# LED BACK-LIT FLAT PANEL

▶ **DESIGN & OPTIONS** - LED BACK-LIT FLAT PANELS come with a unique design, aluminum frame, and a 0-10V dimmable driver with circuit overload, short circuit, and low-voltage protection, making it both safe and reliable. Special LED bead location ensures better heat dissipation and less light decay, and the non-yellowing PC diffuser provides uniform light distribution. The fixture comes with 120-277V and three sizes: 1x4, 2x2 and 2x4. You can choose either 4,000K or 5,000K color temperatures. Models with power and CCT options are also available, you can choose either 3,000K, 3,500K, 4,000K or 5,000K with a simple switch.

▶ **INSTALLATION** - This fixture has convenient recessed mounting for drop in installation with standard grid ceilings. Also can be suspended with aircraft cable or wire (not included) to the attached clips. Clips can be folded over the "T" grid locking the light to the grid. Ideal for use in earthquake zones requiring seismic securing clips. Low Frame sold separate for surface mounting installation. Refer to install instructions for detailed steps.

▶ **APPLICATION** - These fixtures are perfect for commercial, industrial, and residential applications such as: offices, hospitals, schools, retail, and workshops. The fixture is Damp location rated and can operate in temperatures between 14+104°F (-10+40°C).

▶ **ENERGY SAVINGS & EFFICIENCY** - This fixture provides a lumen output that is equal to or higher than traditional fluorescent architectural troffers and can cut your electric bill by up to 80% instantly. With a lifespan of 60,000 hours, these fixtures are made to last decades under normal operation! This fixture will save you a significant amount of money in its lifetime.

▶ **CERTIFICATION & WARRANTY** - Buy with confidence: ASD provides a 5-year warranty along with UL and DLC Premium certifications to guarantee top quality products and safety!
Top US certifications allow participation in rebates; please check the rebate programs available in your state.

| Catalog number | |
|---|---|
| Notes | |
| Type | |

POWER ADJUSTABLE
OPTION

COLOR ADJUSTABLE
OPTION
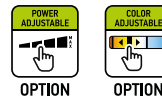
## PRODUCT LEGEND:

| Family | Size | Dimmable | Watts | CCT | Series |
|---|---|---|---|---|---|
| **ASD-BLP** | **XX** | **X** | **XX** | **XX** | **XXX** |
| LED Back-Lit Flat Panel | **14** = type 1x4 | **D** = Dimmable | **25** = 25 W | **40** = 4,000 K | **PRM** = Premium |
| | **22** = type 2x2 | **A** = Power Adjustable | **32** = 32 W | **50** = 5,000 K | |
| | **24** = type 2x4 | | **40** = 40 W | **AC** = 3,500/4,000/5,000 K | |
| | | | **50** = 50 W | **AC** = 3,000/3,500/4,000/5,000 K | |
| | | | **35** = 20/25/30/35 W | | |

