Dunamis™ Series

LED tube and fitting

ILLUMINATINGASIA
Lighting Up The Past Present & Future

PIR Motion Sensor
LED TUBE

Our manual adjustable PIR motion sensor tube is the first in the LED market to allow end users to adjust the shut off time, and the brightness of the tube. It can help save 70% more electricity over traditional LED tubes and 200% more electricity over fluorescent tubes. Suitable for a wide range of venues such as parking garages, warehouses, offices, and factories. Reducing your energy consumption and saving money is now a simple matter.

PIR Motion Sensor
LED TUBE

① TIME: When user is away from detection zone, light tube will stay on based on the set time.
(5S, 30S, 1M, 3M, 5M, 10M, 20M, 30M, 60M).

② LUX: When user is away from detection zone, the power consumption of the tube will be reduced to the set amount. (0-OFF, 10%, 20%, 30%, 40%).

③ LED Tube's end cap is rotatable 90º clockwise and counter clockwise. This can accurately position the tube to the direction of the sensing and lighting area.

● By installing an optional photocell (day light harvest sensor) it instructs the tube to turn only when the ambient environment is dark. This helps to further save energy by harvesting outside lighting.

● This sensor tube is designed to reduce as much power usage as possible by allowing user to set different power consumption base on individual usage scenario. The cost of stocking Josgood's PIR sensor tube compare to the traditional pre-programmed sensor LED tube is that one item accommodates all the consumer's need.

Specification

| Model	Input Voltage	Watts	CCT	Lumens	CRI	Beam Angle	IP	Working Temp.	Dimensions
DLT8M-10w	AC 100-240V	10W	3000K-3500K	900Lm	≥80	120°	IP50	-20°C~45°C	Ø30×L600mm
DLT8M-10w	AC 100-240V	10W	4000K-4500K	950Lm	≥80	120°	IP50	-20°C~45°C	Ø30×L600mm
DLT8M-10w	AC 100-240V	10W	5500K-6000K	1000Lm	≥80	120°	IP50	-20°C~45°C	Ø30×L600mm
DLT8M-18w	AC 100-240V	18W	3000K-3500K	1600Lm	≥80	120°	IP50	-20°C~45°C	Ø30×L1200mm
DLT8M-18w	AC 100-240V	18W	4000K-4500K	1700Lm	≥80	120°	IP50	-20°C~45°C	Ø30×L1200mm
DLT8M-18w	AC 100-240V	18W	5500K-6000K	1800Lm	≥80	120°	IP50	-20°C~45°C	Ø30×L1200mm
DLT8M-23w	AC 100-240V	23W	3000K-3500K	1950Lm	≥80	120°	IP50	-20°C~45°C	Ø30×L1500mm
DLT8M-23w	AC 100-240V	23W	4000K-4500K	2050Lm	≥80	120°	IP50	-20°C~45°C	Ø30×L1500mm
DLT8M-23w	AC 100-240V	23W	5500K-6000K	2200Lm	≥80	120°	IP50	-20°C~45°C	Ø30×L1500mm

Lighting Data

AVERAGE BEAM ANGLE(50%):128.2 DEG
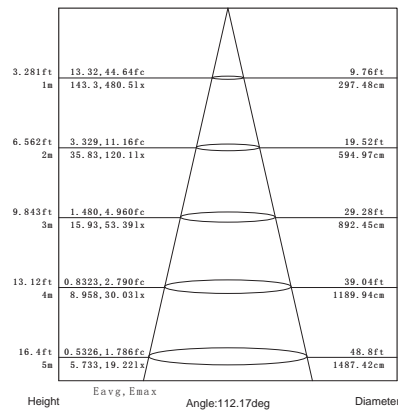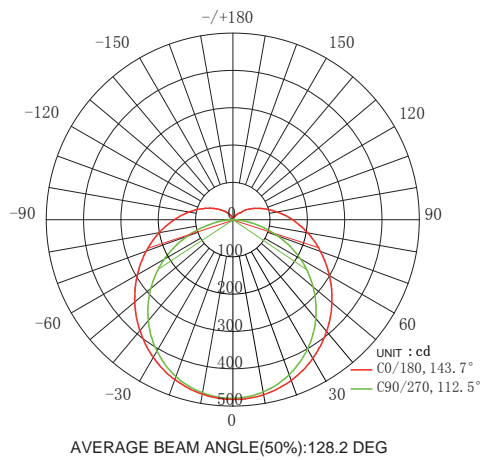
5500K-6000K

