# LED HERMETIC INDUSTRIAL



## LED-Tri-proof light 36W-50W

IZUMI LED
TECHNOLOGY OF JAPAN

## LED-Tri-proof light 36W-50W



## Product Description

The Hermetic IZUMI LED Linear Industrial Hermetic luminaires have a dust - water protection degree of IP65

## Description

# SL-TBBCDFGH-X-T-H;

1 2 3 4 5 6 7 8

1 ñSLò
- indicates the name of company roducing the product;

2 ñTò
- indicates LED Tri-proof Light

3 ñAò
- indicates power type
  A=DOB driver
  B=built-in driver

4 ñBCDFò
- indicates product dimensions
  0300=300mm
  0430=430mm
  0600=600mm
  1200=1200mm
  1500=1500mm

5 ñGHò
- indicates product power
  18=18W
  36=36W
  50=50W

6 ñXò
- indicates the colour temperature of the product.
  N=3000K , L=4000K ,
  C=5000K , W=6000-6500K
  M= Two kinds of color temperature
  H= Three kinds of color temperature
  J=3000-6500K continuously adjustable

7 ñTò
- indicates the Luminance Efficacy
  R=220-230lm/W S=190-200lm/W P=170-180lm/W
  T=150-160lm/W H=120lm/W N=100lm/W

8 ñHò
- indicates the shape size

# LED-Tri-proof light 36W-50W

## Compliance

IP degree:  IP 65

IK degree  IK 08

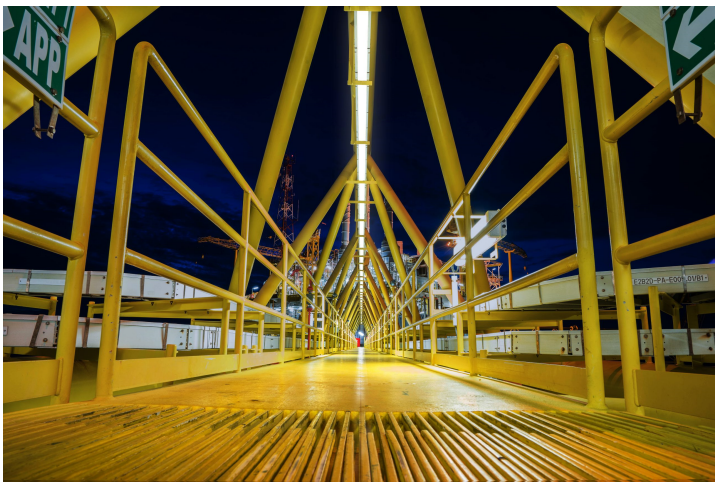
CE / RoHS



## Application

Ideal for

- industries
- ftories
- humid areas and
- other large room lighting.



## Warranty

5-year design lifespan

LED lumen maintenance: L70> 50,000



# Technical Parameter

## Electrical

| Specification | SL-TB120036-X-T-H | SL-TB120036-X-P-H | SL-TB150050-X-T-H | SL-TB150050-X-P-H |
|---|---|---|---|---|
| Power (Tunable) | 36W | 36W | 50W | 50W |
| Input Voltage | 200-240VAC | | | |
| Input Frequency | 50/60Hz | | | |
| Power Factor | >0.95 | | | |
| intelligent control | 0-10V/DALI/Emergency/Sensor | | | |

## Optical

| Specification | SL-TB120036-X-T-H | SL-TB120036-X-P-H | SL-TB150050-X-T-H | SL-TB150050-X-P-H |
|---|---|---|---|---|
| Lumens (lm) | 5400 | 6480 | 7500 | 9000 |
| Lumens/ Watt | 150 / 180 | | | |
| CCT (Tunable) | 3000K /4000K / 5000K / 6000K | | | |
| CRI | Ra80 | | | |
| Beam Angle | 120° | | | |

