

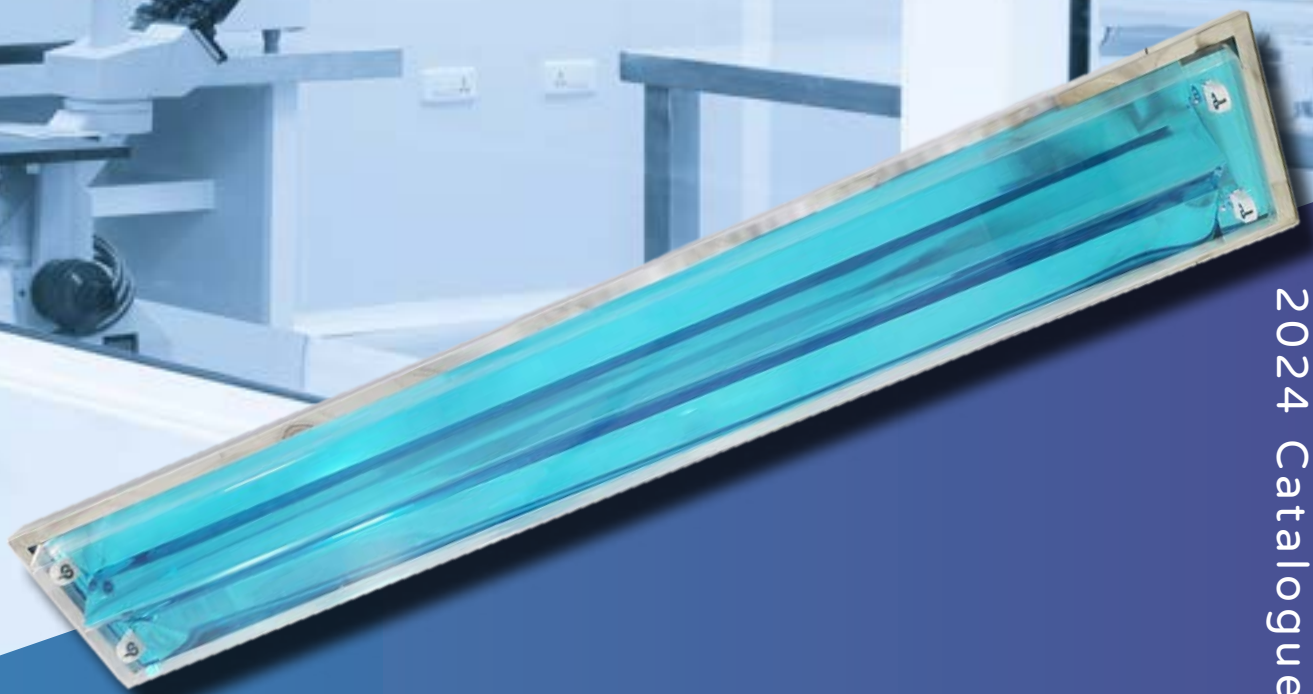
BEST

Benson Energy

Saving Technology

Clean Room Luminaire

ECO-DESIGN
Pursuing BEST lighting





BENSON ENERGY SAVING TECHNOLOGY CO., LTD

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Designed For
Semiconductor Clean Room

About us

We are a professional LED lighting manufacturer in Taiwan.

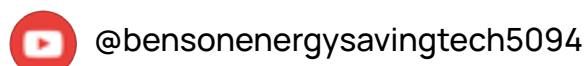
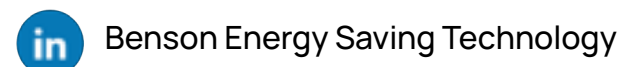
We have a group of technicians and engineers with strong R&D capability who has extensive experiences in problem solving, innovative thinking, and design and custom Microcontroller programming (MCU). We are committed to providing customized MCU programming to our clients, to accomplish and achieve their goals and meet their specific requirements.

