FP
SIDE LIT LED FLAT PANEL

LED A DIVISION OF ecoPOWER

FEATURES

- External Driver
- Quick Install with 3 Different Options
- Solid State, High Shock & Vibration Resistant
- Instant-Start, No Flickering, No Humming
- No Mercury; No Recycling Costs
- Equally Distributed Light Emissions
- 0-10vDC Dimmable Standard
- PS Light Diffuser
- IC Rated

EdgeLit LightPlate technology developed by 3M™ produces unsurpassed even illumination of the lens materials and an ultra low glare factor. BEST IN CLASS 110 to 130 LUMENS PER WATT 1x4, 2x2, 2x4 0-10vDC STANDARD DIMMABLE LED FLAT PANELS. Fully diffused architectural flat panel lay in ceiling troffer. Exceptional diffusion, longevity and low power consumption.

OPTIONS

- 1x4, 2x2 & 2x4
- PyroTech Fire Retardant Panel
- 4 Different Mounting Options: Recessed T-Bar, Suspended, Flush Mount Ceiling/Wall and Drywall Mount

TECHNICAL SPECIFICATIONS

Housing	Aluminum
Finish	White
Mounting	Wall mount, ceiling hanging + ceiling recessed, drywall mount
Applications	Offices, corridors, hospitals, retail, supermarkets

ELECTRICAL SPECIFICATIONS

LED Engine	Epistar
Input Voltage	Max. 36VDC, 1400ma (72w: 780mA)
Power Factor	>0.90
Ambient temperature	-20°C to 50°C
Available Voltages	110-277v standard, 100-347v option

OPTICAL & PERFORMANCE SPECIFICATIONS

Lumen Output	**Standard (110 L/W)** 2x2: 40w: 4400L (37.64w) | 50w: 4750L 60w*: 6600L (54.26w) 1x4: 40w: 4400L 2x4: 50w: 5500L | 60w: 6800L | 72w: 7920L **PREMIUM (130 L/W) (4000K & 5000K only)** 2x2: 30w: 3900L | 40w: 5200L 2x4: 40w: 5200L | 50w: 6500L
Beam Angle	150° (72w: 120°)
CRI	>80
THD	**FPB032X450WNWV4:** 15.15%
L70	**Standard:** 36,000 hours **Premium:** 60,000 hours
LM80	>98%@1000 hours
LM79	95-110 lumens per watt or as included
Certifications	UL, CuLu, CE & RoHS, DLC (refer to full list of products on following page)
Warranty	2 Years No-Yellowing 5 Years Full Replacement 10 Years Pro-Rated

CONTROLS

10 YEAR WARRANTY

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* Discontinued model - limited stock remaining. Call for details.

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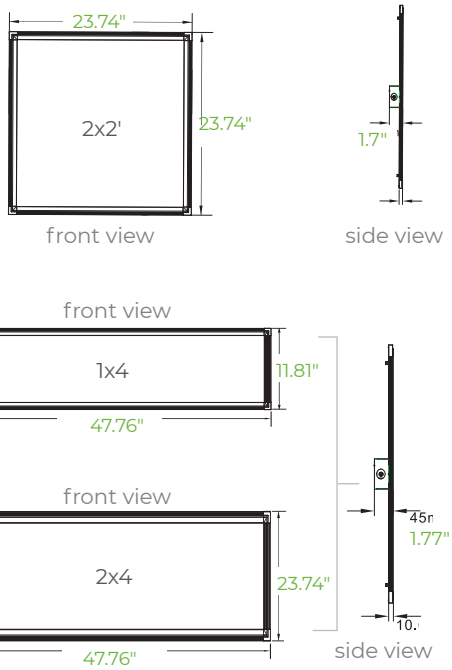
DIMENSIONS