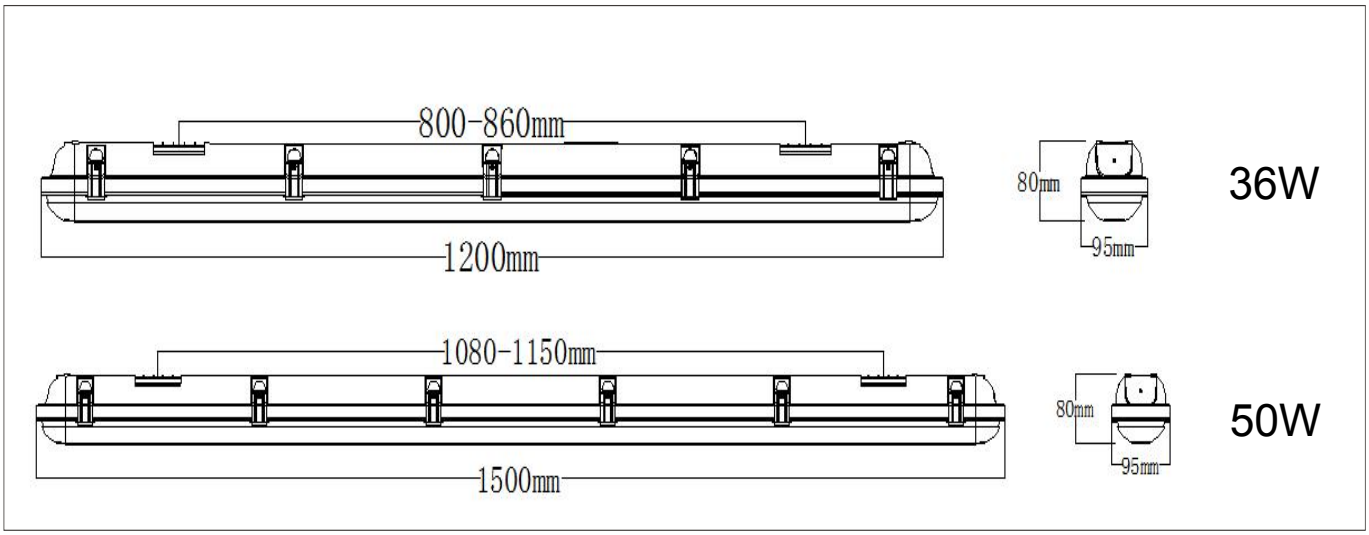
## Environmental

| Specification | SL-TB120036-X-T-H | SL-TB120036-X-P-H | SL-TB150050-X-T-H | SL-TB150050-X-P-H |
|---|---|---|---|---|
| Ambient Temperature | -40ÁC ~ 45ÁC | | | |

## Mechanical

| Specification | SL-TB120036-X-T-H | SL-TB120036-X-P-H | SL-TB150050-X-T-H | SL-TB150050-X-P-H |
|---|---|---|---|---|
| Housing Material | PC | | | |
| LED Type | 2835 | | | |
| Driver | LIFUD | | | |
| Cable Length | 300 mm | | | |

