DUALRAYS
Intelligent . Healthy . Efficient

SPECIFICATION

5 YEAR WARRANTY

D3 LED TRIPROOF LIGHT
(Eco Choice for Your Projects)

CE RoHS ENEC LM79 SAA

Features

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D3
LED Triproof Light

(Eco Choice for Your Projects)

> EPISTAR/SAN'AN High Brightness SMD2835 LEDs (0.5W),High PF Flicker-free Driver,DIP Switch Power Adjustment Optional;;
> Full Plastic PC Housing and Cover,Al Profile PCBA Holder Inside,Eco and Environment Friendly;
> IP65 / IK08 Protection;
> Multiple Installations Optional (Suspension, Ceiling Mounted);
> Singe or Double Wiring,Multiple-link with Double Wiring
> Various Intelligent Control: 1-10V, DALI, Motion sensor, Daylight sensor,Zigbee and Emergency Optional;
> 120°Beam Angle;
> Customized Supported for Special Projects;

CE RoHS LM-79 LM-80 SAA

> High Brightness SAN'AN SMD2835 LEDs, BOKE High PF Flicker-free Driver DIP Switch Power Adjustment Optional;
> Full Plastic PC Housing and Cover,Al Profile PCBA Holder Inside,Eco and Environment Friendly;
> IP65 / IK08 Protection;
> 120°beam angle;
> Single or Double Wiring Optional,Linkabkle Thrugh Double End Wiring;
> Multiple Installations: Suspension, Wall Mounting;
> Various intelligent control: 1-10V, DALI, Motion sensor,Daylight sensor,Zigbee and Emergency;
> No UV or IR and completely mercury free;
> L70/B20 @ 54.000h;
> Customized supported for special projects;

Options:
> Driver: BOKE fixed power driver,DIP switch power adjustable driver;
> Controls and Dimming: Zigbee wireless control / 1-10V Dimming / Daylight sensor,Microwave sensor,Emergency;
> Plug: European / Australia plug with 0.75mm2/1.5mm2/2.5mm2 3-pins or 5-pins (dimming) cable;
> Installation : Suspension, Wall Mounting;
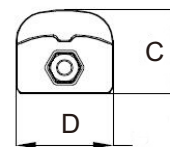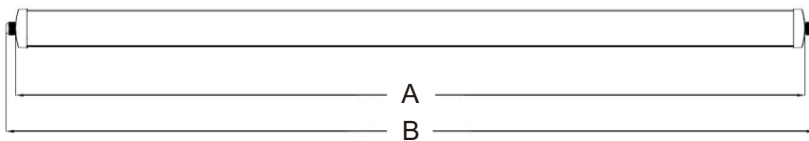> Wiring: Single or double wiring;

Application
> Replacement for fluorescent NCF;
> Workshops and warehouse ;
> Garage and car parks ;
> Sport facility ;
> Corridor/Gallery/Corridor ;
> Outdoor & Indoor Locations ;

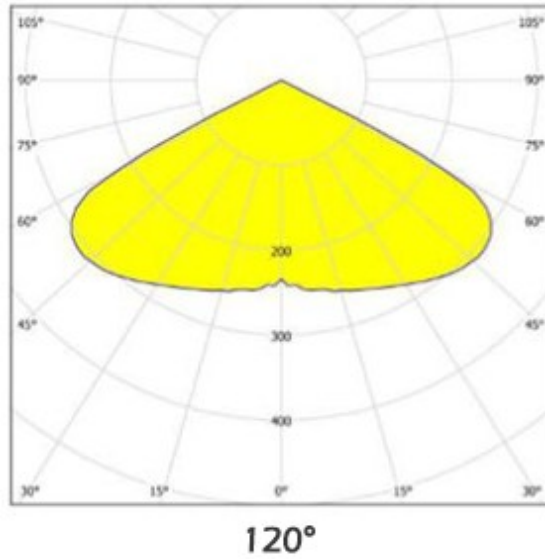Web: www.DUALRAYS.com | Tel: +86-(0)755-2306 6948
Fax: +86-(0)755-6164 1072 | Email: info@DUALRAYS.com
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Technical Parameters