Our services cover a wide range of industries and application areas, including smart homes, industrial automation, medical devices, and the Internet of Things (IoT), etc.

Our existing LED lighting products and services are replaceable LED light sources, dimmable and non-dimmable LED driver (power supply), wireless/wired control switches, AIoT energy-saving smart lighting systems, as well as customized product design and OEM services.

Benson Energy Saving Technology is your best business partner.

Our goal is to meet the needs of our customers, provide excellent services, and establish long-lasting relationships based on trust. Together, we can collaborate and create a win-win situation.



**We have built-up long-term business relationships
with many customers around the world.**



Having more than 100 skilled workers and the equipment such as Automatic SMT machines, Reflow Soldering machines, IES testing system, Automatic aging lines, and other sophisticated instruments.

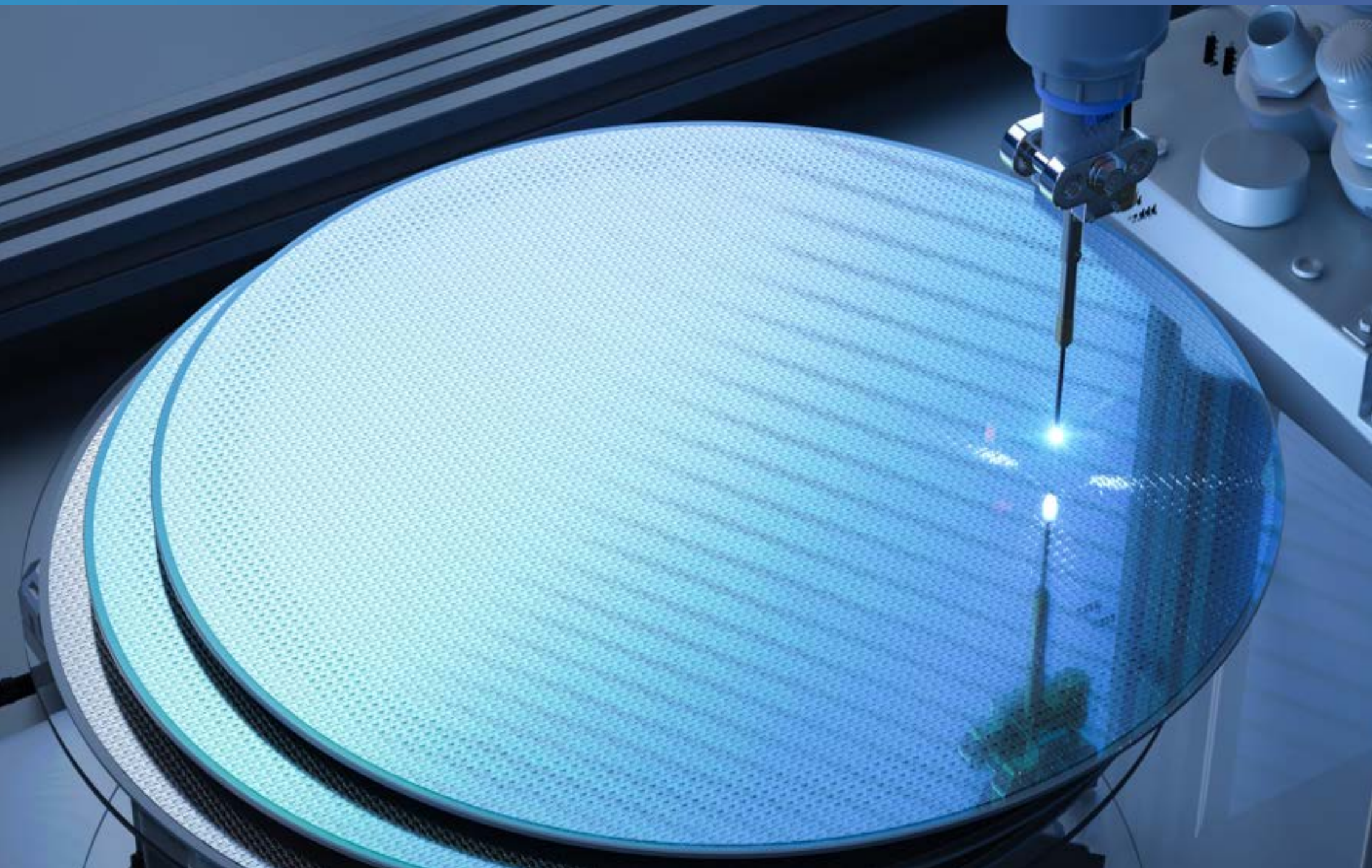


Production Capacity

BEST has the modern manufacturing plant covering 8000 square meters at Zhongshan City, Guangdong (廣東省中山), China.

Monthly production Capacity: Above 300,000 pieces of LED products. We have built-up long-term business relationships with many customers around the world.

BEST provides OEM and ODM customized services for lighting suppliers in more than 25 countries. The high-quality products and services have won many praises in the lighting industry. We have also assisted hundreds of companies to replace fluorescent lamp into LED lights. With rich experience and good reputation, we are your BEST trusted company.



Designed For **Semiconductor Clean Room**

The European Chips Act entered into force on 21st September 2023, and aims to boost the Europe Union's own manufacturing capacity in semiconductors. Chips and semiconductor materials are now considered the most important products and are everywhere: in your phone, your car, your computer, even in your fridge! Moreover, the more and more phased out fluorescent items under European policy this year. LED lighting is coming up for less energy consumption and longer lifetime.

