Product Specificatio

DALI   IR   Panel
Human Sensitive ＋Light Sensitive

Made by	Checked by	Date	Version
Xiaoqiang Zhang	Rongwei Li	2017.04.07	A0

CE   RoHS   FC   F   III   Dimmable   3 years WARRANTY

Ledmy SHENZHEN LEDMY CO.,LTD

Marketing Center: Room1503-1505,Block 2,Excellence City, Zhongkang Road,
Futian District, Shenzhen City,Guangdong Province, PRC 518049
Manufacturing Center: LEDMY Industrial Park,Tongren Road,Longbeiling Industrial Zone,
Tangxia Town, Dongguan City, Guangdong Province, PRC 523715
Tel:+86（755）27658410 Fax:+86（755）27658502   E-mail:sales@ledmy.com
www.ledmy.com

Photo

DALI Sentive Light controlAccurate and Reliable   :

DALI is figure signal, different from analog signal, 1010 signal can realize non disturbance control, no distortion causes by long distance voltage drop. So there is no disturbance even though DALI figure signal control cable and power line use one cable spool. DALI signal is two-way transmission, it not only can transfer control order to forwarder, but also feed back to the system the information of ballast and tubes's condition, fault message, switch, and the actual luminance.

DALI IR sensitve light main feature function:

1. Light sensitive
1. 1. when outside is bright. the illuminace around panel over 600Lux. the panel will reduce to 5% luminace automatically.
1.2. outside light is weak, the illuminace around panel lower than 600Lux, the panel will automatically raise illuminace to 600Lux   and keep to around 600Lux always.

2. Light sentive + human sentive
2.1. Panel in standby status. When outside is bright, the illuminace around panel over 600Lux, panel autamtically switch on while human body enter the detection area. Light 5% illuminace. Panel automatically switch off after human leaves detection area a which(optional in 60m/45m/30m/20m/15m/10m/5m/3m/2m/ 1m/30s to switch off after leaving detection area)

2.2. Panel in standby status. When outside light is weak, the illuminace around the panel lower than 600Lux, panel automatically switch on while human body enter the detection area. Automatically reduce lumens when over 600lux around the panel and Keep the illuminace around to 600Lux always.

The 1 and 2 function above, can only choose one function when manufacture.Customer can purchase a programmer to control by yourselves if needed.
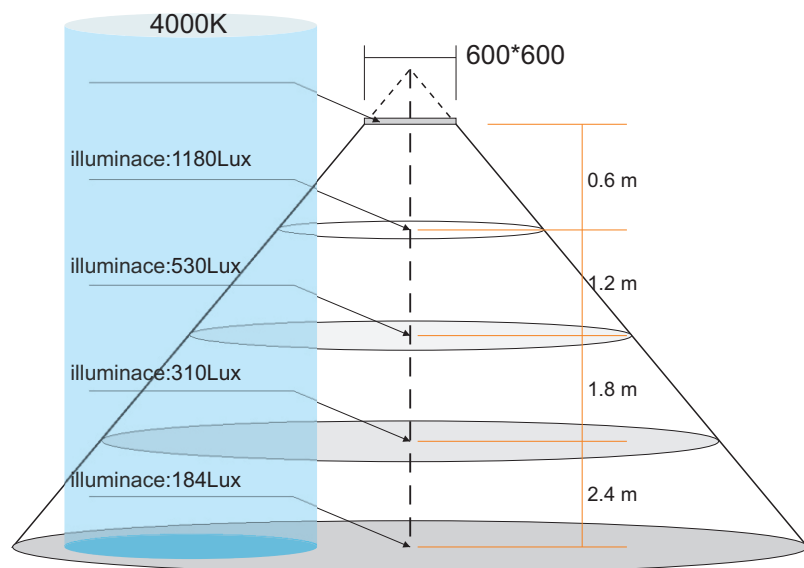
BasicParameters

Specificationand ₚarameters		
No.	Item	Parameters
01	Power supply input voltage	AC 200～240V
02	Color	WW/CW
03	CCT	2500～4000K（WW） 4000～7000K（CW）
04	Lifetime	＞50000H
05	Operation temperature range	−20℃to+50℃
06	Storage temperature range	−30℃to+60℃
07	Certificates	CE. RoHS
08	IP rating	Ip40
09	Sensitive distance	In 5 meters(no obstruction betwwen)
10	Driver control system	DALI system

