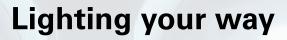


Think Automation and beyond...



**IDEC LUMIFA** LED Illumination for Industrial Automation

# LUMIFA



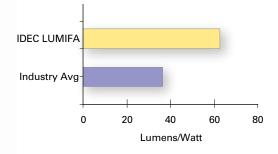
For over two decades, IDEC has been producing LEDs for applications requiring indicator lights and signaling towers. In 1999, IDEC received an award for Excellence in Energy Conservation Equipment for LED display development. Now, new LUMIFA LED light strips represent the future of brighter, longer-lasting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

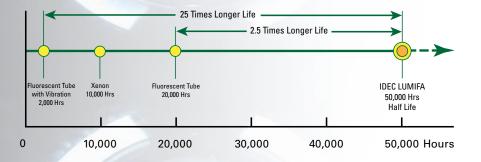
- Bright: 65.3 Lumens/Watt (LUMIFA Series average)
- Long Lasting: 70% of Initial Luminance at 50,000 Hrs
- Efficient: 1/3 the energy of Fluorescent Tubes
- Compact: Width as narrow as 27.5mm
- Safe: RoHS Compliant, IP67f degree of protection (dust, water and oil tight)
- Variety of Colors: Cool White,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

2

## **Brightest in the Industry**

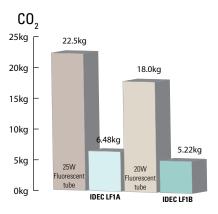
Our innovative Heat Dissipation Technology integrated with our core LED design enables IDEC LUMIFA light strips to emit only the highest quality light. The LUMIFA series is brightest in the industry, producing an average of 65.3 Lumens/Watt.





# **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				

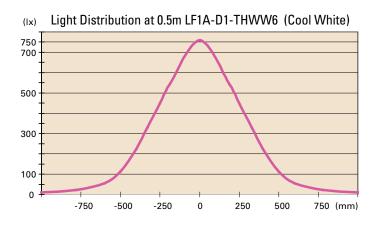
#### LF1A Series LED Optical Specifications

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

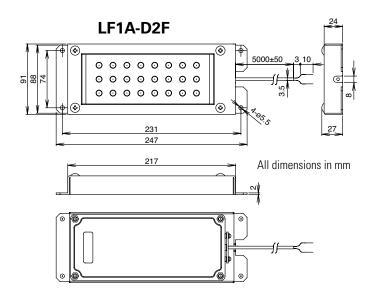


## LF1A-D2F Series (IP67f)

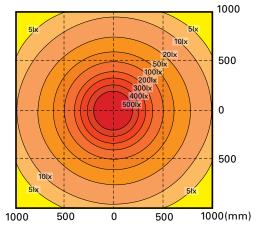


An internal waterproof gasket and transparent panel with thick reinforced glass make LF1A-D2F LED light strips perfect for use in a manufacturing line or outdoors where they might be immersed or sprayed with water or oil. These light strips are IP67f rated as water, dust and oil resistant.

Note: LF1A-D2F is not UL Listed



Illuminance Chart LF1A-D1-2THWW6



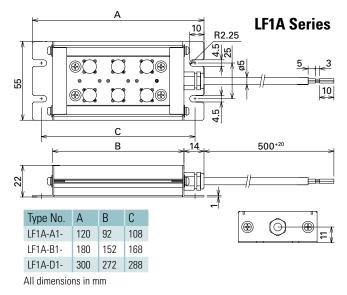
#### LF1A-D2F LED Optical Specifications

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

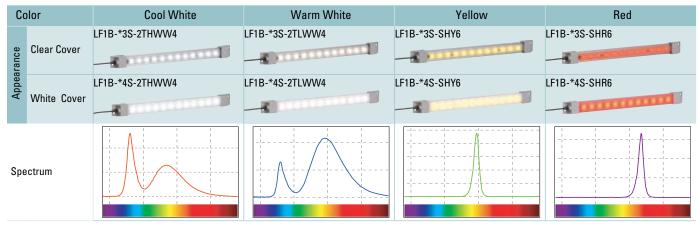
# LF1B Series (IP54)

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

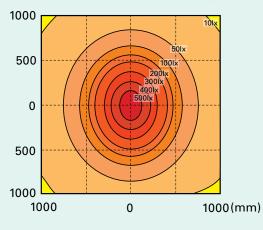
Color		Cool White	Warm White	Yellow	Red
Luminous Intensity (Single LED module)		5000mcd	4500mcd	2300mcd	1800mcd
Color Temperature /Dominant Wavelength		5500K	2800K	590nm	625nm
	LED Array 3 x 1	901x	60Ix	201x	201x
Reference Illuminance at	LED Array 6 x 1	170lx	110lx	401x	401x
0.5m (clear cover)	LED Array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

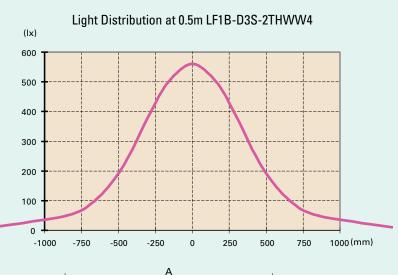
#### LF1B Series General Specifications

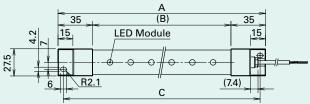
Part No.	LF1B-A (LED Array 3x1)	LF1B-B (LED Array 6x1)	LF1B-C (LED Array 12x1)	LF1B-D (LED Array 24x1)			
Rated Voltage		24V DC (non-polarized)					
Input Current (at the rated voltage)	30mA	60mA	120mA	240mA			
Rated Power (at the rated voltage)	0.8W	1.5W	2.9W	5.8W			
Vibration Resistance	Frequency: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

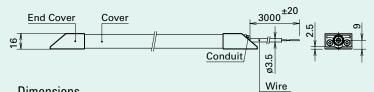
#### Illuminance Chart LF1B-D3S-2THWW4 (Cool White)











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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.