## LED BACK-LIT FLAT PANEL:

| Model | Type | Watts | Dimmable | CCT | Lumens | Dimensions (LxWxH) | Series |
|---|---|---|---|---|---|---|---|
| ASD-BLP-14A35AC-PRM | 1x4 | 20/25/30/35 W | 0 - 10 V | 3,000/3,500/4,000/5,000 K | 2,791/3,510/4,071/4,388 lm | 47 3/4" x 11 7/8" x 1 1/4" | Premium |
| ASD-BLP-22D2540-PRM | 2x2 | 25 W | 0 - 10 V | 4,000 K | 3,225 lm | 23 3/4" x 23 3/4" x 1 1/4" | Premium |
| ASD-BLP-22D2550-PRM | 2x2 | 25 W | 0 - 10 V | 5,000 K | 3,250 lm | 23 3/4" x 23 3/4" x 1 1/4" | Premium |
| ASD-BLP-22D25AC-PRM | 2x2 | 25 W | 0 - 10 V | 3,500/4,000/5,000 K | 3,368/3,617/3,472 lm | 23 3/4" x 23 3/4" x 1 1/4" | Premium |
| ASD-BLP-24D3240-PRM | 2x4 | 32 W | 0 - 10 V | 4,000 K | 4,384 lm | 47 3/4" x 23 3/4" x 1 1/4" | Premium |
| ASD-BLP-24D4040-PRM | 2x4 | 40 W | 0 - 10 V | 4,000 K | 5,160 lm | 47 3/4" x 23 3/4" x 1 1/4" | Premium |
| ASD-BLP-24D4050-PRM | 2x4 | 40 W | 0 - 10 V | 5,000 K | 5,200 lm | 47 3/4" x 23 3/4" x 1 1/4" | Premium |
| ASD-BLP-24D5040-PRM | 2x4 | 50 W | 0 - 10 V | 4,000 K | 6,450 lm | 47 3/4" x 23 3/4" x 1 1/4" | Premium |
| ASD-BLP-24D40AC-PRM | 2x4 | 40 W | 0 - 10 V | 3,500/4,000/5,000 K | 5,423/5,750/5,605 lm | 47 3/4" x 23 3/4" x 1 1/4" | Premium |

*For most up-to-date spec sheets please refer to asd-lighting.com*

UL CERTIFIED    DLC PREMIUM

# LED BACK-LIT FLAT PANEL

## PRODUCT SPECIFICATIONS:

### Construction & Materials

| | | | |
|---|---|---|---|
| Housing | Iron, PC, Aluminum | | |
| Lens | Translucent white | | |
| Finish | White | | |

| Weight | ASD-BLP-14A35AC-PRM | 5 lb (2.3 kg) | ASD-BLP-24D3240-PRM | 9 lb (4.1 kg) |
|---|---|---|---|---|
| | ASD-BLP-22D2540-PRM | 4.4 lb (2 kg) | ASD-BLP-24D4040-PRM | |
| | ASD-BLP-22D2550-PRM | | ASD-BLP-24D4050-PRM | |
| | ASD-BLP-22D25AC-PRM | | ASD-BLP-24D5040-PRM | |
| | | | ASD-BLP-24D40AC-PRM | |

### Environmental System

| | |
|---|---|
| Work Environment | Suitable for Damp Locations, IP40 |
| Operating Temperature | 14°F to 104°F (-10°C to +40°C) |
| L70 Life | R > 60,000 hrs;  C > 179,000 hrs |

### Optical System

| Luminous Flux | ASD-BLP-14A35AC-PRM | 2,791/3,510/4,071/4,388 lm | ASD-BLP-24D3240-PRM | 4,384 lm |
|---|---|---|---|---|
| | ASD-BLP-22D2540-PRM | 3,225 lm | ASD-BLP-24D4040-PRM | 5,160 lm |
| | ASD-BLP-22D2550-PRM | 3,250 lm | ASD-BLP-24D4050-PRM | 5,200 lm |
| | ASD-BLP-22D25AC-PRM | 3,368/3,617/3,472 lm | ASD-BLP-24D5040-PRM | 6,450 lm |
| | | | ASD-BLP-24D40AC-PRM | 5,423/5,750/5,605 lm |

| | |
|---|---|
| Color Temperature | 4,000 K; 5,000 K; 3,000/3,500/4,000/5,000 K; 3,500/4,000/5,000 K |
| CRI | > 80 |

### Electrical System

| | |
|---|---|
| Input Voltage | 120-277 V |

| Max input current | ASD-BLP-14A35AC-PRM | 0.35 A | ASD-BLP-24D3240-PRM | 0.4 A |
|---|---|---|---|---|
| | ASD-BLP-22D2540-PRM | 0.3 A | ASD-BLP-24D4040-PRM | |
| | ASD-BLP-22D2550-PRM | | ASD-BLP-24D4050-PRM | |
| | ASD-BLP-22D25AC-PRM | 0.32 A | ASD-BLP-24D5040-PRM | |
| | | | ASD-BLP-24D40AC-PRM | 0.5 A |

