yellow 134mm (3 x 1) IF18-D3S-2SHY6 144mm (3 x 1) IF18-D3S-2SHY6 White 134mm (3 x 1) IF18-A4S-2SHY6 130mm (12 x 1) IF18-B4S-2SHY6 300mm (12 x 1) IF18-B4S-2SHY6 130mm (12 x 1) IF18-B4S-2SHY6 300mm (12 x 1) IF18-D4S-2SHY6 130mm (12 x 1) IF18-D4S-2SHY6 IP50 IP60 IE60mm (24 x 1) IF18-D4S-2SHY6 IP60 IE6er 180mm (6 x 2) IF1A-A1-2SHR8 IP60 IE6er 130mm (12 x 2) IF1A-D1-2SHR8 IP64 IE6er 130mm (12 x 1) IF18-B3S-2SHR6 IP64 IE6er 130mm (12 x 1) IF18-D3S-2SHR6 IP64 IE6er 130mm (12 x 1) IF18-D4S-2SHR6 IP64 IE6er 130mm (12 x 1) IF18-D4S-2SHR6 IP64 IE6er II66er 110mm (6 x 1) IF18-D4S-2SHR6 IP64 IE6er II66er II6					300mm (12 x 2)	LF1A-D1-2SHY8
Yellow (Dominant Wavelength: 590nm) IP54 Clear 330mm (12 x 1) LF1B-C3S-2SHY6 134mm (3 x 1) LF1B-D3S-2SHY6 134mm (3 x 1) LF1B-A4S-2SHY6 210mm (6 x 1) LF1B-A4S-2SHY6 130mm (12 x 1) LF1B-A4S-2SHY6 300mm (12 x 1) LF1B-A4S-2SHY6 130mm (12 x 1) LF1B-A4S-2SHY6 300mm (12 x 1) LF1B-A4S-2SHY6 130mm (12 x 1) LF1B-A4S-2SHY6 300mm (12 x 1) LF1B-A4S-2SHY6 120mm (6 x 1) LF1B-A4S-2SHY6 1940 Clear 180mm (6 x 2) LF1A-A1-2SHR8 1940 Clear 180mm (6 x 2) LF1A-A1-2SHR8 1940 Clear 180mm (6 x 2) LF1A-B1-2SHR8 1940 Clear 100mm (12 x 2) LF1A-B1-2SHR8 1940 LClear 134mm (3 x 1) LF1B-A3S-2SHR6 1954 Jamm (3 x 1) LF1B-A3S-2SHR6 100mm (12 x 1) LF1B-A3S-2SHR6 1954 HP64 134mm (3 x 1) LF1B-A4S-2SHR6 100mm (6 x 1) LF1B-A4S-2SHR6 1954 White 134mm (3 x 1) LF1B-A4S-2SHR6 100mm (6 x 1)<	20 20 2			Clear	134mm (3 x 1)	LF1B-A3S-2SHY6
Yellow (Dominant Wavelength: 590nm) IP54 IP56 IP56					210mm (6 x 1)	LF1B-B3S-2SHY6
Yellow IP54 134mm (3 x 1) IF1B-A4S-2SHY6 210mm (6 x 1) IF1B-B4S-2SHY6 30mm (12 x 1) IF1B-C4S-2SHY6 30mm (12 x 1) IF1B-C4S-2SHY6 30mm (12 x 1) IF1B-C4S-2SHY6 580mm (24 x 1) IF1B-C4S-2SHY6 180mm (6 x 2) IF1A-A1-2SHR8 IP40 Clear 180mm (6 x 2) IF1A-A1-2SHR8 300m (12 x 2) IF1A-D1-2SHR8 190mm (12 x 2) IF1A-D1-2SHR8 IP40 Clear 134mm (3 x 1) IF1B-A3S-2SHR6 300mm (12 x 2) IF1A-D1-2SHR8 130mm (12 x 1) IF1B-A3S-2SHR6 IP54 IP54 IP64 100mm (6 x 1) IF1B-A3S-2SHR6 IP54 IP54 IP54 IP54 IP18-03S-2SHR6 IP54 IP54 IP54 IP18-03S-2SHR6 IP18-03S-2SHR6 IP54 IP54 IP54 IP18-04S-2SHR6 IP18-04S-2SHR6 IP54 IP54 IP18-04S-2SHR6 IP18-04S-2SHR6 IP18-04S-2SHR6 IP54 IP54 IP18-04S-2SHR6 IP18-04S-2SHR6 IP18-04S-2SHR6 IP18-04S-2SHR6 I					330mm (12 x 1)	LF1B-C3S-2SHY6