Benson Energy Saving Technology is following the global trend, and we have developed the special LED lighting design for semiconductor cleanrooms. We can offer the luminaire and retrofitting LED lighting for all solutions.

For the yellow semiconductor cleanroom, we have the yellow LED tubes/lamps that is designed for semiconductor clean room to filter out blue light (cut-off under 500nm) or for photo lithography, print shop or any blue light sensitive area. It is also impressive that the function can be used in old fluorescent luminaires to have electronic ballasts compatible, magnetic ballasts compatible or direct AC/DC power supplier. We can also provide customized LED lighting products according to your needs.

Yellow LED lighting INDUSTRIAL LIGHTING

Cleanroom Selection: Retrofitting LED lighting for all solutions.

Benson Energy Saving Technology, expert in retrofitting lighting solutions, support you in the replacement of T5, T8, 2G11 and more fluorescent tubes/lamps.

For your office, factory, and cleanroom applications, we offer you customized solutions of plug & play LED tubes or LED lamps that meet your specifications while maintaining your existing installations and equipment.

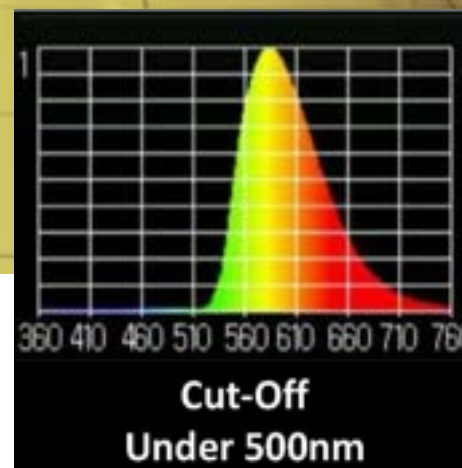
Available in 12VDC and 24VDC, other voltages on request.

Available in electronic ballasts compatible, magnetic ballasts compatible, or AC power direct supply.

Available in non-dim or dimmable LED drivers, and other smart control on request.

Available in 500nm cutoff yellow light, 2000K, 2700K, 4000K, 6000K and other color temperatures on request.

All sizes are available and other special lengths on request.



Cleanroom selection: luminaires with T8 LED tubes.

