SPECIFICATIONS

FEATURE

- Back lit design providing even, glare-free light distribution
- High lumens efficiency to 130LM/W
- Flicker-free: eyesight protection
- Option: available with emergency backup kit
- Recessed, surface mount or suspende installations

- •OPTION
  Emergency Back Up
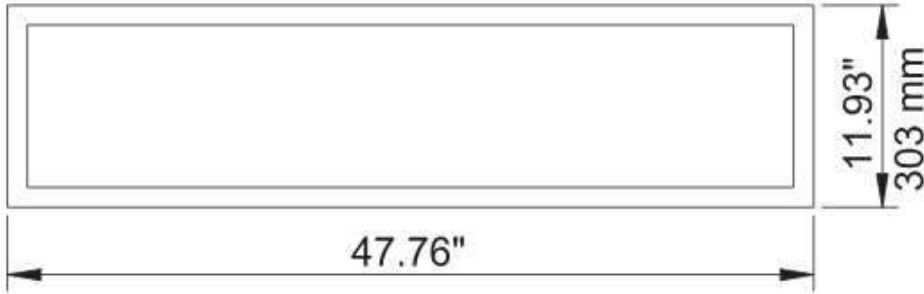 Available in 8W and 15W

APPLICATION

- offices, schools, showrooms, airports, retail, locations, and healthcare facilities
- Recessed

Specifications				
Model No.			RY-PB-1X4P-3W3CCT	
Power:			20W/30W/40W	
Size:			1' X 4'	
Input Voltage:	120-277 VAC			
Dimming	0-10V Dimmable			
Lumens			2600LM/3900LM/5200LM	
Protection Rating	IP20 (For Indoor Use Only)			
Power Factor:	⟩0. 9			
Beam Angle	110°			
CCT:	3000K/4000K/5000K			
CRI:	⟩80			
Working Life:	Lumen Maintenance over 70% @ 50,000+ Hours			
Oper. Temperature	−13°F ~+113°F / -25°C ~+45°C			
Certification	DLC Premium / ETL			

5 YEARS WARRANTY — ETL LISTED Intertek — DLC QPL LISTED PREMIUM — CCT Tunable 3000K/4000K/5000K — Wattage Adjustable — Dimmable — Emergency LED driver

PRODUCT DIMENSIONS

1x4 Front View

11.93"
303 mm

47.76"

Side View

1.58"

PHOTOMETRIC REPORT

2X4 50W   LED BACKLIT PANEL

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

180
165   165
150   150
135   135
120   120
105   105
90   90
75   75
60   60
45   45
30   30
15   15
0

532
1064
1596
2128
2660

UNIT: cd

—— C0-C180   —— C90-C270
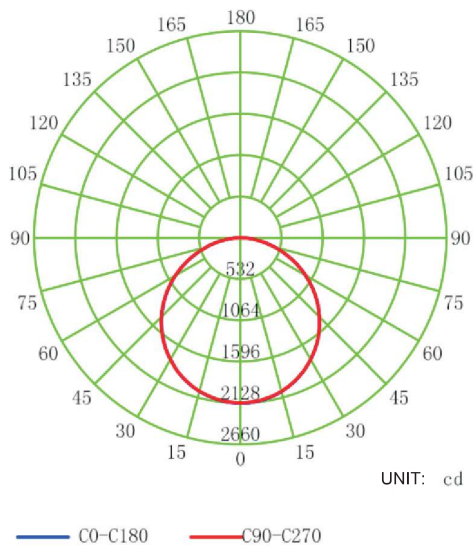
VERTICAL EQUILUMINOUS CURVE

VERTICAL HEIGHT (meter)
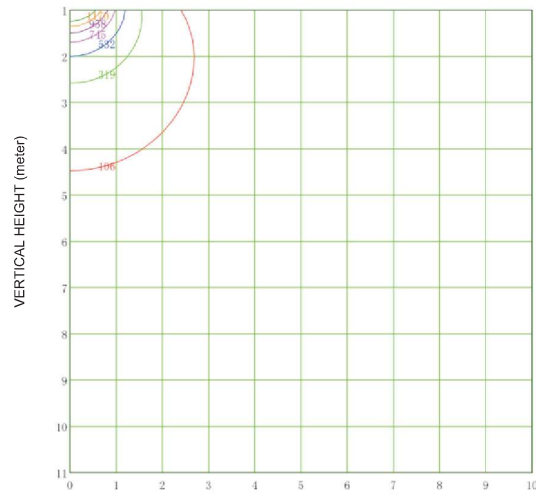
HORIZONTAL DISTANCE (meter)

MINIMUM ALTITUDE 1.0 M
MAXIMUM ALTITUDE 11.0 M
MAXIMUM ILLUMINATION 2128.1 lx

(5%): 106.4 lx	(15%): 319.2 lx
(25%): 532.0 lx	(35%): 744.8 lx
(45%): 957.7 lx	(55%):1170.5 lx
(65%):1383.3 lx	

ORDERING GUIDE

Package Information				
Model No.			RY-PB-1X4P-3W3CCT	
Size			1' X 4'	
Qty/Pack	2 PCS			
Package Size				
			49.8"X3.74"X14.17"	
Package Weight			5.6 kg/12.35 lbs	
Package CBM			0.043263	
40GP Capacity			~2680 PCS	
40HQ Capacity			~3140 PCS	
45HQ Capacity			~3600 PCS	

ORDERING CODE DEFINITION

Company Code	Product	Size	Watt	CCT
HY	PB: LED Backlit panel	1X4P: 1'X4'	1X4P: 20W/30W/40W	30K: 3000K 40K: 4000K 50K: 5000K CCT Selectable

SAFETY INSTRUCTION:

Basic safety precautions should always be followed when installing, including the following:
1. Read instructions carefully before installing.
2. This LED Panel requires professional installation and maintenance.
3. The power supply of the LED Panel should be powered by a dedicated external LED driver.
4. Disconnect the power supply before installing or maintenance.
5. Make sure the wires have been properly connected before powering on the device.
6. Ensure the product has enough space for heat dissipation.
7. Ensure the luminaries are never covered by any heat insulation mat or slim layer material at anytime.
8. IP40 for indoor use only, not for damp loaction; IP54 for indoor damp location.
9. Ambient Temperature: -10℃ to + 45℃, Avoid direct sunlight.
10. Storage Conditions: Cool & dry conditions.