DLC LISTED PRODUCTS

Models		Classification	Version
FPB031X440W-CW-V4	FPB032X250W-CW-V4	Premium	4.2
FPB031X440W-CW-V5	FPB032X250W-NW-V4		
FPB031X440W-NW-V4	FPB032X250W-WW-V4		
FPB031X440W-NW-V5	FPB032X440W-CW-V4-PR		
FPB031X440W-WW-V4	FPB032X440W-NW-V4-PR		
FPB031X440W-WW-V5	FPB032X450W-CW-V4		
FPB032X230W-CW-V4-PR	FPB032X450W-CW-V4-PR		
FPB032X230W-NW-V4-PR	FPB032X450W-CW-V5		
FPB032X240W-CW-V4	FPB032X450W-NW-V4		
FPB032X240W-CW-V4-PR	FPB032X450W-NW-V4-PR		
FPB032X240W-CW-V5	FPB032X450W-NW-V5		
FPB032X240W-NW-V4	FPB032X450W-WW-V4		
FPB032X240W-NW-V4-PR	FPB032X450W-WW-V5		
FPB032X240W-NW-V5	FPB032X460W-CW-V4		
FPB032X240W-WW-V4	FPB032X460W-NW-V4		
FPB032X240W-WW-V5	FPB032X460W-WW-V4		

PRODUCT CODE GENERATOR

Some combinations of adders may not be possible, email quotes@ecopowerinc.com for further info.

FPB03 [ ] [ ] [ ] [ ] – [ ]

Size

- **2X2**
- **2X4**
- **1X4**

Wattage

- 2X2: 30w, 40w, 50w, 60w*
- 2X4: 40w, 50w, 60w, 72w**
- 1X4: 40w

Kelvin

WW (3000K)
NW (4000K)
CW (5000K)
35K (3500K)

NOTE
Premium models only available in 4000K & 5000K

Voltage

V4 (100-277vAC)
V5 (100-347vAC)

***NOTE*
72w version available in V4 only.

Options

Mounting (recessed t-bar mount is standard

M40 Surface Mount
M45 Drywall Mount

H06(x) Single Hook Hanger
H10(x) Y Fit Toggle Hanger
X = Qty of hanger per fixture (see chart)

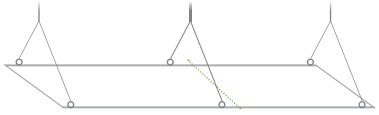
PYRO PyroTech Fire Retardant Panel

PR Premium (130 L/W) - NW/CW only
2x2: 30w, 40w | 2x4: 40w, 50w

B07 Driver Disconnect - Inline power disconnect (CSA, UL req'd for voltages above 150v)

B30 Emergency Lighting Battery Backup 20w/up to 90 minutes
V4 only - Supplied separately; does not come installed

