Specification Sheet

- LED FRAME LIGHT -
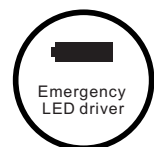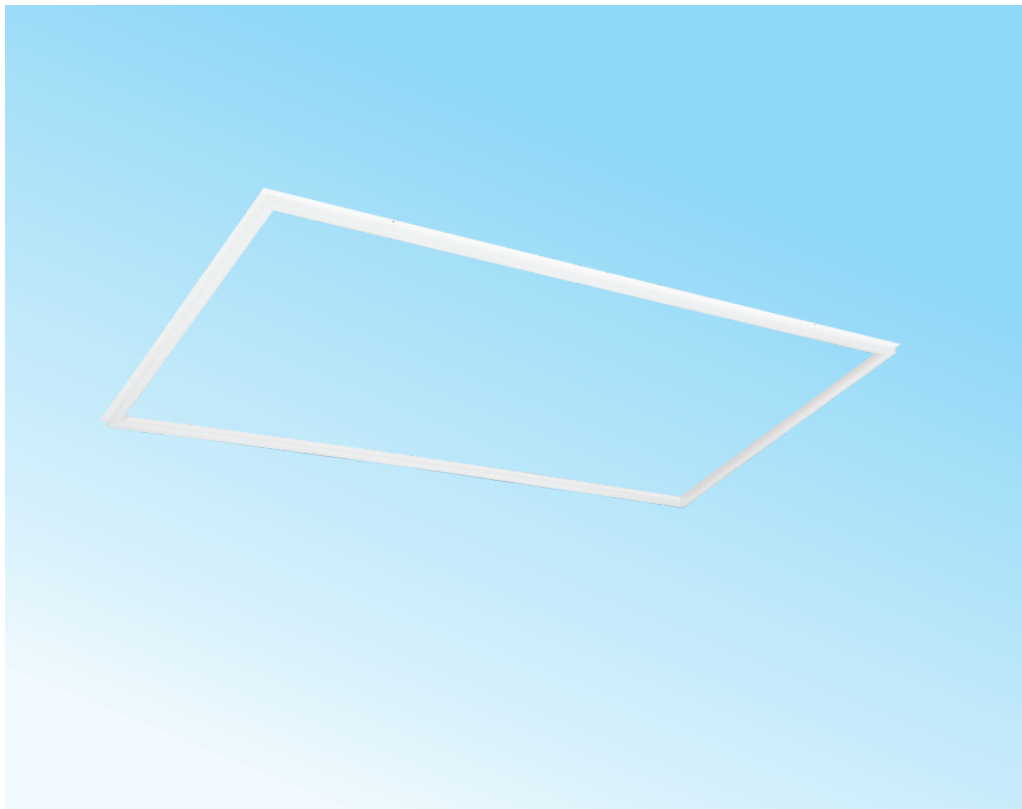
5 YEARS WARRANTY

ETL c LISTED US
Intertek

DLC QPL LISTED PREMIUM

CCT Tunable
3000K/4000K/5000K

Wattage Adjustable

Dimmable

Emergency LED driver

SPECIFICATIONS

FEATURE

LED Frame light cast the right light in any commercial setting. The slim profile fixtures are available in 1' x 4', 2' x 2' or 2' x 4' sizes and can save up to 50% of energy usage compared to traditional fluorescent fixtures. Standard 0-10V dimming capability allows greater energy-savings.