Model No.	DR-TP020-CG2XPX	DR-TP030-CG4XPX	DR-TP040-CG4XPX	DR-TP040-CG5XPX	DR-TP050-CG5XPX
System Watts/W	20W	30W	40W	40W	50W
System Efficiency/LPW	130LPW / 160LPW Optioanl				
Lumen Output/lm	2.600/3.200±5%	3.900/4.800±5%	5.200/6.400±5%	5.200/6.400±5%	6.500/8.000±5%
Rated Input Voltage/V	AC200~240V 50/60Hz (AC100~277V, 50/60Hz Optional)				
LEDs Light Source	SMD2835				
SDCM	<6				
CCT/K	5000K for Standard (3000K/4000K/5700K/6500K Optional)				
CRI/Ra	>80Ra (>70Ra for Option)				
Power Factor	>0.91				
THD	<10%				
Beam Angle(Optional)	120°				
UGR	<22				
LED Driver	BOKE Fixed Power/ DIP Switch Power Adjustable Optional				
IP Rating	IP65				
IK Level	Ik08				
Dimming(Optional)	1-10V, DALI,Zigbee				
Emergency(Optional)	5W@3 Hours or Customized				
Sensor (Optional)	Daylight sensor/Microwave Sensor				
Protection Class	Class I				
Finishing Color(Optional)	RAL9016 Matt White				
Material	PC+PC				
Lifespan/hrs	54.000 Hrs (Ta=30℃@L70)				
Operation Temp/℃	−40°C to + 50°C(−40°F to 122°F)				
Storage Temp/℃	−40°C to + 65°C(−40°F to 149°F)				
Installation	Suspension / Ceiling Mounting Optional				
Certificate	CE(EMC+LVD),RoHS,ENEC ,SAA,RCM Available				

Dimensions

Character/Length	2ft	4ft	5ft
A	602mm	1202mm	1502mm
B	638mm	1238mm	1538mm
C	63mm	63mm	63mm
D	73mm	73mm	73mm

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Photometry Disgram

120°

Installation

Ceiling Mounted
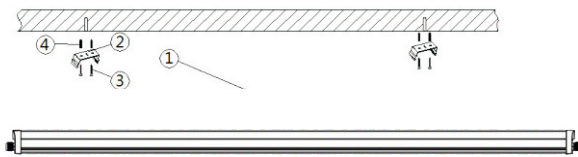
Spare Parts

1	U-shape Brackets	2pcs
2	self-tapping screws	4pcs
3	slotted plastic screws	4pcs

Punch

Tighten the screw with screwdriver

Install the lamp

Suspension

Push

Tighten the screw with screwdriver

Connect stainless cable to the screws and clips

Install the lamp

Finished
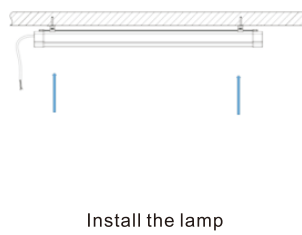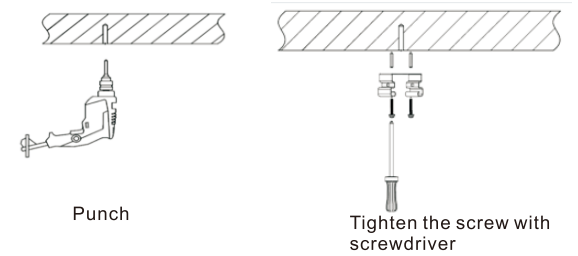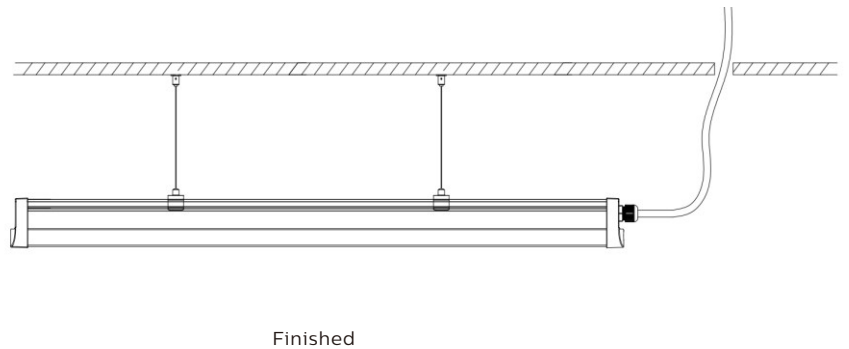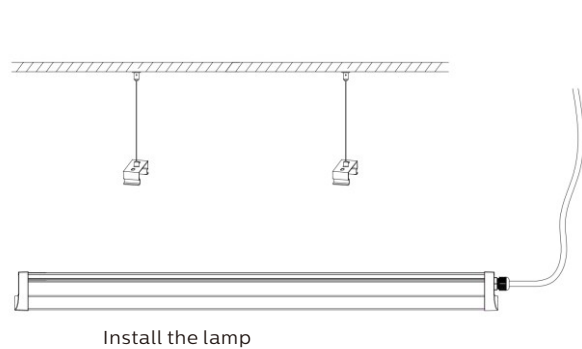
INSTALLATION GUIDE
IMPORTANT SAFETY INFORMATION:

