LPX-CP5-CR Series

Controls Ready Switchable Flat Panel

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____



DESCRIPTION

The LPX-CP5-CR Series backlit LED panels offer superior performance in an adjustable, energy-efficient low-profile design. It is available in 1' x 4', 2' x 2' and 2' x 4' configurations and provides flexibility while minimizing inventory by simply adjusting both CCT and wattage. The CCT can easily be switched between 3000K, 3500K, 4000K, 5000K and 6500K. The wattage can be adjusted between 5 levels for impeccably customizable lighting. Additional customization is available with multiple mounting accessory choices. This series is ideal for office spaces, schools, hospitals, and any indoor location that requires even illumination and lower maintenance. The LPX-CP5-CR Series is compatible with most standard T-bar grid ceilings, includes 0-10V dimming standard and features PMMA optical lensing that will not yellow over time. DesignLights Consortium® (DLC) Premium Qualified for energy rebates. All panels are packaged in a quantity of two.

SPECIFICATIONS

Construction:

- Die-formed steel enclosure with powder coated matte white finish
- Recessed design fits most standard T-bar grid ceilings, only 1.5" thickness
- Backlit design, LEDs sit at the back of the enclosure aimed directly at the diffuser to evenly illuminate the entire surface of the panel
- Sturdy frame prevents warping due to the slightly more elevated profile

Optics/LEDs:

- Switchable between five color temperatures: 3000K, 3500K, 4000K, 5000K and 6500K CCT. Switch located outside driver box behind the unit
- CRI ≥80
- Efficacy up to 149 lumens per watt
- L70 > 100,000hrs
- UV-stabilized PMMA optical lenses over the LEDs that will not yellow over time

Electrical:

- Universal 120-277VAC, 50/60Hz
- Power Factor > 0.90
- Flicker-Free 0-10V Dimming driver
- Power switchable, switch located outside driver box behind the unit
  - 1' x 4' switchable between 18W-21W-24W-27W-30W (2,500-2,900-3,300-3,700-4,000 lumens)
  - 2' x 2' switchable between 18W-21W-24W-27W-30W (2,500-2,900-3,300-3,700-4,100 lumens)
  - 2' x 4' switchable between 30W-35W-40W-45W-50W (4,100-4,800-5,400-6,000-6,600 lumens)

Installation:

- Unit simply lifts through grid ceiling and rests on T-bars
- Easy installation in new construction or retrofit
- Standard recessed mounting in most 1' x 4', 2' x 2' or 2' x 4' grid ceilings
- Earthquake clips included
- Easily set wattage and CCT during installation using the adjustment switches located outside the driver box
- 2.5mm AUX receptacle on panel frame allows for use with plug & play controls

Testing & Compliance:

- cULus Listed for Damp Locations, IC rated for insulated ceilings
- DesignLights Consortium® (DLC) Premium Qualified for the following categories:
  - 1x4/2x2/2x4 Luminaires for Ambient Lighting Interior Commercial Spaces
- Operating temperatures: -20°C to 40°C (-4°F to 104°F) or 0°C to 40°C (32°F to 104°F) with Battery Backup installed

CERTIFIED · DLC LISTED PREMIUM · DAMP · IC RATED · 5 YEAR WARRANTY · lite logic · Bluetooth

Specs at a Glance			
Configurations	LPX-14-CP5-CR	LPX-22-CP5-CR	LPX-24-CP5-CR
Wattage (W)*	18W-21W-24W-27W-30W (Switchable)	18W-21W-24W-27W-30W (Switchable)	30W-35W-40W-45W-50W (Switchable)
Lumens (lm)	2,490 - 4,100	2,530 - 4,200	4,090 - 6,640
CCT (K)	3000K-3500K-4000K-5000K-6500K (Switchable)		
Efficacy (LPW)	up to 149		
CRI	≥80		
Input Voltage	120-277VAC, 50/60Hz		
Operating Temp	-20°C to 40°C (-4°F to 104°F)		
Certifications	cULus Listed for Damp Locations, IC Rated, DLC PREMIUM		
Warranty	5 Years		

* Nominal Wattage, tested at 4000K CCT. See performance table for details.
** Minimum and maximum outputs, output varies by CCT selection. See performance table for details.

Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.

Warranty:

- Five Year Warranty (Terms and Conditions Apply)

Options:

- Integral battery backup offers up to 1,100 lumens of emergency powered illumination for 90 minutes for path of egress. Rated for ambient temperatures of 0°C to 40°C (32°F to 104°F)
- Shipped with bluetooth PIR motion sensor with daylight harvesting, white finish, 12VDC (LEMS6)
- Shipped with PIR motion sensor with daylight harvesting, white finish, 12VDC (SCMS6)

Accessories:

- Bluetooth PIR motion sensor with daylight harvesting, white finish, 12VDC (LE-MS6)
- Bluetooth PIR motion sensor with daylight harvesting, white finish, 12VDC (LE-MS-ECO3)
- Bluetooth fixture controller, 120-277VAC, 60Hz, 6A Max (LE-C1)
- Bluetooth wall switches (LE-SWX)
- Optional surface mount kit (LPX-14-SMK, LPX-22-SMK and LPX-24-SMK)
- Optional flange mount kit (LP14-FMK, LP22-FMK and LP24-FMK)
- Suspension mount kit (LPX-CMK)
- Field-installed 6' Metal clad whip (6 conductor, #18, for use in dimming applications)(MC6-6)
- Field-installed battery packs available for emergency egress lighting (PEMD)
- PIR motion sensor with daylight harvesting, white finish, 12VDC (SC-MS6-AUX)
- Remote for SC-MS6-AUX occupancy sensor (TL-MSSW-REMOTE)

ORDERING INFORMATION (Example: LPX-14-CP5-CR-BB-LEMS6)

Series/Size	CCT/Power	Controls Ready	Options
LPX-14[1] = 1' x 4'	CP5 = Power and Color Switchable (3000K/3500K/4000K/5000K/6500K)	CR = 2.5mm AUX Receptacle	BB = Battery Backup
LPX-22[1] = 2' x 2'			
LPX-24[1] = 2' x 4'			

Controls Options
LEMS6[2] = Bluetooth PIR motion sensor with daylight harvesting
SCMS6[3] = PIR motion sensor with daylight harvesting

LiteLogic Accessories[4] (Field installed)	Accessories[4] (Field installed)
LE-MS6-AUX = Bluetooth PIR Motion Sensor with Daylight Harvesting, White Finish, 12VDC	LPX-CMK = Y Cable Suspension Mount Kit
LE-MS-ECO3 = Bluetooth PIR Motion Sensor with Daylight Harvesting, 12VDC (1 per room)	LP14-FMK = 1' X 4' Flange Mount Kit
LE-C1 = Bluetooth Fixture Controller, 120-277VAC, 60Hz, 6A Max (1/fixture)	LP22-FMK = 2' X 2' Flange Mount Kit
LE-C2 = Bluetooth Fixture Controller and Signal Booster, 120-277VAC, 60Hz, 6A Max (1/fixture)	LP24-FMK = 2' X 4' Flange Mount Kit
LE-CMS2 = Bluetooth PIR and Ultrasonic Motion Sensor with Daylight Harvesting, 120-277VAC	LPX-14-SMK = 1' x 4' Surface Mount Kit
LE-SMS1 = Bluetooth PIR Motion Sensor Wall Switch, 120-277VAC (Neutral Required)	LPX-22-SMK = 2' x 2' Surface Mount Kit
LE-SW2 = Bluetooth Enabled, 5-Button Battery Powered Wall Switch	LPX-24-SMK = 2' x 4' Surface Mount Kit
LE-SW3 = Bluetooth Enabled, 3-Button Wall Switch 120-277VAC (Neutral Required)	MC6-6 = Metal Clad 6' (6 Conductor) #18 Leads Whip
LE-SW4 = Bluetooth Enabled, 7-Button Wall Switch, 120-277VAC (Neutral Required)	(For Dimming Applications)
LE-WP = Wallplate for LE-SW2	PEMD-8-CP-BRT2[5] = 8W Constant Power Emergency Driver and Mounting Kit
SC-MS6-AUX = PIR Motion Sensor with Daylight Harvesting, White Finish, 12VDC	PEMD-8-CP-BRT4[6] = 8W Constant Power Emergency Driver and Mounting Kit
TL-MSSW-REMOTE = Remote for Sensor (SC-MS6-AUX)	

