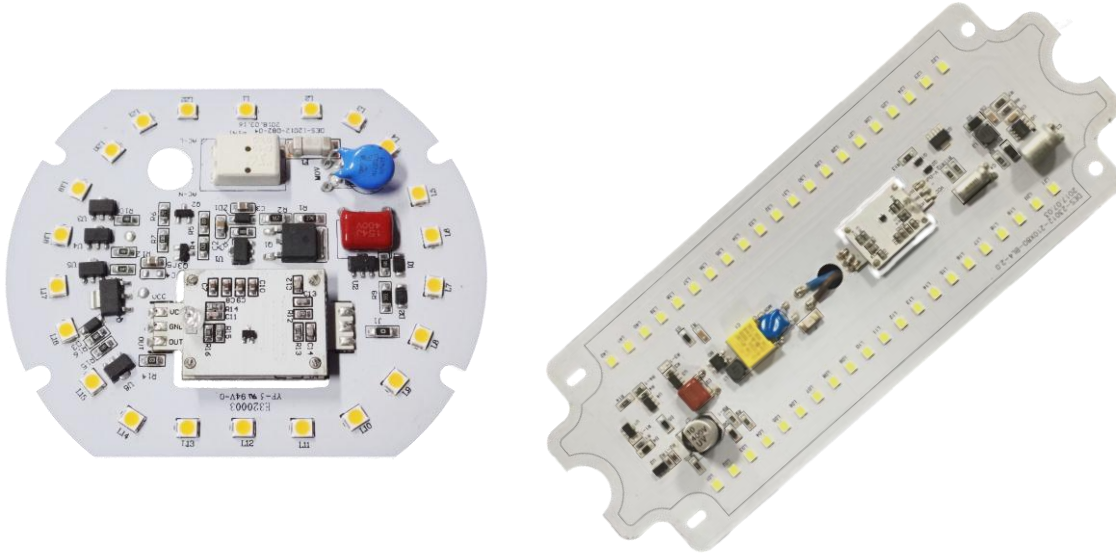


EdiLex Radar integration module Series



Feature & Benefits

- Integrated AC power circuit on module
- Economic total solution
- Easy refitting of existing luminaries
- Small color tolerance MacAdam 5
- Long lifetime 30,000 hours L70B10
- Built-in radar module

Applications

- Flush Mount
- Wall Light

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Product Code Information

Part No.	Description
5ELALN2T23125009	AC423_5000K_12W_230V_CRI80_210*80
5ELACN2T23105008	AC422_5000K_10W_230V_CRI80_D125
5ELACN2T12105012	AC475_5000K_120V_10W_CRI80_D82
5ELACN2T23105012	AC476_5000K_230V_10W_CRI80_D82

Electrical Characteristic

Parameter	Min	Typ	Max	Unit
Rated supply voltage AC	220 / 115	230 / 120	240 / 125	V
Input voltage, AC	207 / 110	230 / 120	253 / 132	V
Mains frequency		50/60		Hz
Typ Power factor	0.8			--
THD			50	%
Beam characteristic		120		°
Operating ambient temperature		-25~+55		°C
Tc point	--	85	--	°C
Hi-pot Test (AC input to Bottom)	1.25			KV
Detecting distance	5		12	M
Delay time	10		500	Seconds
Ambient light sensor	3		70	lux

Absolute Ratings

Parameter	Min	Max	Unit
Input voltage	--	253 / 132	V
Surges protection(L/N)	--	1.0	KV
Case Temperature (tc)	--	100	°C
Operating ambient temperature	-25	+55	°C
Storage ambient temperature	-40	+30	°C
Storage ambient humidity	--	45	%

Electro-Optical Characteristics (Vin=230V ; Ta=25°C)

5ELALN2T23125009

Part No.	Parameter	Min	Typ	Max	Unit
5ELALN2T23125009	Power consumption	9	10	11	W
	Lumen Flux 5000K	--	1100	--	Lm
	Efficacy 5000K	--	110	--	lm/W
	Color rendering index (Ra)	80	--	--	--
	R9	0	--	--	