Usagebasicarameters

PartNo / Item	Wattage	Lumens	Output voltage range	current	CCT
EX−IR−3030W−CC−18W	18W	>100Lm\W	DC24-28V	500mA	
EX−IR−6030W−CC−22W	22W	>100Lm\W	DC24-28V	600mA	
EX−IR−6060W−CC−36W\40W	36W\40W	>100Lm\W	DC33-38V	900mA\1000mA	4000K
EX−IR−6262W−CC−36W\40W	36W\40W	>100Lm\W	DC33-38V	900mA\1000mA	
EX−IR−12030W−CC−36W\48W	35W\48W	>100Lm\W	DC33-38V	900mA\1200mA	

Illuminati

4000K
600*600
illuminace:1180Lux — 0.6 m
illuminace:530Lux — 1.2 m
illuminace:310Lux — 1.8 m
illuminace:184Lux — 2.4 m

Beamangle : 120°

Light Distribution Grah:

Illuminace Inte:cd
C0 /180
C30 /210
C60 /240
C90/ 270

Panelsize

Front

18.4 mm

sensitve device

W

30 mm

L

Back

(AC 200~240V IN)

Control

L N

Driver

L N

+ −
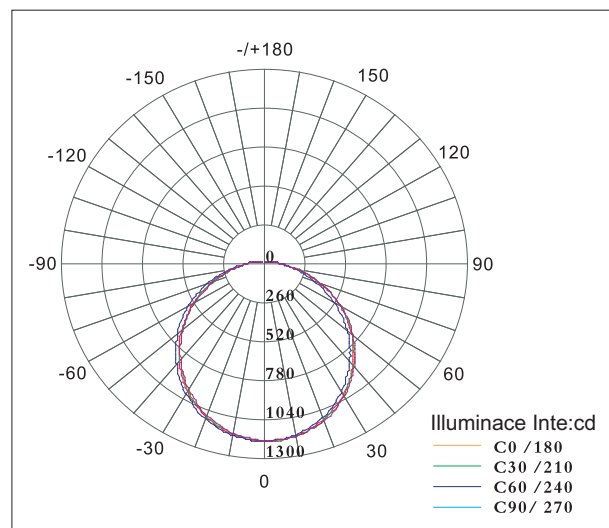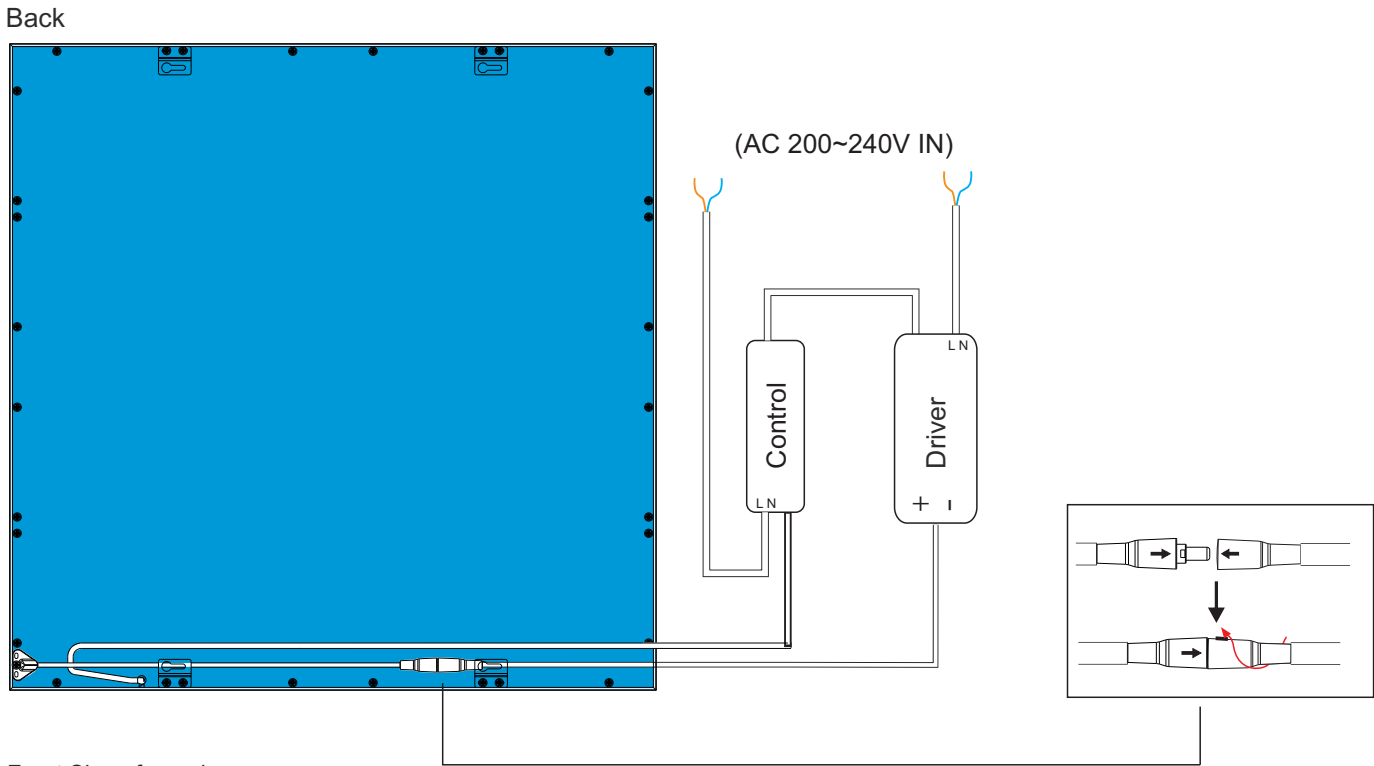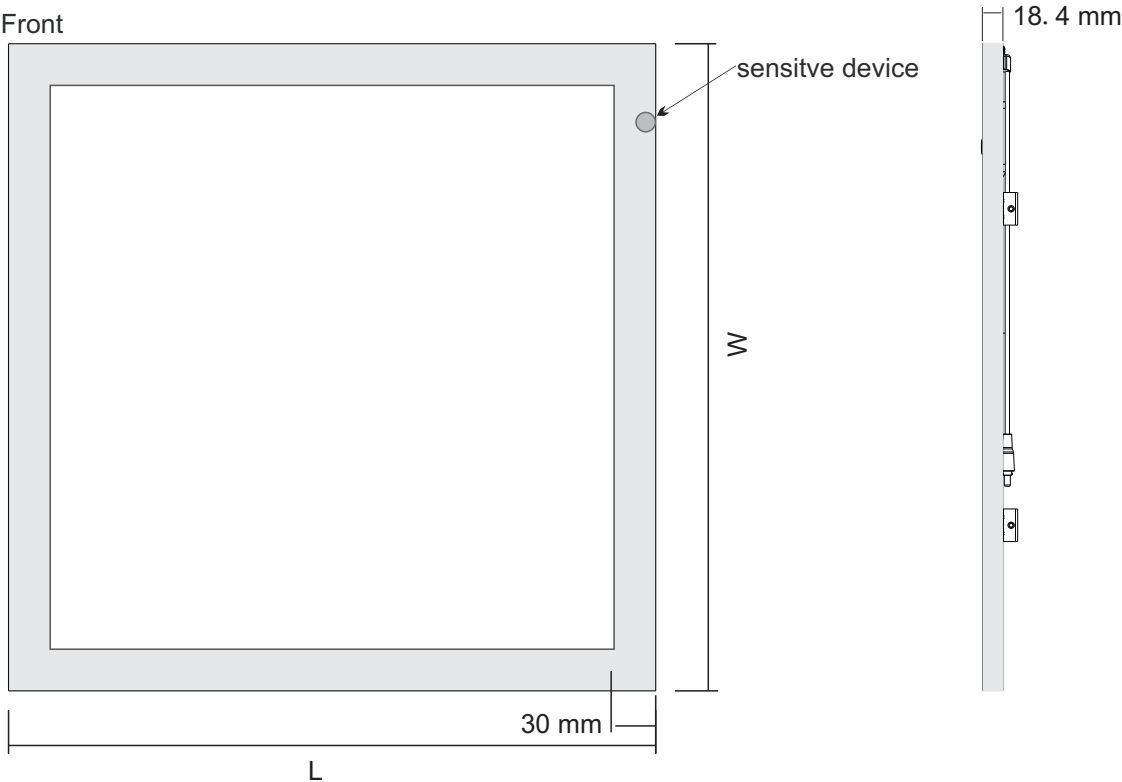
Front Size of panel

