



LED Edge-Lit Flat Panels

High Efficiency Series

ASD LED Edge Lit Flat Panels High Efficiency Series are a modern cutting-edge fixture producing 110 lm/W. Our edge-lit panels measure only ½ " thick making us one of the slimmest panels in the marketplace today. The main advantages of our UL and DLC LED panels are that they are high-efficiency panels absent of hazardous materials and are maintenance-free.

Our LED panels are an ideal choice to reduce energy costs in commercial and residential applications. They are widely used in offices, schools, hospitals, retail stores and airports.

ASD LED Edge Lit Flat Panels High Efficiency Series have low energy consumption, long life and sustainable light with no shadows. They can be mounted in a recessed, suspended or surface application.



FEATURES AND BENEFITS:

- ▶ Contemporary design
- ▶ Available in 2x2, 1x4 and 2x4 sizes
- ▶ Standard 0~10 V dimming
- ▶ High luminous efficiency 110 lm/W
- ▶ Low energy consumption
- ▶ Light guide plate technology with side glow
- ▶ White frame
- ▶ LED luminaire for recessed, suspended or surface mount
- ▶ cULus certified
- ▶ DesignLights™ Consortium (DLC) listed
- ▶ LED lifetime >100,000 hrs
- ▶ 5-year limited warranty



ORDERING MATRIX

Family	Size	Dimmable 0~10 V	Watts	CCT	Luminous Efficiency
ASD-ELP	XX	XX	XX	XX	HE
Edge-Lit Panel	14 = type 1x4	D = Dimmable	22 = 22 W	35 = 3500 K	High efficiency
	22 = type 2x2	N = No dimmable	27 = 27 W	40 = 4000 K	
	24 = type 2x4		40 = 40 W	50 = 5000 K	
				65 = 6500 K	



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LED EDGE-LIT PANEL:

Model	Type	Watts	Dimming	CCT	Lumens	Dimensions (LxWxH)
ASD-ELP22D2235HE	2x2	22 W	YES	3500 K	2420 lm	23.8"x23.8"x0.6"
ASD-ELP22D2240HE	2x2	22 W	YES	4000 K	2420 lm	23.8"x23.8"x0.6"
ASD-ELP22D2250HE	2x2	22 W	YES	5000 K	2420 lm	23.8"x23.8"x0.6"
ASD-ELP22D2735HE	2x2	27 W	YES	3500 K	2970 lm	23.8"x23.8"x0.6"
ASD-ELP22D2740HE	2x2	27 W	YES	4000 K	2970 lm	23.8"x23.8"x0.6"
ASD-ELP22D2750HE	2x2	27 W	YES	5000 K	2970 lm	23.8"x23.8"x0.6"
ASD-ELP22D2765HE	2x2	27 W	YES	6500 K	2970 lm	23.8"x23.8"x0.6"
ASD-ELP22N2735HE*	2x2	27 W	NO	3500 K	2970 lm	23.8"x23.8"x0.6"
ASD-ELP22N2740HE*	2x2	27 W	NO	4000 K	2970 lm	23.8"x23.8"x0.6"
ASD-ELP22N2750HE*	2x2	27 W	NO	5000 K	2970 lm	23.8"x23.8"x0.6"
ASD-ELP22N2765HE*	2x2	27 W	NO	6500 K	2970 lm	23.8"x23.8"x0.6"
ASD-ELP14D2735HE	1x4	27 W	YES	3500 K	2970 lm	11.8"x47.8"x0.6"
ASD-ELP14D2740HE	1x4	27 W	YES	4000 K	2970 lm	11.8"x47.8"x0.6"
ASD-ELP24D4035HE	2x4	40 W	YES	3500 K	4400 lm	23.8"x47.8"x0.6"
ASD-ELP24D4040HE	2x4	40 W	YES	4000 K	4400 lm	23.8"x47.8"x0.6"
ASD-ELP24D4050HE	2x4	40 W	YES	5000 K	4400 lm	23.8"x47.8"x0.6"
ASD-ELP24D4065HE	2x4	40 W	YES	6500 K	4400 lm	23.8"x47.8"x0.6"

*Driver included, without DLC

LED DRIVER:

Model	Watts	Dimming	Input Voltage	Output Voltage	Max Current	Power Factor	Dimensions (L x W x H)
ASD-BLP22D	22 W	0~10 V	100-277 V	30-42 V	550 mA	≥ 0.9	4.1" x 11" x 1.8"
ASD-BLP27D	27 W	0~10 V	100-277 V	30-42 V	700 mA	≥ 0.9	4.1" x 11" x 1.8"
ASD-BLP40D	40 W	0~10 V	100-277 V	30-42 V	1050 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-ELP22D2235HE ASD-ELP22D2240HE ASD-ELP22D2250HE ASD-ELP22D2735HE ASD-ELP22D2740HE ASD-ELP22D2750HE ASD-ELP22D2765HE	ASD-ELP22N2735HE* ASD-ELP22N2740HE* ASD-ELP22N2750HE* ASD-ELP22N2765HE* *Driver included	ASD-ELP14D2735HE ASD-ELP14D2740HE	ASD-ELP24D4035HE ASD-ELP24D4040HE ASD-ELP24D4050HE ASD-ELP24D4065HE
	12.1 lbs (5.5 kg)	12.2 lbs (5.6 kg)	12.4 lbs (5.8 kg)	22.4 lbs (10.2 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
LED lifetime	>100,000 hrs

Optical System				
Luminous Flux	ASD-ELP22D2235HE	2 380 lm	ASD-ELP22N2750HE	3 166 lm
	ASD-ELP22D2240HE	2 386 lm	ASD-ELP22N2765HE	3 208 lm
	ASD-ELP22D2250HE	2 477 lm	ASD-ELP14D2735HE	3 054 lm
	ASD-ELP22D2735HE	3 056 lm	ASD-ELP14D2740HE	3 120 lm
	ASD-ELP22D2740HE	3 131 lm	ASD-ELP24D4035HE	4 372 lm
	ASD-ELP22D2750HE	3 166 lm	ASD-ELP24D4040HE	4 413 lm
	ASD-ELP22D2765HE	3 208 lm	ASD-ELP24D4050HE	4 490 lm
	ASD-ELP22N2735HE	3 056 lm	ASD-ELP24D4065HE	4 530 lm
	ASD-ELP22N2740HE	3 131 lm		
Luminous Efficiency	110 lm/W			
Color Temperature	3500 K, 4000 K, 5000 K, 6500 K			
CRI	80			



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Electrical System				
Input Voltage	100~277VAC 50/60 Hz			
Off State Power	0 W			
Power Consumption	ASD-ELP22D2235HE ASD-ELP22D2240HE ASD-ELP22D2250HE	ASD-ELP22D2735HE ASD-ELP22D2740HE ASD-ELP22D2750HE ASD-ELP22D2765HE ASD-ELP22N2735HE ASD-ELP22N2740HE ASD-ELP22N2750HE ASD-ELP22N2765HE	ASD-ELP14D2735HE ASD-ELP14D2740HE	ASD-ELP24D4035HE ASD-ELP24D4040HE ASD-ELP24D4050HE ASD-ELP24D4065HE
	22 W	27 W	27W	40 W
Power Factor	≥ 0.9			
THD	< 20%			
Output voltage	30~42 V			
Max current	ASD-ELP22D2235HE ASD-ELP22D2240HE ASD-ELP22D2250HE	ASD-ELP22D2735HE ASD-ELP22D2740HE ASD-ELP22D2750HE ASD-ELP22D2765HE ASD-ELP22N2735HE ASD-ELP22N2740HE ASD-ELP22N2750HE ASD-ELP22N2765HE	ASD-ELP14D2735HE ASD-ELP14D2740HE	ASD-ELP24D4035HE ASD-ELP24D4040HE ASD-ELP24D4050HE ASD-ELP24D4065HE
	500 mA	700 mA	700 mA	1050 mA

Control (information is effective for dimmable panels only)	
Dimming Switch	Standard 0~10 V dimming 5% - 100%
Linking Lengths/Qty	15 cable feet x 20 panels

Regular and Voluntary Certifications	
5-year limited warranty	
DesignLights™ Consortium (DLC) listed	
cULus certified	E473804 - Suspended/Surface mounted panel E473854 - Recessed mounted panel E473855 - Driver

Dimming Compatible Controls

MFG	Model Number
Lutron	NFTV
Leviton	IPL710 DLZ
Leviton	IPL710 DL
Cooper	SF10P-W



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LED EDGE-LIT PANEL ORDERING INFORMATION:

Model	Type	Watts	CCT	GTIN 12	GTIN 14	Product Code	Pcs in one Carton	Carton Size	Carton Weight
ASD-ELP22D2235HE	2x2	22 W	3500 K	859961005612	10859961005619	021.0115	4	26.8"x26.8"x9.3"	49.9 lbs
ASD-ELP22D2240HE	2x2	22 W	4000 K	859961005438	10859961005435	021.0109	4	26.8"x26.8"x9.3"	49.9 lbs
ASD-ELP22D2250HE	2x2	22 W	5000 K	859961005445	10859961005442	021.0110	4	26.8"x26.8"x9.3"	49.9 lbs
ASD-ELP22D2735HE	2x2	27 W	3500 K	859961005629	10859961005626	021.0113	4	26.8"x26.8"x9.3"	49.9 lbs
ASD-ELP22D2740HE	2x2	27 W	4000 K	859961005452	10859961005459	021.0107	4	26.8"x26.8"x9.3"	49.9 lbs
ASD-ELP22D2750HE	2x2	27 W	5000 K	859961005469	10859961005466	021.0108	4	26.8"x26.8"x9.3"	49.9 lbs
ASD-ELP22D2765HE	2x2	27 W	6500 K	859961005636	10859961005633	021.0116	4	26.8"x26.8"x9.3"	49.9 lbs
ASD-ELP22N2735HE	2x2	27 W	3500 K	857622006145	00857622006176	021.0120	2	26.8"x26.8"x7.5"	28.4 lbs
ASD-ELP22N2740HE	2x2	27 W	4000 K	857622006138	00857622006135	021.0121	2	26.8"x26.8"x7.5"	28.4 lbs
ASD-ELP22N2750HE	2x2	27 W	5000 K	857622006121	00857622006169	021.0122	2	26.8"x26.8"x7.5"	28.4 lbs
ASD-ELP22N2765HE	2x2	27 W	6500 K	857622006114	00857622006152	021.0123	2	26.8"x26.8"x7.5"	28.4 lbs
ASD-ELP14D2735HE	1x4	27 W	3500 K	859961005643	10859961005640	021.0119	4	50.8"x14.8"x9.3"	51.4 lbs
ASD-ELP14D2740HE	1x4	27 W	4000 K	859961005650	10859961005657	021.0117	4	50.8"x14.8"x9.3"	51.4 lbs
ASD-ELP24D4035HE	2x4	40 W	3500 K	859961005667	10859961005664	021.0114	2	50.8"x26.8"x4.9"	50.4 lbs
ASD-ELP24D4040HE	2x4	40 W	4000 K	859961005476	10859961005473	021.0111	2	50.8"x26.8"x4.9"	50.4 lbs
ASD-ELP24D4050HE	2x4	40 W	5000 K	859961005483	10859961005480	021.0112	2	50.8"x26.8"x4.9"	50.4 lbs
ASD-ELP24D4065HE	2x4	40 W	6500 K	859961005674	10859961005671	021.0118	2	50.8"x26.8"x4.9"	50.4 lbs

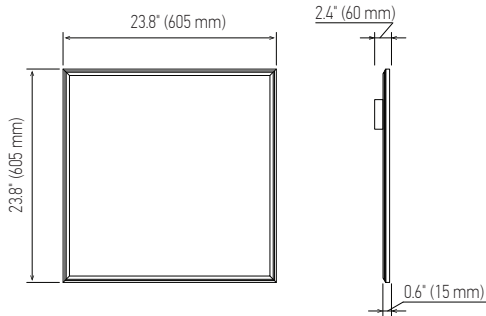
LED DRIVER ORDERING INFORMATION:

Model	Watts	GTIN 12	GTIN 14	Product Code	Pcs in one Carton	Carton Size	Carton Weight
ASD-BLP22D	22 W	859961005490	10859961005497	027.0104	4	12"x9.5"x5.1"	6.5 lbs
ASD-BLP27D	27 W	859961005506	10859961005503	027.0103	4	12"x9.5"x5.1"	6.5 lbs
ASD-BLP40D	40 W	859961005162	10859961005169	027.0101	4	12"x9.5"x5.1"	6.5 lbs

