LED Linear High Bay

T20

- Commercial lighting
- Industrial lighting
- Vapor tight light
- Linear High Bay
- Canopy

c(UL)us LISTED E465485   DLC Premium   FC

MULTI INSTALLATION WAYS TO SAVE YOUR LABOR COST.

The T20 is a Vapor tight with high efficiencies of 150 lm/W, an aluminum body to enhance heat dissipation, and flexible installation supporting either surface or suspended mounting kits. Designed with a full-length polycarbonate lens, it is a waterproof, dustproof and corrosion proof product that can be used in a wide variety of industrial and commercial environments such as warehouses, parking lots, stairwells, and many others. It can be linkable, dimmable, with motion sensor and emergency working. 7 kinds of installation way can much save the labor cost.

FEATURES

- Offered in 40W, 80W, 100W versions
- High efficiency:150LM/W
- CNumerous side and rear 1/2" knockouts
- Tool-less entry for ease of installation
- Extruded aluminum with polycarbonate impact resistant covering withstand exposure to a variety of impact and weather
- Recommended installation height to be 2-15M
- Universal input voltage 120-277VAC
- Linkable
- Optional 0-10V dimmable, motion sensor, battery back-up versions available
- To replace traditional: Linear Vapor Light fixture,Linear highbay,Canonpy.
- IP65.IK08.
- Optimal performance and long life is ideal for commercial and industrial applications

APPLICATION

- **INDUSTRIAL**
  Warehouses,Production halls ,Parking areas

- **EDUCATION**
  Classrooms,Cafeteria,Auditorium ,Sports halls,Pools

- **SEMI-OUTDOOR**
  Car parks ,Pools ,Airports,Train stations, Bus stations ,Park, Toll stations

- **SHOP & RETAIL**
  Shopping mall,Supermarkets,Retail stores,

- **ARCHITECTURAL**
  Exhibition center ,Library,Art Museum,Concert hall,Museum
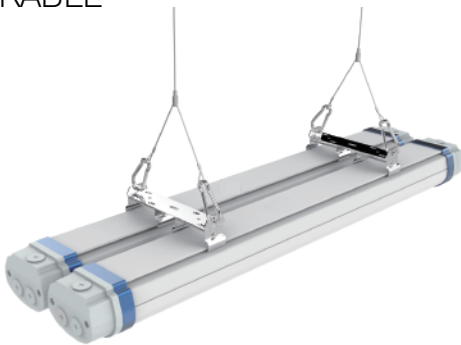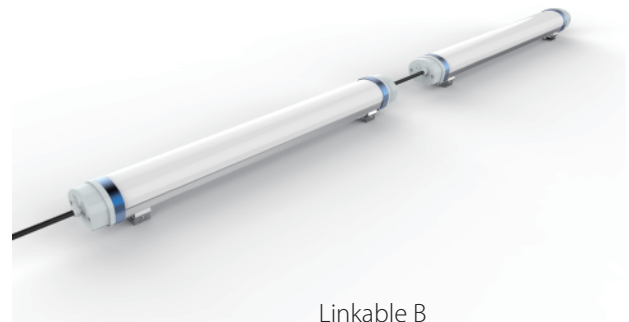
FEATURES

