



# LED Edge-Lit Flat Panels

## Standard Series

ASD LED Edge-Lit Flat Panels, Standard Series, are modern lamps. Their main advantages are energy efficiency, the absence of hazardous materials, and low maintenance costs.

They are an ideal choice to reduce energy costs in work environments and in public places. They are widely used in offices, stores, schools, hospitals, hotels and airports.

The many features of the ASD LED Edge-Lit Flat Panels, Standard Series, include low energy consumption, long life, and sustainable light with no shadows.

There are three mounting options: recessed, suspended and surface.



### FEATURES AND BENEFITS:

- ▶ Contemporary design
- ▶ Available in 2x2, 1x4 and 2x4 sizes
- ▶ Standard 0~10 V dimming
- ▶ High efficiency – 85 lm/Watt
- ▶ Low energy consumption
- ▶ Light guide plate technology with side glow
- ▶ White frame
- ▶ Recessed, suspended and surface mounting options
- ▶ cULus certified
- ▶ DesignLights™ Consortium (DLC) listed
- ▶ L70 rated lifespan >50,000 hrs.
- ▶ 5-year limited warranty



### LED EDGE-LIT PANEL:

Model	Type	Watts	Dimming	CCT	Lumens	Dimensions (L x W x H)
ASD-ELP14D4040	1x4	40 W	yes	4000 K	3 545 lm	11.8" x 47.8" x 2.4"
ASD-ELP14D4050	1x4	40 W	yes	5000 K	3 813 lm	11.8" x 47.8" x 2.4"
ASD-ELP22D4040	2x2	40 W	yes	4000 K	3400 lm	23.8" x 23.8" x 2.4"
ASD-ELP22D4050	2x2	40 W	yes	5000 K	3400 lm	23.8" x 23.8" x 2.4"
ASD-ELP24D6040	2x4	60 W	yes	4000 K	4 722 lm	23.8" x 47.8" x 2.4"
ASD-ELP24D6050	2x4	60 W	yes	5000 K	5 611 lm	23.8" x 47.8" x 2.4"

### LED DRIVER:

Model	Watts	Dimming	Input Voltage	Output Voltage	Max Current	Power Factor	Dimensions (L x W x H)
ASD-BLP40D	40 W	0~10 V	100-277 V	30-42 V	1050 mA	≥ 0.9	4.1" x 11" x 1.8"
ASD-BLP60D	60 W	0~10 V	100-277 V	30-42 V	1400 mA	≥ 0.9	4.1" x 11" x 1.8"



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### PRODUCT SPECIFICATIONS:

Construction & Materials						
Housing	Aluminum					
Lens	Translucent white PMMA					
Lens Type	Frosted					
Finish Color	White					
Weight (Panel+Driver)	ASD-ELP22D4040	10.7 lbs (4.8 kg)	ASD-ELP14D4040	11 lbs (5 kg)	ASD-ELP24D6040	19.3 lbs (8.8 kg)
	ASD-ELP22D4050	10.7 lbs (4.8 kg)	ASD-ELP14D4050	11 lbs (5 kg)	ASD-ELP24D6050	19.3 lbs (8.8 kg)
Environmental System						
Work Environment	Indoor use (applicable for dry environments)					
Operating Temperature	14~104°F (-10~40°C)					
Humidity	20% - 85% RH, non condensing					
L70 Life	50,000 Hrs.					
Optical System						
Luminous Flux	ASD-ELP22D4040	3 545 lm	ASD-ELP14D4040	3 400 lm	ASD-ELP24D6040	4 722 lm
	ASD-ELP22D4050	3 813 lm	ASD-ELP14D4050	3 400 lm	ASD-ELP24D6050	5 611 lm
Luminous Efficacy	85 lm/w					
Color Temperature	4000 K, 5000 K					
CRI	80					
Electrical System						
Input Voltage	100~277VAC 50/60 Hz					
Off State Power	0 W					
Power Consumption	ASD-ELP22D4040	40 W	ASD-ELP14D4040	40 W	ASD-ELP24D6040	60 W
	ASD-ELP22D4050	40 W	ASD-ELP14D4050	40 W	ASD-ELP24D6050	60 W
Power Factor	≥ 0.9					
THD	< 20%					
Output voltage	30-42 V					
Max current	700 mA		700 mA		1050 mA	
Control						
Dimming Switch	Standard 0~10 V dimming 5% - 100%					
Linking Lengths/Qty	15 cable feet x 20 panels					