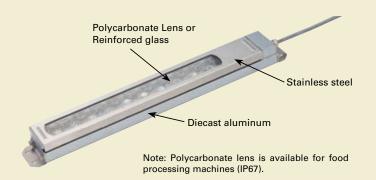
#### **LF1D General Specifications**

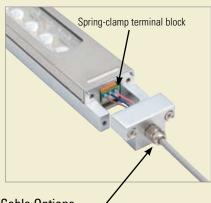
Туре	Slim	Wide		
Rated Voltage	24V DC			
Voltage Range	21.6 to 26.4V DC			
Rated Power (typ.)	9W	12.5W		
Dielectric Strength	1000V AC, 50/60Hz, 1 minute	)		
Vibration Resistance (damage limits)	Frequency 5 to 55Hz, amplitude 0.5mm			
Shock Resistance (damage limits)	1000m/s <sup>2</sup>			
Life (Note 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).





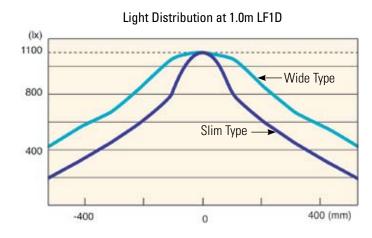


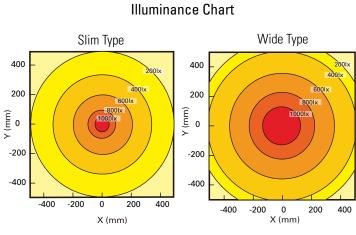
## Two Cable Options

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

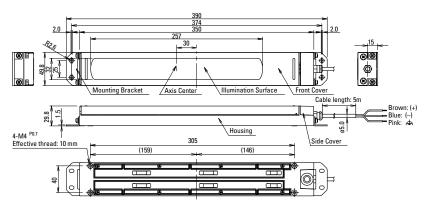
**Spring-Clamp Terminal Blocks** 

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.

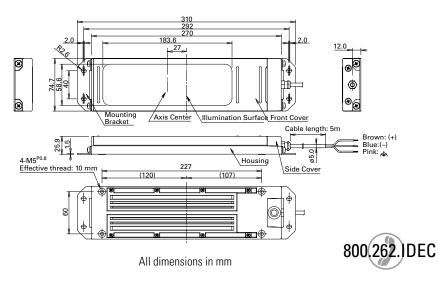




LF1D Slim Type







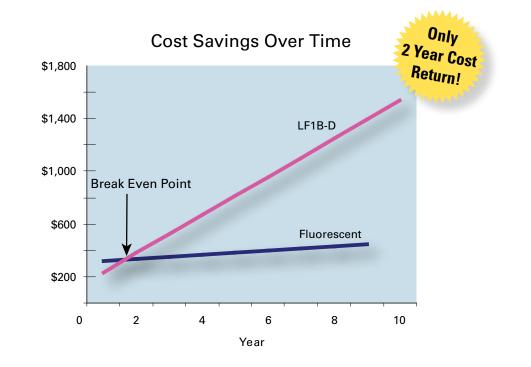




# **Cost Savings Over Time**

## **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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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 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 IP18-435-2TLWW4 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*
Image: Addition of the state					390mm (10 x 1)	LF1D-E2F-2W*
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Yeir of the second se					120mm (3 x 2)	LF1A-A1-2TLWW6
Yearn white (color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)           Yearn white (color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)           Yebiov         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)           Yebiov         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)           Yebiov         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)           Yebiov         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)           Yebiov         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)           Yebiov         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)           Yebiov         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)         Image: Color Temp. 2800k)           Yebiov         Image: Color Temp. 2800k)         Image: Color T			IP40	Clear	180mm (6 x 2)	LF1A-B1-2TLWW6
Warn white (color Temp: 2800k)P64Clear210mm (6 x 1)LF1B-283-2TLWW430mm (12 x 1)LF1B-305-2TLWW4400m (24 x 1)LF1B-305-2TLWW4414m (3 x 1)LF1B-484-2TLWW4300m (12 x 1)LF1B-484-2TLWW4400m (6 x 2)LF1A-H1-2SHY8300m (12 x 2)LF1A-H1-2SHY8300m (12 x 2)LF1A-H1-2SHY8400m (6 x 1)LF1B-835-2SHY6300m (12 x 1)LF1B-835-2SHR6300m (12 x 1)LF1B-835-2SHR6300m (12 x 2)LF1A-1-2SHR8300m (12 x 1)LF1B-835-2SHR6300m (12 x 1) <td rowspan="4"></td> <td></td> <td></td> <td></td> <td>300mm (12 x 2)</td> <td>LF1A-D1-2TLWW6</td>					300mm (12 x 2)	LF1A-D1-2TLWW6
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-2SHY6Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64Ip64			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.

Downloaded from Elcodis.com electronic components distributor

## 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...

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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

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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

Please consider the environment before printing this email

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
<ul> <li>Direct Screw Mounting on Panel Surfaces, Aluminu.</li> <li>Slim Design Well Suited for Installation in Small Sp</li> <li>1 m Wiring Cable Standard. 3 m and 5 m Cables Av</li> <li>24 VAC/VDC and IP67 (IEC60529) Rated</li> </ul>	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)