Quick Connetor

E N L
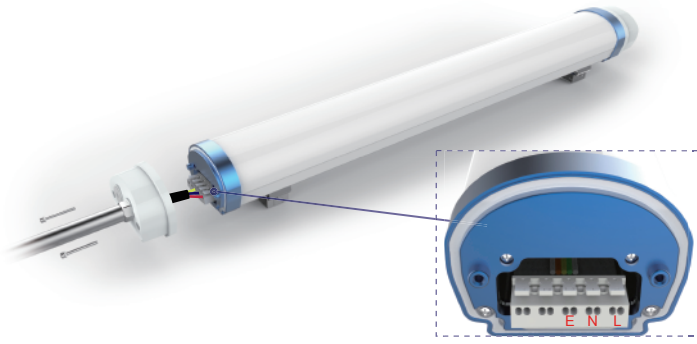
IP65   IK08

100W Linear High Bay

■ LINKABLE

Linkable A

Linkable B

SIZE

Size A	Size B(mm)	Size C(mm)
2FT	109	84
4FT	109	84
5FT	109	84

A

C

B

PARAMETER

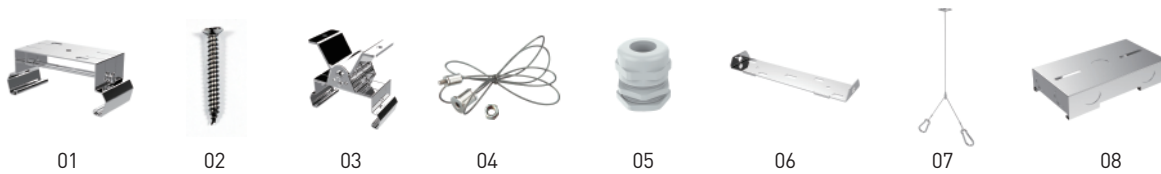| Model NO. / Length	Power (W)	Clear Lumens	Cover Lm/W
T20 (2FT)	40	4400	110
T20 (4FT)	40	4400	110
T20 (4FT)	80	8800	110
T20 (5FT)	100	11000	110

Notes:
• Frosted cover is 10Lm/W less than clear cover,
above lumens based on 4000K Ra : 80
• All values in +25°C ambient temperature,
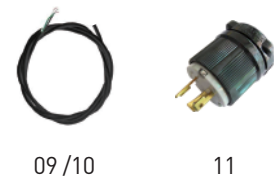luminous flux tolerance +-5%, output power tolerance +-5%.

Light Source : 2835

CRI Range : 80 / 90 / 95

CCT Range : WW(3000K) NW(4000K) DW(5000K) CW(6500K)

AC Input : 100-277V /347V 50/60Hz

Beam Angle : 120°

Light Efficiency(Clear): 110Lm/W (Standard), 150Lm/W(High efficiency)

Waterproof : IP65 & IK08

Recommended Installation Height : 2-15M

Temperature : (Storage : -40~+85°C) (Operating : -20~+40°C)
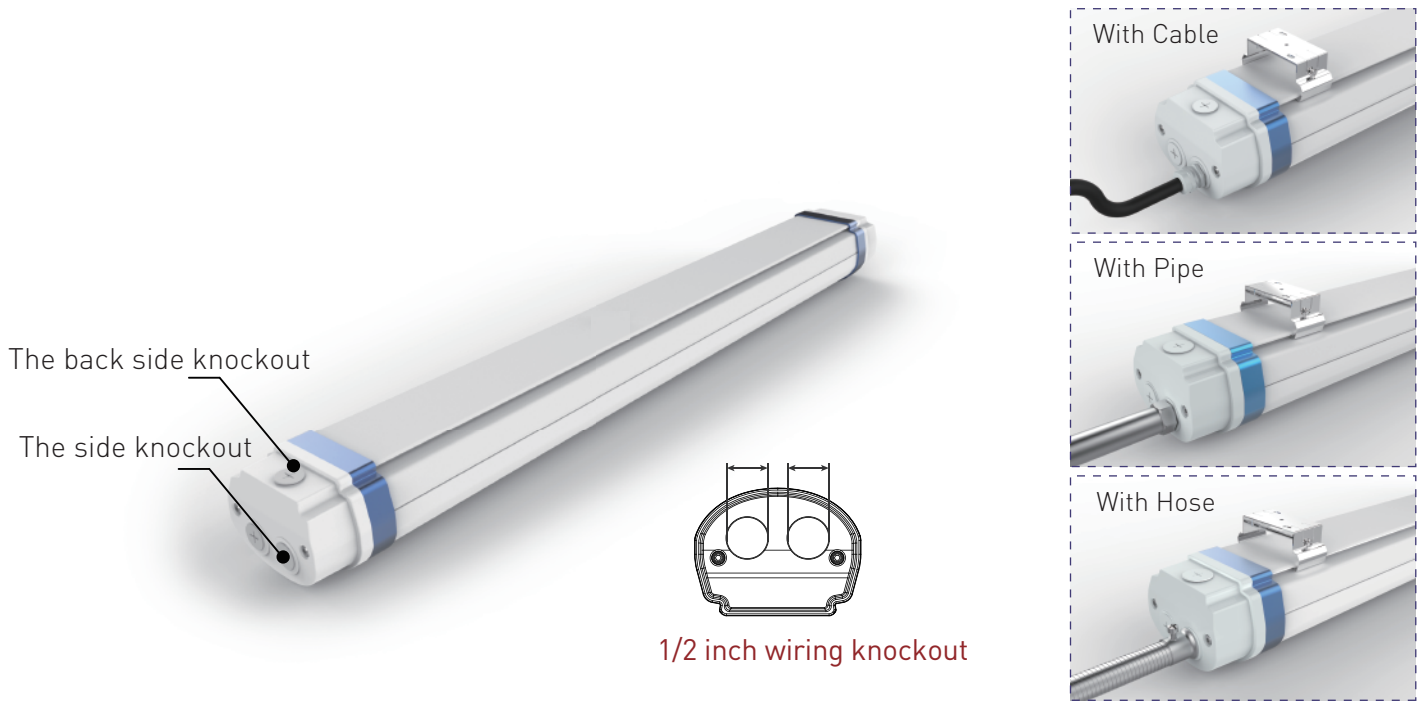
PF:≥0.93   THD<20%   Power Efficiency:≥0.87