Regulatory & Voluntary Qualifications	
5-year limited warranty	
DesignLights™ Consortium (DLC) listed	
cULus certified	E473804 - panel, E473855 - driver

### Dimming Compatible Controls

MFG	Model Number
Leviton	IP710
Lutron	Nova NFTV 0~10V



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### LED EDGE-LIT PANEL ORDERING INFORMATION:

#### Type 2x2

Data \ Model	ASD-ELP22D4040	ASD-ELP22D4050
Type	2x2	2x2
Watts	40 W	40 W
CCT	4000 K	5000 K
GTIN 12	859961005001	859961005018
GTIN 14	10859961005008	10859961005015
Product Code	021.0101	021.0102
Pcs in one Carton	4	4
Carton Size	25.4"x25.4"x4.9"	25.4"x25.4"x4.9"
Carton Weight	48.9 lbs	48.9 lbs

#### Type 1x4

Data \ Model	ASD-ELP14D4040	ASD-ELP14D4050
Type	1x4	1x4
Watts	40 W	40 W
CCT	4000 K	5000 K
GTIN 12	859961005025	859961005032
GTIN 14	10859961005022	10859961005039
Product Code	021.0103	021.0104
Pcs in one Carton	4	4
Carton Size	49.4"x13.3"x4.9"	49.4"x13.3"x4.9"
Carton Weight	50.4 lbs	50.4 lbs

#### Type 2x4

Data \ Model	ASD-ELP24D6040	ASD-ELP24D6050
Type	2x4	2x4
Watts	60 W	60 W
CCT	4000 K	5000 K
GTIN 12	859961005049	859961005056
GTIN 14	10859961005046	10859961005053
Product Code	021.0105	021.0106
Pcs in one Carton	2	2
Carton Size	49.4"x25.4"x3.0"	49.4"x25.4"x3.0"
Carton Weight	48.4 lbs	48.4 lbs

### LED DRIVER ORDERING INFORMATION:

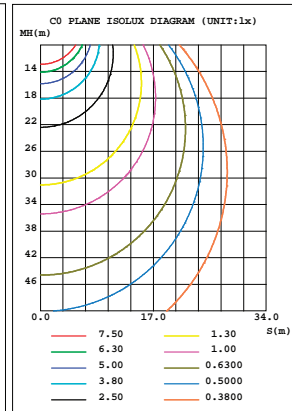
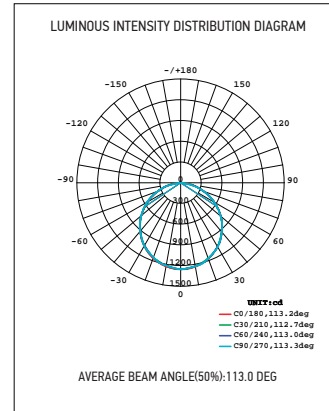
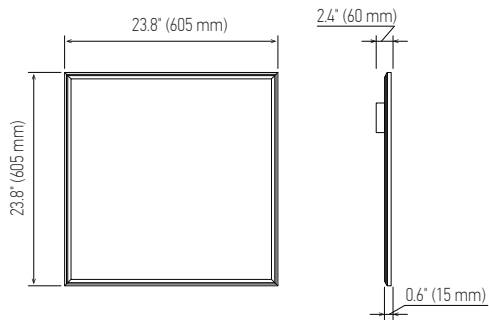
Data \ Model	ASD-BLP40D	ASD-BLP60D
Watts	40 W	60 W
GTIN 12	859961005162	859961005179
GTIN 14	10859961005169	10859961005176
Product Code	027.0101	027.0102
Pcs in one Carton	20	20
Carton Size	23.8"x12.2"x10.2"	23.8"x12.2"x10.2"
Carton Weight	31.9 lbs	31.9 lbs