SIZE	H06	H10
2x2	2	2
2x4	3	3
1x4	3	3



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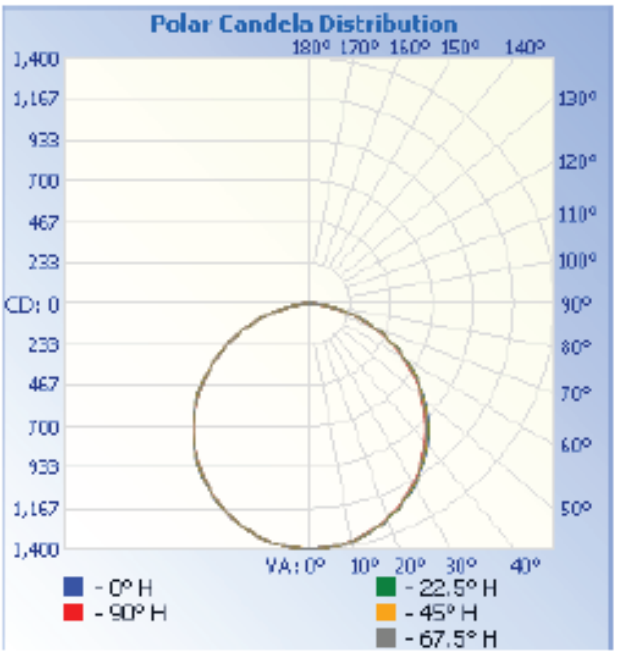
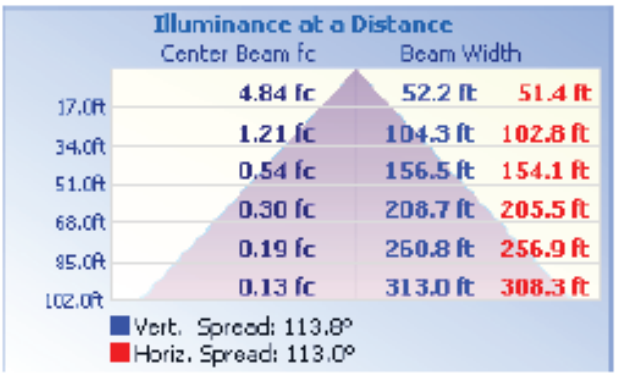
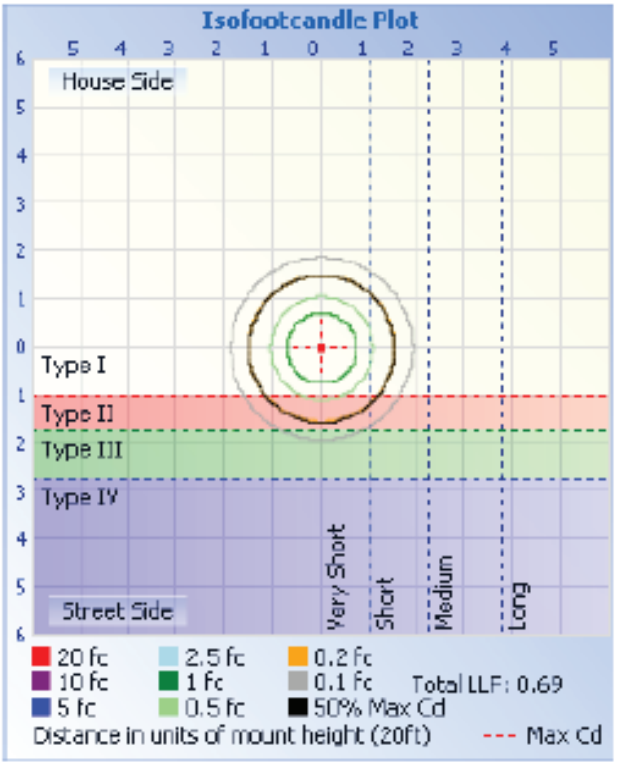
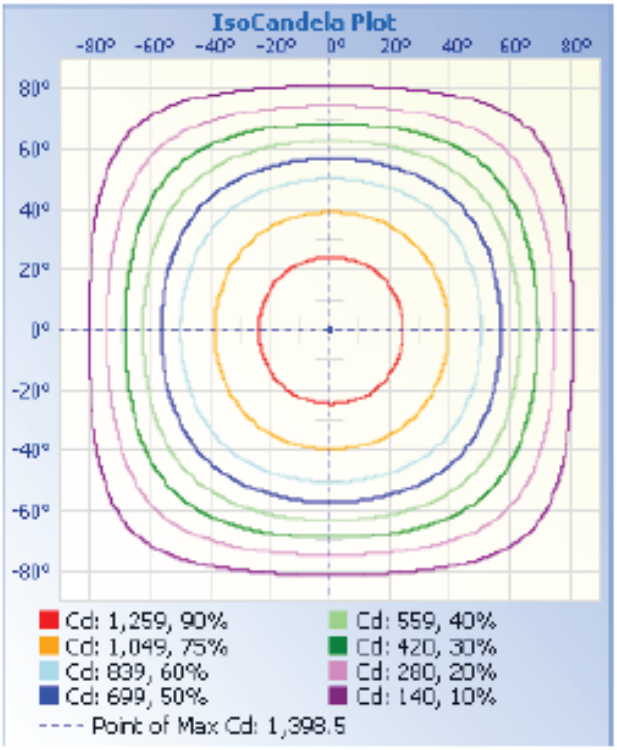
PHOTOMETRICS