Dimensions

(Unit : mm)
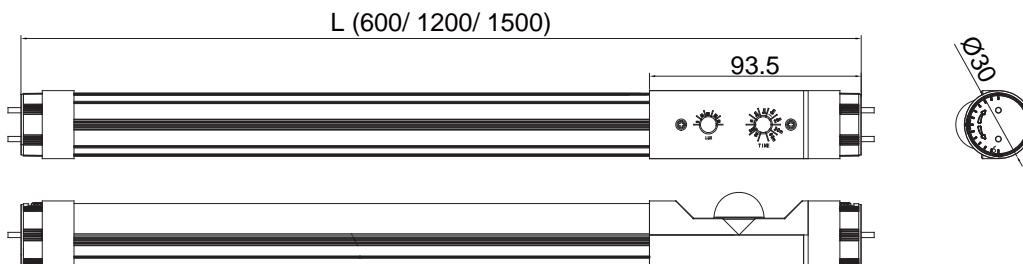
Power saving

Setting One
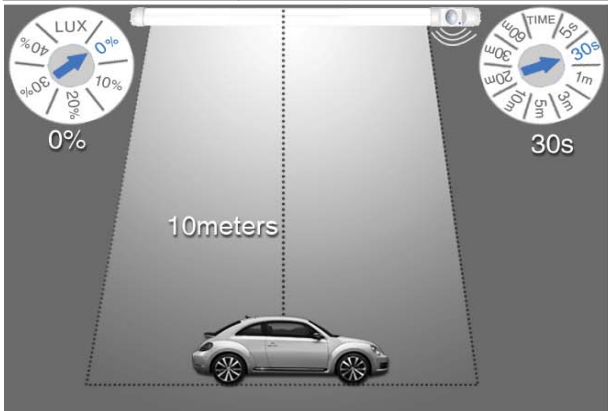
0%   30s

10meters
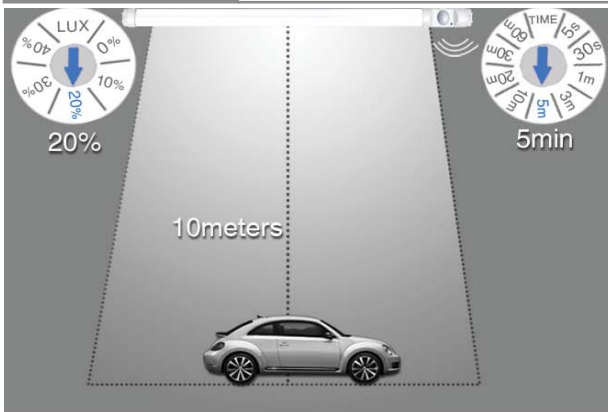
☆When object is in the detection area, sensor tube turns on.
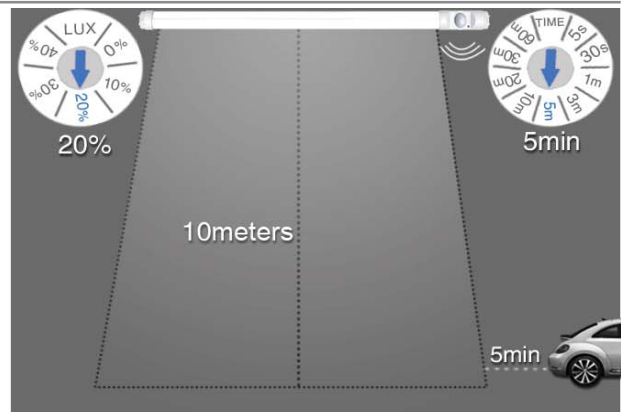

0%   30s

10meters

30s
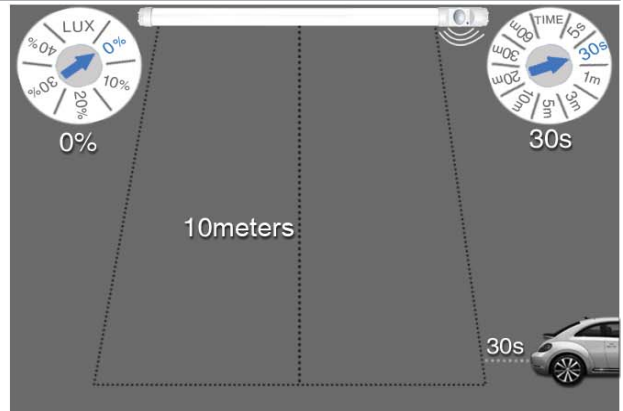
☆When object is away from detection area for 30seconds, the tube will turn off.

Setting Two

20%   5min

10meters

★When object is in the detection area, sensor tube turns on.

20%   5min

10meters

5min

★When object is away from detection area after 5minutes, the sensor tube's brightness reduces to 20% and consumes 3.5 watts.

Power Consumption Chart

1200mm	LUX0%	LUX10%	LUX20%	LUX30%	LUX40%
18watts	OFF STATE	1.5W	3.5W	5.5W	7.5W

Application

Parking lot / warehouse
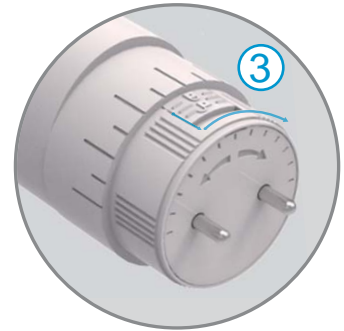

Office / Lounge

Corridors

Restroom

Microwave Sensor
LED TUBE

Our manual adjustable microwave sensor tube is the first in the LED market to allow end users to adjust the shut off time, and the brightness of the tube. It can help save 70% more electricity over traditional LED tubes and 200% more electricity over fluorescent tubes. Suitable for a wide range of venues such as parking garages, warehouses, offices, corridors, and factories. Reducing your energy consumption and saving money is now a simple matter.
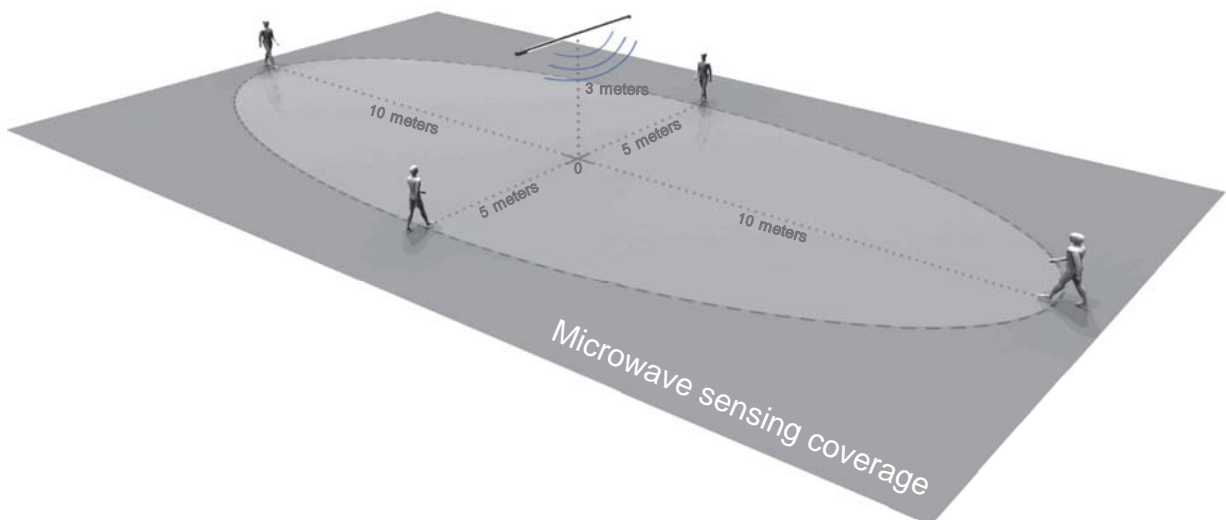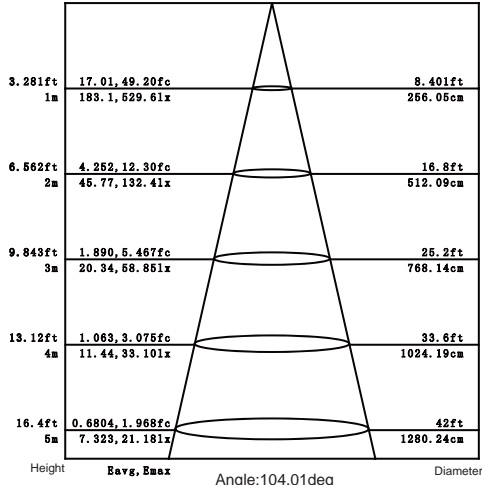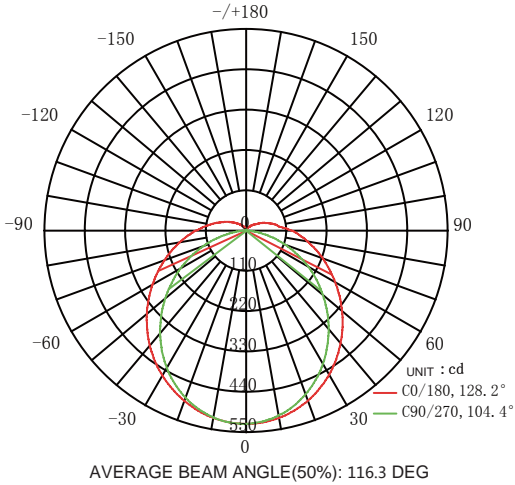
Microwave Sensor
LED TUBE