| Inrush current (Action time) | ASD-BLP-14A35AC-PRM | 50 A (0.5 S) | ASD-BLP-24D3240-PRM | 50 A (0.5 S) |
|---|---|---|---|---|
| | ASD-BLP-22D2540-PRM | | ASD-BLP-24D4040-PRM | |
| | ASD-BLP-22D2550-PRM | | ASD-BLP-24D4050-PRM | |
| | ASD-BLP-22D25AC-PRM | 60 A (0.5 S) | ASD-BLP-24D5040-PRM | |
| | | | ASD-BLP-24D40AC-PRM | |

| | |
|---|---|
| AC input range | min 100 V   max 305 V |
| Off State Power | 0 W |
| Surge protection | 2 kV |

| Power Consumption | ASD-BLP-14A35AC-PRM | 20/25/30/35 W | ASD-BLP-24D3240-PRM | 32 W |
|---|---|---|---|---|
| | ASD-BLP-22D2540-PRM | 25 W | ASD-BLP-24D4040-PRM | 40 W |
| | ASD-BLP-22D2550-PRM | | ASD-BLP-24D4050-PRM | |
| | ASD-BLP-22D25AC-PRM | | ASD-BLP-24D5040-PRM | 50 W |
| | | | ASD-BLP-24D40AC-PRM | 40 W |

| | |
|---|---|
| Power Factor | > 0.9 |
| Output voltage | 38-52 V |

| Max output current | ASD-BLP-14A35AC-PRM | 650 mA | ASD-BLP-24D3240-PRM | 650 mA |
|---|---|---|---|---|
| | ASD-BLP-22D2540-PRM | 550 mA | ASD-BLP-24D4040-PRM | 750 mA |
| | ASD-BLP-22D2550-PRM | | ASD-BLP-24D4050-PRM | |
| | ASD-BLP-22D25AC-PRM | 470 mA | ASD-BLP-24D5040-PRM | |
| | | | ASD-BLP-24D40AC-PRM | 780 mA |

| | |
|---|---|
| LED driver class | Class 2 |

### Dimming compatible controls

| Brand | Maxxima | Eaton | Keygma | Leviton | Lutron |
|---|---|---|---|---|---|
| Models | MEW-DM600LV | DF10P-C1 | KGM-1A010V | IP710-DLZ | DVSTV-WH |

### Regular and Voluntary Certifications

5-year limited warranty

DesignLights Consortium (DLC) listed  (Classification: Premium)
Main: Indoor Luminaires;
General Application: Troffer;
Primary Use: Luminaires for Ambient Lighting of Interior Commercial Spaces

cULus certified   E473854 - Recessed mounted panel

## PACKAGE CONTENTS:

| Description | Q-ty |
|---|---|
| LED Back-Lit Flat Panel | 2 |
| Box | 1 |
| Cut Sheet | 2 |

*For most up-to-date spec sheets please refer to asd-lighting.com*

# LED BACK-LIT FLAT PANEL

# 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 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.

## ⚠ WARNING

**RISK OF PERSONAL INJURY – READ and follow all WARNINGS and installation instructions.**
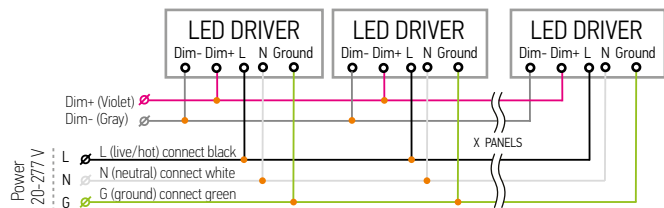
Keep or give to the owner for future reference.