These clean room luminaires are complaint with all relevant standards (CE, EMC, RoHS)

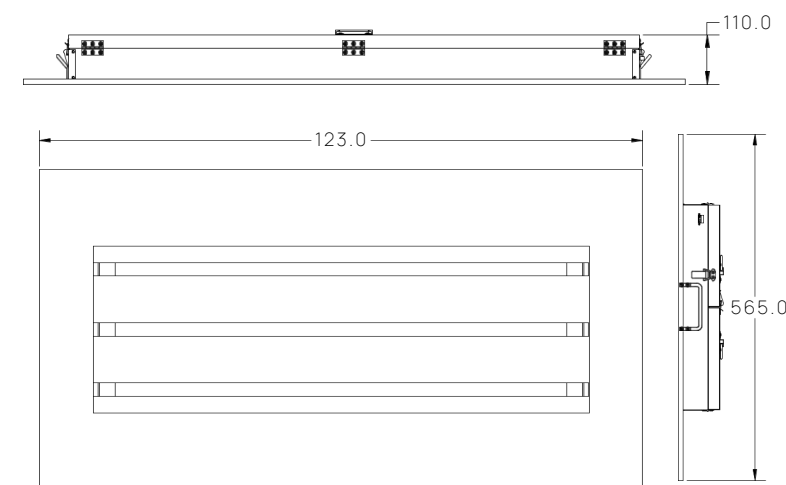


Benefits

- Low maintenance costs due to long lifetime of the luminaire and LED tubes
- LED tubes can be customized for different applications.
- Light source replaceable T8 LED tubes : Special yellow LED tubes, flicker free LED tubes, Sensor dim LED tubes , Microwave sensor/PIR sensor integrated LED tubes, 0 10V/PWM/TRIAC dimmable LED tube sets)
- Luminous efficacy can be up to 160lm/W. (general lighting only)

Application

- Food production facilities and kitchens
- Hospitals and Care Centers
- Clean production areas



01

Recessed clean room with top access

Housing

High Quality white powder coated with aluminum body

Cover

Clear Glass

Voltage

220V

Ambient Temperature

0°C~40°C

Humidity >90%

ITEM

BEST-R7108-CL

BEST Match LED Type

T8 3.5ft LED tubes*3 (1047mm)