Yellow 134mm (3 x 1) LF1B-A4S-2SHY6 (Dominant Wavelength: 590nm) White 210mm (6 x 1) LF1B-A4S-2SHY6 330mm (12 x 1) LF1B-D4S-2SHY6 330mm (12 x 1) LF1B-D4S-2SHY6 30mm (12 x 1) LF1B-D4S-2SHY6 120mm (6 x 1) LF1B-D4S-2SHY6 80mm (24 x 1) LF1B-D4S-2SHY6 120mm (3 x 2) LF1A-A1-2SHR8 180mm (6 x 2) LF1A-A1-2SHR8 180mm (6 x 2) LF1A-D1-2SHR8 190mm (12 x 2) LF1A-D1-2SHR8 100mm (12 x 2) LF1A-D1-2SHR8 190mm (12 x 1) LF1B-A3S-2SHR6 100mm (6 x 1) LF1B-A3S-2SHR6 190mm (24 x 1) LF1B-D3S-2SHR6 100mm (24 x 1) LF1B-D3S-2SHR6 190mm (24 x 1) LF1B-D3S-2SHR6 100mm (24 x 1) LF1B-D3S-2SHR6 190mm (24 x 1) LF1B-D3S-2SHR6 100mm (6 x 1) LF1B-D3S-2SHR6 190mm (24 x 1) LF1B-D3S-2SHR6 100mm (6 x 1) LF1B-D3S-2SHR6 100mm (6 x 1) LF1B-B4S-2SHR6 100mm (6 x 1) LF1B-B4S-2SHR6 100mm (6 x 1) LF1B-B4S-2SHR6 300mm (12 x 1) LF1B-C4S-2SHR6					580mm (24 x 1)	LF1B-D3S-2SHY6
Red (Dominant Wavelength: 625nm) Participation EFB-64S-2SHY6 210mm (6 x 1) EFB-64S-2SHY6 330mm (12 x 1) EFB-64S-2SHY6 300mm (12 x 2) EF1A-A1-2SHR8 300mm (12 x 2) EF1A-D1-2SHR8 300mm (12 x 2) EF1A-D1-2SHR8 300mm (12 x 2) EF1A-D1-2SHR8 300mm (12 x 2) EF1B-64S-2SHR6 300mm (12 x 1) EF1B-64S-2SHR6 30			1204		134mm (3 x 1)	LF1B-A4S-2SHY6
Red (Dominant Wavelength: 625nm) IP40	(Dominant Wavelength: 590nm)			\\/bita	210mm (6 x 1)	LF1B-B4S-2SHY6
Red (Dominant Wavelength: 625nm) IP40 Lear 120mm (3 x 2) LF1A-A1-2SHR8 180mm (6 x 2) LF1A-B1-2SHR8 300mm (12 x 2) LF1A-D1-2SHR8 180mm (6 x 1) LF1B-A3S-2SHR6 210mm (6 x 1) LF1B-A3S-2SHR6 180mm (12 x 1) LF1B-C3S-2SHR6 300mm (12 x 1) LF1B-C3S-2SHR6 180mm (24 x 1) LF1B-C3S-2SHR6 130mm (24 x 1) LF1B-C3S-2SHR6 180mm (24 x 1) LF1B-C3S-2SHR6 130mm (24 x 1) LF1B-C3S-2SHR6 180mm (24 x 1) LF1B-C4S-2SHR6 10mm (6 x 1) LF1B-C4S-2SHR6 180mm (24 x 1) LF1B-C4S-2SHR6 10mm (6 x 1) LF1B-C4S-2SHR6				vvnite	330mm (12 x 1)	LF1B-C4S-2SHY6
IP40 Clear 180mm (6 x 2) LF1A-B1-2SHR8 300mm (12 x 2) LF1A-D1-2SHR8 300mm (12 x 2) LF1A-D1-2SHR8 Image: Im					580mm (24 x 1)	LF1B-D4S-2SHY6