**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 194°F 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.

## ELECTRICAL SCHEMATIC DIAGRAM:

| LED DRIVER | LED DRIVER | LED DRIVER |
|---|---|---|
| Dim- Dim+ L  N Ground | Dim- Dim+ L  N Ground | Dim- Dim+ L  N Ground |

Dim+ (Violet)
Dim- (Gray)

X PANELS

Power 120-277 V
L — L (live/hot) connect black
N — N (neutral) connect white
G — G (ground) connect green

Linking limits: up to 20 panels can be linked together.
Total power of LED Panels shall not exceed the wattage of dimmer.
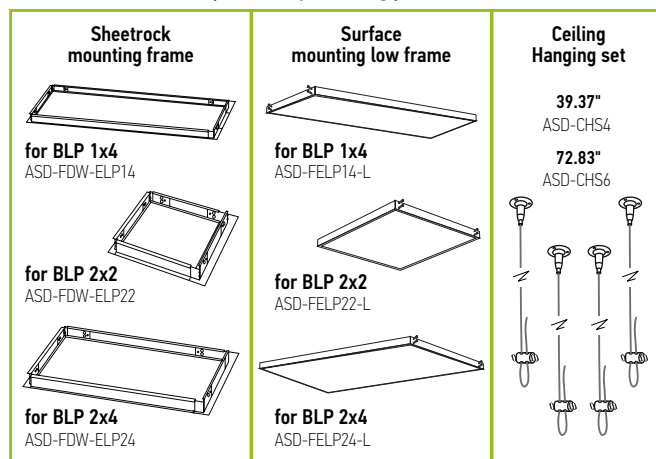
## SUSPENDED MOUNT   `ASD-CHS4`   `ASD-CHS6`

### sold separately:

**1.** Insert the wall plugs (not included) into the ceiling and secure the suspension surface fixing to the ceiling.

**2.** Lock the suspension cable to the clip. Adjust the cable length to meet the height requirements. Fix the cable to the ceiling.

| 1 | 2 |
|---|---|
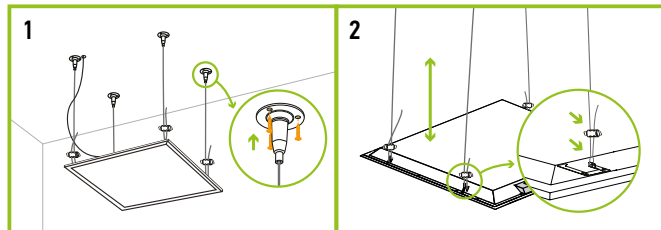
*For 1x4 and 2x4 installation please use 2 pcs of Ceiling Hanging set.

## ACCESSORIES (sold separately):

| Sheetrock mounting frame | Surface mounting low frame | Ceiling Hanging set |
|---|---|---|
| **for BLP 1x4** ASD-FDW-ELP14 | **for BLP 1x4** ASD-FELP14-L | **39.37"** ASD-CHS4 |
| **for BLP 2x2** ASD-FDW-ELP22 | **for BLP 2x2** ASD-FELP22-L | **72.83"** ASD-CHS6 |
| **for BLP 2x4** ASD-FDW-ELP24 | **for BLP 2x4** ASD-FELP24-L | |

## SURFACE MOUNT   `ASD-FELP14-L`

`ASD-FELP22-L`   `ASD-FELP24-L`   sold separately:

**1.** Connect 3 pieces of the frame to the ceiling using four screws.

**2.** Connect the panel wires as shown in electrical schematic diagram and insert panel into frame.

**3.** Attach the fourth piece and secure with screws. Power on to ensure installation is complete.

| 1 | 2 | 3 |
|---|---|---|
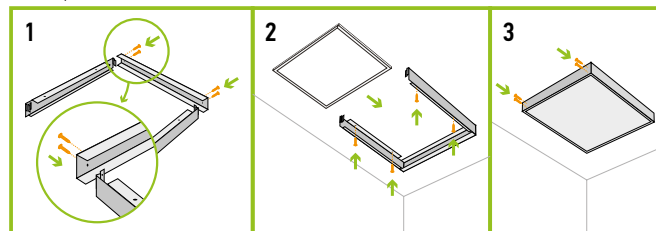
*Must remove earthquake hook before installing surface mount frame.