Size

L : 1165 mm W : 565 mm H : 110 mm



02

Recessed clean room with top access

Housing

High Quality white powder coated with aluminum body

Cover

Clear Glass

Voltage

100-277V

Ambient Temperature

0°C~40°C

Humidity > 90%

ITEM

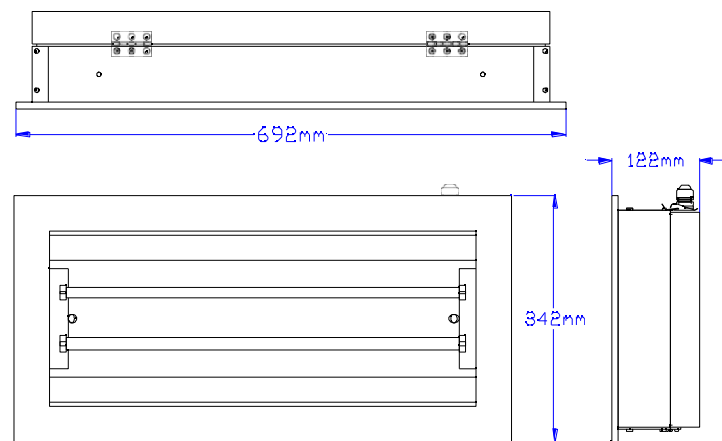
BEST-R1001

BEST Match LED Type

T8 2ft LED tubes*2

Size

L : 692 mm W : 342 mm H : 122 mm



03

Recessed clean room with top access

Housing

High Quality white powder coated with aluminum body

Cover

Clear Glass

Voltage

110-277V

Ambient Temperature

0°C~40°C

Humidity > 90%

ITEM

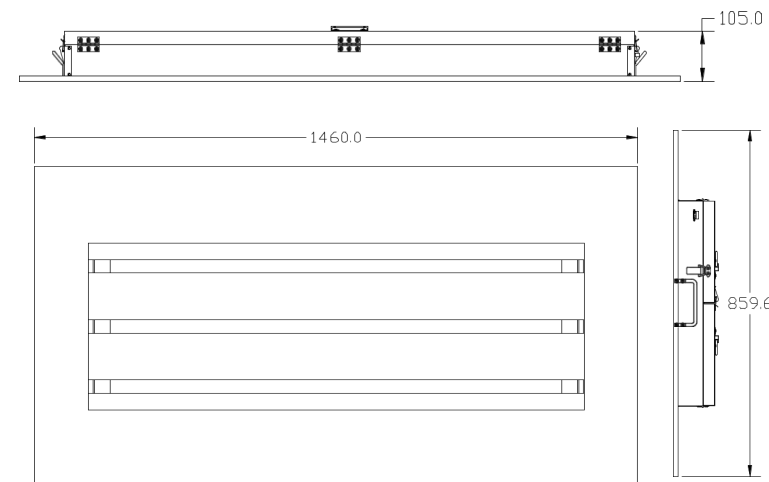
BEST-R1002

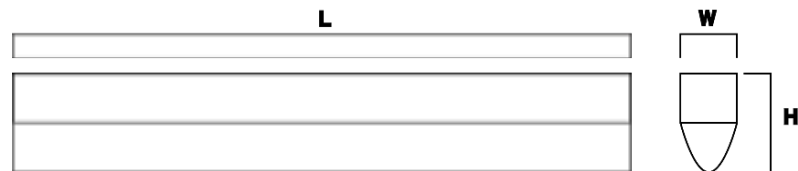
BEST Match LED Type

T8 4ft LED tubes*3

Size

L : 1460 mm W : 859.6 mm H : 105 mm



**04**

Recessed clean room with top access
surface mounted

Housing
High Quality white powder coated with
aluminum body

Cover
Plastic

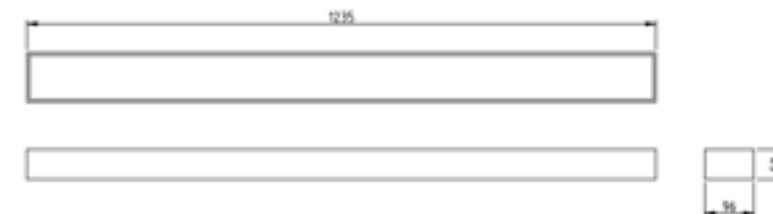
Voltage
110-277V

Ambient Temperature
0°C~40°C
Humidity >90%

ITEM
BEST-CRL001-T82F / T84F

BEST Match LED Type
T8 2ft LED tubes*2 / 4ft LED tubes*1

Size
L : 624 mm W : 500 mm H : 97 mm (2F)
L : 1220 mm W : 500 mm H : 97mm (4F)

