

dreamled



Dremled Lampi IP65 OUTDOOR

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Korkeatehoinen alasvalo, jossa 90-100lm/w. Valaisimen koko runko IP65. Myös liitántälaite täysin IP65. Laajalti sovellettavissa sisä- ja ulkovalaistukseen. Ketjutettavissa.

- 5 vuoden takuu
- Käyttöaika jopa 100,000 hours
- 90° avauskulma
- Ø95-100mm cutout
- CCT: 4000K
- ei UV/IR valoa
- ympäristölle ystävällinen, ei elohopeaa tai muita ympäristölle vaarallisia aineita

Sovellusohjeet

- IP65 vesitiivis, sisä- ja ulkokäyttöön
- Ainoastaan asennusluvat omaavan sähköasentajan toimesta asennettava.
- Kytkestävä jännitteettömänä
- Älä koske käytettäessä
- Ei kuumaa höyryä tai syövyttävien kaasujen läheisyyteen

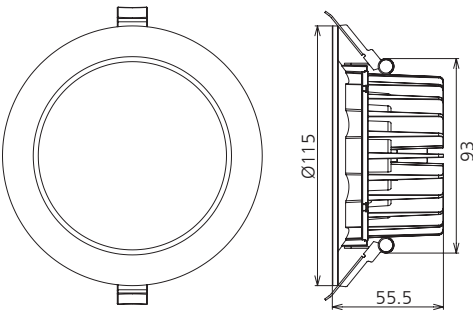
Asennuspaikat

Toimistot, terassit, kosteat tilat sisällä ja ulkona, sisä-asennukset, marketit, kaupat, koulut, hotellit jne. Myös laajasti käytävät, julkiset tilat, portaat ja vastaanotto yms.

CE RoHS



Product Information



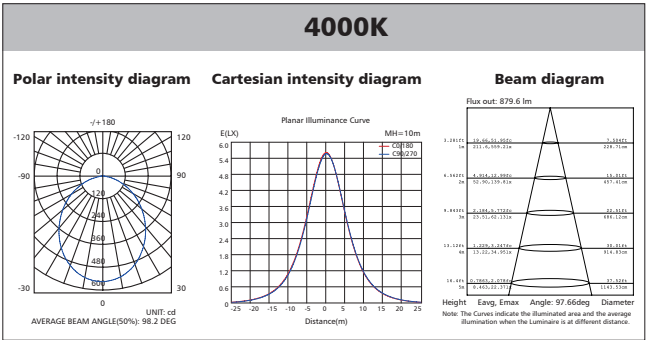
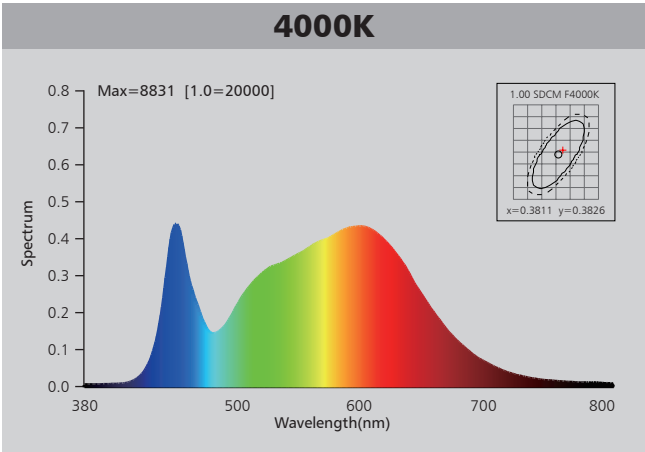
Technical Specifications

	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
	AC230V	6W	≥0.9	700	90°	4000K	40000h	≥80	No	Ø115*55.5mm cutout 95-100mm

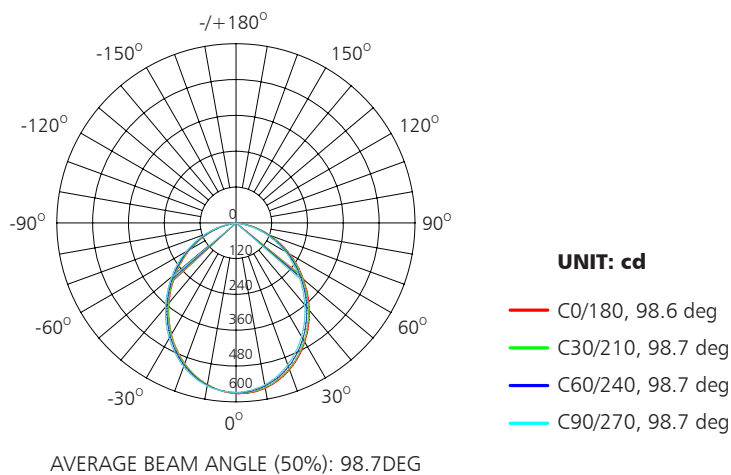
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
13W	II	IP65	-20°C~45°C	0~90%	-20°C~65°C