PartNo. / Itme	L（Unit：mm）	W（Unit：mm）
EX−IR−3030W−CC−18W	295 (+0.6/-0)	295 (+0.6/-0)
EX−IR−6030W−CC−22W	595 (+0.6/-0)	295 (+0.6/-0)
EX−IR−6060W−CC−36W	595 (+0.6/-0)	595 (+0.6/-0)
EX−IR−6262W−CC−36W	620 (+0.6/-0)	620 (+0.6/-0)
EX−IR−12030W −CC−36W	1195 (+0.6/-0)	295 (+0.6/-0)

Senstive sketch view:

Light senstive sketch view（time and illuminace are both assumption）

Picture 1

Picture 2

Picture 1

8:00am when illuminace is 300lux around
the panel sensitive point, panel will automatically
adjust to 50%, supply 300Lux to keep 600Lux
around the panel

Picture 2

When illuminace is 450lux around the panel
sensitive point, panel will automaticlay adjust
to 20%, supply 150lux to keep 600lux around
the panel.

Picture 3

Picture 4

Picture 3

17:00，when illuminace is 180Lux around the
panel sensitve point, the panel will   automatically
adjust to 70%, supply 420Lux   to keep 600Lux
illuminance
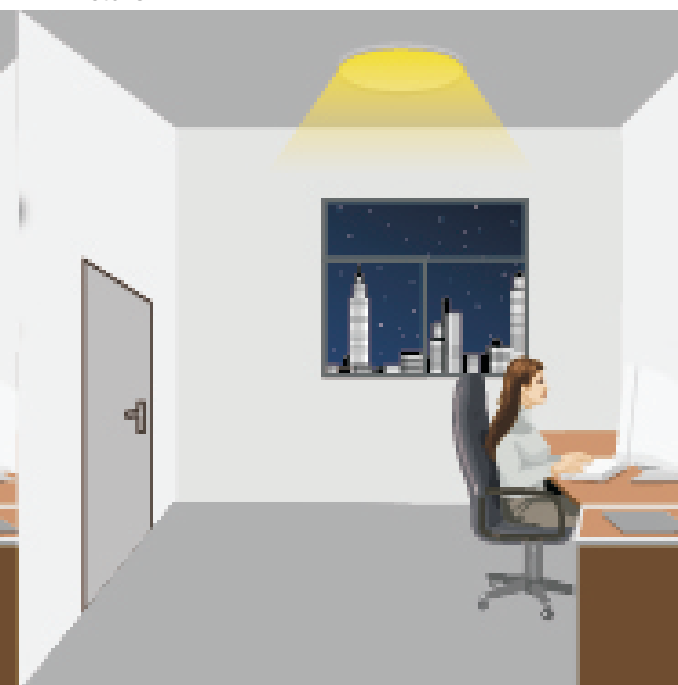
Picture 4

21:00, when illuminace is 20Lux around the panel
sensitive point. The panel willautomatically adjust to
100%, supply 580Lux to keep 600Lux around the
panel

Senstive sketch view:

Human sensitive + light sensitve（time and illuminance are assumption）

Picture 1

Picture 2

Picture 1

8"00am，when illuminace is 300Lux around the panel, Panel will automatically adjust to 50% illuminace when human enter detection area, supply 300Lux to keep 600Lux around the Panel. And panel automatically switch off after human leave the detection area in a certain time

Picture 2

12:00am，when illuminace is 450Lux around the panel, Panel will automatically switch on and adjust to 20% illuminace when human enter detection area, supply 150Lux to keep 600Lux around the panel.And panel automatically switch off after human leave the detection area in a certain time

