

## 1. Structure

This LED lamp is intended for replacement of linear fluorescent lamp. The module consists of PCB with white LEDs mounted and Al heatsink inside the tube.

## 2. Application

AC100-242V input self-ballasted linear LED fluorescent lamp.

## 3. Absolute Maximum Ratings (Ta=25°C)

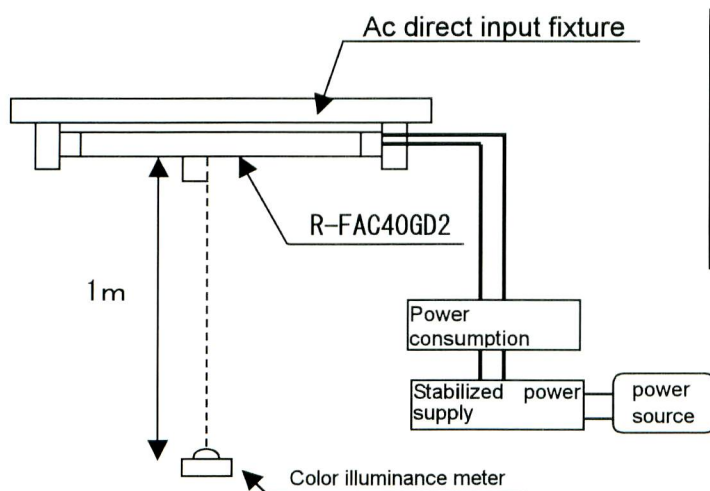
Number	Description	Symbol	Specification	Unit	Remarks
1	Input Voltage	V <sub>in</sub>	90 ~ 264	V	50Hz/60Hz
2	Operating temp	T <sub>opr</sub>	-10 ~ +40	°C	No condensation under 80%RH
3	Storage temp.	T <sub>stg</sub>	-20 ~ +50	°C	No condensation under 80%RH

## 4. Characteristic (Ta=25°C)

Description		Specification			Unit	Remarks
		MIN	TYP	MAX		
Light color		Daylight			—	
Pipe		Milky white type			—	
Dimension	Diameter	—	—	35.9	mm	Maximum diameter
	Total length	1210.4	1212.0	1213.6	mm	
Weight		—	410	480	g	
Bulb socket		G13			—	
Power supply frequency		50/60 common			Hz	
Power consumption		—	18	23	W	*Note1
Luminous intensity		210	310	—	Lx	*Note1
Color temperature		5700	6500	7100	K	*Note1

\*Input voltage AC 200V 50Hz

\*Note.1 Illuminant measurement method : Measured 1m throw in dark room (Ta=25°C)



## Measurement Equipment

Power Supply  
KIKUSUI AC Power Supply PCR500M  
Color illuminance meter  
YOKOGAWA color illuminan meter  
520-05  
Power consumption meter  
HIOKI Power HiTESTER 3333

\* Performance and accuracy of the measurement equipments are to be equal to or better than above mentioned.