① TIME: When user is away from detection zone, light tube will stay on based on the set time. (5S, 30S, 1M, 3M, 5M, 10M, 20M, 30M, 60M).

② LUX: When user is away from detection zone, the power consumption of the tube will be reduced to the set amount. (0%-OFF, 10%, 20%, 30%, 40%).

③ LED Tube's end cap is rotatable 90º clockwise and counter clockwise. This can accurately position the tube to the direction of the sensing and lighting area.

④ Utilizing the Doppler principle, radar signal is emitted and received. The sensor intelligently monitors the surrounding environment to detect if there are movement within the detection zone. Once triggered by movement the lamp will light on. After periods of undetected movement the lamp will behave according to user settings and go into power saving mode.

⑤ Maximum sensing distance : upto 10 meters.

● By installing an optional photocell (day light harvest sensor), it instructs the tube to turn on only when the ambient environment is dark. This helps to further save energy by harvesting outside lighting.

● This sensor tube is designed to reduce as much power usage as possible by allowing user to set different power consumption base on individual usage scenario. The cost of stocking our microwave sensor tube compare to the traditional pre-programmed sensor LED tube is that one item accommodates all the consumer's need.

Microwave sensing coverage

Lighting Data

AVERAGE BEAM ANGLE(50%): 116.3 DEG

3.281ft 1m	17.01,49.20fc 183.1,529.61x	8.401ft 256.05cm
6.562ft 2m	4.252,12.30fc 45.77,132.41x	16.8ft 512.09cm
9.843ft 3m	1.890,5.467fc 20.34,58.851x	25.2ft 768.14cm
13.12ft 4m	1.063,3.075fc 11.44,33.101x	33.6ft 1024.19cm
16.4ft 5m	0.6804,1.968fc 7.323,21.181x	42ft 1280.24cm

Height   Eavg, Emax   Angle:104.01deg   Diameter

18Watts   5500K-6000K

Specification

Model	Input Voltage	Watts	CCT	Lumens	CRI	Beam Angle	IP	Working Temp.	Dimensions
YG601084	AC 100-240V	10W	3000K-3500K	850Lm	≥80	120°	IP50	-20°C~45°C	Ø28×L600mm
YG601084	AC 100-240V	10W	4000K-4500K	980Lm	≥80	120°	IP50	-20°C~45°C	Ø28×L600mm
YG601084	AC 100-240V	10W	5500K-6000K	1000Lm	≥80	120°	IP50	-20°C~45°C	Ø28×L600mm
YG601884	AC 100-240V	18W	3000K-3500K	1600Lm	≥80	120°	IP50	-20°C~45°C	Ø28×L1200mm
YG601884	AC 100-240V	18W	4000K-4500K	1700Lm	≥80	120°	IP50	-20°C~45°C	Ø28×L1200mm
YG601884	AC 100-240V	18W	5500K-6000K	1800Lm	≥80	120°	IP50	-20°C~45°C	Ø28×L1200mm
YG602384	AC 100-240V	23W	3000K-3500K	1950Lm	≥80	120°	IP50	-20°C~45°C	Ø28×L1500mm
YG602384	AC 100-240V	23W	4000K-4500K	2050Lm	≥80	120°	IP50	-20°C~45°C	Ø28×L1500mm
YG602384	AC 100-240V	23W	5500K-6000K	2200Lm	≥80	120°	IP50	-20°C~45°C	Ø28×L1500mm

