



Announcement

November 2022

Product discontinuation: **LF1D-H and LF1D-J long model LED illumination units**

IDEC would like to inform you that our LF1D-H and LF1D-J long model LED illumination units are discontinued.

1. Products discontinued and recommended replacements:

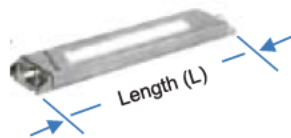
LF1D-H and LF1D-J long model LED illumination units: All products (8 items)

Recommended replacements: LF3D series LED illumination units



Products to be discontinued				Recommended replacements			
Model	Part number	Cable location	Cable length	Model	Part number	Cable location	Cable/connector
LF1D-H Surface mount (L=365)*	LF1D-H2F-2N-350	Side	5m	LF3D Surface mount (L=310)*	LF3D-SB1S05M	Side	5m cable
	LF1D-H2F-2N-3B0		1.5m + M12 connector		LF3D-SB1S2		M8 connector
	LF1D-H2F-2N-450	Back	5m		LF3D-SB1B1	Back	M12 connector
	LF1D-H2F-2N-4B0		1.5m + M12 connector				
LF1D-J Surface mount (L=510)*	LF1D-J2F-2N-350	Side	5m		LF3D-SB1S05M	Side	5m cable
	LF1D-J2F-2N-3B0		1.5m + M12 connector		LF3D-SB1S2		M12 connector
	LF1D-J2F-2N-450	Back	5m		LF3D-SB1B1	Back	M12 connector
	LF1D-J2F-2N-4B0		1.5m + M12 connector				

*L: Product length:



3. Schedule

- LF1D-H, LF1D-J series discontinued immediately

List of models for replacement LF1D-H / LF1D-J to LF3D

[No.21-SM095 attachment]

NO.	Products to be discontinued								Recommended replacements							
	Type	Model	Shape	Illumination Surface	Cable location	Cable length	Size	Part NO.	Part NO.	Shape	Illumination Surface	Light Distribution	Connection direction	Cable / Connector	Accessories(Cable)	Size
1	Long	LF1D-H	Surface mount	Reinforced glass	Side	5m		LF1D-H2F-2N-350	LF3D-SB1S05M	Surface mount	Reinforced glass	Diffused	Side	5M cable		
2	Long	LF1D-H	Surface mount	Reinforced glass	Side	1.5m + M12 connector	84Wx365Lx25H	LF1D-H2F-2N-3B0	LF3D-SB1S2	Surface mount	Reinforced glass	Diffused	Side	M8 connector	M8 to M12 Connect supplied by customer	
3	Long	LF1D-H	Surface mount	Reinforced glass	Back	5m		LF1D-H2F-2N-450	LF3D-SB1B1	Surface mount	Reinforced glass	Diffused	Rear	M12 connector	LF9Z-CM13 (3M cable)	
4	Long	LF1D-H	Surface mount	Reinforced glass	Back	1.5m + M12 connector		LF1D-H2F-2N-4B0	LF3D-SB1B1	Surface mount	Reinforced glass	Diffused	Rear	M12 connector		56Wx310Lx18H
5	Long	LF1D-J	Surface mount	Reinforced glass	Side	5m		LF1D-J2F-2N-350	LF3D-SB1S05M	Surface mount	Reinforced glass	Diffused	Side	5M cable		
6	Long	LF1D-J	Surface mount	Reinforced glass	Side	1.5m + M12 connector	84Wx510Lx25H	LF1D-J2F-2N-3B0	LF3D-SB1S2	Surface mount	Reinforced glass	Diffused	Side	M8 connector	M8 to M12 Connect supplied by customer	
7	Long	LF1D-J	Surface mount	Reinforced glass	Back	5m		LF1D-J2F-2N-450	LF3D-SB1B1	Surface mount	Reinforced glass	Diffused	Rear	M12 connector	LF9Z-CM13 (3M cable)	
8	Long	LF1D-J	Surface mount	Reinforced glass	Back	1.5m + M12 connector		LF1D-J2F-2N-4B0	LF3D-SB1B1	Surface mount	Reinforced glass	Diffused	Rear	M12 connector		

Specification comparison LF1D-H / LF1D-J to LF3D

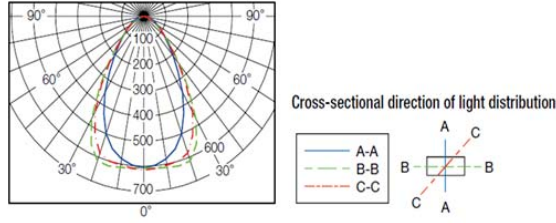
[No 21-SM095 attachment]