*Tentative*

DESIGN

CHECK

APPROVAL

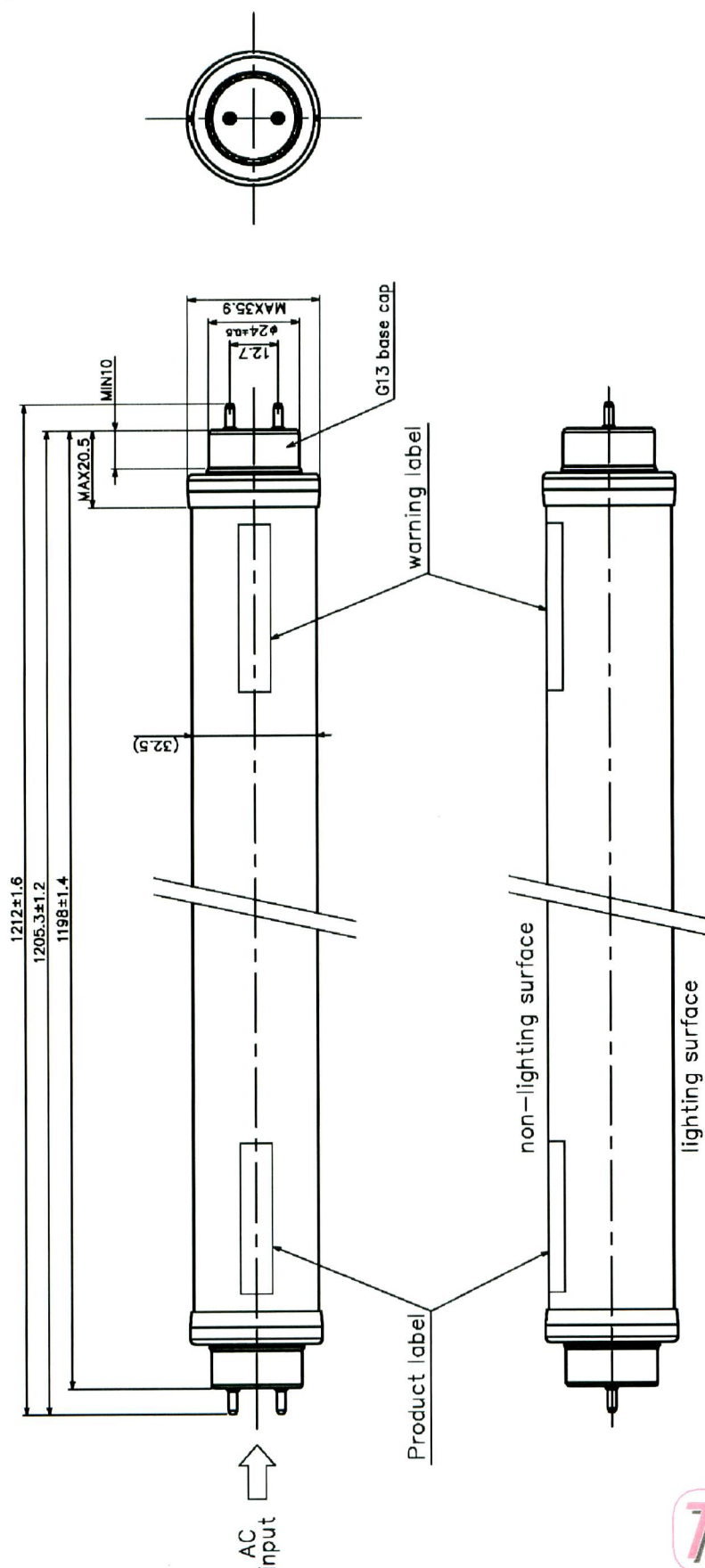
DATE:2012/09/07

SPECIFICATION No. S L T G 0 5 0 8 E

REV. A

**ROHM Co.,Ltd.**

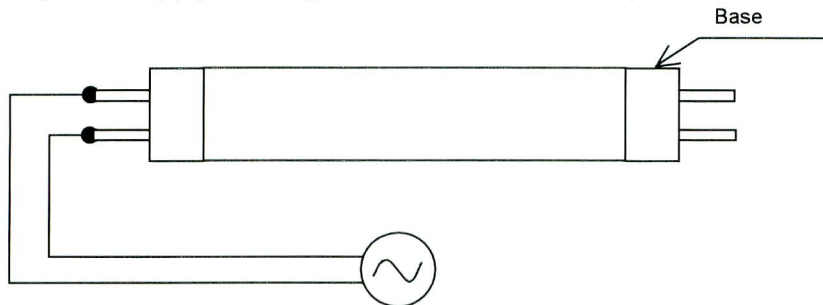
5. Structure (units:mm)



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## 6. WIRING CONFIGURATION

Connect AC power supply to designated side of the base cap.



## WARNING

- Do not cover the lamp with cloth or paper. Keep burnable staff away from the lamp. (Risk of Fire)
- Do not use the lamp with bulb fixture, emergency sign, emergency exit light, Mercury light fixture, ballast and inverter for fluorescent lamp. Risk of damage or fire. (Risk of damage, smoke, damage of ballast.)
- Disconnect electrical power supply, before installing or servicing the lamp. (Risk of Electric shock.)

## Caution

- Do not use where humid or wet place. (Risk of failure)
- Do not bump object to lamp.
- Do not damage and squeeze lamp. (Risk of failure and injury)
- Do not touch lamp when it works or after switching off immediately because of high heat. (Risk of a burn)

## 7. PRECAUTION FOR USE

- Do not modify the lamps. In case it was modified, it will be out of guarantee.
- LED chip inside can't be replaced.
- Do not use the lamp with enclosed or semi-enclosed fixtures.
- It may result in life time reduction for temperature increase.
- Do not touch with wet hand. Risk of electric shock or failure.
- Lamp replacement has to be done after at least 20 minutes of switching off and it became cool enough.
- LED has distribution in color and brightness; Color and brightness may be different by each lamps.
- The lamp may not be used with fixtures equipped with motion sensor automatic dimmer and delay stop function.
- Do not use at the place where the temperature is over 40° .
- Do not stare the lamp for a long time, Risk of damaging eyes.

*Tentative*