- • WARRANTY — 5-year limited warranty
- • Instant Startup, soft light, no glare, no noise, no strobe
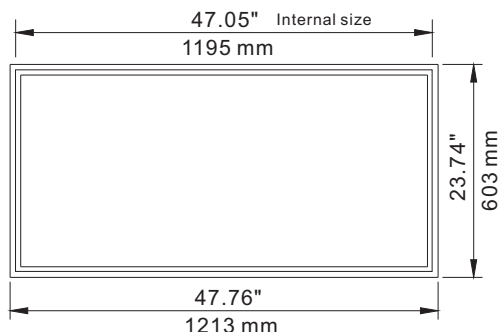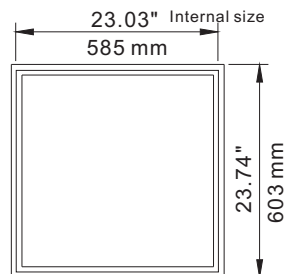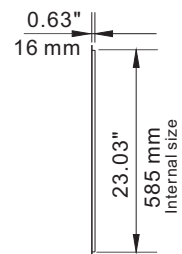- • Flicker Free - Eyesight protection technology
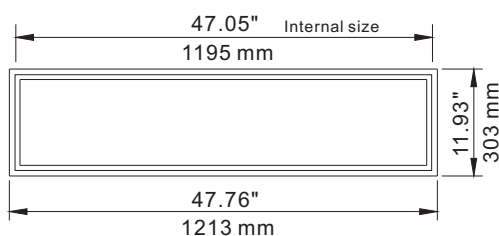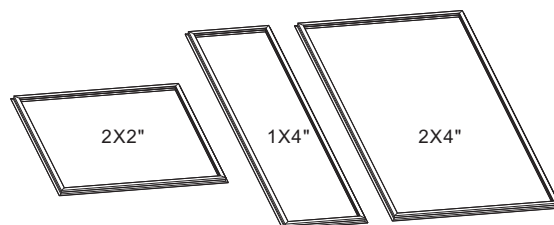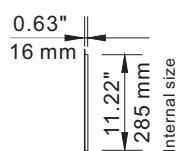
APPLICATION

• Office, school, conference room, hospital, and more commercial spaces

SPECIFICATIONS

Model No.	HY-PE- 1X4P- 3W3CCT	HY-PE- 2X2P- 3W3CCT	HY-PE- 2X4P- 3W3CCT
Power:	40W/30W/20W	40W/30W/20W	50W/40W/30W
Size:	1'x4'	2'x2'	2'x4'
Input Voltage:	120-277 VAC		
Dimming	0-10V Dimmable		
Lumens	5200LM/3900LM/2600LM	5200LM/3900LM/2600LM	6500LM/5200LM/3900LM
Protection Rating	Ip40 (For Indoor Use Only)		
Power Factor:	﹥0.9		
Beam Angle	120°		
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	ETL		

PRODUCT DIMENSIONS

2x4 Front View

47.05" Internal size
1195 mm

23.74"
603 mm

47.76"
1213 mm

2x2 Front View

23.03" Internal size
585 mm

23.74"
603 mm

Side View

0.63"
16 mm

23.03"
585 mm
Internal size

1x4 Front View

47.05" Internal size
1195 mm

11.93"
303 mm

47.76"
1213 mm

Side View

0.63"
16 mm

11.22"
285 mm
Internal size

2X2"   1X4"   2X4"

PHOTOMETRIC REPORT

2X2" LIGHT

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

202
405
608
811
1014

UNIT: cd
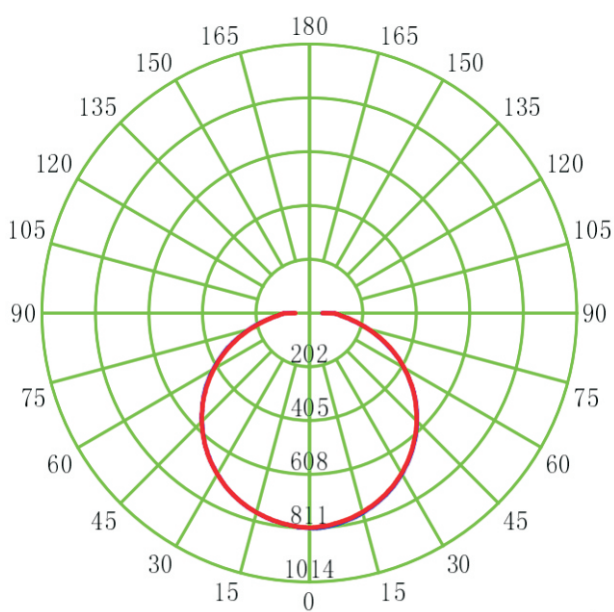
C0-C180   C90-C270

VERTICAL EQUILUMINOUS CURVE

VERTICAL HEIGHT (meter)

HORIZONTAL DISTANCE (meter)