Model	LF3D	LF1D-H / LF1D-J
Type	Uniform light source (Slim)	Long
Rated voltage	DC24V	DC24V
Operating voltage range	21.6 to 26.4V DC	21.6 to 26.4V DC
Rated Power (typ.) (at rated voltage)	9.2W	LF1D-H : 18.4W LF1D-J : 27.6W
Illumination color	Cool white	Neutral white
Color temp. (typ.)	5700K	4700K
Luminous Flux (typ.)	1700 lm	LF1D-H : 2000 lm LF1D-J : 3000 lm
Reference Illuminance (typ.) at 1m	1000 lx(Diffused type)	LF1D-H : 560 lx LF1D-J : 840 lx
Insulation resistance	100MΩ minimum (500V DC megger)	100MΩ minimum (500V DC megger)
Dielectric strength	1000V AC, 50/60Hz, 1 minute	1000V AC, 50/60Hz, 1 minute
Vibration resistance (damage limits)	Frequency 5 to 55Hz, amplitude 0.5mm	Frequency 5 to 55Hz, amplitude 0.5mm
Shock resistance (damage limits)	1000m/s ²	1000m/s ²
Operating temperature	-30 to +55°C (no freezing)	-30 to +55°C (no freezing)
Operating relative humidity	45 to 85%RH (no condensation)	45 to 85%RH (no condensation)
Storage temperature	-35 to +70°C (no freezing)	-35 to +70°C (no freezing)
Operating atmosphere	No corrosive gas	No corrosive gas
Light source life	50,000 hours (The illumination duration in which the brightness maintains a minimum of 70%) (Ta = 25°C, 45%RH max.)	50,000 hours (The illumination duration in which the brightness maintains a minimum of 70%) (Ta=25°C, 45%RH max.)
Degree of protection	IP65、IP67、IP67G、IP69K	IP67、IP67F、IP69K
Glare save mode (GS-Mode)	White wire (pin no.1) - open: 100% light on White wire (pin no.1) and brown wire (pin no. 2) - short-circuit: dim light	
Material (Main parts)	Main body: Aluminum Front cover (surface mount): Stainless steel Flange (recessed mount): Aluminum Side cover: Zinc die-cast (plating) Illumination part surface: Reinforced glass Gasket: NBR LF3D-SB1 : 680g	Main body: Aluminum Front cover (surface mount): Stainless steel Illumination part surface: Reinforced glass Gasket: NBR LF1D-H : 1200g

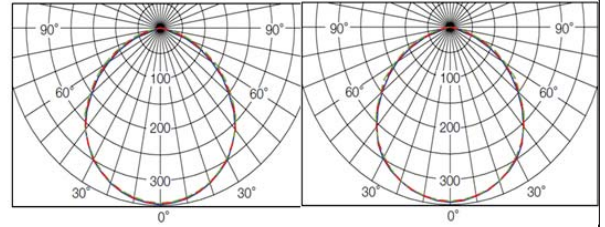
Weight (approx.)

Light Distribution Curve
(reference value)
(unit: cd/1000 lm)

Diffused type

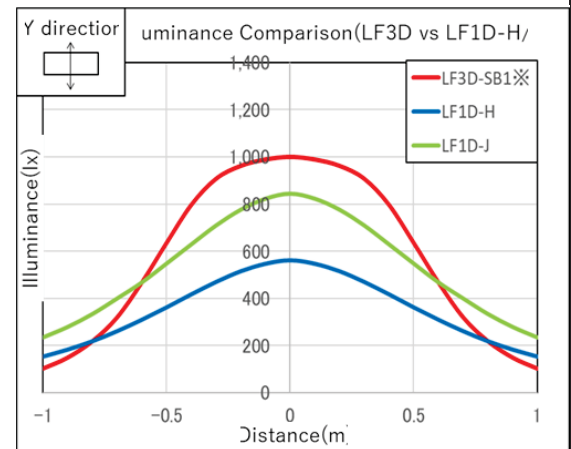
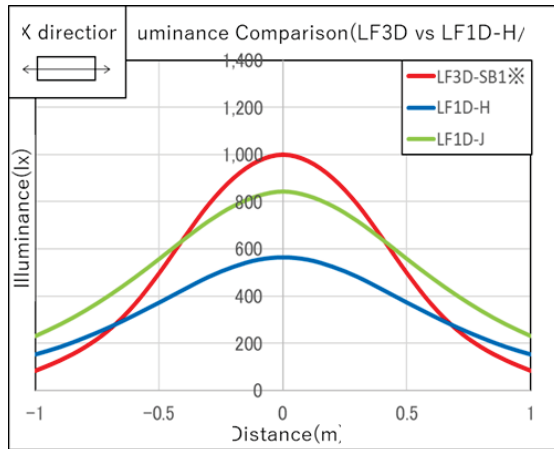


LF1D-J : 1600g
LF1D-H LF1D-J



LF3D : Diffused type

Reference Illuminance distribution chart
(at 1.0m)



Reference Wall irradiation



LF3D(Diffused type) LF1D-H LF1D-J

Model	Rated Power(W)	Luminous Flux(lm)	Efficiency(lm/W)	Efficiency ratio	(mm2)	Volume ratio	Weight(g)	Weight ratio
LF3D	9.2	1700	184.8	—	312,480	—	680	—
LF1D-H	18.4	2000	108.7	170%	766,500	41%	1200	57%
LF1D-J	27.6	3000	108.7	170%	1,071,000	29%	1600	43%