Picture 3

17:00, the illuminace is 70Lux around the panel. Panel automatically switch on and adjust to 60% illuminace when human enter the detection area. Supply 420Lux and keep 600Lux illuminace around the panel. And automatically switch off after human leave the detection area in a certain time

Picture 4

21:00, the illuminance is 20Lux around the panel, Panel automatcically switch on and ajust to 100% when human enter the detection center, supply 580Lux to keep 600Lux around the panel. And panel automatically switch off after human leave the detection area in a certain time

Optional switch off in 60m\45m\30\20\15m\10m\5m\3m\2m\1m\30s after human leave detection center.("m"minute. "s"second)
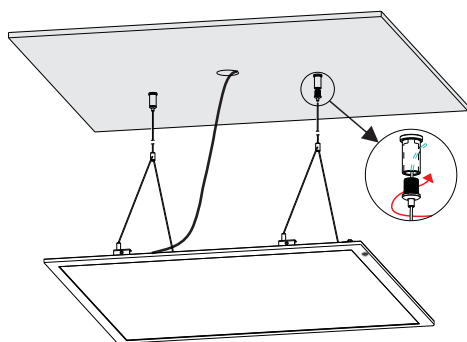
Installation type

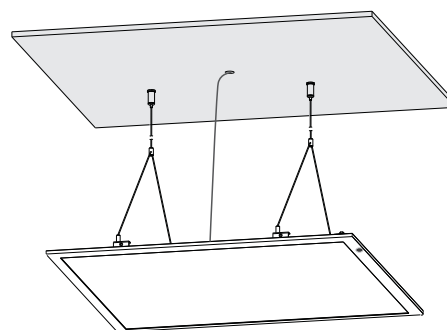## A.Hanging installation(choose accessories)
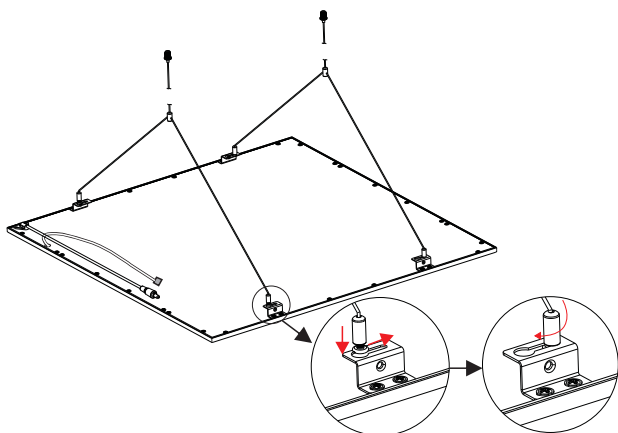
1.Lock the lockparts of the wire rope branching to the back panel light
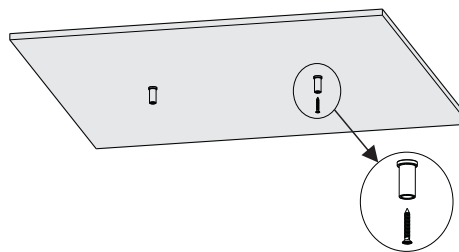
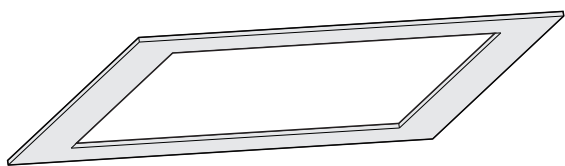2.Lock the hanging part of the wire rope to the ceiling.

3.Lock the lockpart of the main wire rope to the wire rope hanger, connect with the power cable
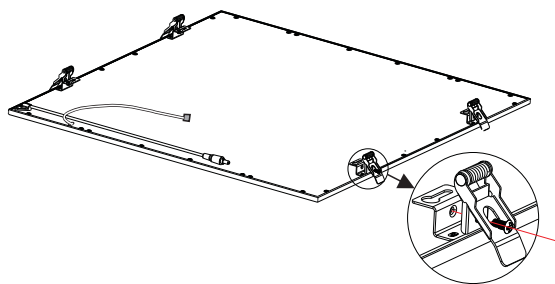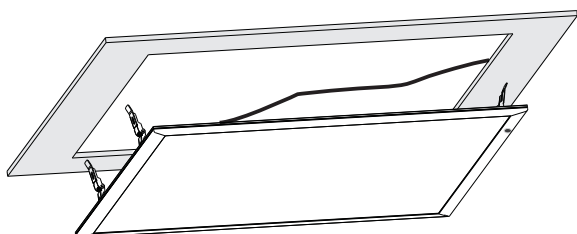
4.Finish installation, power on working

