

Announcement

May 2022

Specification change: LF1A series LED illumination units

IDEC would like to inform you of a few specification changes regarding our LF1A series LED illumination units. Details are as follows:



1. Subject models

LF1A series LED illumination units: White and yellow products (incl. special products):

Part number (Length)	White	Yellow
LF1A-A1-* (120mm)	LF1A-A1-2THWW6	LF1A-A1-2SHY8
LF1A-B1-* (180mm)	LF1A-B1-2THWW6	LF1A-B1-2SHY8
LF1A-D1-* (300mm)	LF1A-D1-2THWW6	LF1A-D1-2SHY8

2. Modification details

New LED modules and diffuser board will be used so that brightness will be enhanced, multi-shadow effect will be eliminated, and weight will be reduced.

Accordingly, the appearance and specifications will be changed as follows.

- Appearance (e.g. LF1A-B1-* 180mm type)

	White	Yellow
Before change		
New		

- Color temperature / dominant wavelength

	Current		New	
	White	Yellow	Daylight (Note 1)	Yellow
Color temperature/ dominant wavelength	5500K	590nm	5700K	592nm

Note 1: The illumination color will be changed according to JIS standard.

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- Illuminous flux (typ.)
 “Illuminous intensity (single module)” will be changed to “Illuminous flux (typ.)” as the same as other series.

Illuminous intensity (single module)

Current	
White	Yellow
6000mcd	4000mcd



Illuminous flux (typ.)

Part number	Current (reference: calculated value)		New	
	Daylight	Yellow	Daylight	Yellow
LF1A-A1-*	95lm	55lm	130lm	55lm
LF1A-B1-*	190lm	110lm	260lm	110lm
LF1A-D1-*	380lm	220lm	520lm	220lm

- Input current and rated power

Part number	Current				New			
	Input current		Rated power		Input current		Rated power	
	White	Yellow	White	Yellow	Daylight	Yellow	Daylight	Yellow
LF1A-A1-*	55mA	75mA	1.3W	1.8W	50mA	90mA	1.2W	2.2W
LF1A-B1-*	110mA	150mA	2.6W	3.6W	100mA	180mA	2.4W	4.3W
LF1A-D1-*	220mA	300mA	5.5W	7.2W	200mA	360mA	4.8W	8.6W

- Reference illuminance (typ.) at 500mm

“Reference illuminance” written in our LF1A catalog/instruction sheets is the illuminance value right after the LED illumination units are turned on. Same as other series, we will change it to the illuminance value after it became stable.

Part number	Before change				New			
	Right after turned on		After stable		Right after turned on		After stable	
	White	Yellow	White	Yellow	Daylight	Yellow	Daylight	Yellow
LF1A-A1-*	160lx	100lx	160lx	75lx	210lx	105lx	210lx	100lx
LF1A-B1-*	320lx	205lx	320lx	155lx	420lx	220lx	420lx	195lx
LF1A-D1-*	645lx	415lx	645lx	310lx	855lx	515lx	840lx	390lx

- Weight (approx.)

Part number	Current		New	
	White	Yellow	Daylight	Yellow
LF1A-A1-*	190g	190g	160g	160g
LF1A-B1-*	270g	270g	220g	220g
LF1A-D1-*	470g	470g	345g	345g

Note: There is no other specification change.

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3. Schedule

Starting July 2021 (depending on our stock situation)

Note: Depending on our stock situation, current and new products may be mixed in the same shipment.

4. Part number and prices

No change

5. Identification

Modified products will have an identification letter “C” displayed near to the lot number on their product labels and product case labels.