2X2









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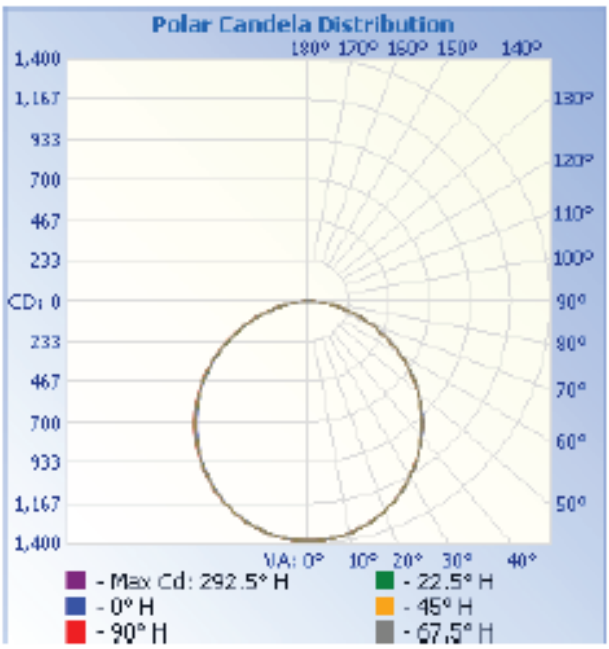
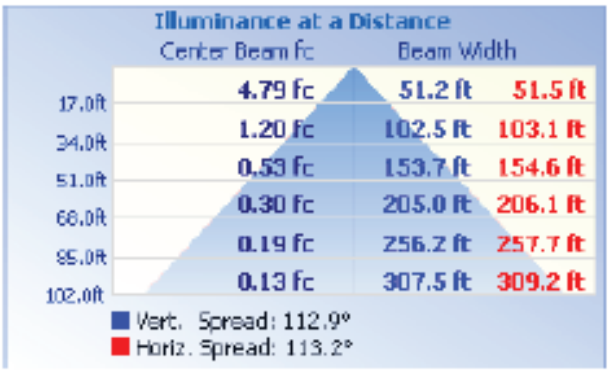
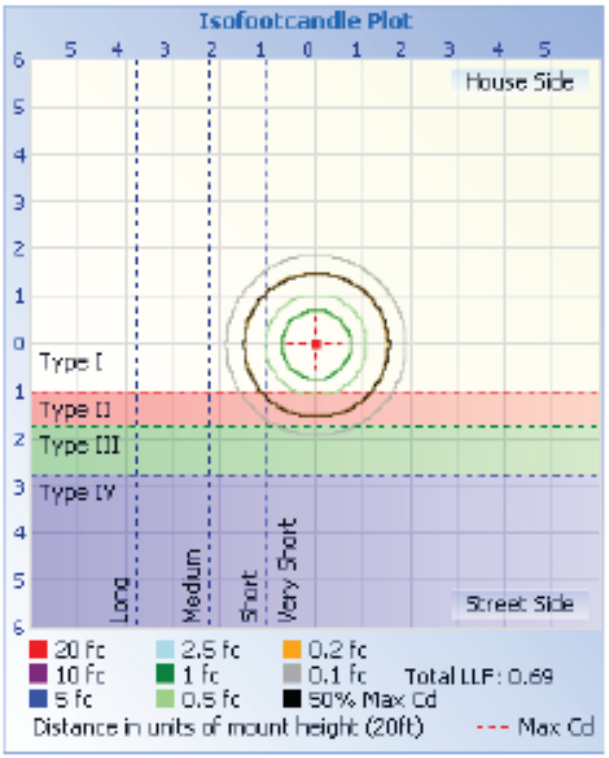
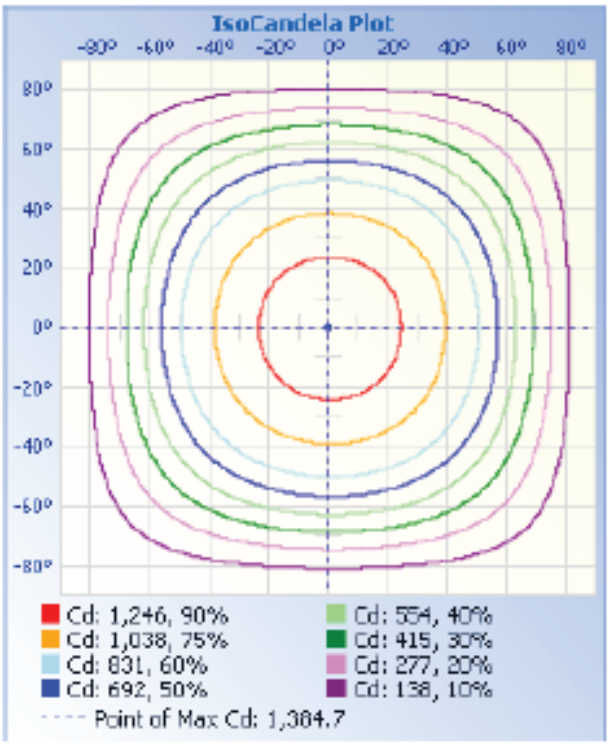
PHOTOMETRICS