Electro-Optical Characteristics (Vin=230V ; Tc=25°C)

5ELACN2T23105008

Part No.	Parameter	Min	Typ	Max	Unit
5ELACN2T23105008	Power consumption	9	10	11	W
	Lumen Flux 5000K	--	1100	--	Lm
	Efficacy 5000K	--	110	--	lm/W
	Color rendering index (Ra)	80	--	--	--
	R9	0	--	--	

Electro-Optical Characteristics (Vin=230V ; Tc=25°C)

5ELACN2T23105012

Part No.	Parameter	Min	Typ	Max	Unit
5ELACN2T23105012	Power consumption	9	10	11	W
	Lumen Flux 5000K	--	1100	--	Lm
	Efficacy 5000K	--	110	--	lm/W
	Color rendering index (Ra)	80	--	--	--
	R9	0	--	--	

Electro-Optical Characteristics (Vin=120V ; Tc=25°C)

5ELACN2T12105012

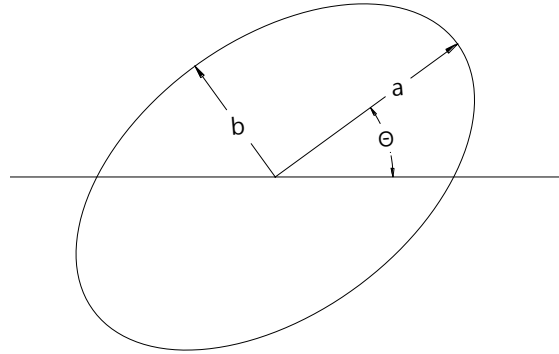
Part No.	Parameter	Min	Typ	Max	Unit
5ELACN2T12105012	Power consumption	9	10	11	W
	Lumen Flux 5000K	--	1100	--	Lm
	Efficacy 5000K	--	110	--	lm/W
	Color rendering index (Ra)	80	--	--	--
	R9	0	--	--	

Note:

Measurement precision $\pm 10\%$ for the flux data and $\pm 10\%$ for the efficacy data.

Measurement precision for CRI ± 2 and for color temperature $\pm 150K$

Color Coordinate



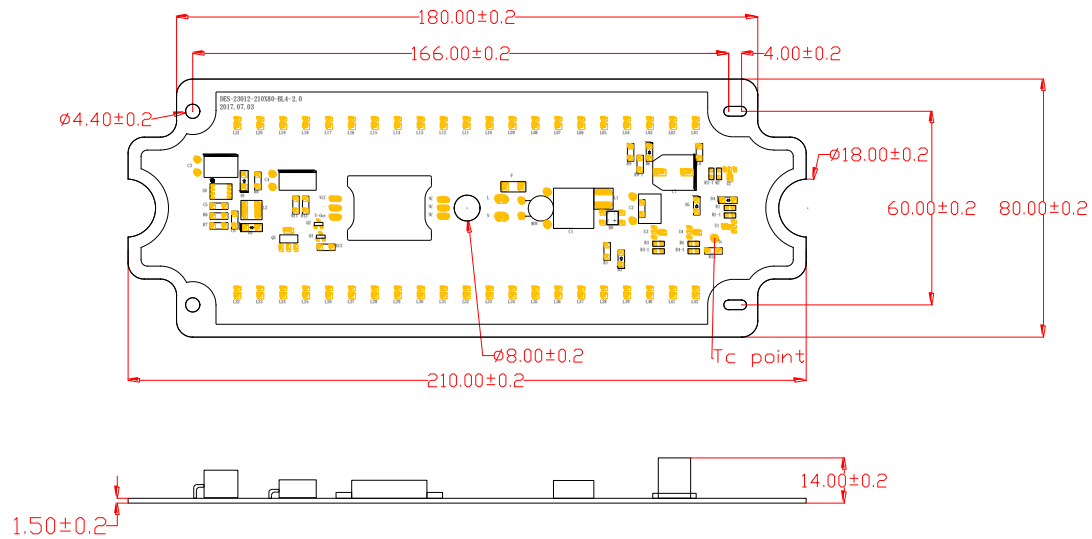
CCT	Steps	Cx	Cy	a	b	theta
5000K	3	0.3447	0.3553	0.00822	0.00354	59.62

