

Food Processing IMP Ceilings

Recessed 2x2 LED Luminaire With Top Access for IMP Ceilings

- **New Lower Profile Version Available (2x2LP)**
- **625 lb Direct Static Load Rating**
- **For Recessed Installation Into 4" Insulated Metal Panel (IMP) Ceilings (5" and 6" Optional)**
- **Accessible From Plenum Side Of Ceiling Only**
- **DLC Listed**
- **Up To 40,000 Lumens Delivered**
- **Ambient Operating Temp up to 50C (122F)**
- **Evaluated and approved by ETL for installation into IMP ceilings. Luminaire may be in direct contact with IMP ceiling's insulation, eliminating need to cap off the rough-in saving time and money.**



To See All DLC Listings, Visit www.Kurtzon.com/DLC

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ORDERING GUIDE

Series	Installation Type	Material	Size	Source	CCT	Voltage	Options
FP							
FP	IMP: Recessed Insulated Metal Panel Ceiling	1: White CRS Hsg. & White CRS Door 2: White CRS Hsg. & Polished SS Door	2x2: 2' x 2' Housing (Provided with Heatsinks and C.O.B.s)	3/LEDB 4/LEDB	70 CRI: 750 = 5000K CCT 80 CRI: 835 = 3500K CCT 840 = 4000K CCT 850 = 5000K CCT 90 CRI: 935 = 3500K CCT 940 = 4000K CCT 950 = 5000K CCT	120V 277V UNV 347V*	FC: Fuse & Holder (One Supplied Per Circuit) EM20: 20W Remote Mounted LED Battery Pack (Specify Input Voltage) WHT: White Finished Door Stainless Steel Door LEX: .125" Prismatic Polycarbonate A19: .156" Prismatic P19 Pattern Clear Acrylic HIA: .140" High Impact P12 Pattern Clear Acrylic TG: .156" Prismatic C73 Tempered Glass CL/ACR: 1/8" Clear Flat Acrylic Lens PxL: Programmed to User Specified Lumen Value.∞ PxW: Programmed to User Specified Wattage Value.∞ 10KV: 10KV Parallel Surge Protection (One Supplied Per Circuit) GTD: Generator Transfer Device
FP	IMP: Recessed Insulated Metal Panel Ceiling	1: White CRS Hsg. & White CRS Door 2: White CRS Hsg. & Polished SS Door	2x2LP: 2' x 2' Housing (Low Profile - Provided with high-powered linear modules. No heatsinks)	4/LEDFE 6/LEDFE	80 CRI: 830 = 3000K CCT 835 = 3500K CCT 840 = 4000K CCT 850 = 5000K CCT		IMP5: Fixture Suitable for 5" IMP IMP6: Fixture Suitable for 6" IMP 1/CPB: Locking Cordset with Plug and Junction box termination Cord: Must specify Length/type/Wire Qty WHIP: Must Specify Length and Wire Qty

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SPECIFICATIONS

HOUSING: Welded, sealed, and hole free CRS housing with latches secured for accessing electrical panel.

DOOR FRAME: Overlapping style trim flange made from 14Ga powdercoated cold rolled steel or 14Ga polished 304 stainless steel. The trim frame is secured to the housing by 12 #12-24 screws that are only accessible from the plenum side of the ceiling. All hardware is concealed for cleanability.

GASKETS: NSF Listed closed cell microcellular extruded gasket with vulcanized corners making a one-piece oil and solvent resistant gasket system.

LENS: High durability .125" thick frost acrylic lens sealed to door frame with NSF listed RTV silicone and mechanically secured. See options for other lens choices.

LEDs: Replaceable 3 or 4 COB array using commercial available LED's installed directly onto thermal management system. Available in a wide variety of CCTs ranging from 2700-6500K. Also available in 70, 80, or 90CRI. 5 Year warranty. Also available with up to 6 linear modules for a more uniform distribution, selecting the 2X2LP option will remove the heatsink from the enclosure.

ELECTRICAL: Top electrical enclosure is gasketed and removable from the plenum side by use of 4 rotary draw latches. Standard drivers are factory programmable to meet specified lumen values 0-10v dimmable down to 5% and Class 2 Rated. 120-277VAC input.

REFLECTOR: Die formed metal with high reflectance white polyester powder coat finish. Typical reflectivity 92%.

INSTALLATION: Two .875" supply entrances for conduit connection. See below for mounting options. Rated for 625lb static load (not intended to be walked on). Available with specified Cords and Whips.

FINISH: White powder coat finish (1,000 hour salt spray test) or #4 (satin polish) stainless steel trim finish. See Options for white finished stainless trim.