Function : ☑ Dimmable   ☑ Emergency   ☑ Motion Sensor   ☑ Linkable

ACCESSORY PART NUMBER MATRIX

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 |

MOUNTING ACCESSORIES

ACCESSORIES	IMAGE	DESIGNTION	MATERIAL	DESCRIPTION	QUANTITY	ACCESSORY USE
Standard	01	METAL BRACKET	Stainless steel	75.6x35x33.3mm	2PCS	Used for the suspending and Ceiling Mounted.
	02	SCREW	Stainless steel	4X20mm	4PCS	Used for the Ceiling Mounted.
Optional	03	ANGLE CHANGEABLE CLIP	Stainless steel	75.6x35x71mm	2PCS	Used for the Ceiling Mounted.
	04	SUSPENDING CABLE	Stainless steel	1M/1.2M/1.5M/3M	2PCS	Used for the suspending.
	05	NPT 1/2	PC	Length of thread:8mm	1PCS	Dimension : 9mm<Cable<12mm
	06	EXPEND BRACKET	Stainless steel	175x40x17.2mm	2PCS	Used for the suspending.
	07	MATCH FOR 03	Stainless steel	1M/1.2M/1.5M/3M	2PCS	Used for the suspending.
	08	JUNCTION BOX	Stainless steel	140x80x36.8mm	1PCS	Used for the suspending and Ceiling Mounted.

SENSOR ACCESSORIES

Accessories	IMAGE	DESIGNTION	MAX VOLTAGE	QUANTITY	ACCESSORY USE
OPTIONAL	09	CONNECTING LINE	380V	1PC	UL THREE CORE CABLE
OPTIONAL	10	CONNECTING LINE	600V	1PC	UL THREE CORE CABLE
OPTIONAL	11	NEMA PLUG(US)	120-277V	1PC	TRIGEMINAL JOINT