Dimensions

(Unit: mm)
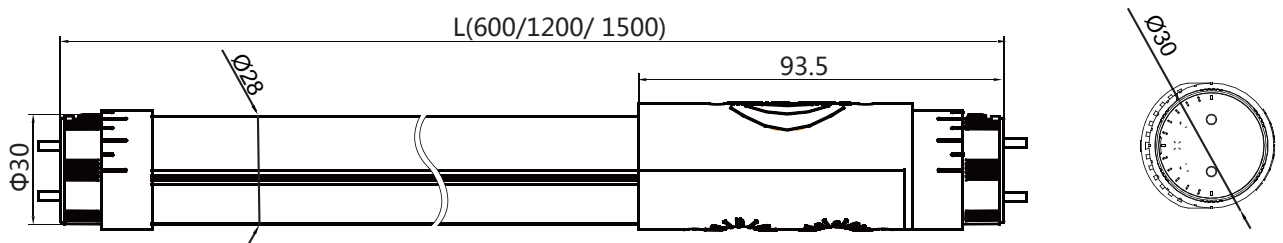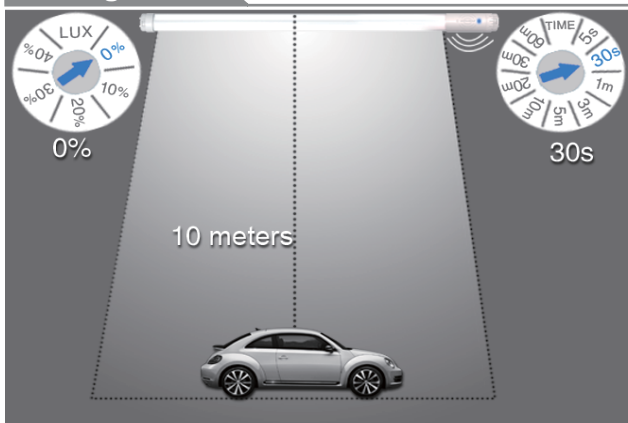
L(600/1200/ 1500)

93.5

Ø28

Ø30

Ø30

Power Saving
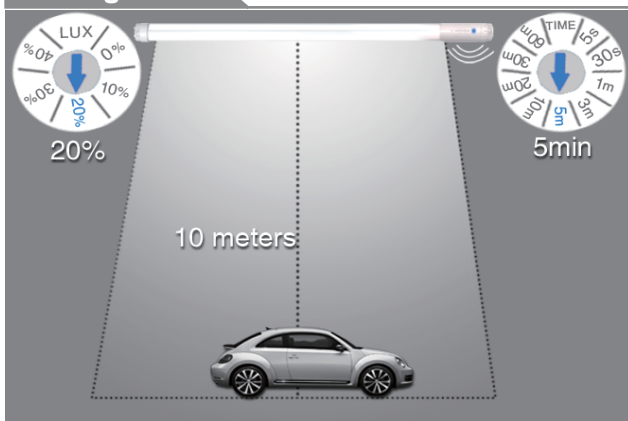
Setting One

0% 30s

10 meters

☆When object is in the detection area, sensor tube turns on.
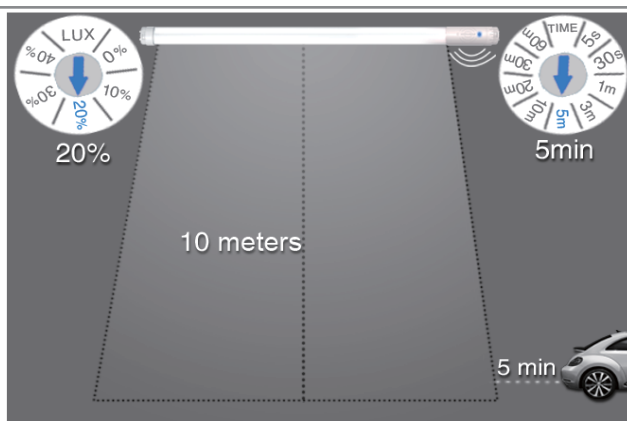

0% 30s

10 meters

30s
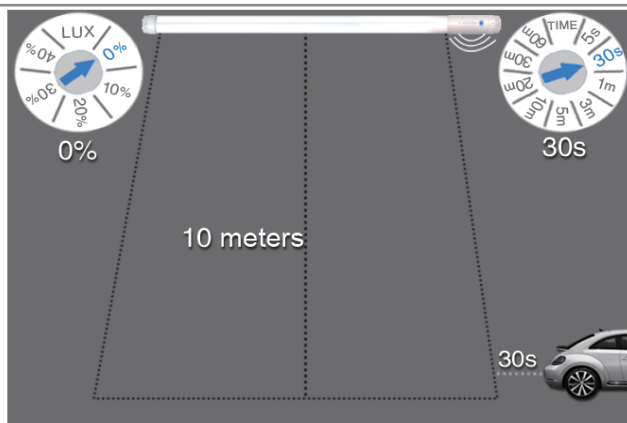
☆When object is away from detection area after 30 seconds, the tube will turn off.

Setting Two

20% 5min

10 meters

★When object is in the detection area, sensor tube turns on.

20% 5min

10 meters

5 min

★When object is away from detection area after 5minutes, the sensor tube's brightness reduces to 20% and consumes 3.5 watts.

Power Usage

Specification		LUX 0%	LUX 10%	LUX 20%	LUX 30%	LUX 40%
600mm	10watts	OFF STATE	1.1W	2.3W	3.2W	4.2W
1200mm	18watts	OFF STATE	1.5W	3.5W	5.5W	7.5W
1500mm	23watts	OFF STATE	2.5W	5.4W	7.3W	9.5W

Dunamis™ Series
T5 LED Tube

**Aesthetic/Smooth light effect/Affordable /Genuine**

Model. 产品型号	Power 功率 [w]	Voltage 电压 AC [v]	Beam Angle 发光角度	Lumen 流明 [lm]	CCT 色温 [K]	CRI 显色指数	Dimensions 灯具尺寸 [mm]	Net Weight 重量 [g]
DLT5-4.5w	4.5w ± 10%	220/110	140°	300 - 350 Milky 400 - 450 Clear	2700-6500	≥80	320*35	90
DLT5-8w	8w ± 10%	220/110	140°	640 - 700 Milky 700 - 800 Clear	2700-6500	≥80	600*35	160
DLT5-12w	12w ± 10%	220/110	140°	900 - 1000 Milky 1000 - 1100 Clear	2700-6500	≥80	900*35	220
DLT5-16w	16w ± 10%	220/110	140°	1500 - 1600 Milky 1600 - 1700 Clear	2700-6500	≥80	1200*35	300
DLT5-20w	20w ± 10%	220/110	140°	1650 – 1800 Milky 1800 – 1900 Clear	2700-6500	≥80	1500*35	370