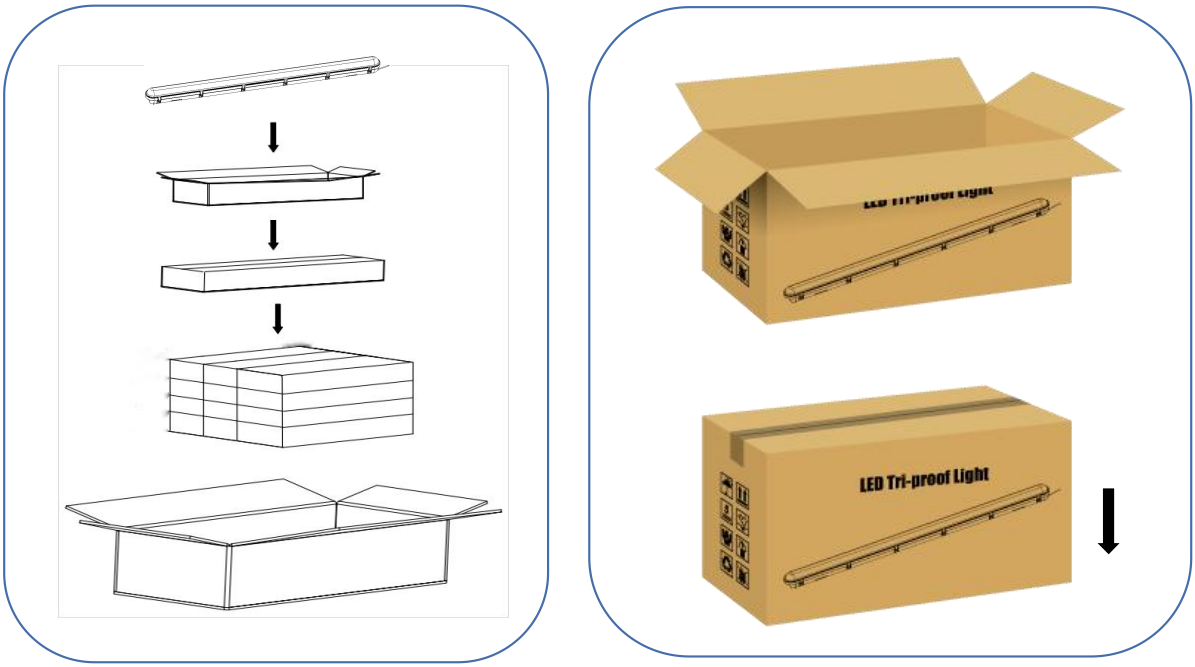
## Product Dimensions




## • Packing Information

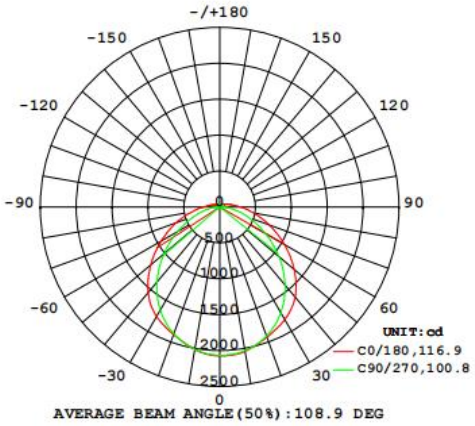
| Model | Power（W) | Carton Size | | Net weight(KG)/PCS | G.W / 1PCS±0.2KG | PCS/Carton |
|---|---|---|---|---|---|---|
| SL-TB120036-X-T-H | 36W | Outer Cartons | L128*W32*H29cm | 1.72 | 18.96 | 9 |
| SL-TB150050-X-T-H | 50W | Outer Cartons | L158*W32*H29cm | 2.14 | 22.77 | 9 |

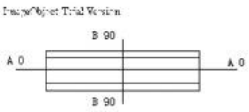
## • Packaging diagram



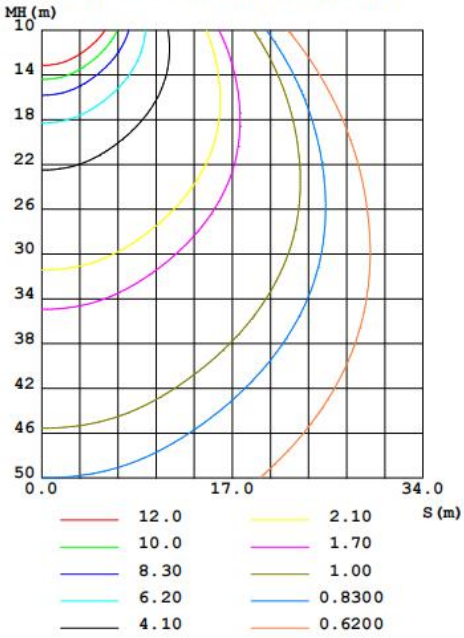
## Photometry

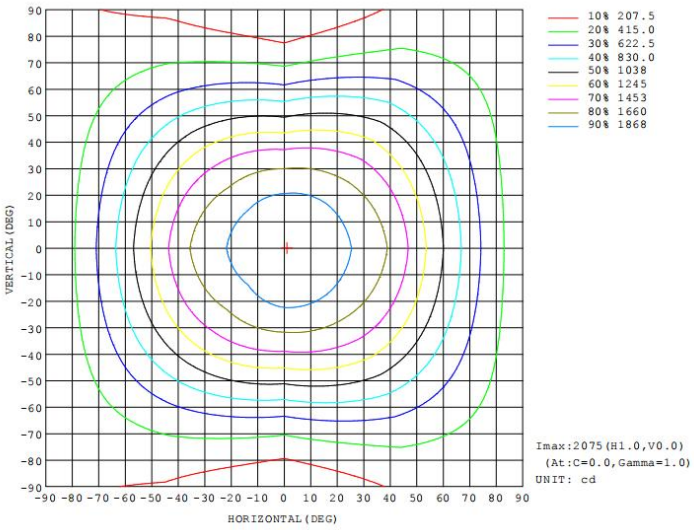
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