LISTINGS: NSF2 Listed for Food Zones. IP66 rated for dust and water ingress. Suitable for 1700 PSI high pressure hosedowns. ETL listed per UL_1598 for wet locations. Chicago Plenum Rated. Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty. Suitable for direct static loads up to 625Lbs, not intended to be walked on.

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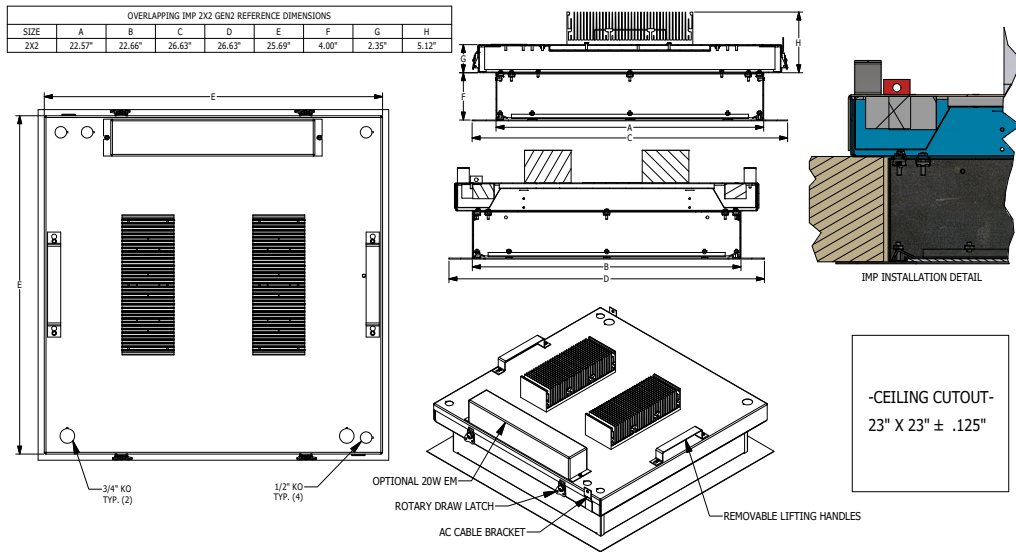
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ENERGY DATA

IMP-2X2-3or4/LED GEN2												
ENCLOSURE SIZE	LIGHT PACKAGE	70 CRI (5000K)			80 CRI (3000K-5000K)			90 CRI (3500K-5000K)			DIMMING AVAILABILITY	MAX AMBIENT TEMP (°C) ¹
		Lumens	Wattage	Efficacy	Lumens	Wattage	Efficacy	Lumens	Wattage	Efficacy		
2X2	FROST LENS 3LEDB	28,600	248	115	25,226	248	102	20,200	248	81	0-10V 5%	50°C (122°F)
2X2	FROST LENS 4LEDB	40,961	330	124	36,040	329	110	28,700	329	87	0-10V 5%	50°C (122°F)
2X2	20W EM ⁵	2300-2480	9	NA	2040-2200	9	NA	1620-1740	9	NA	NA	50°C (122°F)

- ¹ DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @ 25C WITH NO EXTRA OPTIONS. VARIANCES WILL OCCUR WHEN OTHER SELECTIONS ARE MADE
- ² WATTAGE IS MEASURED WITH LED 750 SELECTION @ 120VAC AND Tambient = 25C. WATTAGES WILL VARY AND INCREASE WHEN ALTERNATE OPTIONS ARE SELECTED
- ³ EFFICACY CALCULATED USING LOWEST CCT @ 25C AMBIENT VARIATIONS MAY OCCUR
- ⁴ MAX TEMP RATING IS WITH NO OTHER OPTIONS SELECTED.
- ⁵ INITIAL LUMEN VALUE CALCULATED BY (20W)*(NORMAL LUMENS/NORMAL WATTAGE).

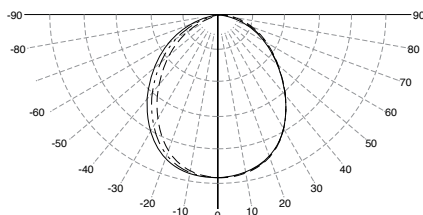
PRODUCT DRAWINGS



PHOTOMETRICS

FP-IMP-X-2X2-3/LEDB830-UNV

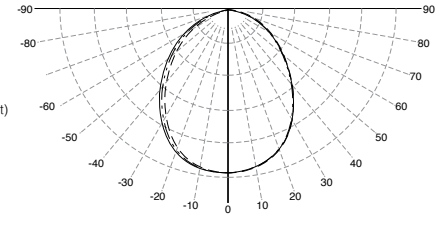
Report No: 103380778CHI-001
 Total Lumens: 25,226
 Wattage: 247.6
 Efficacy: 101.9 (Lumens Per Watt)
 Fixture Size: 2'x2'