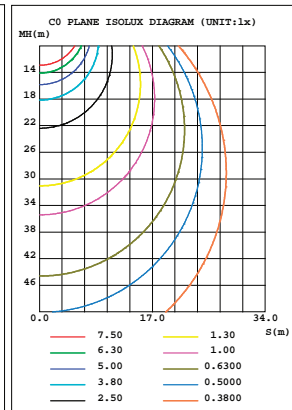
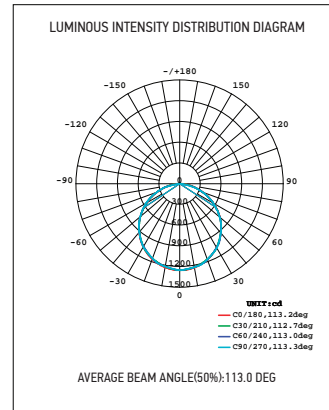
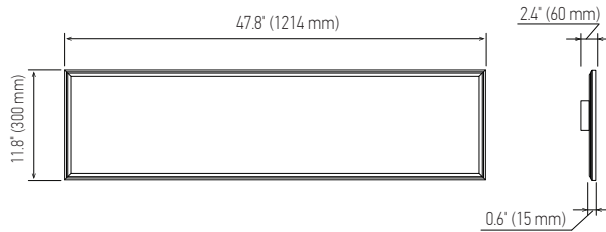
# LED Edge-Lit Flat Panels

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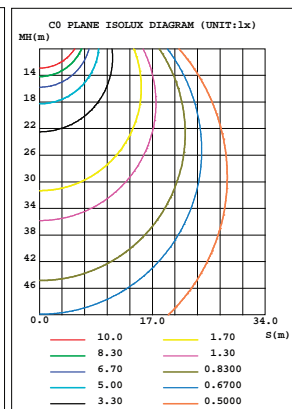
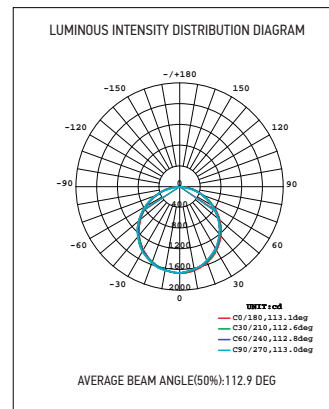
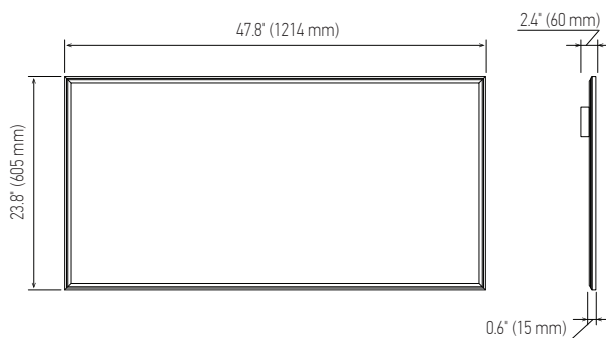
### TYPE 2x2 40W



### TYPE 1x4 40W



### TYPE 2x4 60W





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## ⚠️ WARNING

**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 90°C supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.

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

**For recessed installation:** Access above ceiling required. Inherently protected. Vapor barrier must be suitable for 90°C. Type IC.

## ⚠️ AVERTISSEMENT

**RISQUE DE BLESSURES - Lisez et suivez toutes les MISES EN GARDE et les instructions d'installation.**

Tenir ou fournir au propriétaire pour référence future.

**Risque de coupures:** Porter des gants pour éviter les coupures ou des écorchures lors du retrait du carton, de la manutention, l'installation et le maintien de ce produit.

**Risque de choc électrique:** Ce produit doit être installé conformément au code d'installation applicable par une personne familiarisée avec la construction et l'exploitation du produit et les risques impliqués.

**Risque d'incendie:** minimum 90° C Alimentation conducteurs. Consultez un électricien qualifié pour assurer le bon conducteur de circuit de dérivation.

ASD® n'assume aucune responsabilité pour les réclamations découlant d'une installation inadéquate ou négligente ou de la manipulation de ce produit.

**Pour installation encastré:** Accès-dessus du plafond nécessaire. Intrinsèquement protégé. Barrière de vapeur doit être adapté à 90°C. Tapez IC.

## ⚠️ ADVERTENCIA

**RIESGO DE LESIONES PERSONALES – Lea y siga todas las advertencias e instrucciones de instalación.**

Mantener o proporcionar al propietario para referencia futura.