Red (Dominant Wavelength: 625nm) Image: Clear 300mm (12 x 2) LF1A-D1-2SHR8 134mm (3 x 1) LF1B-A3S-2SHR6 134mm (3 x 1) LF1B-A3S-2SHR6 100mm (6 x 1) LF1B-C3S-2SHR6 330mm (12 x 1) LF1B-C3S-2SHR6 184mm (3 x 1) LF1B-D3S-2SHR6 100mm (6 x 1) LF1B-D3S-2SHR6 1954 134mm (3 x 1) LF1B-D3S-2SHR6 100mm (6 x 1) LF1B-D3S-2SHR6 1954 134mm (3 x 1) LF1B-D3S-2SHR6 100mm (6 x 1) LF1B-D3S-2SHR6 100mm (6 x 1) LF1B-A4S-2SHR6 100mm (6 x 1) LF1B-A4S-2SHR6 300mm (12 x 1) LF1B-C4S-2SHR6 100mm (6 x 1) LF1B-C4S-2SHR6					120mm (3 x 2)	LF1A-A1-2SHR8
Red (Dominant Wavelength: 625nm) IP54 134mm (3 x 1) LF1B-A3S-2SHR6 130mm (12 x 1) LF1B-B3S-2SHR6 130mm (12 x 1) LF1B-C3S-2SHR6 180mm (24 x 1) LF1B-C3S-2SHR6 180mm (24 x 1) LF1B-D3S-2SHR6 134mm (3 x 1) LF1B-D3S-2SHR6 134mm (3 x 1) LF1B-D3S-2SHR6 134mm (3 x 1) LF1B-D3S-2SHR6 134mm (3 x 1) LF1B-D3S-2SHR6 134mm (3 x 1) LF1B-A4S-2SHR6 134mm (3 x 1) LF1B-B4S-2SHR6 300mm (12 x 1) LF1B-B4S-2SHR6 130mm (12 x 1) LF1B-C4S-2SHR6			IP40	Clear	180mm (6 x 2)	LF1A-B1-2SHR8
Red (Dominant Wavelength: 625nm) IP54 210mm (6 x 1) LF1B-B3S-2SHR6 330mm (12 x 1) LF1B-C3S-2SHR6 580mm (24 x 1) LF1B-D3S-2SHR6 134mm (3 x 1) LF1B-A4S-2SHR6 210mm (6 x 1) LF1B-A4S-2SHR6 330mm (12 x 1) LF1B-A4S-2SHR6 330mm (12 x 1) LF1B-A4S-2SHR6 330mm (12 x 1) LF1B-B4S-2SHR6					300mm (12 x 2)	LF1A-D1-2SHR8
Red (Dominant Wavelength: 625nm) IP54 Clear 330mm (12 x 1) LF1B-C3S-2SHR6 134mm (3 x 1) LF1B-D3S-2SHR6 134mm (3 x 1) LF1B-A4S-2SHR6 210mm (6 x 1) LF1B-B4S-2SHR6 330mm (12 x 1) LF1B-C4S-2SHR6	- International Annual Provide				134mm (3 x 1)	LF1B-A3S-2SHR6
Red (Dominant Wavelength: 625nm) IP54 Image: Figure 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1				Clear	210mm (6 x 1)	LF1B-B3S-2SHR6
Red (Dominant Wavelength: 625nm) IP54 134mm (3 x 1) LF1B-A4S-2SHR6 210mm (6 x 1) LF1B-B4S-2SHR6 330mm (12 x 1) LF1B-C4S-2SHR6				Gledi	330mm (12 x 1)	LF1B-C3S-2SHR6
Hed (Dominant Wavelength: 625nm) 134mm (3 x 1) LF1B-A4S-2SHR6 210mm (6 x 1) LF1B-B4S-2SHR6 330mm (12 x 1) LF1B-C4S-2SHR6					580mm (24 x 1)	LF1B-D3S-2SHR6
White 210mm (6 x 1) LF1B-B4S-2SHR6 330mm (12 x 1) LF1B-C4S-2SHR6			11:04		134mm (3 x 1)	LF1B-A4S-2SHR6
330mm (12 x 1) LF1B-C4S-2SHR6	(Dominant wavelength: 625nm)			W/bito	210mm (6 x 1)	LF1B-B4S-2SHR6
				WIIIIG	330mm (12 x 1)	LF1B-C4S-2SHR6
580mm (24 x 1) LF1B-D4S-2SHR6					580mm (24 x 1)	LF1B-D4S-2SHR6