09 /10   11

INSTALLATION

A. FLEXIBLE 1/2" KNOCKOUTS

With Cable

With Pipe

With Hose

The back side knockout

The side knockout

1/2 inch wiring knockout

B. INSTALLATION GUIDE

A: Function Hole

B: Direct Wire Hole

A   B

E N L
Standard

+ - E N L
Dimmable
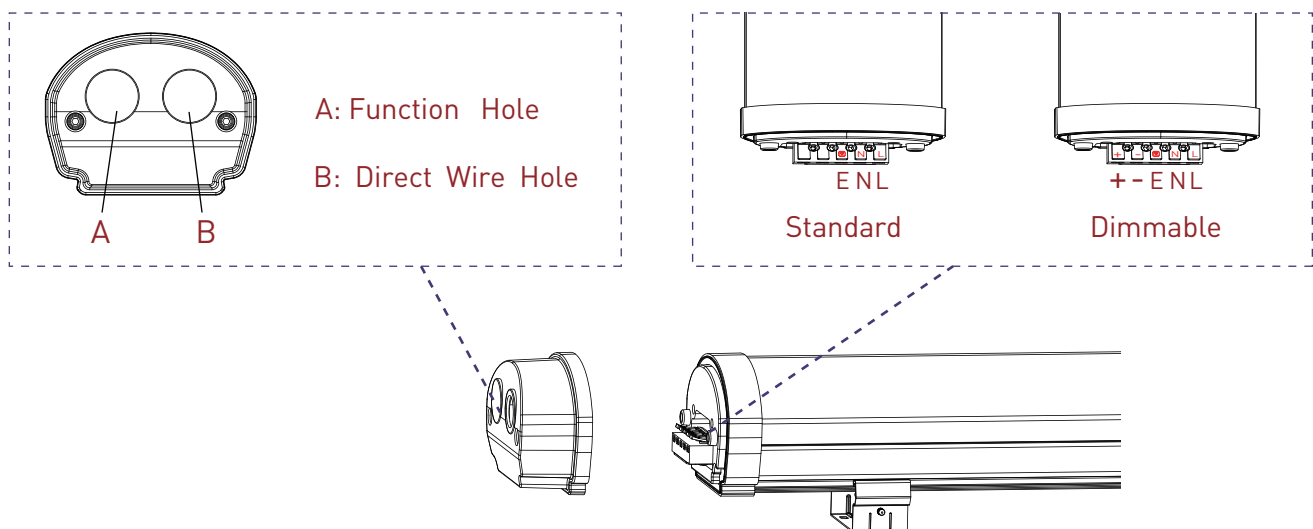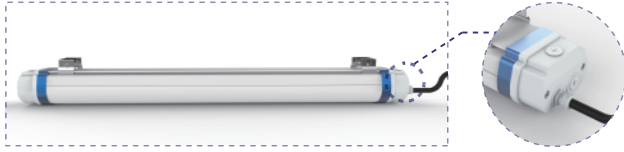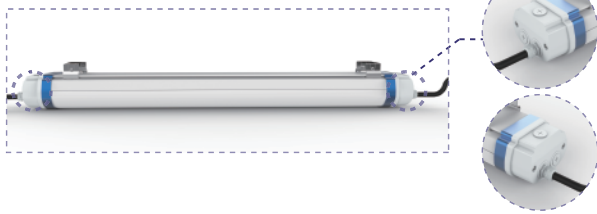
■ Note: If the power is greater than 60W, when using the 0-10V dimming function, the light cannot be completely extinguished when adjusted to 0V.
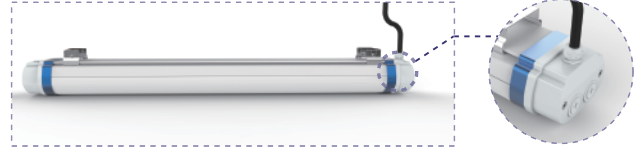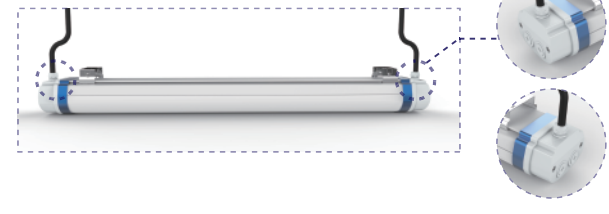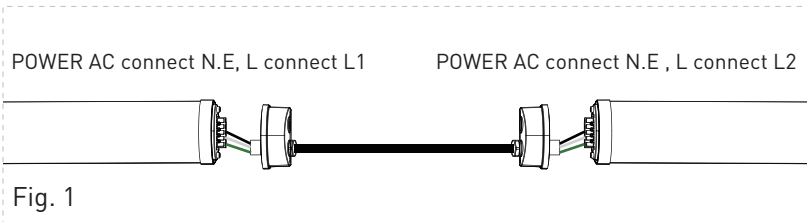
C. WIRING METHOD