**05**

Recessed clean room with top access
surface mounted

Housing
Aluminum alloy

Cover
Milky white acrylic / diffuser plate

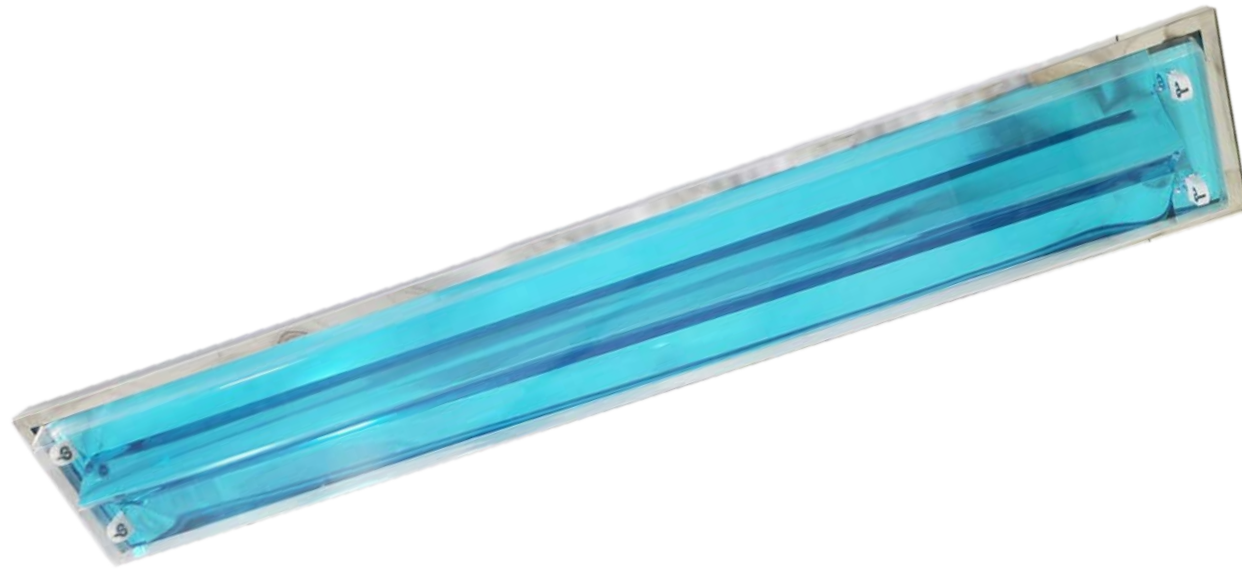
Voltage
110-277V

Ambient Temperature
0°C~40°C
Humidity >90%

ITEM
BEST-OF001-T84F2

BEST Match LED Type
T8 4ft LED tubes*2

Size
L : 1235 mm W : 96 mm H : 58 mm



06

Individual surface mounting
surface mounted

Housing
Aluminum

Cover
Plastic

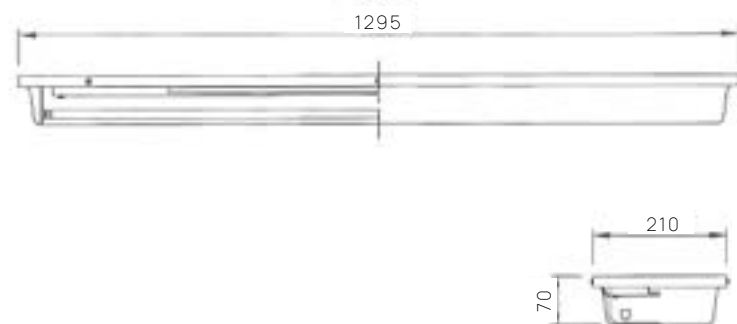
Voltage
110-277V

Ambient Temperature
0°C~40°C
Humidity > 90%

ITEM
BEST-CRL002-T84F

BEST Match LED Type
T8 4ft LED tubes*2

Size
L : 1295 mm W : 210 mm H : 70 mm



07

IP65 Tri-proof LED Ceiling lamp
surface mounted

Housing
PC material in one-piece molding
Stainless steel buckles
Waterproof gasket
IP 65 protection