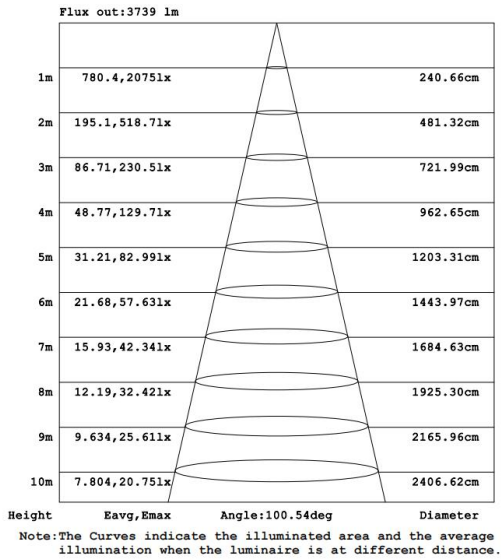



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)

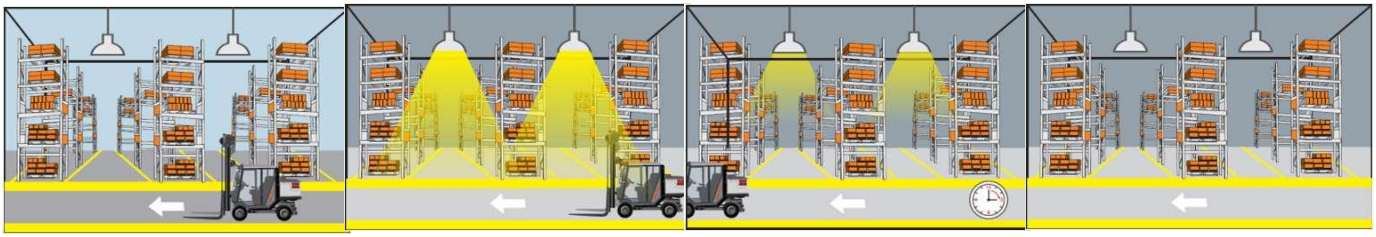



## • Motion detection function

We preset the product in customize, 100%---> low light or off. Easy to install and cost-effective.



## Regular Safety Test

| Test Item | Structure Classification | Testing Conditions | Testing parameters | Testing Time | Limiting Value |
|---|---|---|---|---|---|
| Hipot test | ▪ Class I | input-shell | 1000+2U (AC) | 1min | 10mA Max. |
| | ▫ Class II | input-shell | 2000+4U (AC) | 1min | 10mA Max. |
| | ▫ Class III | input-shell | 500Vac | 1min | 10mA Max. |
| Insulation Resistance | ▪ Class I | input-shell | 500Vdc | 1min | 2MΩ Min. |
| | ▫ Class II | input-shell | 500Vdc | 1min | 4MΩ Min. |
| | ▫ Class III | input-shell | 100Vdc | 1min | 1MΩ Min. |
| Leakage Current | ▪ Class I | input-shell | 220V/50Hz | 10S | 0.5mA Max. |
| | ▫ Class II | input-shell | 220V/50Hz | 10S | 1.0mA Max. |
| Ground Resistance | ▪ Class I | Grounding wirmetal shell | 10A | 1min | 500mΩ Max. |

### • Product Certification

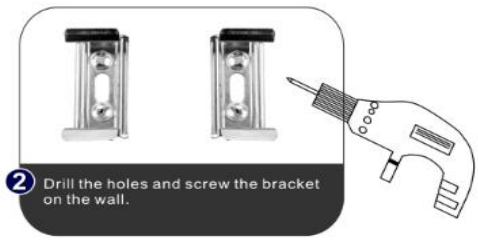
| Certification Categories | Conform to the standard specification | Meet Certified | Certified |
|---|---|---|---|
| CE | EN60598-1; EN60598-2-1; EN62493; EN55015; EN61000-3-2; EN61000-3-3; EN61547; EN62471 | √ | √ |
| SAA | IEC60598-2-1:1979(First Edition)+A1:1987 used in conjunction With IEC60598-1:2014(Eighth Edition) | | |
| RoHS | 2011/65/EU directive (RoHS 2.0) | | |
| Energy Star | ENERGY STAR® Program Requirements Product Specification for Luminaires (Light Fixtures)<br><br>Eligibility Criteria Version 2.0 | | |