**Riesgo de cortes:** Use guantes para evitar cortes o abrasiones en la eliminación de la caja, manejo, instalación y mantenimiento de este producto.

**Riesgo de choque eléctrico.** Este producto debe ser instalado de acuerdo con el código de Instalación aplicable en que una persona familiarizada con la construcción y operación del producto y los riesgos involucrados.

**Riesgo de Incendio:** Mínimo 90° C los conductores de suministro. Consulte a un electricista calificado para asegurarse el conductor correcto del circuito.

ASD® no asume ninguna responsabilidad por reclamaciones derivadas de una instalación inadecuada o negligente o la manipulación de este producto.

Para instalación empotrada: Acceso por encima del techo requerido. Inherentemente protegida. Barrera de vapor debe ser adecuado para 90°C. Escriba IC.



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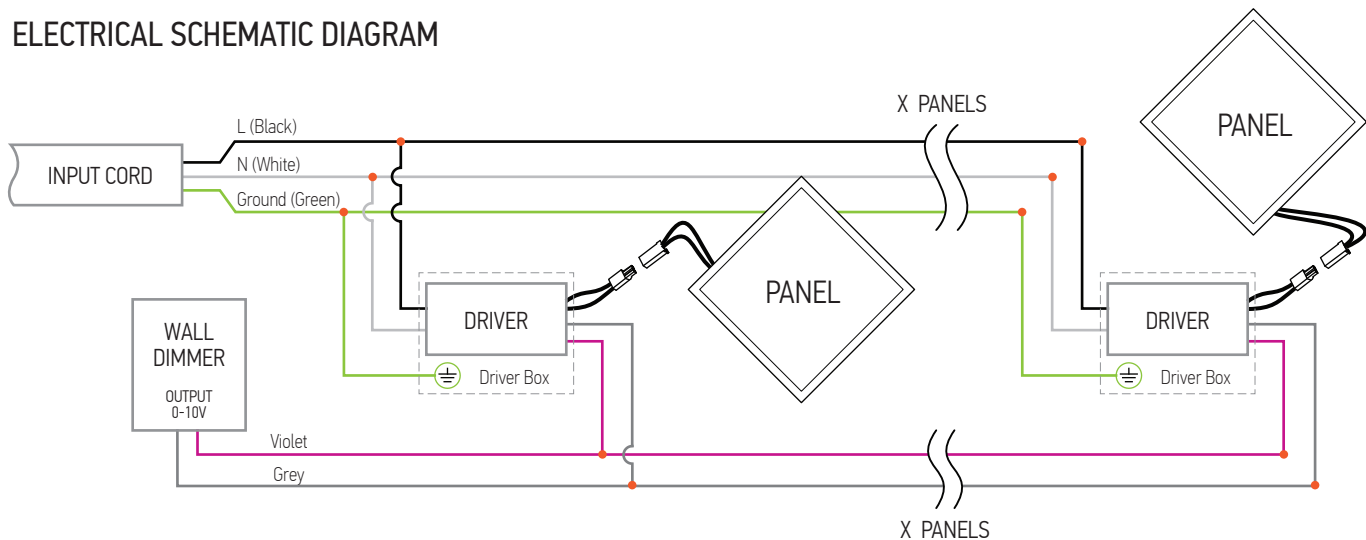
## INSTALLATION GUIDE

### 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 is designed for indoor use only.
- ▶ The product must be installed by a qualified electrician in accordance with the National Electrical Code and corresponding local codes.
- ▶ If the product is damaged, do not use it.
- ▶ The panel should be used with the LED Driver.

### ELECTRICAL SCHEMATIC DIAGRAM



### MASTER / SATELLITE DEFINITION:

Each panel can be wired as a Master/Satellite panel. During mounting, one fixture in the room should be wired as a Master, and the others in the room should be wired as Satellites.

Up to 20 panels can be linked to each master panel. Total power of LED Panels shall not exceed the wattage of dimmer.

### BUILDING AUTOMATION COMPATIBLE:

Multiple panels can also be controlled from a single source. The panels can be linked to building automation systems. The driver can be remote-mounted at a distance of not more than 1.5m from the panel



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## INSTALLATION STEPS

### ASSEMBLING PANEL

1. Turn off the main power.

Connect the connector between LED Panel and output of LED Driver.