Please read all the instructions below before installation
> Make sure that the supply voltage corresponds to the rated product voltage;
> The product must be installed by a qualifed electrician in accordance with the National Electrical Code and corresponding local codes.
> If the product is damaged, do not use it!

Turn Off Power Supply

⚡ Wiring Diagram

L	brown	black

N	blue	white

⊕ GND	yellow/green	green

Dimmable

DIM+	blue	brown	purple	white

DIM-	white	blue	gray	black

RISK OF PERSONAL INJURY – READ and follow all WARNINGS and installation instructions.
Keep or give to the owner for future reference.

Risk of cuts: Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.
Risk of electric shock: This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
Risk of Fire: Minimum 194°F supply conductors. Consult a qualifed electrician to ensure correct branch circuit conductor.

DUALRAYS® assumes no responsibility for claims arising out of improper or careless Installation or handling of this product.

Packaging Information

Model No.	Net Weight/Kg	Outer Carton Size/mm	Gross Weight/Kg	QTY"/CTN
DR-TP020-CG2XP	12.5	670*440*20	13.2	9PCS
DR-TP030-CG4XP	15.8	1270*360*200	17.5	9PCS
DR-TP040-CG4XP	16.1	1270*360*200	18.3	9PCS
DR-TP040-CG5XP	19.1	1570*360*200	20.6	9PCS
DR-TP050-CG5XP	19.5	1570*360*200	21.4	9PCS

Emergency Introduction

Model No.	Emergency	Emergency Power/W	Battery Parameter
DR-TP020-CG2XX	3	5	12V/800mAhNi-co Lithium
DR-TP030/040-CG4XX	3	5	12V/800mAhNi-co Lithium
DR-TP040/050-BG5XX	3	5	12V/800mAhNi-co Lithium

Microwave Sensor Introduction

On/Off Version

N
120-277VAC
L

L N N L'