*To order LF1D installed with:

- Cable gland, mounting bracket and cable (side connection), add "-A" to the part number. Eg: LF1D-F2F-2W becomes LF1D-F2F-2W-A.
- Back cable connection option, add "-200" to the part number. Eg: LF1D-F2F-2W becomes LF1D-F2F-2W-200.

• Cable gland, mounting bracket and cable (back connection) add "-451" to the part number. Eg: LF1D-F2F-2W-451.

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Accessories

	Part No.	Compatible Unit	Material	Note	
	Mounting Bracket LF9Z-1MB1	LF1B-A, -B and -C (-D not applicable)			
	Mounting Bracket LF9Z-1MA1	LF1A-A, -B and -D			
A A	Mounting Bracket LF9Z-1MAD1	LF1A-D2F	Stainless Steel	1 pair Left and Right	
marks.	Mounting Bracket LF9Z-B12	LF1D (Wide Type)			
	Mounting Bracket LF9Z-B11	LF1D (Slim Type)			
0.40	Cable Gland LF9Z-A11	LF1D	Brass	M8, applicable wire size (10-12 AWG)	
	Cable LF9Z-C05	LF1D	PVC	Length: 5m	

Support Information

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

Technical support: support@IDEC.com

800-262-IDEC www.IDEC.com/usa

DEC Think Automation and beyond...

USA IDEC Corporation Tel: (408) 747-0550 opencontact@IDEC.com

Japan

IDEC Corporation

Tel: +81-6-6398-2571

United Kingdom

IDEC Electronics Ltd.

Tel: +44-1256-321000

sales@uk.IDEC.com

products@IDEC.co.jp

Canada IDEC Canada Ltd. Tel: (905) 890-8561 sales@ca.IDEC.com

Australia IDEC Australia Pty. Ltd. Tel: +61-3-9763-3244 sales@au.IDEC.com

www.IDEC.com

Germany IDEC Elektrotechnik GmbH Tel: +49-40-253054-0 service@IDEC.de

Hong Kong IDEC (H.K.) Co., Ltd. Tel: +852-2803-8989 info@hk.IDEC.com China/Beijing IDEC (Beijing) Corporation Tel: +86-10-6581-6131 idec@cn.IDEC.com

China/Shanghai IDEC (Shanghai) Corporation Tel: +86-21-5353-1000 idec@cn.IDEC.com China/Shenzhen IDEC (Shenzhen) Corporation Tel: +86-755-8356-2977

FSC registration

Singapore IDEC Asia Pte. Ltd. Tel: +65-6746-1155 info@sg.IDEC.com

Taiwan IDEC Taiwan Corporation Tel: +886-2-2698-3929 service@tw.IDEC.com

Catalog No. LF9Y-B100-0 5/09 15K Specifications and other descriptions in this catalog are subject to change without notice.

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mhtmlmain:

 Phone:
 817-595-8572 (77572)

 Fax:
 817-595-6470 (77470)

 Web:
 http://www.alliedelec.com

Please consider the environment before printing this email

From: Juanita Westover [mailto:juanita@idec.com]
Sent: Wednesday, July 28, 2010 3:13 PM
To: Kent Kern
Cc: Tomoko Okada Noya; Mike Suzuki; Vishal Kalia
Subject: Re: Allied catalog page 891 &1249

Hi Kent,

According to our Product Manager that accessory originally was thought not to work with the LF1B-D models, but when we tested it, it does work so we don't need the note (actually the † should also be removed from the table as well.

Thanks,

Juanita

Juanita Westover IDEC Corporation Marketing Communication Department Ph: 408-745-5257 Fax: 408-745-5258 www.idec.com

Think Automation and beyond ...

On Jul 28, 2010, at 12:39 PM, Kent Kern wrote:

mhtmlmain:

7/28/10 4:27 PM

Page 2 of 6

mhtmlmain:

Juanita,

7/28/10 4:27 PM

Was wondering why you are removing that footnote? Because that was taken direct from you spec sheet.