Spectral Distribution

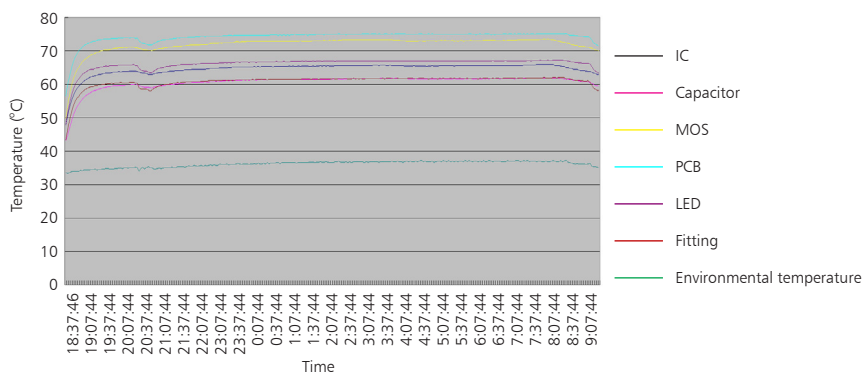


Polar Diagram Comparison



Temperature

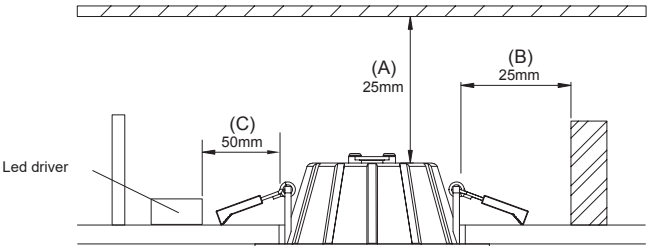
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



The driver lifespan is based on capacitor working temperature.

Installation

Install requirements	
A-gap above the fitting	25mm
B-gap to the building material	25mm
C-gap to the thermal insulation	50mm



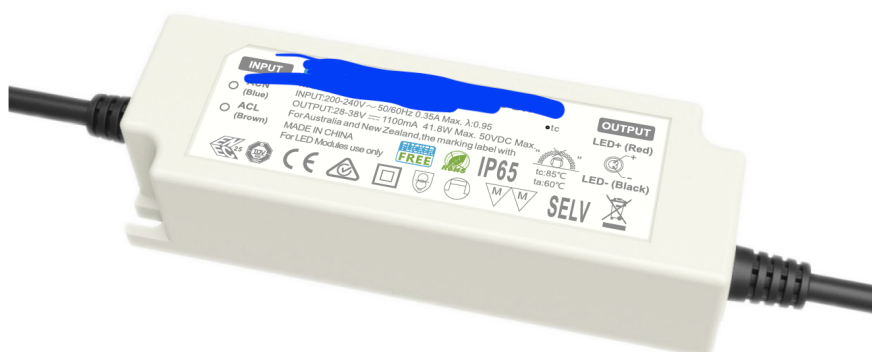
1. Open a hole according to the cutout size of led downlight.

2. Use screw-driver to open the driver terminal cover, feed the main AC wire L. N. in terminal block respectively, then fix the cover back.

3. Connect the downlight with driver, hold back the spring clip then push the downlight into the hole.

4. Make sure the downlight fixed tightly in ceiling, turn on the power (Fig 1).

IP65 liitäntälaite



Features

- Soft dimming and flicker-free at any brightness
- High PF, high efficiency, low THD
- SELV and Class II design, suitable for use outside of the light
- Passed ENEC-TUV,CE,RCM,CCC and other certifications
- IP65 protection grade, indoor or outdoor use is available
- Nominal life-time up to 100,000 h
- 5-year guarantee

Functions

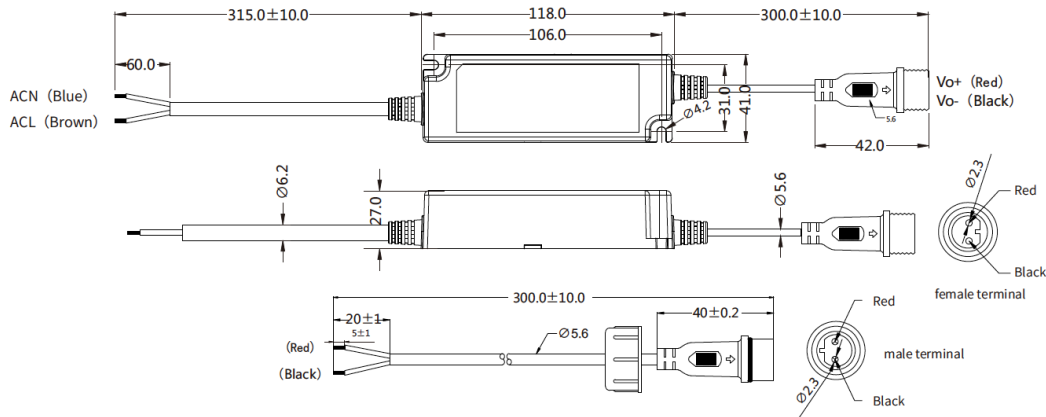
- Protective features
(short-circuit,no-load protection)