Notes
[1] Panels are packaged in quantity of two (2pcs/carton)
[2] Ships with (1) LE-MS6-AUX
[3] Ships with (1) SC-MS6-AUX
[4] Order as a separate line item. Shipped in a separate box for final installation in the field
[5] Mounting kit fits 2' x 2' configurations
[6] Mounting kit fits 1' x 4' & 2' x 4' configurations

PERFORMANCE DATA

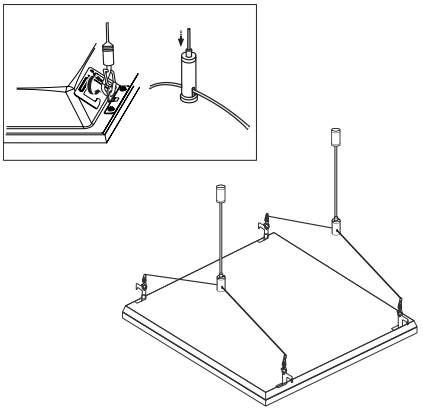
Model	Wattage	CCT	Lumens	LPW	CRI
LPX-14-CP5-CR (18W, 3000K)	18W	3000K	2512	140	80
LPX-14-CP5-CR (18W, 3500K)	18W	3500K	2517	137	80
LPX-14-CP5-CR (18W, 4000K)	18W	4000K	2508	137	80
LPX-14-CP5-CR (18W, 5000K)	18W	5000K	2498	136	80
LPX-14-CP5-CR (18W, 6500K)	18W	6500K	2488	139	80
LPX-14-CP5-CR (21W, 3000K)	21W	3000K	2917	140	80
LPX-14-CP5-CR (21W, 3500K)	21W	3500K	2920	136	80
LPX-14-CP5-CR (21W, 4000K)	21W	4000K	2909	136	80
LPX-14-CP5-CR (21W, 5000K)	21W	5000K	2898	136	80
LPX-14-CP5-CR (21W, 6500K)	21W	6500K	2886	138	80
LPX-14-CP5-CR (24W, 3000K)	24W	3000K	3312	139	80
LPX-14-CP5-CR (24W, 3500K)	24W	3500K	3319	136	80
LPX-14-CP5-CR (24W, 4000K)	24W	4000K	3306	135	80
LPX-14-CP5-CR (24W, 5000K)	24W	5000K	3293	135	80
LPX-14-CP5-CR (24W, 6500K)	24W	6500K	3280	138	80