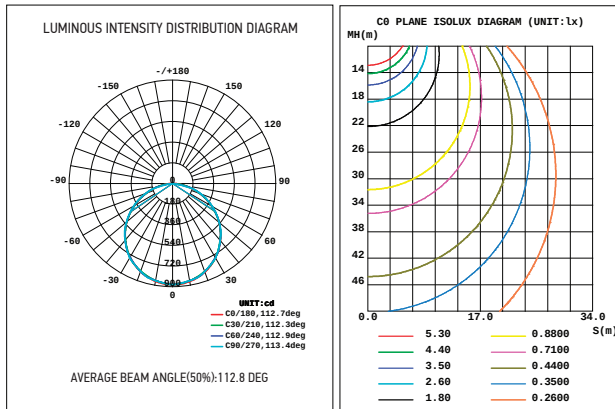


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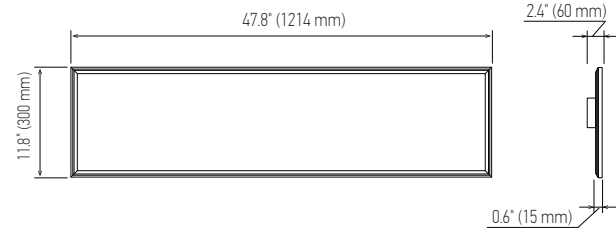
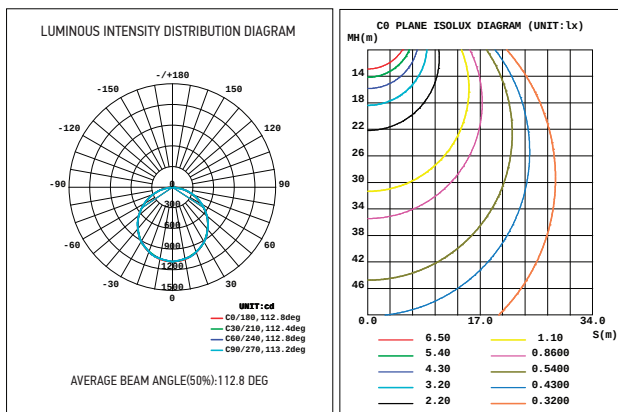
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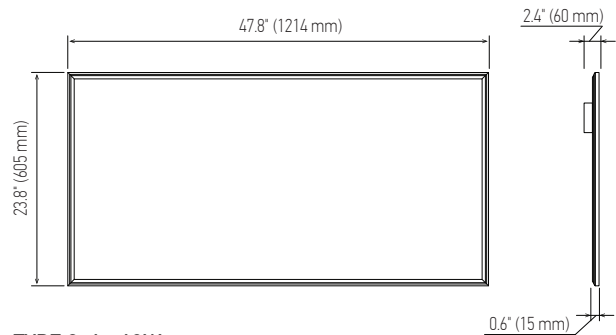
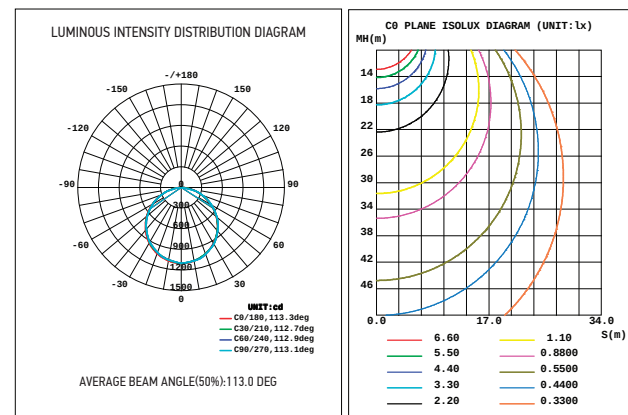
TYPE 2x2 22W