1X4









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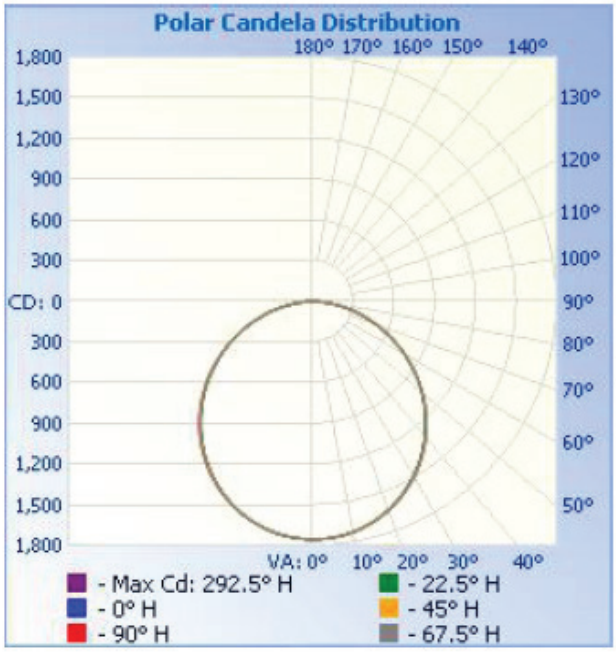
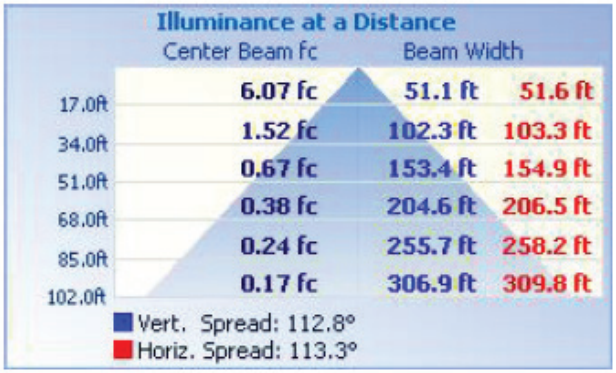
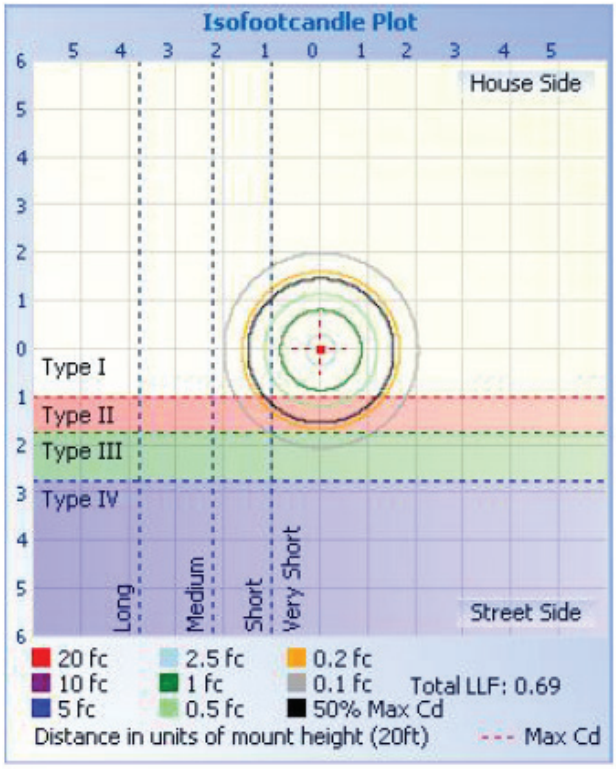
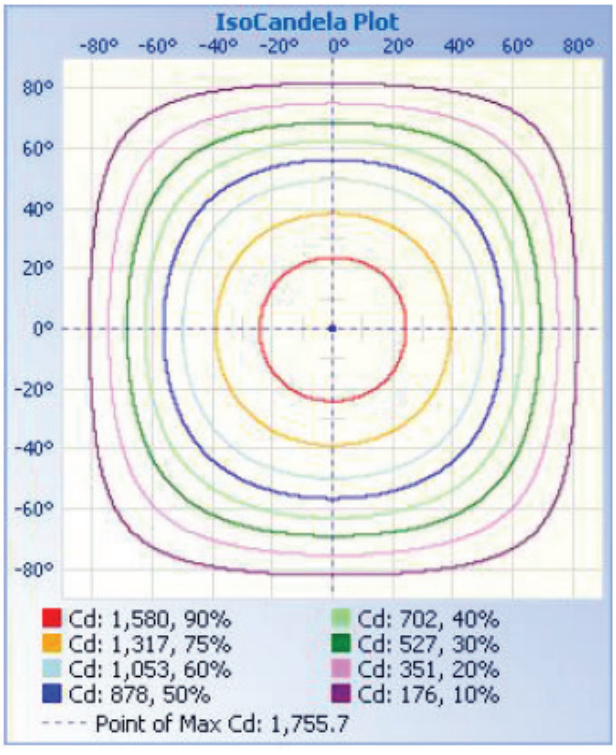
PHOTOMETRICS