LED Driver
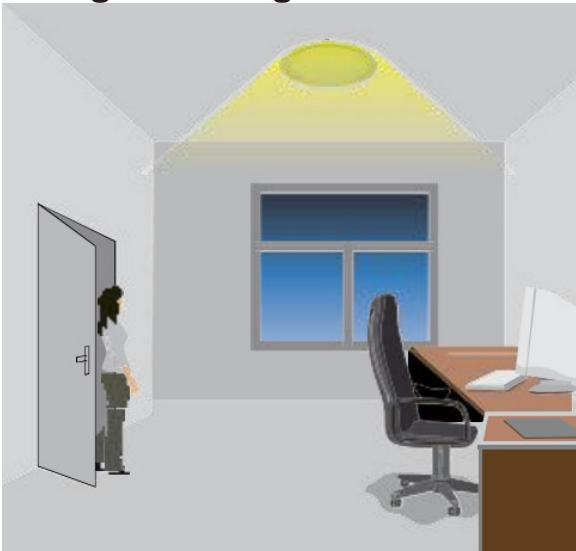
LED

(Wiring Diagram)
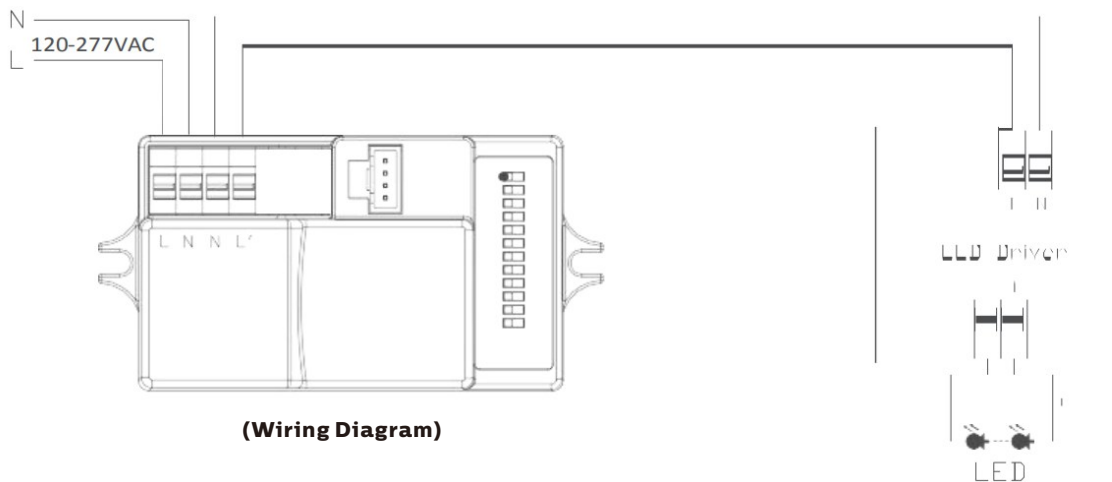
Function Introduction

Light will turn on if any subject movement be detected within detection ranges.
  a. Standard hold time is 60s.
  b. Max detection range is 12x6m(φxh).

Light will switch off after the hold time when no object movement within the detection ranges.

2 Stage Dimming Version

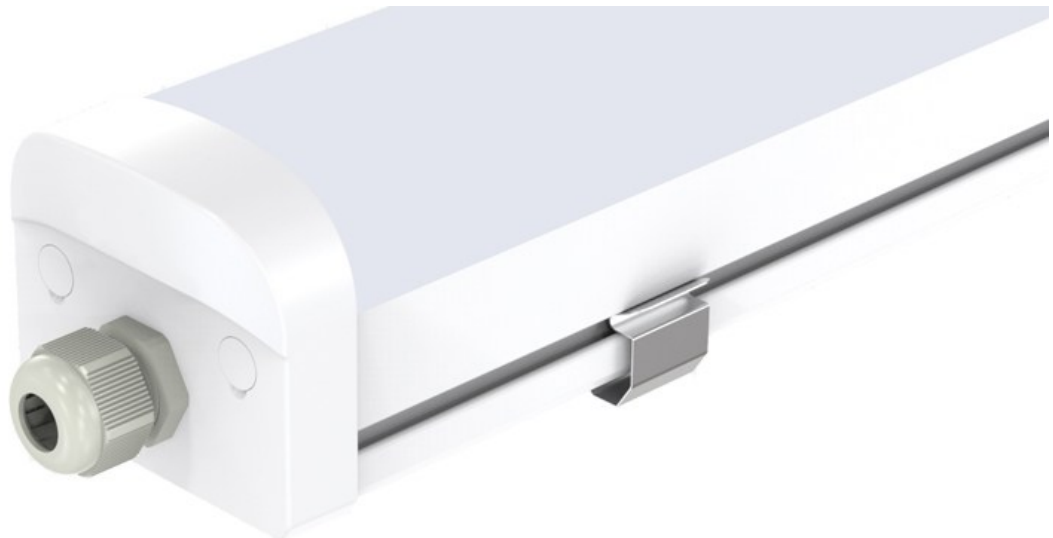**Light will turn on if any subject movement be detected within detection ranges.**
  a. Standard hold time is 60s.
  b. Max detection range is 12x6m(φxh).

Light will dimming to 10%/20%/30%/50%(optional via set key) after the hold time when no object movement within detection ranges.

Details Demo

Full Plastic PC Housing and Cover,Al Profile PCBA Holder Inside,Eco and Environment Friendly>>>

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Linkabkle Thorugh Double End Wiring>>>

High Capacity LiFePO4 Battery,5W@3 Hrs Emergency Time, 1.000 Cycles Charging/Discharging Time>>>

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