LPX-14-CP5-CR (27W, 3000K)	27W	3000K	3705	138	80
LPX-14-CP5-CR (27W, 3500K)	27W	3500K	3713	135	80
LPX-14-CP5-CR (27W, 4000K)	27W	4000K	3699	135	80
LPX-14-CP5-CR (27W, 5000K)	27W	5000K	3685	134	80
LPX-14-CP5-CR (27W, 6500K)	27W	6500K	3669	137	80
LPX-14-CP5-CR (30W, 3000K)	30W	3000K	4094	137	80
LPX-14-CP5-CR (30W, 3500K)	30W	3500K	4099	134	80
LPX-14-CP5-CR (30W, 4000K)	30W	4000K	4087	134	80
LPX-14-CP5-CR (30W, 5000K)	30W	5000K	4072	133	80
LPX-14-CP5-CR (30W, 6500K)	30W	6500K	4055	136	80
LPX-22-CP5-CR (18W, 3000K)	18W	3000K	2576	142	80
LPX-22-CP5-CR (18W, 3500K)	18W	3500K	2563	141	80
LPX-22-CP5-CR (18W, 4000K)	18W	4000K	2540	139	80
LPX-22-CP5-CR (18W, 5000K)	18W	5000K	2526	137	80
LPX-22-CP5-CR (18W, 6500K)	18W	6500K	2530	140	80
LPX-22-CP5-CR (21W, 3000K)	21W	3000K	2988	141	80
LPX-22-CP5-CR (21W, 3500K)	21W	3500K	2973	140	80
LPX-22-CP5-CR (21W, 4000K)	21W	4000K	2947	139	80
LPX-22-CP5-CR (21W, 5000K)	21W	5000K	2930	136	80
LPX-22-CP5-CR (21W, 6500K)	21W	6500K	2935	139	80
LPX-22-CP5-CR (24W, 3000K)	24W	3000K	3395	140	80
LPX-22-CP5-CR (24W, 3500K)	24W	3500K	3378	139	80
LPX-22-CP5-CR (24W, 4000K)	24W	4000K	3349	138	80
LPX-22-CP5-CR (24W, 5000K)	24W	5000K	3330	137	80
LPX-22-CP5-CR (24W, 6500K)	24W	6500K	3335	138	80
LPX-22-CP5-CR (27W, 3000K)	27W	3000K	3799	140	80
LPX-22-CP5-CR (27W, 3500K)	27W	3500K	3780	138	80
LPX-22-CP5-CR (27W, 4000K)	27W	4000K	3750	137	80
LPX-22-CP5-CR (27W, 5000K)	27W	5000K	3726	136	80
LPX-22-CP5-CR (27W, 6500K)	27W	6500K	3731	137	80
LPX-22-CP5-CR (30W, 3000K)	30W	3000K	4198	139	80
LPX-22-CP5-CR (30W, 3500K)	30W	3500K	4177	137	80
LPX-22-CP5-CR (30W, 4000K)	30W	4000K	4144	136	80
LPX-22-CP5-CR (30W, 5000K)	30W	5000K	4117	136	80
LPX-22-CP5-CR (30W, 6500K)	30W	6500K	4123	137	80
LPX-24-CP5-CR (30W, 3000K)	30W	3000K	4164	149	80
LPX-24-CP5-CR (30W, 3500K)	30W	3500K	4166	149	80
LPX-24-CP5-CR (30W, 4000K)	30W	4000K	4158	149	80
LPX-24-CP5-CR (30W, 5000K)	30W	5000K	4137	148	80
LPX-24-CP5-CR (30W, 6500K)	30W	6500K	4089	146	80
LPX-24-CP5-CR (35W, 3000K)	35W	3000K	4803	147	80
LPX-24-CP5-CR (35W, 3500K)	35W	3500K	4805	148	80
LPX-24-CP5-CR (35W, 4000K)	35W	4000K	4796	147	80
LPX-24-CP5-CR (35W, 5000K)	35W	5000K	4771	147	80
LPX-24-CP5-CR (35W, 6500K)	35W	6500K	4716	145	80
LPX-24-CP5-CR (40W, 3000K)	40W	3000K	5427	146	80
LPX-24-CP5-CR (40W, 3500K)	40W	3500K	5429	146	80
LPX-24-CP5-CR (40W, 4000K)	40W	4000K	5419	146	80
LPX-24-CP5-CR (40W, 5000K)	40W	5000K	5391	145	80
LPX-24-CP5-CR (40W, 6500K)	40W	6500K	5328	143	80
LPX-24-CP5-CR (45W, 3000K)	45W	3000K	6037	144	80
LPX-24-CP5-CR (45W, 3500K)	45W	3500K	6040	144	80
LPX-24-CP5-CR (45W, 4000K)	45W	4000K	6029	144	80
LPX-24-CP5-CR (45W, 5000K)	45W	5000K	5998	143	80
LPX-24-CP5-CR (45W, 6500K)	45W	6500K	5928	142	80

LPX-24-CP5-CR (50W, 3000K)	50W	3000K	6635	142	80
LPX-24-CP5-CR (50W, 3500K)	50W	3500K	6637	143	80
LPX-24-CP5-CR (50W, 4000K)	50W	4000K	6625	142	80
LPX-24-CP5-CR (50W, 5000K)	50W	5000K	6591	142	80
LPX-24-CP5-CR (50W, 6500K)	50W	6500K	6514	140	80