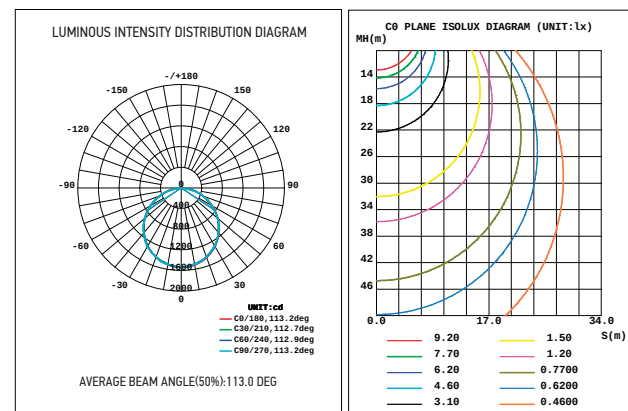
TYPE 2x2 27W



TYPE 1x4 27W



TYPE 2x4 40W





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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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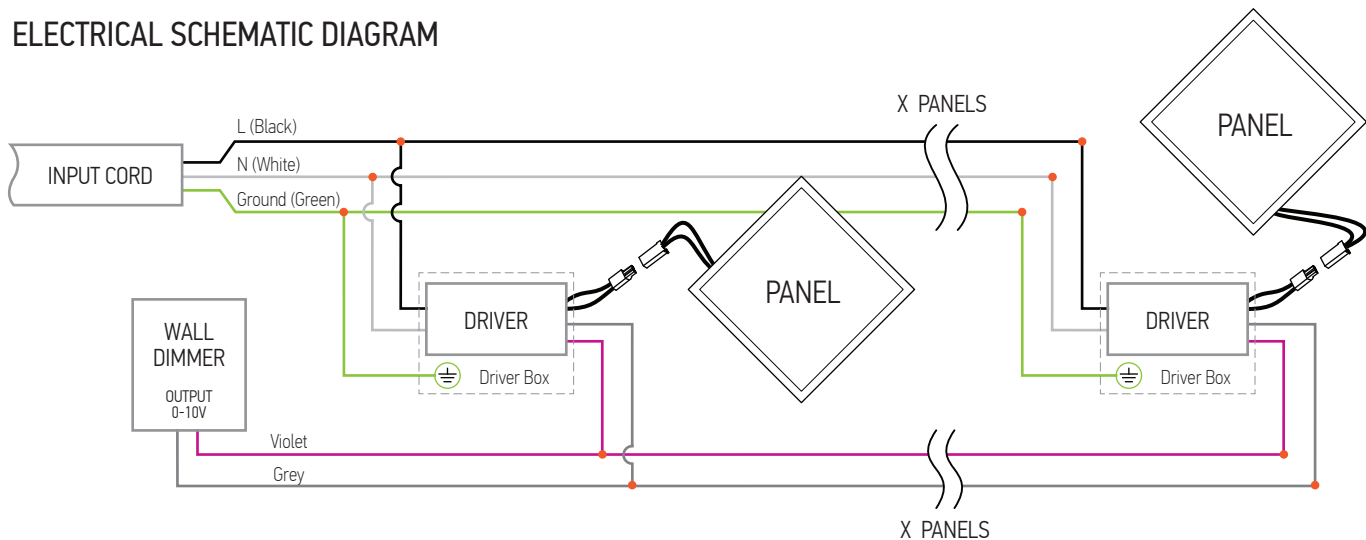
INSTALLATION GUIDE

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.

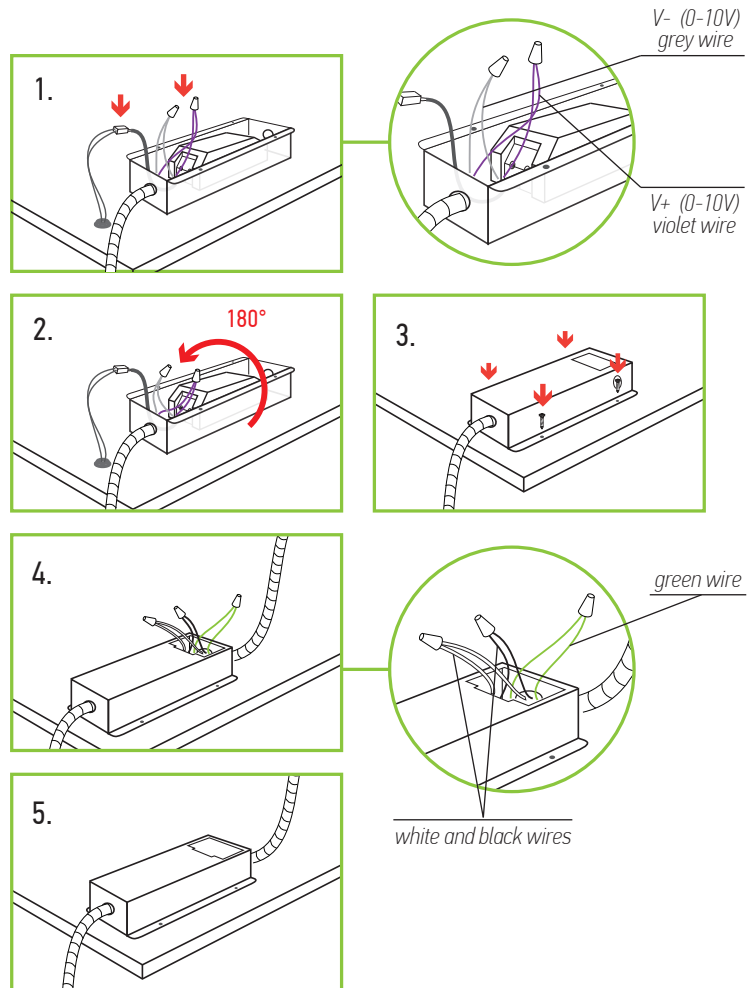
Insert the MC cable into the knock out hole of the junction box and connect the 0-10V signal lines to the junction box through the MC cable.