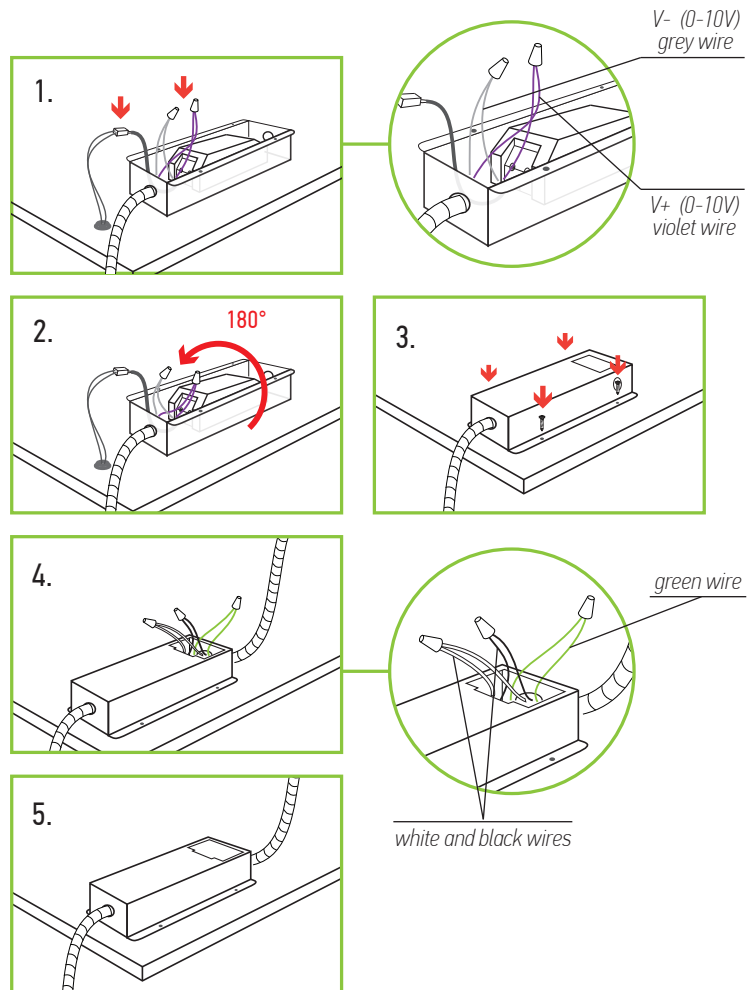
Insert the MC cable into the knock out hole of the junction box and connect the 0-10V signal lines to the junction box through the MC cable.

2. Turn over the driver box.

3. Fix the driver box on the panel with screws.

4. Open the lid of the junction box insert the MC cable into the knock out hole on the other side of the junction box and connect the power cord to the junction box through the MC cable.

5. Tidy up the wires into the driver box, and then fix the lid with screw.







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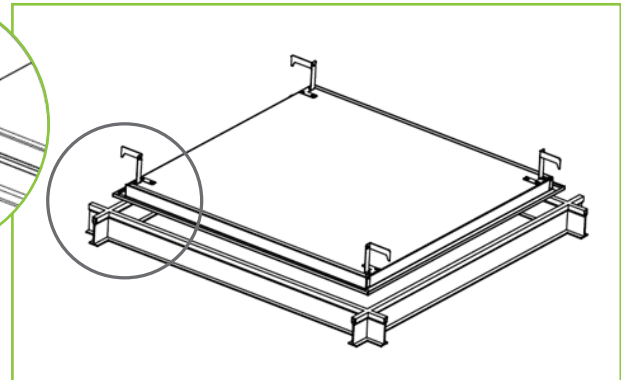
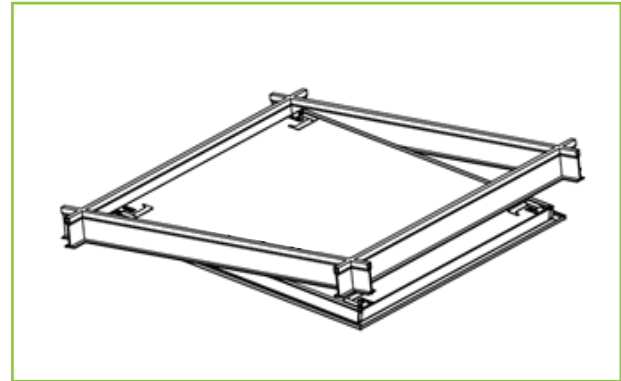
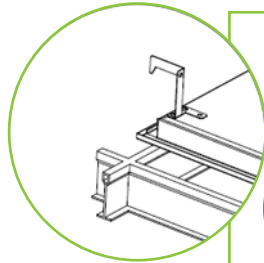
## Standard Series

### RECESSED MOUNT

1. Choose the ceiling panel where you want to install the product, and remove it. For convenience, move adjacent ceiling tiles.