Cover
Plastic

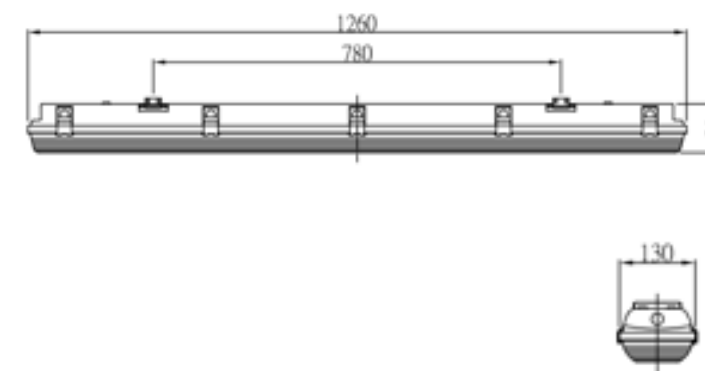
Voltage
110-277V

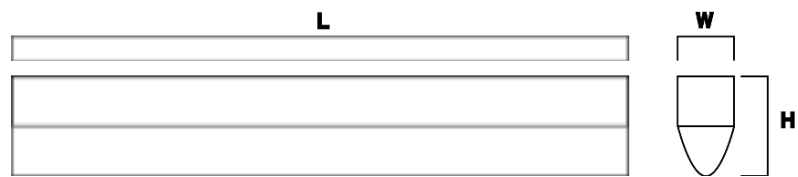
Ambient Temperature
0°C~40°C
Humidity > 90%

ITEM
BEST-CRL003-T84F1 / T84F2

BEST Match LED Type
T8 4ft LED tubes*1 / *2

Size
L : 1260 mm W : 96 mm H : 91 mm (F1)
L : 1260 mm W : 130 mm H : 91 mm (F2)





08

Linear Ceiling lamp in single or double T8 LED tubes – grille/milky cover surface mounted

Housing
High Quality white powder coated with aluminum body

Cover
Plastic

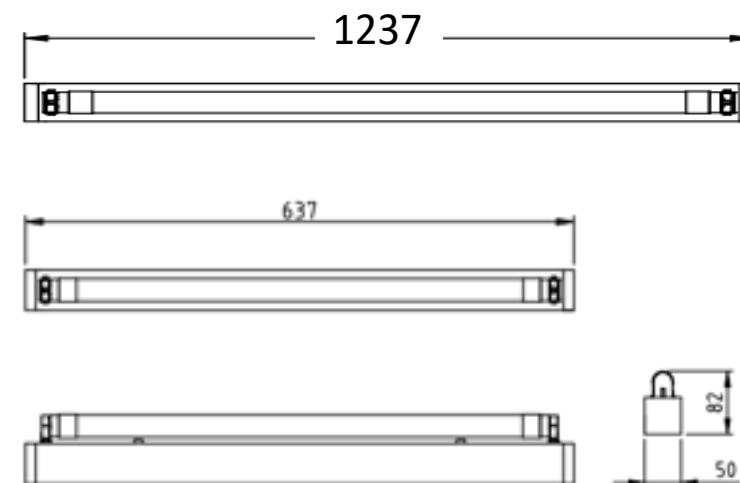
Voltage
110-277V

Ambient Temperature
0°C~40°C
Humidity >90%

ITEM
BEST-OF002-T84F / T84F2

BEST Match LED Type
T8 4ft LED tubes*1 / *2

Size
L : 1240 mm W : 95 mm H : 45 mm (4F)
L : 1295 mm W : 210 mm H : 70 mm (4F2)



09

Linear ceiling lamp with 24VDC T8 LED tube with internal LED Driver Wall mounted or ceiling mounted

Housing
Steel with painting

Cover
Without cover

Voltage
110-240VAC

Ambient Temperature
0°C~40°C
Humidity >90%

ITEM
BEST-OF003-T82F / T84F

BEST Match LED Type
T8 24V DC 600mm*1 / 1200mm*1

Size
L : 637 mm W : 50 mm H : 82 mm (2F)
L : 1237 mm W : 50 mm H : 82 mm (4F)

Benson Energy Saving Technology has seriously taken social responsibility of environmental protection as our mission in order to counter against to global climate change and implement low-carbon economy.

We believe that to become the BEST business cooperation partners with customers is to provide the BEST service. BEST dedicates in technology of Light Emitting Diodes (LEDs), and develops our LED products and innovate new technologies to provide total solution services to our customers. Benson Energy Saving Technology is looking forward to becoming the standard benchmark of the global lighting industry.



大正節能科技有限公司
BENSON ENERGY SAVING TECHNOLOGY CO., LTD