## COLOR TEMPERATURE SETTINGS:

for model: ASD-BLP-22D25AC-PRM, ASD-BLP-24D40AC-PRM

Color Temperature options:  5000K  4000K  3500K
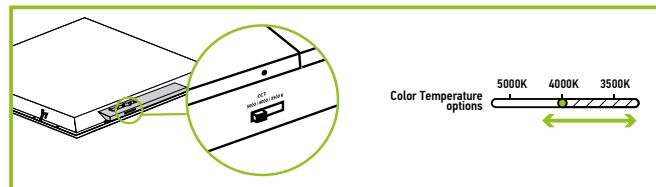
## POWER AND COLOR TEMPERATURE SETTINGS:

for model: ASD-BLP-14A35AC-PRM

Power options*:  35W  30W  25W  20W

Color Temperature options:  5000K  4000K  3500K  3000K
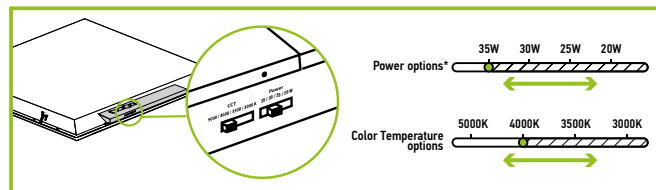
*Power options depends on model

*For most up-to-date spec sheets please refer to asd-lighting.com*
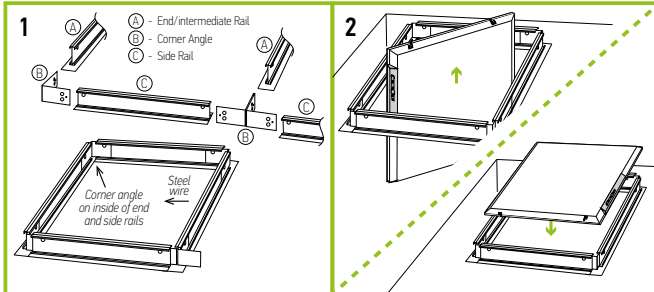
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# LED BACK-LIT FLAT PANEL

## RECESSED SHEETROCK MOUNT `ASD-FDW-ELP14` `ASD-FDW-ELP22` `ASD-FDW-ELP24` sold separately:

**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. After wiring fixture, carefully slide it through ceiling opening, rotate and drop fixture into place.

**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



A - End/intermediate Rail
B - Corner Angle
C - Side Rail

*Corner angle on inside of end and side rails*

*Steel wire*

## RECESSED MOUNT:

**1.** Lift all mounting clips along the edges of the panel. Turn the mounting clip head.

**2.** Connect the wires into the junction box of the panel matching colors N, L and G using nuts.

**3.** Adjust into place. Ensure the clips are fastened to the ceiling's T-BAR/T-GRID.
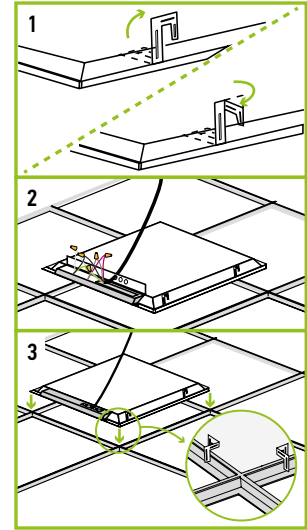