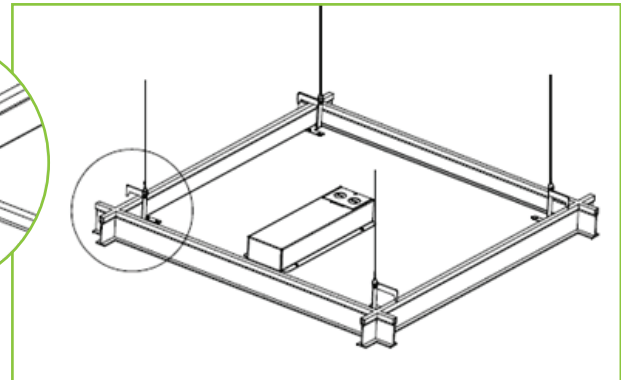
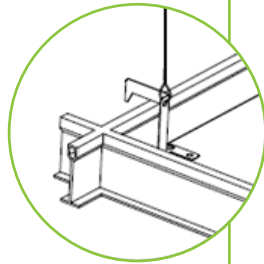
2. Fix the LED Panel into the ceiling: raise up the product above the bar, then place it on T-bars.

*Two bend points for all four tabs*



3. Secure the panel with the grid as shown in the picture.

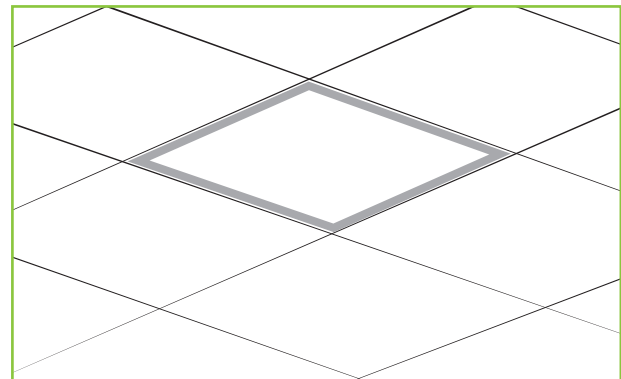
*Ensure the tab is securely attached to the grid*



4. Assemble the panel and connect wires as shown in "Assembling panel".

5. Return the adjacent ceiling tiles to their places.

6. Turn on the main power. Installation is finished.



### Compatible with grid size

15/16"	Slot T	15/16" Tegular





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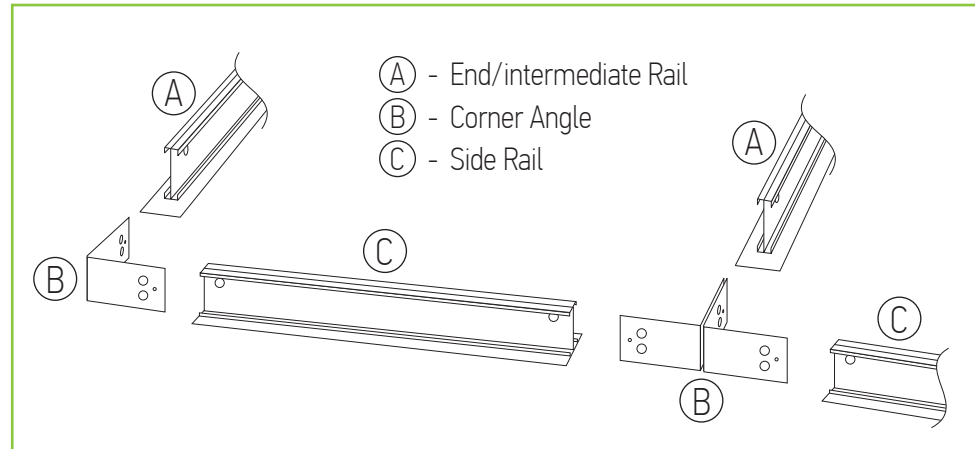
## Standard Series