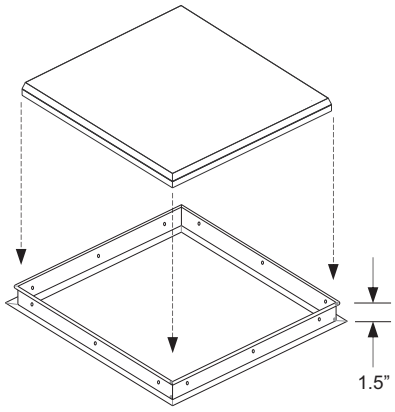
Cable Mount Kit (LPX-CMK)

Optional Y cable mounting kit (LPX-CMK) allows for suspended installations from any ceiling type. (2 pcs/kit, 3.2' length)



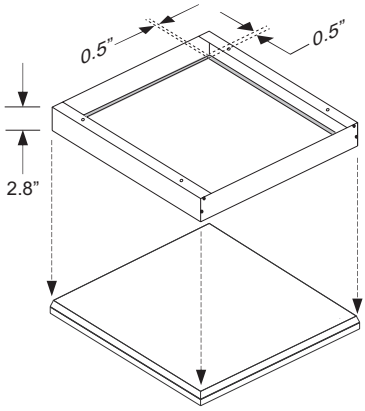
Flange Mount Kit (LPXX**-FMK)**

Optional flange kit (LP14-FMK, LP22-FMK, LP24-FMK) mounts above drywall ceiling, allows panel to be mounted flush to ceiling.

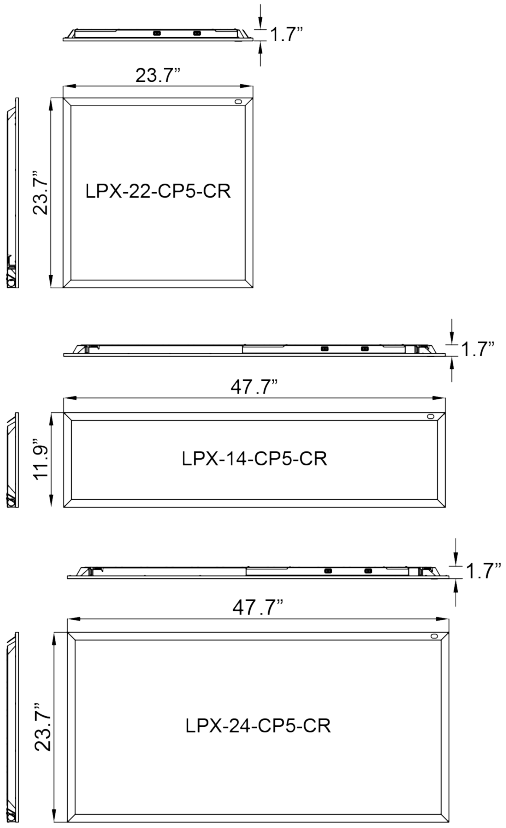


Surface Mount Kit (LPX-XX**-SMK)**

Optional surface mount kit (LPX-14-SMK, LPX-22-SMK, LPX-24-SMK) allows for installation on plaster or other hard ceilings.