# ORDERING INFORMATION

## LED BACK-LIT FLAT PANEL:

| Model | UPC | Pcs. per Carton | Carton Size | Carton Weight | GTIN 14 |
|---|---|---|---|---|---|
| ASD-BLP-14A35AC-PRM | 810050731478 | 2 | 48.6" x 13" x 3.1" | 12.1 lb | 10810050731475 |
| ASD-BLP-22D2540-PRM | 810050731447 | 2 | 24.6" x 24.6" x 3.1" | 11 lb | 10810050731444 |
| ASD-BLP-22D2550-PRM | 810050731546 | 2 | 24.6" x 24.6" x 3.1" | 11 lb | 10810050731543 |
| ASD-BLP-22D25AC-PRM | 810050734684 | 2 | 24.6" x 24.6" x 3.1" | 11 lb | 10810050734681 |
| ASD-BLP-24D3240-PRM | 810050731553 | 2 | 48.6" x 24.8" x 3.1" | 21.8 lb | 10810050731550 |
| ASD-BLP-24D4040-PRM | 810050731454 | 2 | 48.6" x 24.8" x 3.1" | 21.8 lb | 10810050731451 |
| ASD-BLP-24D4050-PRM | 810050734455 | 2 | 48.6" x 24.8" x 3.1" | 21.8 lb | 10810050734452 |
| ASD-BLP-24D5040-PRM | 810050731461 | 2 | 48.6" x 24.8" x 3.1" | 21.8 lb | 10810050731468 |
| ASD-BLP-24D40AC-PRM | 810050733656 | 2 | 48.6" x 24.8" x 3.1" | 21.8 lb | 10810050733653 |

## ACCESSORIES:

| Model | Name | Materials | Weight | Dimensions |
|---|---|---|---|---|
| ASD-FDW-ELP14 | Sheetrock mounting frame for 1x4 Panels | Iron | 1.1 lb (0.5 kg) | 47 1/2" x 11 3/8" x 1" |
| ASD-FDW-ELP22 | Sheetrock mounting frame for 2x2 Panels | Iron | 0.9 lb (0.4 kg) | 25 5/16" x 25 5/16" x 1" |
| ASD-FDW-ELP24 | Sheetrock mounting frame for 2x4 Panels | Iron | 1.9 lb (0.9 kg) | 49 1/4" x 25 5/16" x 1" |
| ASD-CHS4 | 39.37" Ceiling Hanging set for LED Panels and Troffers | Iron | 0.4 lb (0.2 kg) | 39.37" |
| ASD-CHS6 | 72.83" Ceiling Hanging set for LED Panels and Troffers | Iron | 0.5 lb (0.2 kg) | 72.83" |
| ASD-FELP14-L | Surface mounting low Frame for 1x4 Panels | Aluminum | 2.6 lb (1.2 kg) | 47 7/8" x 1/16" x 1 15/16" |
| ASD-FELP22-L | Surface mounting low Frame for 2x2 Panels | Aluminum | 2.4 lb (1.1 kg) | 23 3/4" x 23 3/4" x 1 15/16" |
| ASD-FELP24-L | Surface mounting low Frame for 2x4 Panels | Aluminum | 3.6 lb (1.7 kg) | 47 7/8" x 23 3/4" x 1 15/16" |

| Model | UPC | Pcs. per Carton | Carton Size | Carton Weight | GTIN 14 |
|---|---|---|---|---|---|
| ASD-FDW-ELP14 | 857622006220 | 20 | 48.8" x 10.2" x 8.3" | 31.5 lb | 10857622006237 |
| ASD-FDW-ELP22 | 855029006393 | 20 | 26.8" x 10.4" x 7.9" | 25.1 lb | 10855029006390 |
| ASD-FDW-ELP24 | 857622006107 | 20 | 48.6" x 10.4" x 7.9" | 48.9 lb | 10857622006104 |
| ASD-CHS4 | 859961005148 | 50 | 10.4" x 10.4" x 7.7" | 23.7 lb | 10859961005145 |
| ASD-CHS6 | 855029006522 | 50 | 8.9" x 8.9" x 8.9" | 24.9 lb | 10855029006529 |
| ASD-FELP14-L | 819201021574 | 9 | 48.8" x 5.9" x 7.7" | 27.8 lb | 10819201021571 |
| ASD-FELP22-L | 819201021581 | 9 | 25.2" x 6.5" x 7.7" | 24.5 lb | 10819201021588 |
| ASD-FELP24-L | 819201021598 | 9 | 48.8" x 5.9" x 7.7" | 36.8 lb | 10819201021595 |

*For most up-to-date spec sheets please refer to asd-lighting.com*