Suitable for lights

- Suitable for street lights,flood lights,high-bay lights, garden lights or other outdoor or humid environment lights
- Not suitable for lights with built-in drivers

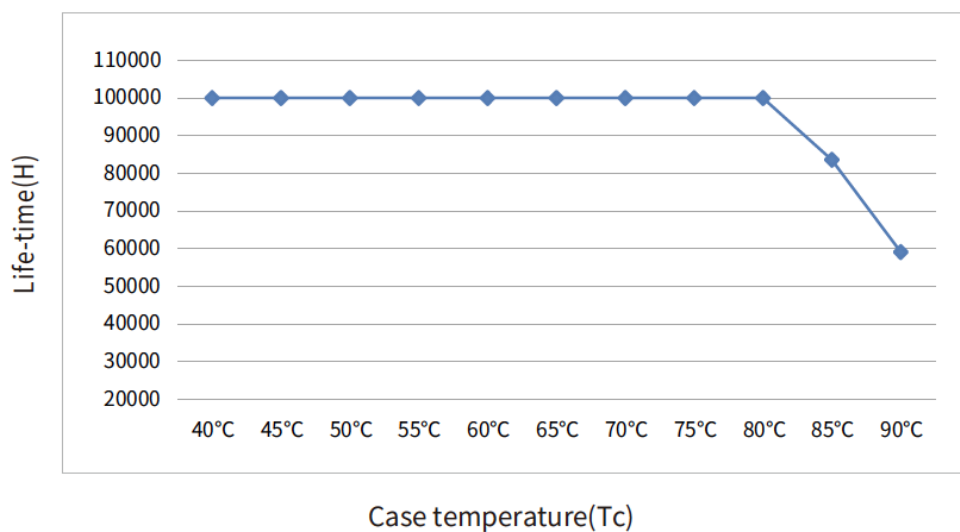
Typical applications

- LED indoor lighting
- LED outdoor lighting
- LED commercial lighting



PPI 040/PPI 042/PPI 050

Life-time vs. case temperature



Technical data

Product model		
Output parameters		
Regulation method	Constant Current	Constant Current
Rated output current	0.15-0.42A	0.43-0.45A
Rated output voltage	28-42V	28-40V
Rated output power	17.64W Max	18W Max
Output current adjustment	N/A	N/A
Output current ripple LF	±1%	±1%
Output current accuracy	±20mA@230VAC	±25mA@230VAC
Linear regulation	±5%	±5%
Load regulation	±5%	±5%
No load output voltage	50V	50V
Flicker-free(typical)	Modulation depth =0.818% (100 Hz), Pst LM ≤ 0.135, SVM ≤ 0.023,(The above parameters are obtained from testing the panel lights)	
Input parameters		
Rated input voltage	200-240VAC 200-240VDC	
Rated input voltage	180-264VAC 180-264VDC	
Input vottage shock	<380V AC, 1 h	
Input current	<0.15A (AC input)	
Input frequency	47-63Hz	
Input power factor	>0.95 (230V AC & Full load)	
Input THD	<10% (230V AC & Full load)	
Efficiency(typical)	86% (230V AC & Full load)	
In-rush current	7.86A peak ,190us duration(50 % Ipeak), see the description below for details	
Start/Switchover/Turn off	<0.5s(AC start),<0.5s(DC start),<0.3s(AC/DC switchover),<0.5s(Turn off)	
Switching cycles	> 50,000 switching cycles	
Power consumption	Full load(Pmax):18W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A	
Safety		
Withstand voltage	I/P-O/P:3750V AC	
Mains surge capability	L-N:2KV	
Leakage current	<0.7mA (230V AC & Full load)	
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH	
Control interface		
DALI dimming port	N/A	
PUSH dimming port	N/A	
1-10V 2in1 dimming port	N/A	
Auxiliary power supply	N/A	
Dimming range	N/A	
Dimming drive mode	N/A	
Emergency support		
Central emergency system	Supported(Support DC input)	
Self-contained emergency	Supported	
Environment & Life time		
Operating temperature	Ta=-20-60°C	
Case temperature	Tc=90°C	
Operating humidity	5-85% RH, not condensed	
Storage temp./humidity	-40-80°C, 5-85% RH, not condensed	
IP grade	IP65	
MTBF	500,000H,MIL-HDBK-217F(25°C)	
Life-time	Nominal life-time up to 100,000 h, see the description below for details	
Vibration resistant	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes	
Acoustic Noise	<25dB(30cm, Full load)	
Environmental protection	RoHS	
Certifications and standards		
Certified	ENEC-TUV, RCM, EMC, CE, CCC	
Safety	EN61347-1, EN61347-2-13, EN62384	
EMC	EN55015, EN61000-3-2 , EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547	
DALI-2	N/A	
EL	N/A	
RF	N/A	

Remarks

- 1.By default, all parameter are measured at 230VAC input, full load and 25°C of ambient temperature.
- 2.The driver can not be installed inside the light. when the driver is used with the light, the EMC of the whole light needs to be tested.