MINIMUM ALTITUDE 1.0 M
MAXIMUM ALTITUDE 11.0 M
MAXIMUM ILLUMINATION 811.1 lx
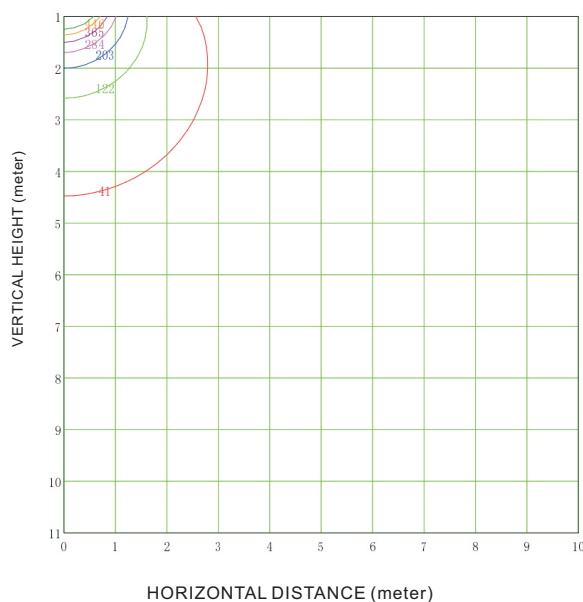
(5%): 40.6 lx   (15%): 121.7 lx
(25%): 202.8 lx   (35%): 283.9 lx
(45%): 365.0 lx   (55%): 446.1 lx
(65%): 527.2 lx

ORDERING GUIDE

Package Information			
Model No.	HY-PE-1X4P- 3W3CCT	HY-PE-2X2P- 3W3CCT	HY-PE-2X4P- 3W3CCT
Size	1'x4'	2'x2'	2'x4'
Qty/Pack	2 PCS		
Package Size	1265X60X360mm	655X60X660mm	1265X60X660mm
	49.8"X2.36"X14.2"	25.8"X2.36"X26"	49.82"X2.36"X26"
Package Weight	2.96 kg/6.5 lbs	2.6 kg/5.7 lbs	3.8kg/8.4 lbs
Package CBM	0.027324	0.025938	0.050094

ORDERING CODE DEFINITION

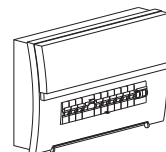| Company Code	Product	Size	3W (Watt Tunable)	3CCT (Color temperature Tunable)
HY	PE: LED Frame Light	1'X4'	40W/30W/20W	3000K /4000K/5000K
		2'X2'	40W/30W/20W	
		2'X4'	50W/40W/30W	

SAFETY INSTRUCTION:

Basic safety precautions should always be followed when installing, including the following:
1. Read instructions carefully before installing.
2. This LED Frame Light requires professional installation and maintenance.
3. The power supply of the LED Frame Light 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.
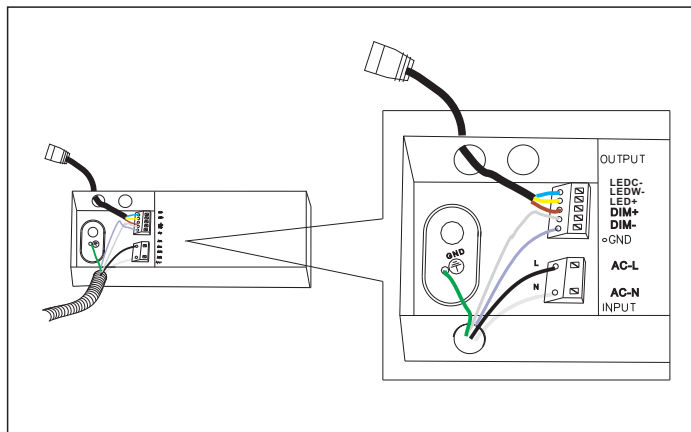
INSTALLATION PROCEDURE

WARNING:

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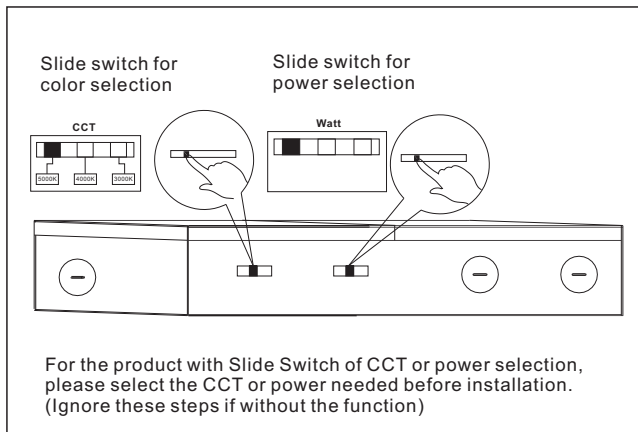2.Switch on only after complete installation and examination of the circuit.