Kent Kern Product Manager Allied Electronics

Kent Kern Allied Electronics Product Manager Ft. Worth, TX

 Phone:
 817-595-8572 (77572)

 Fax:
 817-595-6470 (77470)

 Web:
 http://www.alliedelec.com

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From: Juanita Westover [mailto:juanita@idec.com] Sent: Wednesday, July 28, 2010 11:50 AM To: Kent Kern Cc: Tomoko Okada Noya; Mike Suzuki; Vishal Kalia Subject: Re: Allied catalog page 891 &1249

Hi Kent,

mhtmlmain:

Page 3 of 6

LED Lights

LED Spider Lights

Stock No.	Mfr.'s Type	Lens Shape	Lens Color	EACH
14.1228 814-1229 814-1230 814-1231 814-1231 814-1233 814-1233 814-1233 814-1235 814-1235 814-1235 814-1238 814-1238 814-1240 814-1241 814-1243	туре LH1D-D2HQ4C10-A LH1D-D2HQ4C10-G LH1D-D2HQ4C10-G LH1D-D2HQ4C10-RG LH1D-D2HQ4C10-PW LH1D-D2HQ4C10-PW LH1D-D2HQ4C10-W LH1D-D2HQ4C10-A LH1D-D2HQ4C10-A LH1D-H2HQ4C10-RG LH1D-H2HQ4C10-FW LH1D-H2HQ4C10-S LH1D-H2HQ4C10-S LH1D-H2HQ4C10-S LH1D-H2HQ4C10-S LH1D-H2HQ4C10-S	Dome Dome Dome Dome Dome Dome Dome Flat Flat Flat Flat Flat Flat Flat Flat	Amber Green Alt: Red-Green Cool White Red Blue Warm White Yellow Amber Green Alt: Red-Green Cool White Red Blue Warm White Yellow	$\begin{array}{c} 60.00\\ 60.00\\ 70.00\\ 60.00\\ 60.00\\ 60.00\\ 60.00\\ 65.00\\ 65.00\\ 65.00\\ 65.00\\ 65.00\\ 65.00\\ 65.00\\ 65.00\\ 65.00\\ 65.00\\ 65.00\\ \end{array}$

LH1D-D2HQ4C10-A	LH1D-H2HQ4C10-G
 Direct Screw Mounting on Panel Surfaces, Aluminu. Slim Design Well Suited for Installation in Small Sp 1 m Wiring Cable Standard. 3 m and 5 m Cables Av 24 VAC/VDC and IP67 (IEC60529) Rated 	aces

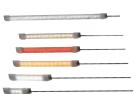
- Excellent Visibility from the Front and Side Legends and Symbols Can Be Printed on Marking Film for Flat Type Red/Green Two-Color Alternate Illumination Available

NEMA Type 4X

LF1B Series (IP54)

Brightness: 62.5 Lumens/Watt

Long life: 70% of initial luminance at 40,000 Hrs Space Savings: Width 27.5 mm, Thickness 16 mm UL Listed



IDEC

LED Machine Lights

LF1A Series (IP40)

LF1A-A1-2SHR8



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LF1A-B1-2TLWW6



LF1A-B1-2SHY8

Brightness: 66.6 Lumens/Watt Long Life: 40,000 Hrs. (Half Life) 2

LF1A-D1-2THWW6

Energy Savings: 1/3 of Fluorescent Lamps UL Listed

Stock No.	Mfr.'s Type	Length (mm)	LED	Power Rating (W) @ 24 VDC	Color	EACH
814-1176 814-1177 814-1175 814-1175 814-1178 814-1180 814-1181 814-1184 814-1184 814-1183 814-1183 814-1183	LF1A-A1-2THWW6 LF1A-A1-2TLWW6 LF1A-A1-2SHY8 LF1A-A1-2SHY8 LF1A-B1-2THWW6 LF1A-B1-2THWW6 LF1A-B1-2THWW6 LF1A-B1-2SHR8 LF1A-D1-2THWW6 LF1A-D1-2THWW6 LF1A-D1-2SHY8 LF1A-D1-2SHY8	120 120 120 180 180 180 180 300 300 300 300 300	$\begin{array}{c} 3\times2 \ {\rm rows} \\ 6\times2 \ {\rm rows} \\ 6\times2 \ {\rm rows} \\ 6\times2 \ {\rm rows} \\ 12\times2 \ {\rm rows} \end{array}$	1.8 1.8 2.2 3.6 3.6 4.4 7.2 7.2 8.7 8.7	Cool White Warm White Yellow Red Cool White Warm White Yellow Red Warm White Yellow Red	180.00 180.00 180.00 260.00 260.00 260.00 260.00 390.00 390.00 390.00 390.00