■ The side line

■ The back side line

■ Linkable 1

■ Linkable 2

D. LINKABLE INSTALLATION

POWER AC connect N.E, L connect L1   POWER AC connect N.E , L connect L2
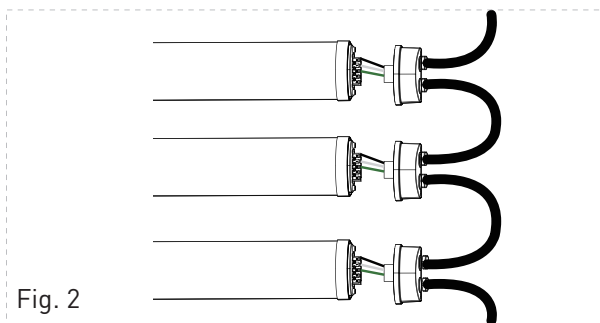

Fig. 1

1a Linkable 1

Lateral connection (switch 3 is on, fixture L3 connect power L is on, others are off)

2a Linkable 2

Vertical connection(ONE SWITCH CONTROL),Can choose three core wires(use for general lighting &


Fig. 2

■ How many LED fixtures we could connect on one phase.

Input Voltage	Max Qty	Size A
100VAC/40W	9	optional
100VAC/80W	4	optional
100VAC/100W	3	optional

Input Voltage	Max Qty	Size A
277VAC/40W	18	optional
277VAC/80W	9	optional
277VAC/100W	7	optional

Input Voltage	Max Qty	Size A
347VAC/40W	27	optional
347VAC/80W	12	optional
347VAC/100W	9	optional

E. CEILING MOUNT/SURFACE

ACCESSORIES
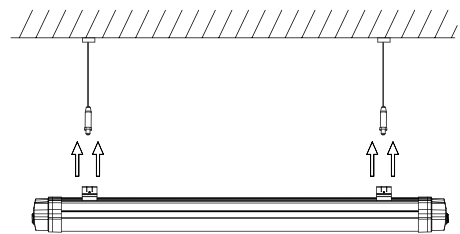**(provided by ERVAN)**

→ Open hole
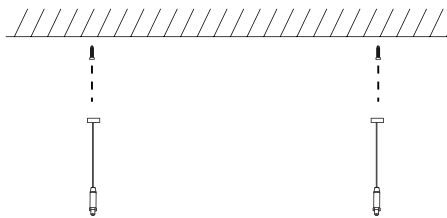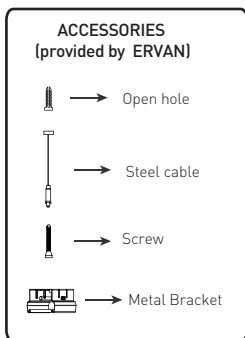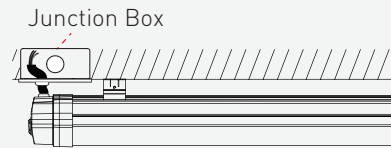
→ Metal Bracket
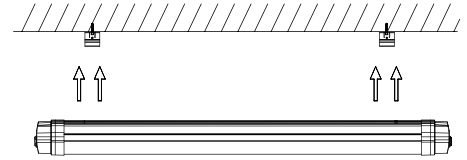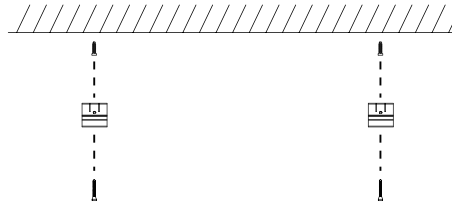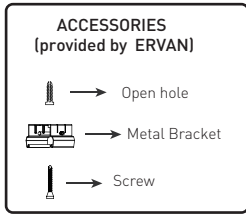
→ Screw