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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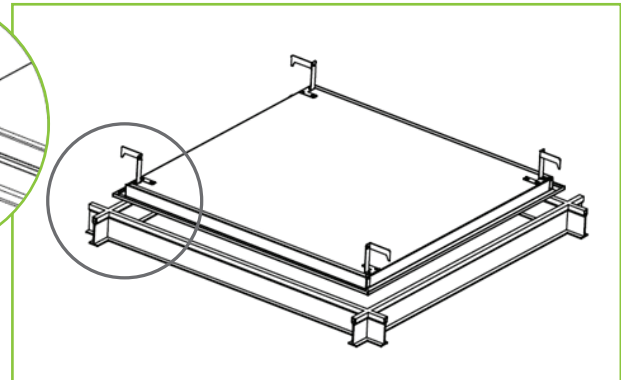
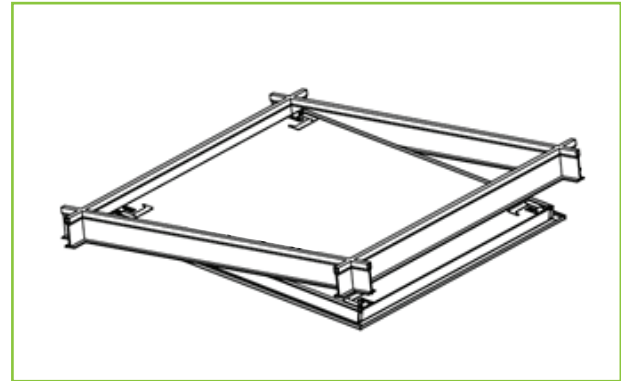
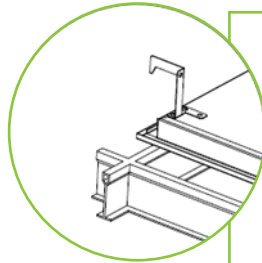
High Efficiency Series

RECESSED MOUNT

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

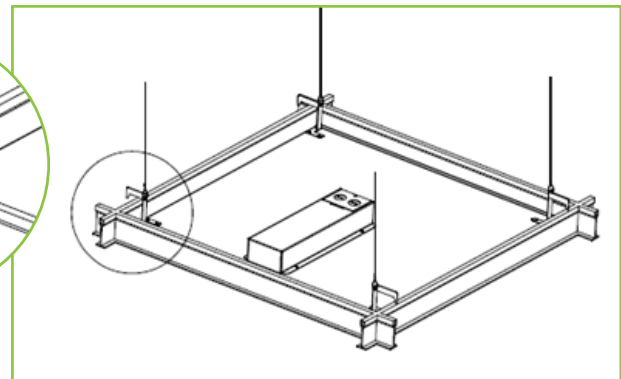
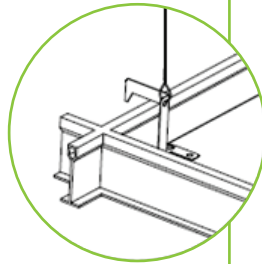
2. Fix the LED Panel into the ceiling: raise up the product above the bar, then place it on T-bars.