LF1A-D2F Series (IP67f)*



814-1186	LF1A-D2F-2THWW6	247	8 × 3 rows	7.2	Cool White	650.00	
*I F1A-D2E is not III Listed							

Accessories (LF1A, LF1B and LF1D Series)

Stock No.	Mfr.'s Type	Description	EACH
814-1195	LF9Z-1MA1*	Mounting Bracket — LF1A Series	47.00
814-1196	LF9Z-1MAD1*	Mounting Bracket — LF1A-D2F Series	55.00
814-1197	LF9Z-1MB1*	Mounting Bracket — LF1B Series†	39.00
814-1319	LF9Z-B11*	Mounting Bracket — LF1D Series Slim Type (10 × 1)	15.00
814-1320	LF9Z-B12*	Mounting Bracket — LF1D Series Wide Type (7 × 2)	15.00
814-1321	LF9Z-C05	Cable — LF1D Length 5 meters	30.00
814-1322	LF9Z-A11	Cable Gland M8 — LF1D Series	25.00

*Comes as a pair (Left and Right), †Not applicable for LF1B-D.





Brightness - Slim: 66.6 Lumens/Watt, Wide: 67.2

Lumens/Watt Life: 70% of Initial Luminance at 50,000 Hrs



LF1D-F2F-2W

- IP67 (Polycarbonate Lens) or IP67f (Reinforced Glass ►
 - Lens) Type 4/4X/13 Rated (Rated for Wet Locations Also)

Stock No.	Mfr.'s Type	Length (mm)	LED	Power Rating (W) @ 24 VDC	Color	EACH
814-1307 814-1308 814-1309 814-1310 814-1315 814-1316 814-1317 814-1318	LF1D-E3G-2W LF1D-E3G-2W-200 LF1D-E3G-2W-A LF1D-E3G-2W-451 LF1D-F3G-2W LF1D-F3G-2W-200 LF1D-F3G-2W-A LF1D-F3G-2W-A LF1D-F3G-2W-451	350 350 390 270 270 310 310	$10 \times 1 row$ $10 \times 1 row$ $10 \times 1 row$ $10 \times 1 row$ $7 \times 2 rows$ $7 \times 2 rows$ $7 \times 2 rows$ $7 \times 2 rows$	9.0 9.0 9.0 12.5 12.5 12.5 12.5	Cool White Cool White Cool White Cool White Cool White Cool White Cool White Cool White	395.00 395.00 465.00 465.00 495.00 495.00 565.00 565.00

LF1D Series (IP67f)

814-1303 814-1304 814-1305 814-1306 814-1311	LF1D-E2F-2W LF1D-E2F-2W-200 LF1D-E2F-2W-A LF1D-E2F-2W-451 LF1D-F2F-2W	350 350 390 390 270	$10 \times 1 \text{ row}$ $10 \times 1 \text{ row}$ $10 \times 1 \text{ row}$ $10 \times 1 \text{ row}$ $7 \times 2 \text{ rows}$	9.0 9.0 9.0 9.0 12.5	Cool White Cool White Cool White Cool White Cool White	395.00 395.00 465.00 465.00 495.00
814-1312 814-1313 814-1314	LF1D-F2F-2W-200 LF1D-F2F-2W-A LF1D-F2F-2W-A LF1D-F2F-2W-451	270 310 310	$7 \times 2 \text{ rows}$ $7 \times 2 \text{ rows}$ $7 \times 2 \text{ rows}$ $7 \times 2 \text{ rows}$	12.5 12.5 12.5 12.5	Cool White Cool White Cool White	495.00 565.00 565.00



LF1D Series (IP67)