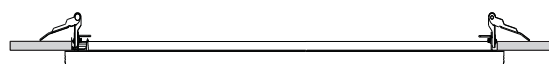## B:Circlip embedded installation(choose accessories)

1.Punch relative size in the ceiling (all punches dimension should 15mm smaller than the panel light actual size).

2.Fasten the hook adapter to the back holder of the panel light.

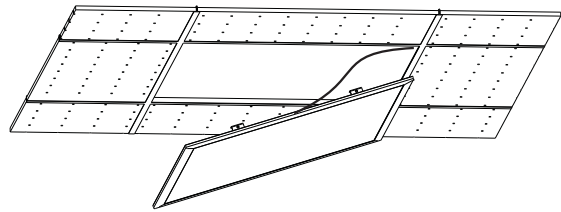3.Connect to the power supply,pull the hook adapter, embed the hook adapter into the ceiling inner side.
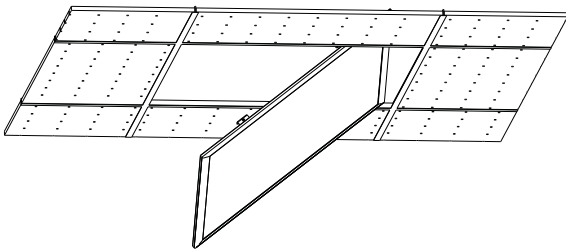
4.Finish installation, power on working.
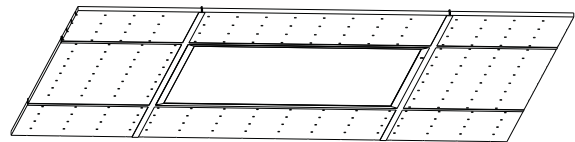
C:Furred ceiling embedded installation
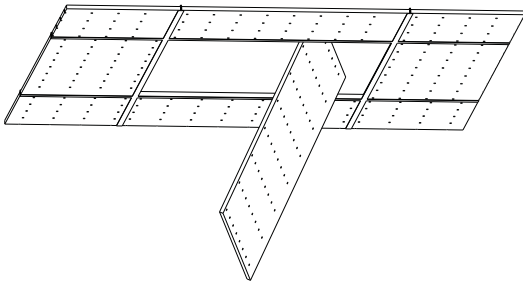
1.Take off one plaster board from the ceiling.

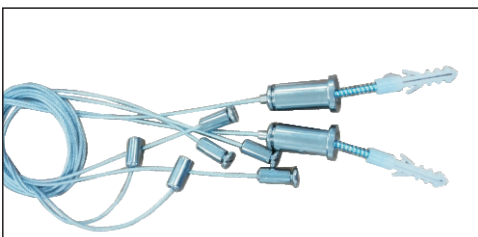2.Connect the panel light with the power supply cable.

3.Put the panel light inclination into the framework.

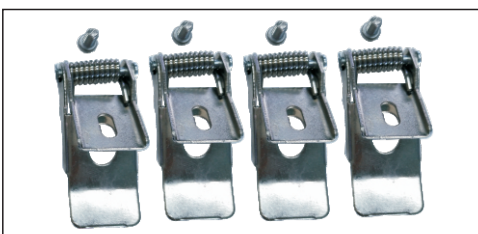4.Finish installation, power on working.

Picture of accessories

picture of stainless wire

1. 295*295 / 595*595 / 295*595 / 620*620
   panels with 2 stainless hanging wires（one pack）

2. 1195*295 panels with 3 stainless hanging wires（one pack）

picture of Springs

1. 295*295 / 295*595 / 595*595 / 620*620panels with 4 springs(one pack)

3. 1195*295 panels with 6 springs(one pack)