INSTALLATION PROCEDURE

WARNING:

1.Switch off before installation.
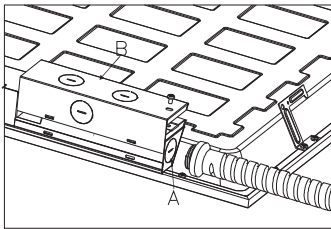2.Switch on only after complete installation and examination of the circuit.
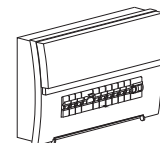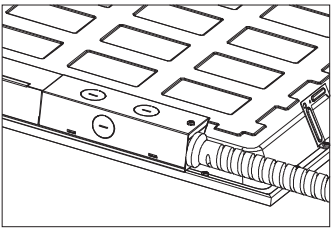
Turn off
Power Supply

CAUTION:

Make sure that the mounting surface or structural member used for installation can support the weight
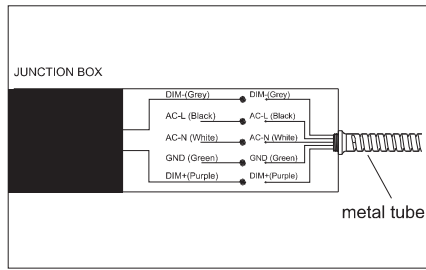of LED Panel.

WIRING GUIDE

（1) Remove the knock-down hole on box by screwdriver (Part A),Remove screw and take out the driver cover (Part B)
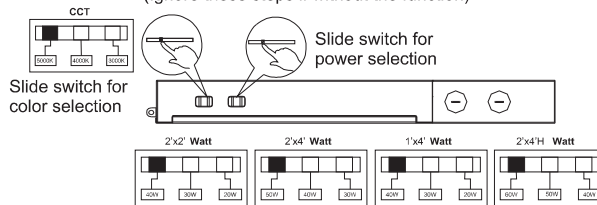
JUNCTION BOX

DIM-(Grey) DIM-(Grey)
AC-L (Black) AC-L (Black)
AC-N (White) AC-N (White)
GND (Green) GND (Green)
DIM+(Purple) DIM+(Purple)

metal tube

（2) Connect the wire as the picture showing.

（3) Cover the driver box and tighten it with a screwdriver,finish connection.

For the product with Slide Switch of CCT or power selection, please select the CCT or power needed before installation. (Ignore these steps if without the function)

CCT
5000K 4000K 3000K
Slide switch for color selection

Slide switch for power selection

| 2'x2' Watt			2'x4' Watt			1'x4' Watt			2'x4'H Watt		
40W	30W	20W	50W	40W	30W	40W	30W	20W	60W	50W	40W

INSTALLATION INSTRUCTION

Lamp inspection before installation:
please adjust the lamp with below steps before installation:
1.Press the oposite angles at the same time;
2.Press another two oposite angles at the same time, make sure the four angles are flat,
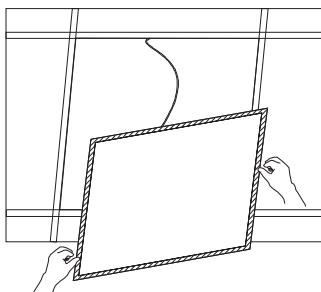then start the installation.
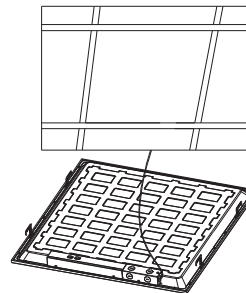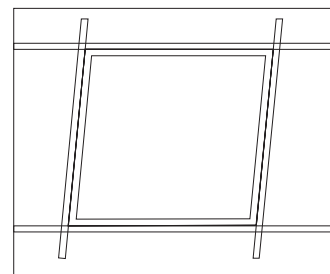Take out the lamp from the box and put it in a flat table, if the lamp upwarps,
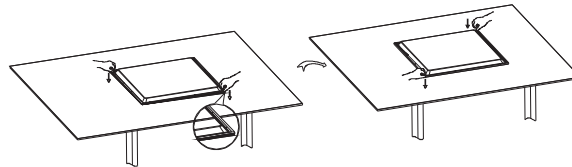
Recessed
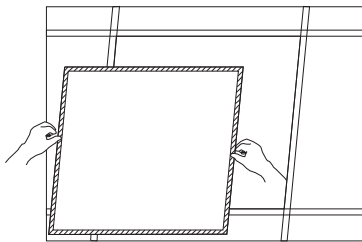
① Remove the ceiling plaster slab.

② Feed the main AC wire in driver terminal block respectively, connect the panel light and driver.

③ Fix the panel light into plaster ceiling.

④ Make sure the led panel light is firmly fixed, turn on the power.