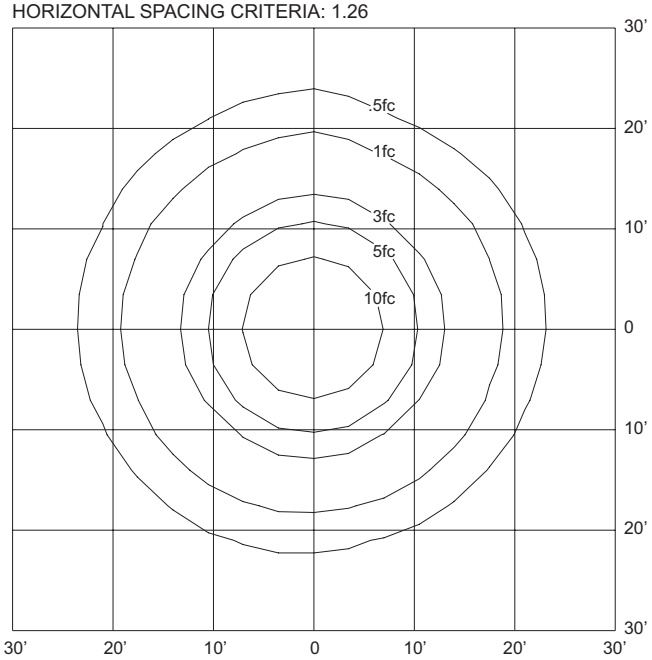


DIMENSIONS



SAMPLE PHOTOMETRY

LPX-24-CP5-CR (50W, 4000K)
IES: TYPE VS Very Short
MOUNTING HEIGHT: **10’**
TILT: ZERO
HORIZONTAL SPACING CRITERIA: 1.26



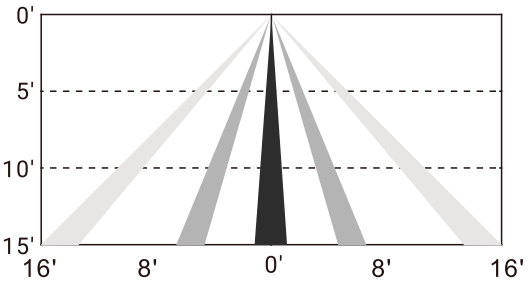
DRIVER BOX DETAIL



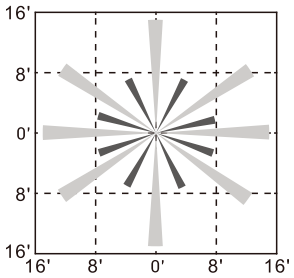
LE-MS6-AUX SENSOR DETAILS (BLUETOOTH ENABLED) Click For Sensor Details



Coverage Side View



Coverage Top View



Height 15ft

SEE APP FOR SENSOR SETTINGS

For a complete list of ***litelogic*** compatible products, click here.

litelogic LIGHTING CONTROLS

Get it from the App Store

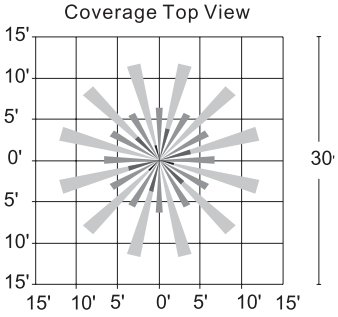
Get it from Google Play

Note: Bluetooth sensor controls do not allow for CCT selection using the app. CCT must be manually selected on the fixture.

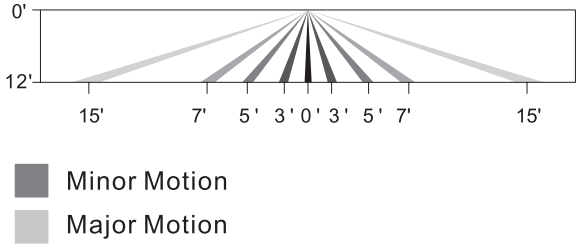
SENSOR DETAILS (SC-MS6-AUX)



Coverage Top View



Coverage Side View



SENSOR DETAILS (TL-MSSW-REMOTE)

DETECTION RADIUS/ANGLE	MAX 30'/360°
MOUNTING HEIGHT	MAX 12'
REMOTE RANGE	MAX 33'
FREQUENCY	5.8 GHz
HIGH MODE	70%, 80%, 90%, 100% (DEFAULT 100%)
SENSITIVITY	20%, 50%, 75%, 100% (DEFAULT 100%)
HOLD TIME	10sec, 1min, 5min, 10min, 15min, 20min, 30min, 60min (DEFAULT 5min)
DAYLIGHT HARVESTING	, , 10Lux, 30Lux, 50Lux, 100Lux, 300Lux, 500Lux (DEFAULT disabled)
STANDBY DIM SETTING	0%, 10%, 30%, 50% (DEFAULT 30%)
STANDBY TIME SETTING (TO OFF)	, 1min, 30min, 60min (DEFAULT 60min)



TL-MSSW-REMOTE Accessory
(Sold Separately)