Notes

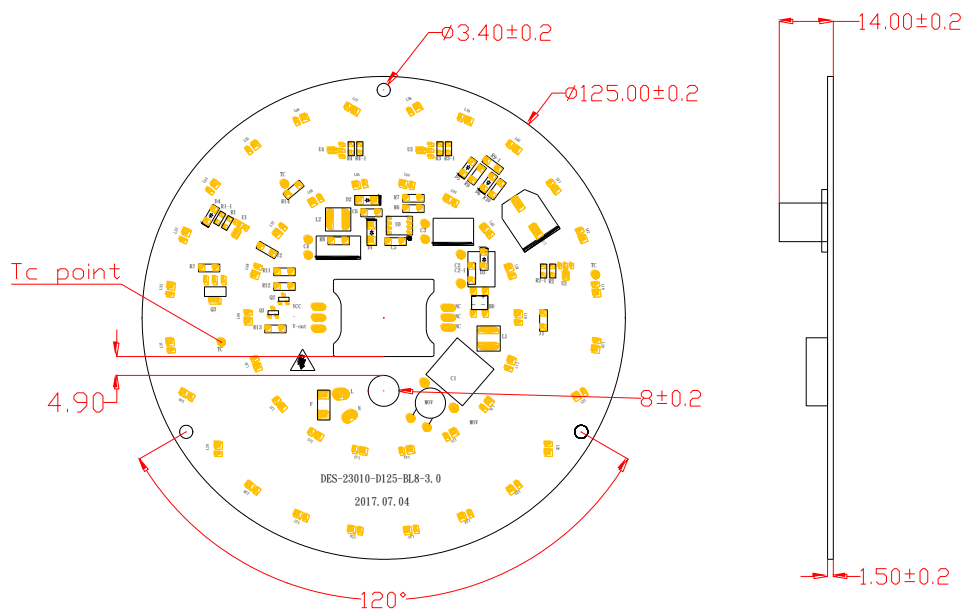
*Edison maintains a measurement tolerance of CIE_x / CIE_y ± 0.005

Mechanical Dimension

5ELALN2T23125009



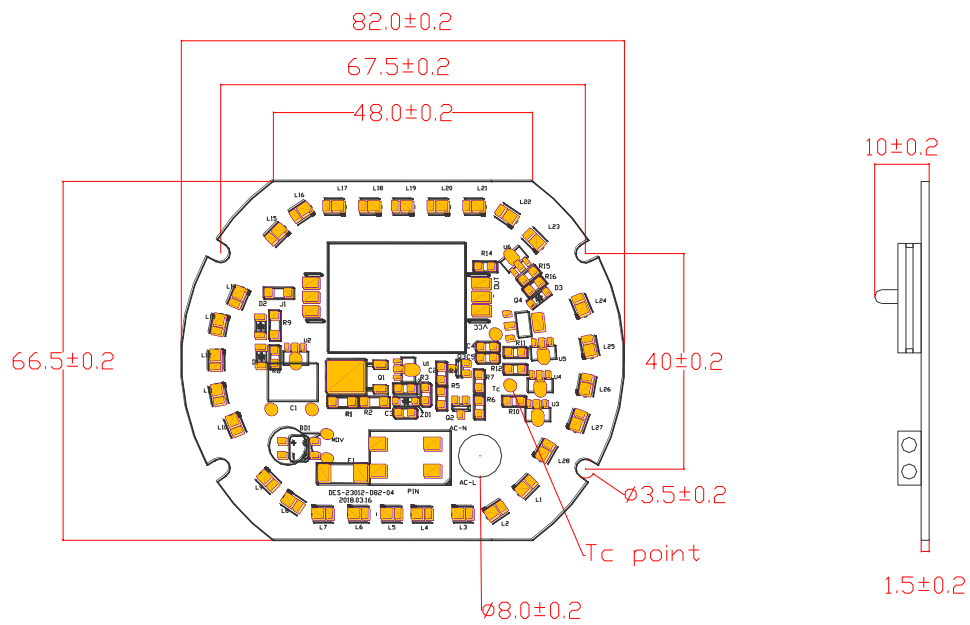
5ELACN2T23105008



Note:

All dimension unit in mm

5ELACN2T12105012



Note:

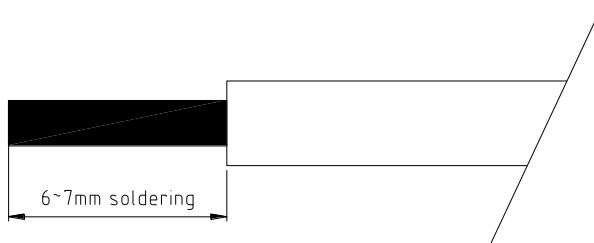
All dimension unit in mm

Certificate

Regulation	Remark
CE	Declaration of Conformity
REACH	Hazardous Substance & Material
RoHS	Hazardous Substance & Material

Wire condition

The wiring should be solid cable with a cross section of 0.4 to 0.75mm².
For the push-wire connection you have to strip the insulation (6-7mm)



Precaution for Use

1. Please note that AC Module products are driven by high voltage, therefore when operating AC Modules should be very cautious.
2. DO NOT touch the circuit board, components or terminals with body or metal while the circuit is active.
3. DO NOT add or change wires while the circuit of AC Module is active.
4. Long time exposure to sunlight or UV should be avoided; otherwise, it may cause the discoloration of lens.
5. DO NOT use adhesives to attach the LED that outgas organic vapor.
6. DO NOT use the products with materials containing Sulfur.
7. DO NOT assemble in humid environment or the conditions of containing oxidizing gas such as Cl, H₂S, NH₃, SO₂, NO_x, etc.
8. DO NOT make any modifications on the products.
9. AC Module uses integrated circuit (IC) which can be damaged when exposed to static electricity. Please operate with antistatic device. Do not touch the product unless ESD protection is used. AC Module can't be installed in end product unless the ESD protection is used.
10. DO NOT press the product; even a slight pressure may damage the product.
The environments such as high temperatures, high humidity or direct expose to sunlight should be avoided since the product is sensitive to these conditions.
11. Storage Precautions:
 - (1) The devices should be stored in the anti-static bag.
 - (2) If the anti-static bag has been opened, please make sure to reseal the bag to avoid air and moisture infiltrate in the bag.
12. It is strongly suggested to wear rubber insulated gloves and rubber bottom shoes while operating the AC Modules.
13. DO NOT wear any conductive accessories (such as jewelry) which could accidentally get an electric shock.
14. Faults, lightning, or fast switch may cause voltage surge which surpasses the normal value.
15. The failure of internal component may cause excessive voltages.
16. DO NOT directly make the HI-POT test over DC 1,750V on the module.
17. DO NOT separately connection L and N terminal when the power source turn on.

Environmental Compliance

AC module series are compliant to the Restriction of Hazardous Substances Directive or RoHS. The restricted materials including lead, mercury cadmium hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ether (PBDE) are not used in AC module series to provide an environmentally friendly product to the customers.

Datasheet History

Versions	Modification	Date
1	Establish a Datasheet	2019/12/27

About Edison Opto

Edison Opto is a leading manufacturer of high power LED and a solution provider experienced in LDMS. LDMS is an integrated program derived from the four essential technologies in LED lighting applications- Thermal Management, Electrical Scheme, Mechanical Refinement, Optical Optimization, to provide customer with various LED components and modules. More Information about the company and our products can be found at www.edison-opto.com

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www.edison-opto.com

For general assistance please contact:

service@edison-opto.com.tw

For technical assistance please contact: LED.Detective@edison-opto.com.tw