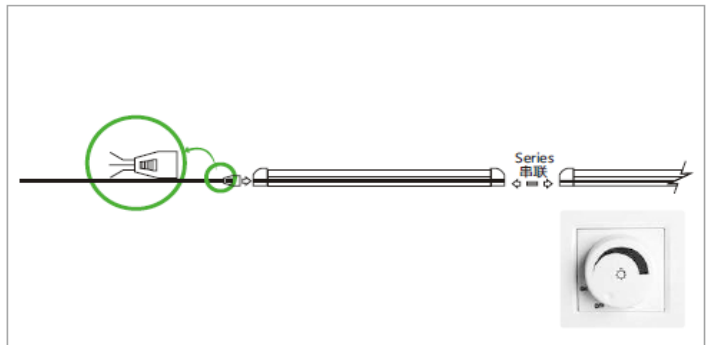***** WW(Warm white: 2700 - 3500K), CW(Cool white 4000 - 4500K), DL(Daylight: 6000 - 6500K)
* Connector and wall bracket included

PHOTOMETRIC PARAMETER 实测光参数分布图
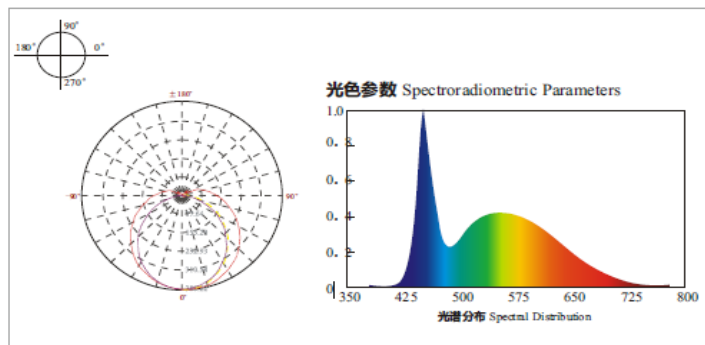
Power supply build in the tube holder 一体式或带支架接线原理

Product Introduction产品介绍

Dunamis LED T5 tube is an economical and high quality LED lamp with an aesthetic exterior. With a smooth lighting effect, the LED tube is installed widely in both commercial and residential projects as the main lighting. It replaces conventional CFLs tubes to achieve a greater cost savings of almost 50% in electricity used. Being easy to install, it has become the mainstay of most establishments and homes. Using high quality LED chipset and driver, the product provides a strong assurance to users. Also, each LED tube comes with a pair of metal brackets and a connector for your convenience in installation. A true Singapore brand product.

Features产品特点

* Professional Optical Design, no visible dark spots on lamp and wall surface, smooth and comfortable light effect;
* High CRI, which is close to natural light;
* Easy connection and Quick start with strong tolerance for variation in input current or voltage;
* The useful life can be 20,000 hours; Lifespan is 10 times longer than CFL;
* Strong heat dissipation achieved with advanced heat sink design and good aluminium.

Dunamis™ Series
T5 LED Tube (Premium)

**Aesthetic/Smooth light effect/Affordable /Genuine**

Model. 产品型号	Power 功率 [w]	Voltage 电压 AC [v]	Beam Angle 发光角度	Lumen 流明 [lm]	CCT 色温 [K]	CRI 显色指数	Dimensions 灯具尺寸 [mm]	Net Weight 重量 [g]
DLT5-4w	4w ± 10%	200 - 264	140°	>400	2700-6500	≥75	288*17	275
DLT5-8w	8w ± 10%	200 - 264	140°	>730	2700-6500	≥75	549*17	320
DLT5-12w	12w ± 10%	200 - 264	140°	>1100	2700-6500	≥75	849*17	380
DLT5-18w	18w ± 10%	200 - 264	140°	>1720	2700-6500	≥75	1149*17	450
DLT5-20w	20w ± 10%	200 - 264	140°	>1930	2700-6500	≥75	1449*17	550

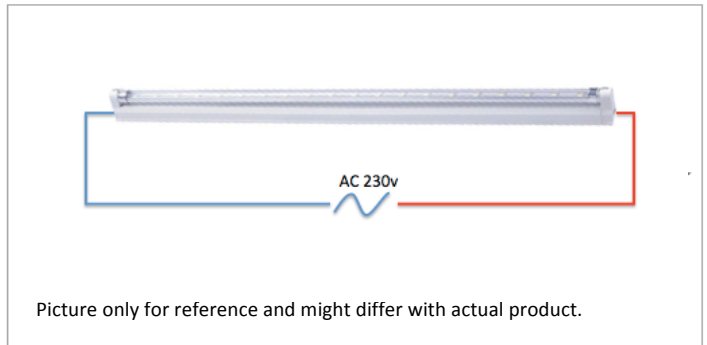* WW(Warm white: 2700 - 3500K), CW(Cool white 4000 - 4500K), DL(Daylight: 6000 - 6500K)
* Holder not included and charged separately

PHOTOMETRIC PARAMETER 实测光参数分布图
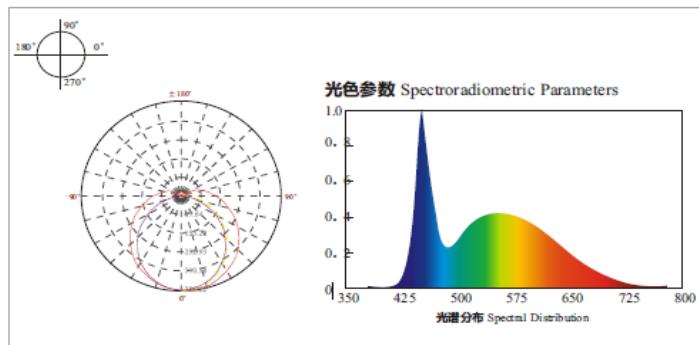
Power supply build in the tube
体式或带支架接线原理

Picture only for reference and might differ with actual product.