Two bend points for all four tabs

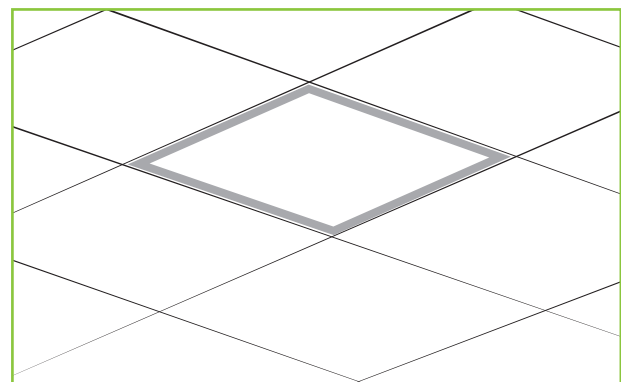


3. Secure the panel with the grid as shown in the picture.

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" Tegral



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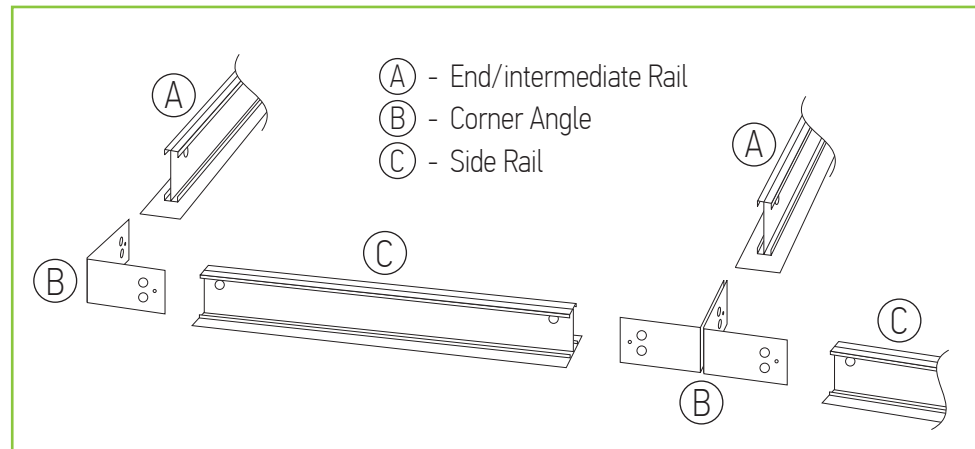
RECESSED SHEETROCK MOUNT

Ceiling cutout sizes:

1x4 = 11 3/4" x 47 3/4"

2x2 = 23 3/4" x 23 3/4"

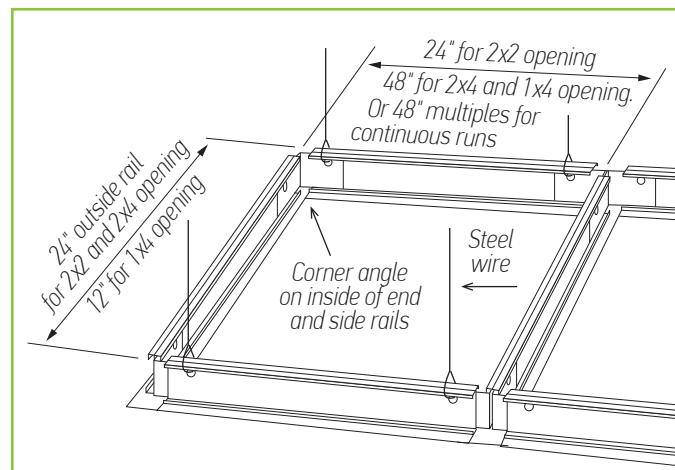
2x4 = 23 3/4" x 47 3/4"



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
857622006220	ASD-FDW-ELP14	1x4
855029006393	ASD-FDW-ELP22	2x2
857622006107	ASD-FDW-ELP24	2x4



