

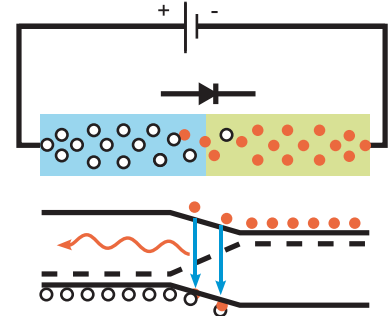
Introducing the light for our future....

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ABOUT LED

A light-emitting diode (LED) is a semiconductor device that emits visible light when an electric current passes through it. When a light-emitting diode is forward-biased (switched on), electrons are able to recombine with electron holes within the device, releasing energy in the form of photons. This effect is called electroluminescence and the color of the light (corresponding to the energy of the photon) is determined by the energy gap of the semiconductor.



SPECIFICATION

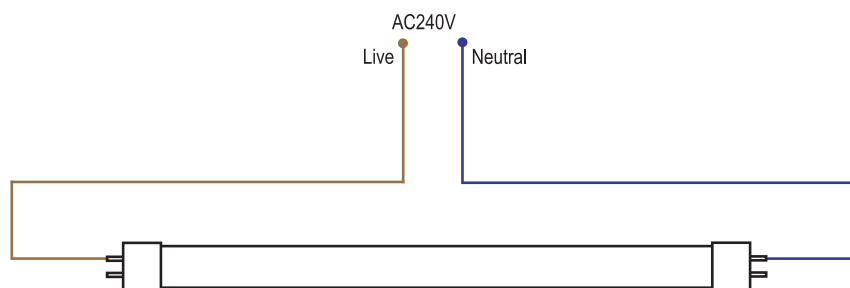
Model Code	MR-T8-001	MR-T8-002
Color	Day Light	Warm White
Color Temperature	5000 ~ 7000 K	2850 ~ 3800 K
LED Luminous Efficiency	85 lm/W	80 lm/W
Power Factor	>98%	>98%
Flux (typ)	1500 lm	1300 lm
CRI	>80	>80
Number of LED	252 pcs	252 pcs
Beam Angle	160 degree	160 degree
Input Voltage	180 ~ 265 Vac	180 ~ 265 Vac
Input Power (typ)	18 W	18 W
Input Current (typ)	80 mA	80 mA
Lifetime (typ)	>40,000 hrs	>40,000 hrs
Working Humidity	10 ~ 90 %RH	10 ~ 90 %RH
Operating Temperature	-25 ~ 45 degC	-25 ~ 45 degC
Storage Temperature	-25 ~ 80 degC	-25 ~ 80 degC
Tube Casing Material	Polycarbonate (Double Color)	Polycarbonate (Double Color)
Tube Diameter	26 mm	26 mm
End Cap Diameter	28 mm (G13 type)	28 mm (G13 type)
Length	1210 mm (4 feet)	1210 mm (4 feet)
Weight	220 g	220 g

SPECIFICATION

	LED	FLUORESCENT
Wattage	18 W	36 W
Life span	> 40,000 hrs	8,000 ~ 10,000 hrs
Ballast needed	No	Yes
Starter needed	No	Yes
Heat generation	Low	High
Radiation	No	Mercury vapour
Toxic contain	No	Yes
Maintenance fee	Low	High
Lux @ 1m	310	190
Lux @ 2m	105	70
Lux @ 3m	55	40

* Lux measurement taken without light reflector installed

CONNECTION WAY



* External ballast & starter not required



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