### RECESSED SHEETROCK MOUNT

Ceiling cutout sizes:

$$2 \times 2 = 23 \frac{3}{4} \times 23 \frac{3}{4}$$

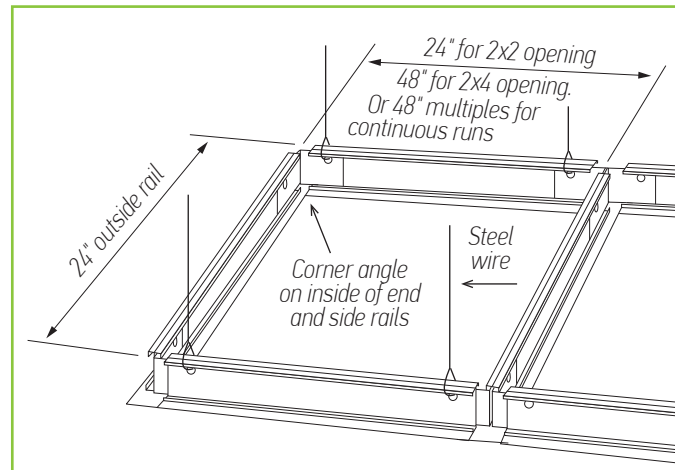
$$2 \times 4 = 23 \frac{3}{4} \times 47 \frac{3}{4}$$



1. Following the picture above, slide part B into the inboard side of parts C and A as shown.
2. Place assembled frame into a ceiling opening and add steel wires for support as pictured below.

**Note:**

- For best results, attach supporting steel wires going into the ceiling to sides of frame after assembly
- End rail can be used as intermediate rail for tandem row



Accessories for recessed sheetrock mount are sold separately.

### FRAME FOR RECESSED SHEETROCK MOUNTING ORDERING INFORMATION:

GTIN 12	Model Number	Panel Size
855029006393	ASD-FDW-ELP22	2x2
857622006107	ASD-FDW-ELP24	2x4