FP-IMP-X-2X2-4/LEDB850-UNV

Report No: 102969371CHI-001
 Total Lumens: 36,039
 Wattage: 328.0
 Efficacy: 109.9 (Lumens Per Watt)
 Fixture Size: 2'x2'

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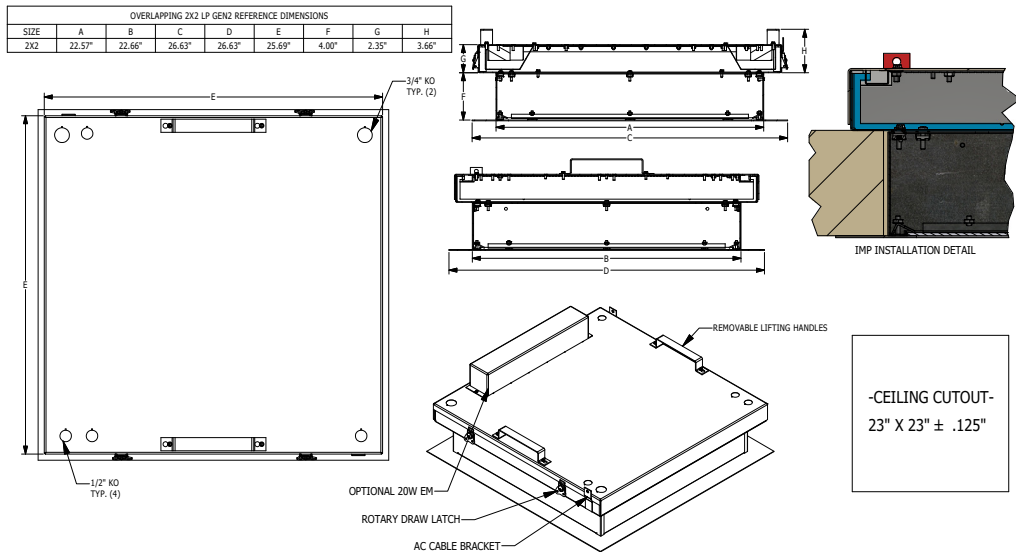
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ENERGY DATA - LOW PROFILE (2x2LP)

IMP-2X2LP-4or6 LED												
ENCLOSURE SIZE	LIGHT PACKAGE	70 CRI (5000K)			80 CRI (3000K-5000K)			90 CRI (3500K-5000K)			DIMMING AVAILABILITY	MAX AMBIENT TEMP (°C)*
		Lumens	Wattage	Efficacy	Lumens	Wattage	Efficacy	Lumens	Wattage	Efficacy		
2X2LP	FROST LENS 4LEDFE	N/A	N/A	N/A	25,700	210	122.4	N/A	N/A	N/A	0-10V 5%	55°C (131°F)
2X2LP	FROST LENS 6LEDFE	N/A	N/A	N/A	38,607	314.2	122.9	N/A	N/A	N/A	0-10V 5%	55°C (131°F)
2X2LP	20W EM [†]	N/A	N/A	N/A	2400-2450	9	N/A	N/A	N/A	N/A	0-10V 5%	50°C (122°F)

- * DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @ 25C WITH NO EXTRA OPTIONS. VARIANCES WILL OCCUR WHEN OTHER SELECTIONS ARE MADE
- † WATTAGE IS MEASURED WITH LED 750 SELECTION @ 120VAC AND Tambient = 25C. WATTAGES WILL VARY AND INCREASE WHEN ALTERNATE OPTONS ARE SELECTED
- ‡ EFFICACY CALCULATED USING LOWEST CCT @ 25C AMBIENT VARIATIONS MAY OCCUR
- § MAX TEMP RATING IS WITH NO OTHER OPTIONS SELECTED.
- ¶ INITIAL LUMEN VALUE CALCULATED BY (20W)*(NORMAL LUMENS/NORMAL WATTAGE).

PRODUCT DRAWINGS - LOW PROFILE (2x2LP)



10-AC-L-FP IMP GEN2 LP MDT2 DWG DATE: 10/07/2019

PHOTOMETRICS - LOW PROFILE (2x2LP)

FP-IMP-2X2LP-6/LEDLE-840-UNV

Report No: 104105184CHI-001

Total Lumens: 38,607.6

Wattage: 314.25

Efficacy: 122.9 (Lumens Per Watt)

Fixture Size: 2'x2'