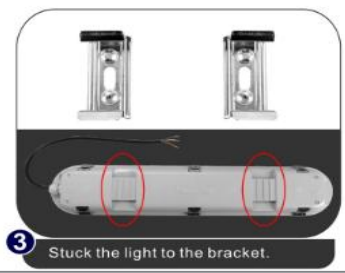
## Installation method 1 Ceiling type Serial link

**A.Surface mounting**





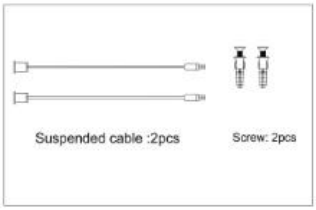



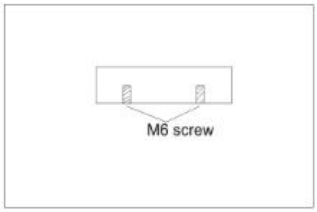



## Regular Safety Test

### B.Suspension



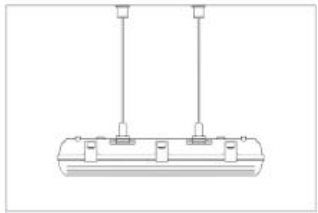

1 Check the suspension cable and screws.




2 Mark the bracket install hole's position on the wall. The distance is 280+/-20 mm for 2fT, 830+/-20mm for 4fT,1110+/-20mm for 5fT

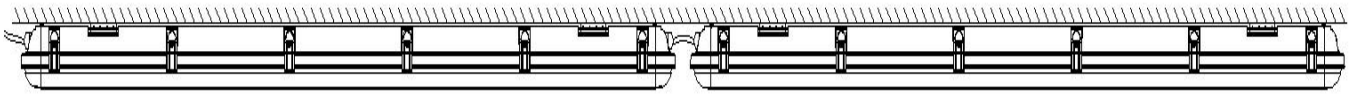


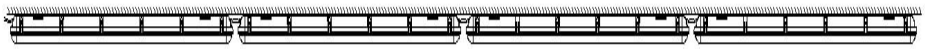
3 Screw the suspension cable on the ceiling



4 Connect the drive to the electric supply, make sure the switch is off and the L/ GND/N connect correct, Please make sure metal cover to enclose the outlet box. done

## Installation method 2



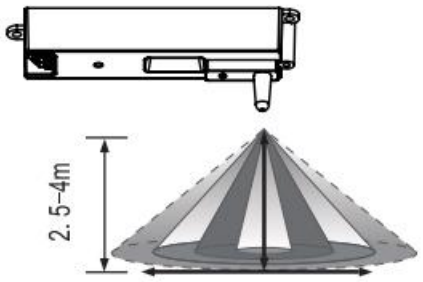


Number of series:
1.2L ≤ 9 PCS
1.5L ≤ 6 PCS

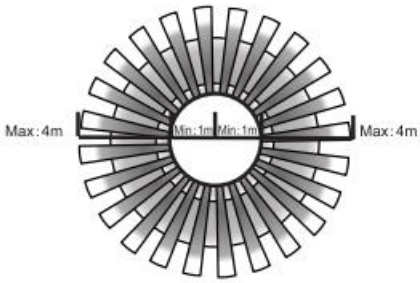
## Cautions:

Before installation, be sure to cut off electricity to avoid electric shock. This is one end wiring LED Tri-proof light with build-in driver. Powered by the voltage labeled on the LED Tri-proof light , no need to add other drivers.
Do not immerse the prduct in water and do not use it in water .
The number of series should not exceed the specified number of connections.

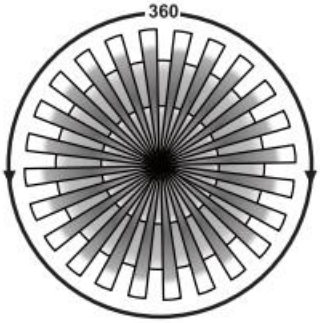
## Sensor information




Height of installation2.5~4M




(Height of installation2. 5M)
Detection range




Detection angle

### Warning ! The following situation will lead to misoperation

1 . Being installed in the rocking object will lead to misoperation

2 . The shaking curtain which is blown by wind will lead to misoperation , please select the suitable installed

3 . Being installed in the place where the traffic is busy will lead to misoperation

4 . It will lead to misoperation when there are sparks produced by some equipment nearby