2X4









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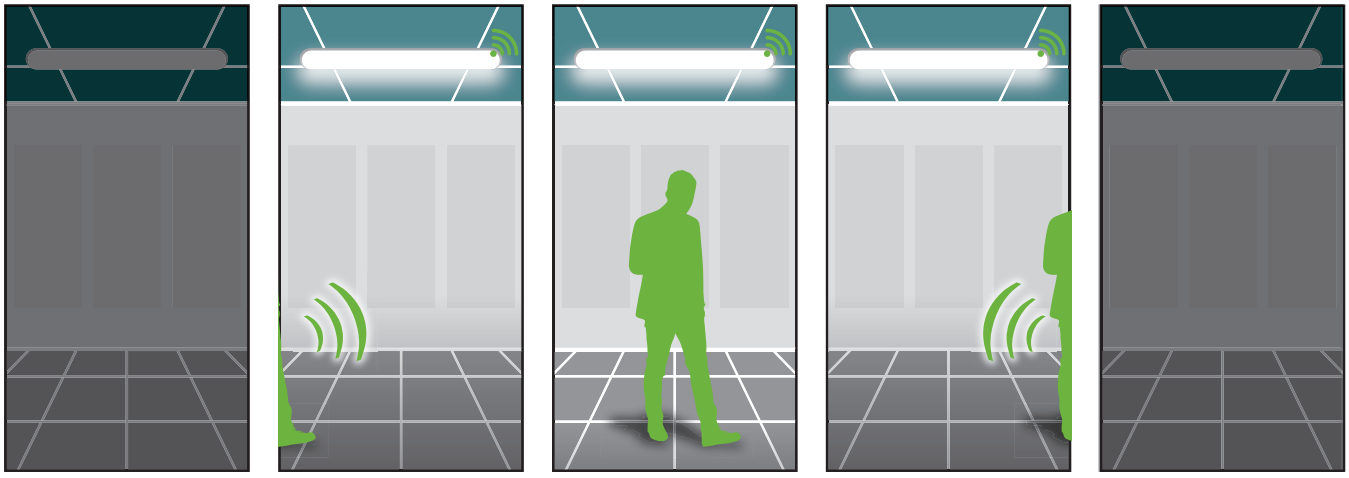
CONTROLS INTEGRATION

CONTROLS

Light when you need it. Savings when you don't.
Advanced sensors work in combination with dimming to provide full illumination only when needed, returning to a reduced level when the area is unoccupied - saving overhead on energy costs. CONTROLS systems use artificial intelligence to predict peak times on the grid and provides advanced notice about potentially expensive time, allowing you to take action to further minimize your costs by reducing your power draw.