Ceiling Mounted

1. Fasten and secure mounting clips with mounting screws.

2. Fasten fixture to mounting clips as indicated.   Fixture will snap in place.

■ The side line

Junction Box

■ The back side line

Junction Box

ACCESSORIES
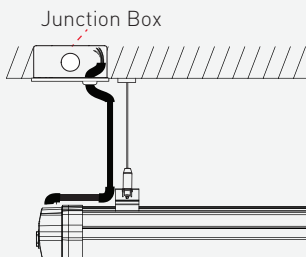**(provided by ERVAN)**

→ Open hole

→ Steel cable
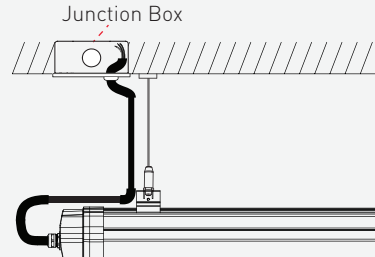
→ Screw

→ Metal Bracket
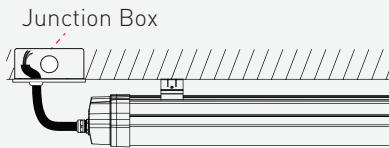
Suspending

1. Secure steel aircraft cables to the ceiling.

2. Secure the cable gripper to the mounting clips.

3. Connect and secure the steel aircraft cable to the   gripper and adjust length accordingly.

■ The back side line

Junction Box

■ The side line

Junction Box

SAFETY WARNING

FOR YOUR SAFETY, READ AND FOLLOW ALL INSTRUCTIONS TO
PREVENT ELECTRIC SHOCK OR FIRE

- INSTALLATION REQUIRES KNOWLEDGE OF LIGHTING LUMINAIRE ELECTRICAL SYSTEMS
  Contact qualified electrician prior to installation
- DISCONNECT POWER BEFORE INSTALLATION
- DO NOT ALTER PRE
- CHECK FOR INCLOSED WIRING COMPONENTS PRIOR TO DRILLING
  Luminaire wiring, ballasts, power supplies or other electrical parts may be damaged.
- USE ONLY ON COMPATIBLE LUMINAIRES
  Installation requires specific dimensions and construction features.

- PROTECT WIRING FROM ABRASION
  Do not expose wiring to sharp objects or edges of sheet metal.

INSTALLATION INSTRUCTIONS

1. Disconnect Power to the circuit supplying power to the fixture

2. Removed the existing lamps and fixture

3. Disassemble new fixture to allow access to the LED Driver

4. Run existing power supply wires into fixture through knock out or end plug on fixture

5. Mount the fixture to surface, or hang fixture with appropriate fixture mounting hardware or install fixture in Tbar Ceiling
   (Be sure to follow local building codes for the appropriate fixture installation methods.)

6. Connect power supply wires to supply wire disconnect to provide power to fixture

7. Re-assemble fixture

8. Re-connect power and check installation

PLEASE NOTE :

This specification is for reference only,we reserve the right to change without notice.If you need the updated info,please contact local distributors or visit our website at http://www.ervan.cn

This product is non-resistant to some chemical substances,please contact the manufacturer for the details.

ERVAN reserves the right of final explanation.

Statement

According to the International Standard of LED luminaire, here ERVAN formally claims that ERVAN LED Tri-proof(Weather proof) series products is only allowed to be applied to indoor or semi-outdoor neutral environment. Meanwhile ERVAN promises full warranty for the products.

Any severe environment application including high/low temperature, high humidity, high salinity, high-ammonia etc..is not permitted without the official confirmation from the manufacturer. If any misapplication happens, the warranty policy is no longer guaranteed.