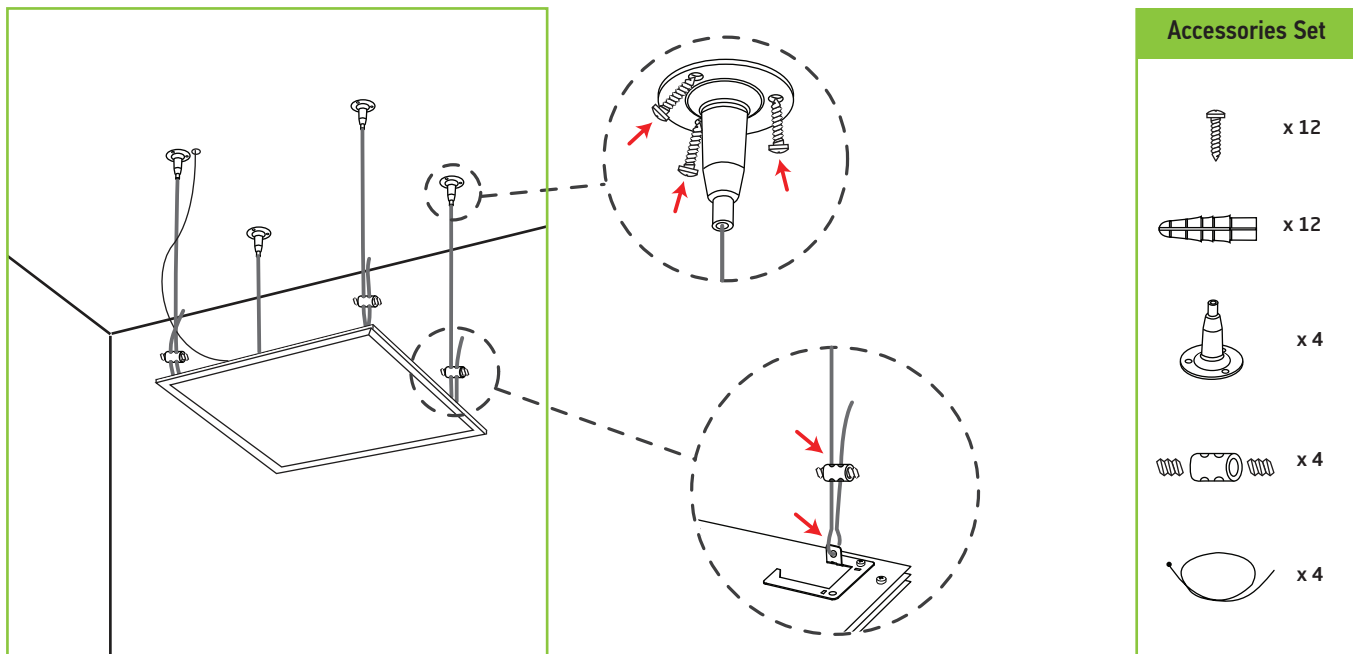
# LED Edge-Lit Flat Panels

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### SUSPENDED MOUNT

(only for 2x2 and 1x4 LED flat panels):

1. Make sure that the ceiling can hold the weight of the LED panel and install ceiling brackets suitable to support the weight of the LED panel. Affix cables.
2. Gather panel and connect the wires as shown in "Assembling panel".
3. Attach the suspended cables to the bends at the edges of the LED flat panel.
4. Turn on the main power. Installation is finished.



Accessories for suspended installation are sold separately.

### CEILING HANGING SET ORDERING INFORMATION:

GTIN 12	Model Number
859961005148	ASD-CHS4
855029006522	ASD-CHS6



# LED Edge-Lit Flat Panels

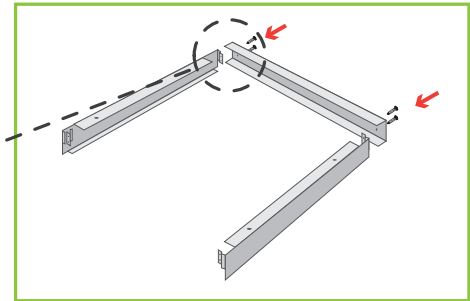
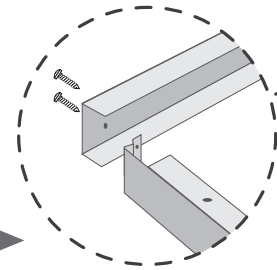
## Standard Series

### SURFACE MOUNT

#### Wall/ceiling mount:

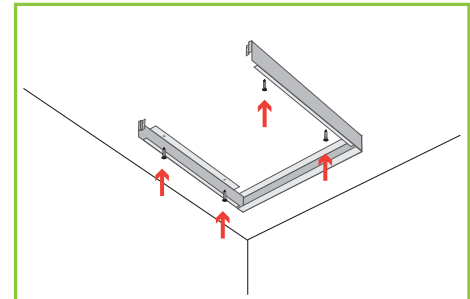
1. Put the pieces of frame to any horizontal surface.
2. Fix two of these three pieces of

*Connect three pieces and fix them with screws.*

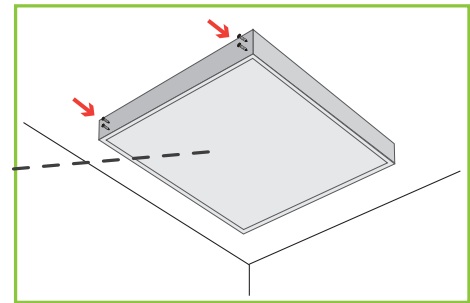
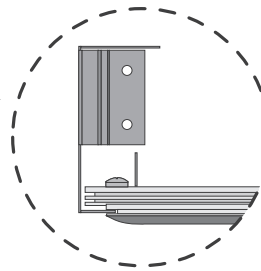


frame (those ones that are parallel and that have corresponding holes in them) to the ceiling with four screws.

3. Gather panel and connect the wires as shown in "Assembling panel".



*Insert the panel into the frame formed by three connected pieces*



4. Close it with the fourth piece, fix this piece to other ones with screws.
5. Turn on the main power. Installation is complete.

Accessories for surface installation are sold separately.

### FRAME FOR SURFACE MOUNTING ORDERING INFORMATION:

GTIN 12	Model Number	Panel Size
859961005315	ASD-FELP22	2x2
859961005322	ASD-FELP14	1x4
859961005339	ASD-FELP24	2x4