Product Introduction 产品介绍

Dunamis LED T5 tube (Non Integrated) is a premium LED tube with an aesthetic exterior. It focused on giving user the same ease of installing and maintaining the LED tube as to a T5 fluorescent tube. It does not require any external driver. Further, the LED tubes' length is made to fit existing T5 tube holder. A 18w DLT5 premium replaces 36w fluorescent a the same brightness, resulting in 50% electrical cost savings. With 8 – 12 hours of operation, the expected break-even can be between 6 – 11 months. The high power efficiency and ease of maintenance makes it a top consideration for many institutions and residential projects. Lastly, strong assurance is also created by using only high grade Taiwan or Japan LED chipset and driver.

Features 产品特点

- Professional Optical Design, no visible dark spots on lamp, smooth and comfortable light effect;
- Does not need external driver, making installation and future maintenance efforts simple;
- Connects directly to 230v AC;
- The useful life can be 40,000 hours; Lifespan is 20 times longer than CFL;
- Strong heat dissipation achieved with advanced and high quality aluminium heat sink design.

Illuminating Asia Sg Pte. Ltd.
照亮亚洲新加坡有限公司

Service centre: Blk 1014 Geylang East Ave 3, #07-238, Singapore 389729 (Beside Paya Lebar MRT Station)
Mainline: +65 9336 0324 | **Email:** sales@illuminatingasia.com
Website: www.illuminatingasia.com

LED Tri-Proof Light -Aluminum Type

.IES | CE | RoHS | ErP | FC | PSE | ⚠ | 🗑

Water-Proof, Dust-Proof, Corrosion Proof, Pressure-Proof
Dimmable, Microwave Sensor, Emergency Types Available
Excellent Heat Dissipation Depend On Full AL Housing
Patent And Function Design
High Stability Isolated Driver
Input: 100-277V~ 50/60Hz

IP65 IK10 130LM/W

Dimmabel Type

Microwave Sensor

Emergency Type

PART NO.	POWER	LUMEN	DIMENSION	CRI	CCT	INSTALLATION	WARRANTY
SE-2T20W	20W	2600LM	600*74*85mm	≥80	WW 2800-3200K NW 4000-4500K DW 5000-5500K PW 6000-6500K	A. Ceiling Mounted B. Suspended C. Linking In Series	5 Years
SE-4T40W	40W	5200LM	1200*74*85mm				
SE-4T50W	50W	6500LM	1200*74*85mm				
SE-5T50W	50W	6500LM	1500*74*85mm				
SE-5T60W	60W	7800LM	1500*74*85mm				

3

Specification

Model :   EM-T8-F24-1500

1. Feature

(1)Environmental: Efficiently save energy which can save 70% energy than fluorescent tube;

(2)High Quality Materials: imported chips, high quality PC diffuser, and pure aluminum;

(3)Without thermal radiation, stable, long life span, modern design;

(4)Fast response, non-flickering, low glare;

(5)High CRI, show what the things really are.

二、Picture

Pure Aluminum

High Quality PC Diffuser

Streamlined Modern Design

3. Specification

Model	EM-T8-F24-1500
LED Type	SMT 2835 LED
Base Type	G13
Input Voltage	AC 85-265V （50/60Hz）
Driver	Built-in Non-isolated Driver
Efficiency	>90%
Rate Power	24±1W
CCT	2800K-6500K
Luminous Flux	Approx 3000 Lm
CRI	≧70/80
Bean Angle	180°±5°
PF	≥0.9
Dimension	1499mm±1mm
Weight	255g
SCDM	≤7dB
Insulation Resistance	＞4MΩ（500V DC）

4. Dimension (Unit: mm)
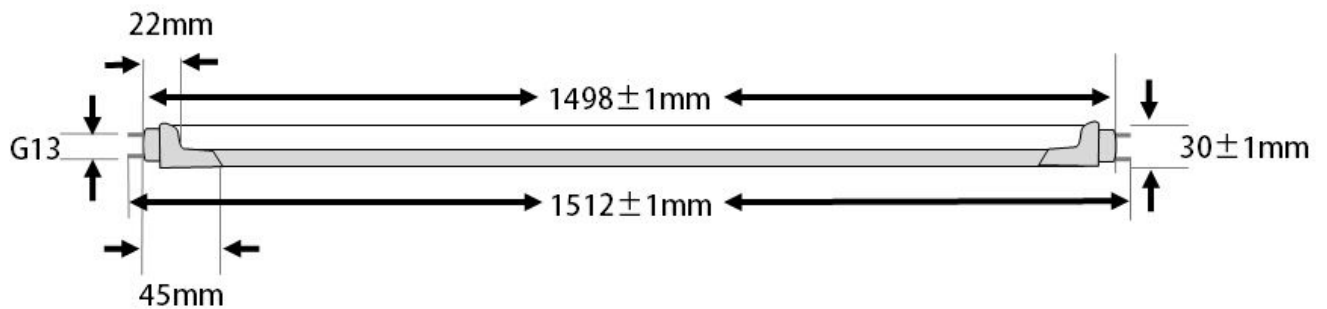
5. Installation

Please according to following properly installed :