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M40
SURFACE MOUNT FLAT PANEL KITS

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ADVANTAGES

- 2x2, 2x4 or 1x4 options
- Low Profile Surface Mount Kits
- Easy to install
- Aluminum frame with stainless steel screws

PRODUCT CODE GENERATOR

M40	–	

Sizes

2x2
2x4
1x4

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M45
DRYWALL MOUNT FLAT PANEL KITS

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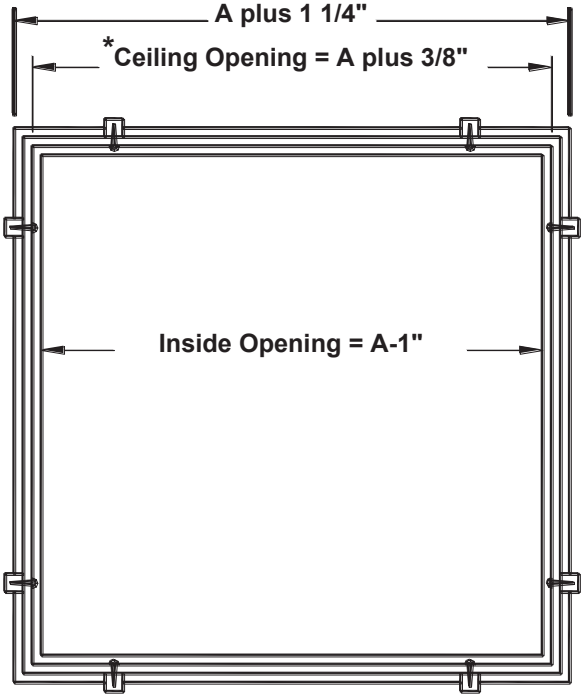
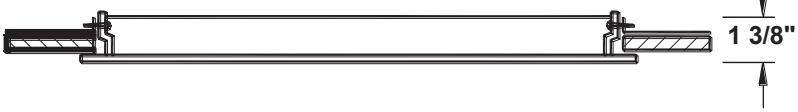
TECHNICAL SPECIFICATIONS

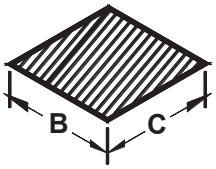
- Recessed drywall mounting kits
- Aluminum Frame



A = Length of ceiling module

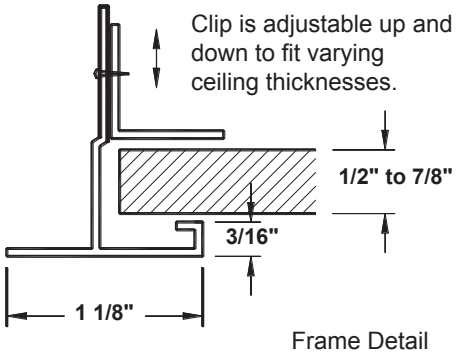


Dimensions are in inches



Ceiling Module	* Recommended Ceiling Opening	
	B	C
12 x 12	12 1/2	12 1/2
16 x 16	16 1/2	16 1/2
20 x 20	20 1/2	20 1/2
24 x 12	24 1/2	12 1/2
24 x 24	24 1/2	24 1/2
36 x 24	36 1/2	24 1/2
48 x 12	48 1/2	12 1/2
48 x 24	48 1/2	24 1/2
60 x 12	60 1/2	12 1/2
60 x 24	60 1/2	24 1/2

(Check actual dimensions before installation.)



Frame Detail

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M45 – [ ]

Sizes

2x2
2x4
1x4

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