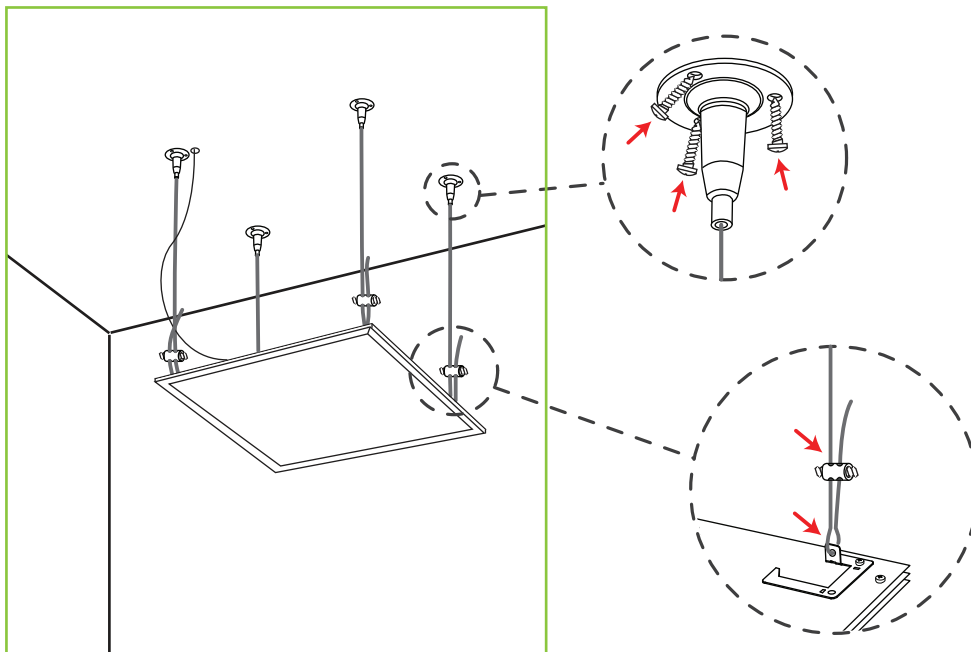
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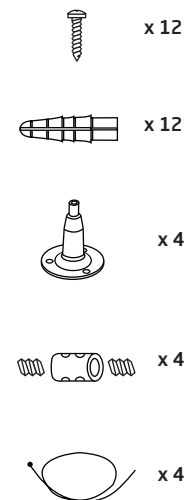
SUSPENDED MOUNT

(only for 2x2 and 1x4 LED Edge-Lit 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 Set



Accessories for suspended mount are sold separately.

CEILING HANGING SET ORDERING INFORMATION:

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



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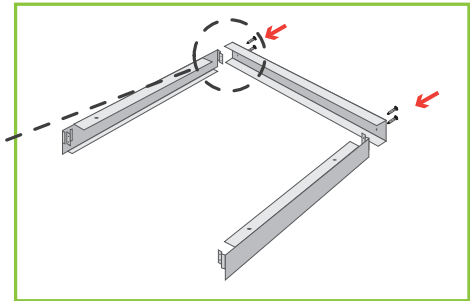
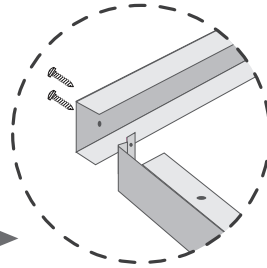
SURFACE MOUNT

Wall/ceiling mount:

1. Put the pieces of frame to any horizontal surface.

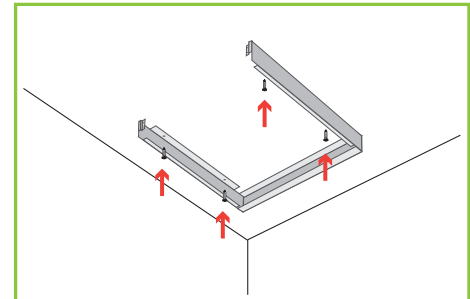
2. Fix two of these three pieces of

*Connect three pieces
and fix them with screws.*

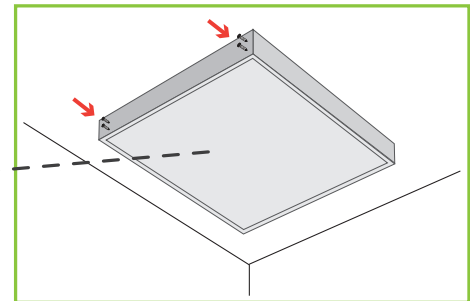
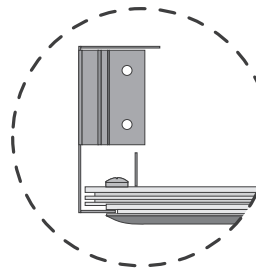


frame (those ones that are parallel and that have corresponding holes in them) to the ceiling with four screws.

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 mount 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