①

②

③
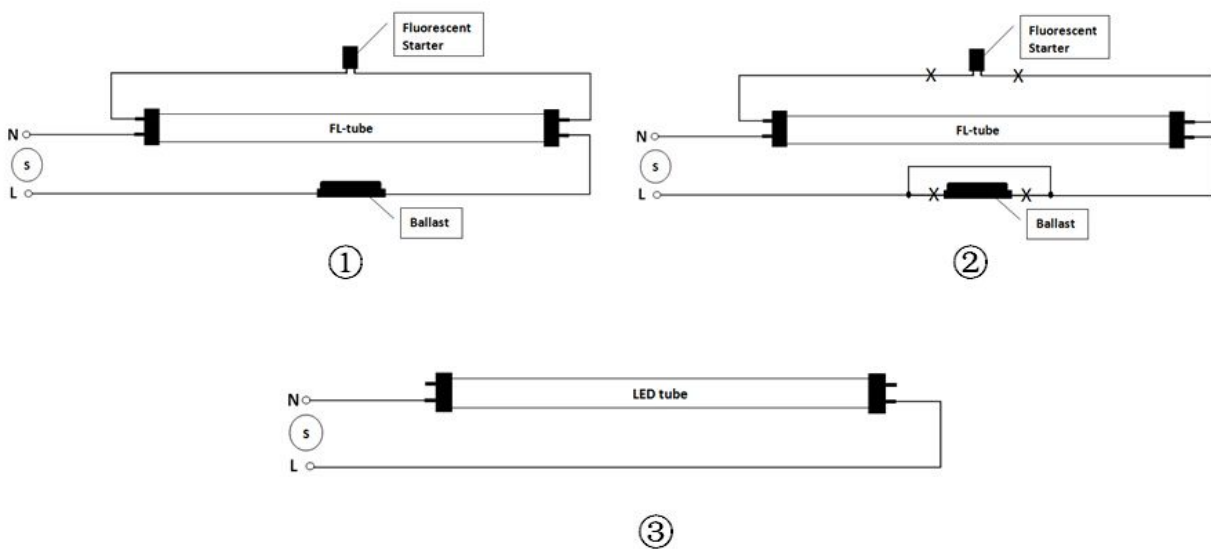
■IMPORTANT

The units should not be used in areas with limited ventilation or high-ambient temperatures. Installation should be done by a qualified electrician.

■WARNING

Before installation or maintenance, please make sure the power is turned off. Lamp installation must be installed with bracket firmly to prevent falling.
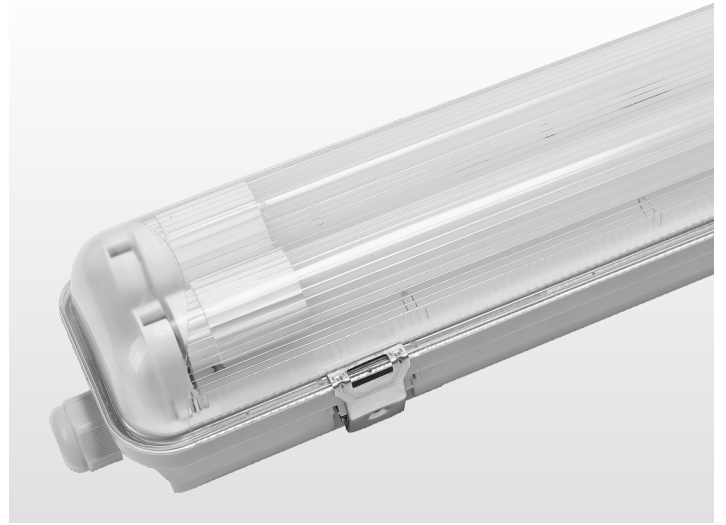
Product description:

Housing：RAL7035 light grey polycarbonate; (ABS for option)
Diffuser：polycarbonate, prismatic inside for better light control;(PMMA for option)
Reflector：High quality iron sheet with white power coating
Lampholder：T8-G13,
Terminal block：3poles screw type, or 3poles screwless type;
Clip：Polycarbonate clips or Stainless clips
Mounting bracket：Stainless brackets;
Installation：Easy and quick to install under ceiling or on surface
Hanger：Plastic gear tray holder connected to the housing for easy maintenace
Accessory bag：PG13.5 cable gland, expansion pipe and screws
Applications：Approved for indoor use or outdoor use which need waterproof, dustproof and moistureproof
Friendly reminder：1)can not be installed on surfaces subject to strong vibrations;
2)when using PC diffuser, don't use moderately to strong alkaline or acidic material or solvents or cleaning agents which attack PC material
3)special enviroment using, pls contact us

Specification:

Model No.	YH15-106T-A	YH15-206T-A	YH15-112T-A	YH15-212T-A	YH15-115T-A	YH15-215T-A
Lamps	1x10W T8	2x10W T8	1x18W T8	2x18W T8	1x24W T8	2x24W T8
Clips Q'ty(pcs)	6	6	10	10	12	12
Product Size(mm)	650*71*82	650*96*82	1260*71*82	1260*96*82	1560*71*82	1560*96*82
Carton Size(mm)	670*295*230	670*395*215	1280*230*230	1280*300*215	1580*230*230	1580*300*215
LF (mm)	330	330	840	840	1120	1120
Q'ty/CTN(pcs)	12	12	9	9	9	9

Option Available:

- A. Polycarbonate Clips
- B. S/S 304 Clips

A.
B.
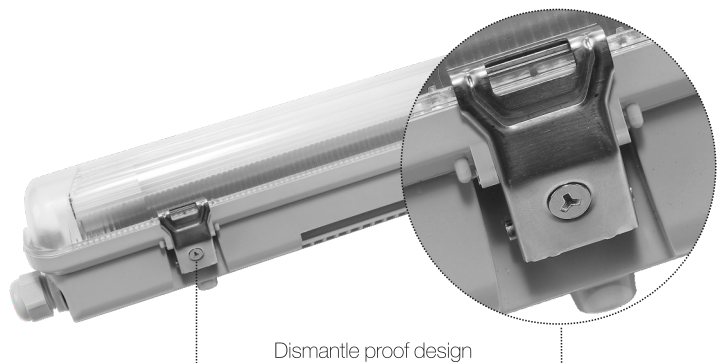
Dismantle proof design

IP65 **IK08** **3YR WARRANTY**
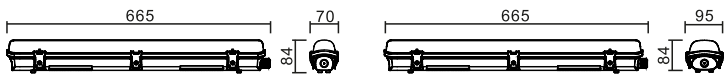
A With Metal Reflector Product Specification