Turn off
Power Supply

HONGYAO Lighting

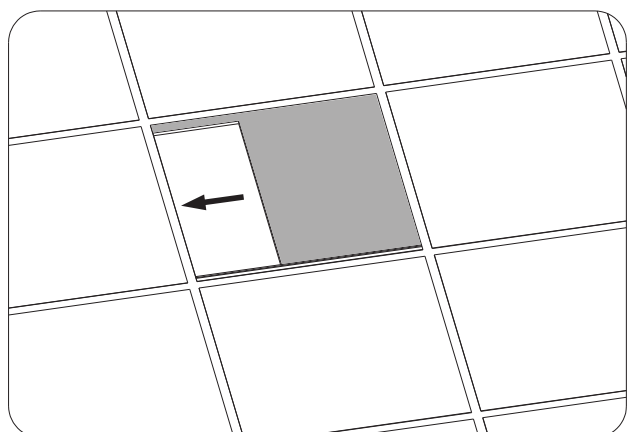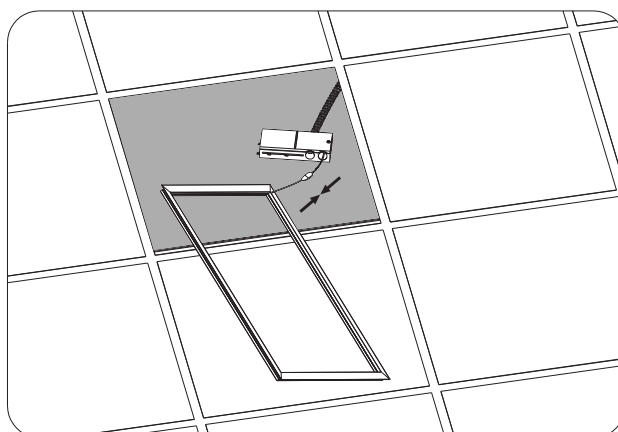## OPERATING GUIDE

1 Wiring Guide

OUTPUT

LEDC-
LEDW-
LED+
DIM+
DIM-
GND

AC-L

AC-N
INPUT

GND

L

N

2 Adjustable CCT And Adjustable Watt

Slide switch for
color selection

Slide switch for
power selection

CCT

Watt

5000K 4000K 3000K

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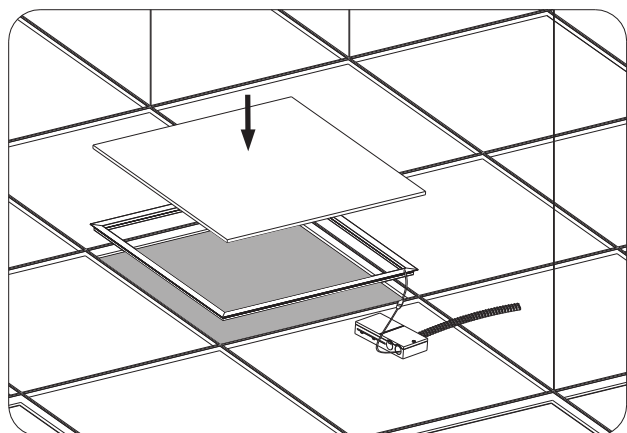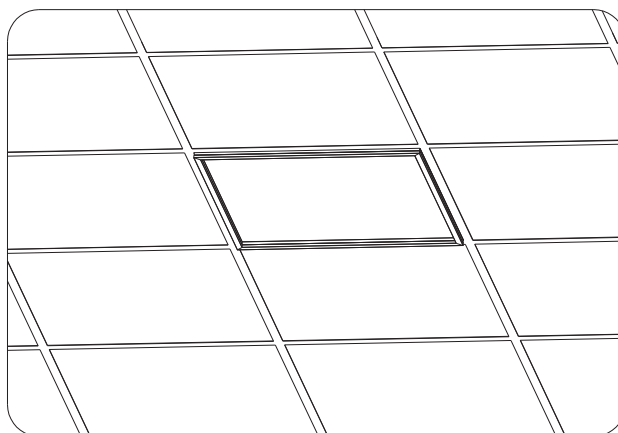(Ignore these steps if without the function)

INSTALLATION INSTRUCTION

① Remove the ceiling plaster slab.

② Feed the main AC wire in driver terminal block
respectively, connect the LED Frame light and driver.
(see operation guide)

③ Fix the LED Frame light into lightgage steel joist,
cover the ceiling plaster slab.

④ Make sure the LED Frame light is firmly fixed,
turn on the power.