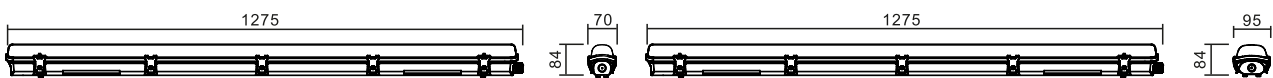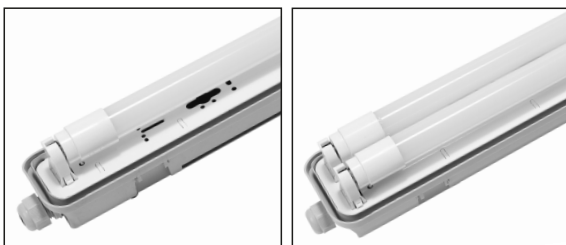| With Metal Reflector: **2ft YH15-106T-A & YH15-206T-A** | Single Tube | Twin Tubes |

Product Size: Unit: mm

665   70   665   95
84   84
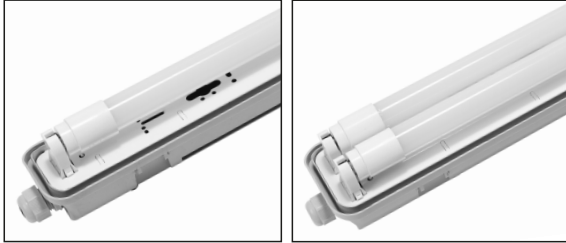
| With Metal Reflector : **4ft YH15-112T-A & YH15-212T-A** | Single Tube | Twin Tubes |

Product Size: Unit: mm

1275   70   1275   95
84   84
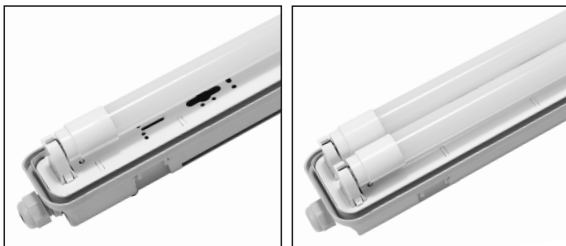
| With Metal Reflector : **5ft YH15-115T-A & YH15-215T-A** | Single Tube | Twin Tubes |

Product Size: Unit: mm

1575   70   1575   95
84   84
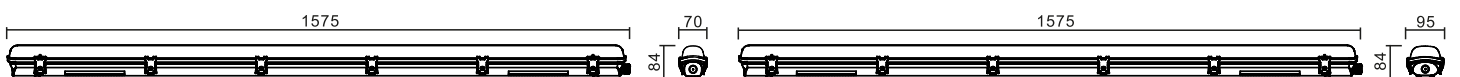
A With Metal Reflector Product Specification

【Kindly Reminder】
Thank you very much for purchasing our products. In order to make sure that you can fully understand the product and use it correctly and safely,
please be sure to read this manual carefully. Please keep this manual for future reference. This product is guaranteed for two years from the date of purchase.
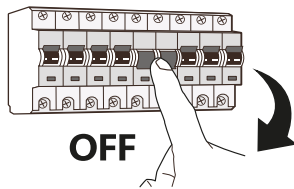
【Attention】
① In order to ensure the correct use of the product, please be sure to use it at the rated voltage that specified in the product package or the label.
② Lamps should be connected correctly. Keep the connection be firm, reliable and well grounded. Pay attention to keep in the correct position to install lamps.
③ All internal wiring must be checked before lighting on the lamp.
④ Please cut off the power supply when you maintain or install the lamp. And please confirm that the light source and electrical appliances are correctly installed before you connect the power supply.
⑤ Don't install it on the deformed surface.
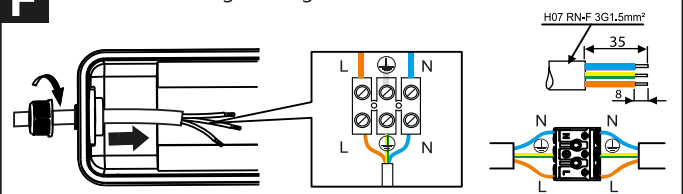⑥ When the lamp is abnormal, please cut off the power supply and contact the agent or manufacturer immediately.

【Installation】
① Installation work must be done by qualified electrician.
② This lamp can not be used in bad conditions.
③ Prohibited to drill at any position of the lamp body.
④ After installation, check and confirm no connection short circuit before connecting the power supply.
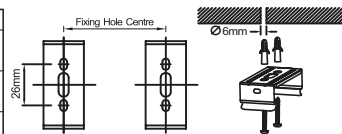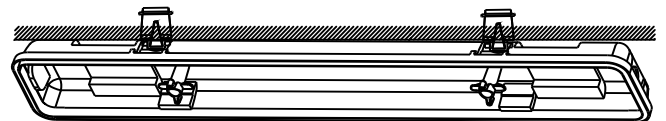
A Turn off the power.

OFF

B Open the package and take out the product. Drill Φ 6mm hole according to the right drawing, and fix the hole spacing.

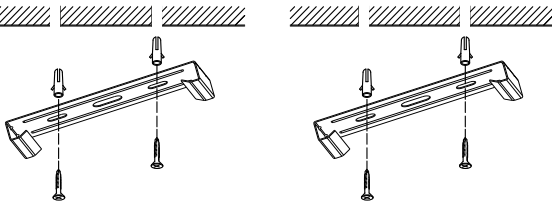| Model	Power	Fixing Hole Centre
YH15-106T-A	1X10W	330 mm
YH15-206T-A	2X10W	
YH15-112T-A	1X18W	840 mm
YH15-212T-A	2X18W	
YH15-115T-A	1X24W	1120 mm
YH15-215T-A	2X24W	

Fixing Hole Centre
Ø 6mm
28mm

C Φ 6mm expansion pipe insert pushed into the wall and fixed celing brackets M4 screw.

D Install lamp housing on the celing brackets.

E Open metal plate.

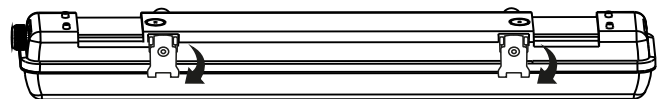**F** Put the cable through cable gland terminal board like below show.

H07 RN-F 3G1.5mm²
35
8
L N
L N
N N
L L

G 1. After wiring, fix metal plate on the housing tighten, then install T8 LED Tubes properly.

2. Close the diffuser.

H Turn on the power.

ON