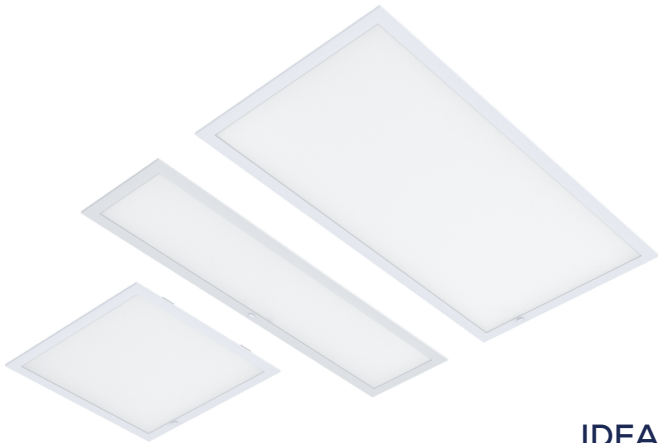


CPLH-LED

Indoor Ceiling Light



The RAB DESIGN CPLH is a ceiling panel light that combines high performance, intelligent design, and exceptional value. With advanced features like sensor-ready panels – including PIR sensor, high efficacy, and field-adjustable switches, it’s engineered to deliver unmatched efficiency and energy savings and versatility at a fair price.

IDEAL APPLICATIONS

- ✓ Commercial Spaces

✓ Offices

✓ Convenience Stores
- ✓ Retail Spaces

✓ Schools

SPECIFICATIONS

	CPLH14	CPLH22	CPLH24
PERFORMANCE			
Light Output	5800/4200/2800 lm	5800/4200/2800 lm	7100/5600/4200 lm
Efficacy	145 lm/W	145 lm/W	142 lm/W
CCT	CCT Selectable - 3500K/4000K/5000K		
Beam Angle	110°		
LED Lifetime (L80)	>100,000 Hours		
CRI	83	83	83
ELECTRICAL			
Wattage	40/30/20W	40/30/20W	50/40/30W
Voltage	120-347 V		
Surge Protection	2kV (Built-in Driver) as per IEC/EN61000-4-5		
Power Factor	≥0.9		
THD	≤20%		
Dimming	0-10V (5-100% Dimming, Dim to Off)		
AMBIENT OPERATING TEMPERATURE			
Fixture	-20°C to 40°C (-4°F to 104°F)		
DEFAULT SETTINGS			
CCT	4000K		
Wattage	40W	40W	50W
MOUNTING			
Recessed in T-bar grid ceiling with integral earthquake clips Surface mount, Suspension mount, Recessed drywall kit sold separately			

CERTIFICATIONS					
cULus Listed for Canada and USA, per UL 1598, CSA C22.2 No. 250.0, DLC Premium					
FIELD INSTALLED CONTROLS					
Bluetooth PIR Motion Sensor					
PIR Motion Sensor (RC-500 remote needed to operate sensor)					
CONSTRUCTION					
Housing	Steel housing + Aluminum Frame				
Lens	PMMA Lens				
Finish	White				
WEIGHT (FIXTURE ONLY)					
CPLH14	4.40 lbs				
CPLH22	4.40 lbs				
CPLH24	8.20 lbs				
MAX AMPERAGE DRAW (A)					
	120V	208V	240V	277V	347V
CPLH14	0.350	0.200	0.170	0.150	0.120
CPLH22	0.350	0.200	0.170	0.150	0.120
CPLH24	0.440	0.260	0.220	0.190	0.150
LUMEN MAINTENANCE					
L90		L80		L70	
>60000 hrs		>100000 hrs		>100000 hrs	

Note: 1. Electrical and Light Performance data is based on LM79 test report at 4000K and 120V.
2. Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 calculations.



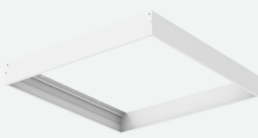
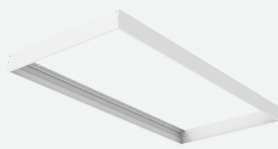
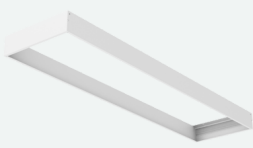
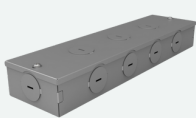
ORDERING GUIDE

		H	VK	DIM	SR	
Fixture	Wattage	Voltage	Colour Temp.	Dimming	Controls	Options
CPLH14	LED40A20	H - 120-347V	VK - CCT Selectable (3500K/ 4000K/ 5000K)	DIM - 0-10V Dimming	SR - Sensor Receptacle	Blank - No Battery Backup
CPLH22	LED40A20					BBK8 - Battery Backup 8W
CPLH24	LED50A30					

STOCK CODE

033714	CPLH14-LED40A20-H-VK-DIM-SR
033722	CPLH22-LED40A20-H-VK-DIM-SR
033724	CPLH24-LED50A30-H-VK-DIM-SR

ACCESSORIES SOLD SEPARATELY

083786	LOWBAY RC PIR MOTION/DLH PLUG-IN SENSOR		072203	SURFACE MOUNT KIT F/2x2 BACKLIT CPL,ECPL,CPLH-3" H	
083787	LOWBAY BLUETOOTH PIR MOTION/DLH PLUG-IN SENSOR		072403	SURFACE MOUNT KIT F/2x4 BACKLIT CPL,ECPL,CPLH-3" H	
083789	CONTROLLED RC-500 MOTION SENSOR REMOTE CONTROL		071403	SURFACE MOUNT KIT F/1x4 BACKLIT CPL,ECPL,CPLH-3" H	
084215	BLUETOOTH 3-KEY AC LINE VOLTAGE WALL SWITCH 120-277VAC, 3-KEYS(ON/OFF, DIM+, DIM-)		072204	DRY WALL KIT F/1X4 BACKLIT ECPL/CPLH	
070016	WIRING COMPARTMENT- 8.88" L X 2.44" W X 1.24" H		072205	DRY WALL KIT F/2X2 BACKLIT ECPL/CPLH	
070002	2 CABLE SUSPENSION MOUNT KIT F/CPL, CPLH		072206	DRY WALL KIT F/2X4 BACKLIT ECPL/CPLH	

Motion Sensor Specifications

Sensor Type	PIR Sensor/Bluetooth PIR Sensor
Microwave Frequency	2.4GHz +/- 75MHz
Operating Voltage	12VDC
Input Current	25mA Max.
Operating Current	10mA
Output Power	0.1W
Output Current	10mA Max.
Maximum Detection Range	40 ft Max.
Maximum Mounting Height	18 ft Max.
Bluetooth Version**	4.2
Bluetooth Transmit**	100 ft Max.
Ambient Operating Temperature	-30°C to 55°C (-22°F TO 131°F)
Indoor/Outdoor Use	Indoor use only
IP Rating	IP20
Installation	Field Installed Quick Plug-and-play

Motion Sensor Programming

Programming Tool	RC-500 Remote Control
Brightness	50%/75%/100%*
Sensitivity	Sensitivity of surrounding motion OFF/LOW/HIGH* OFF indicates sensor mode is disabled and it will act as photocell only
Hold Time	After no motion for [HOLD TIME], the fixture dims from [TRIM-LEVEL] to [STANDBY DIM]. 30sec/5min*/15min/30min
Standby Dim	After no motion for [STANDBY TIME] after [HOLD TIME] has passed, the fixture turns off. 10sec/5min/15min/30min/60min*/∞ Select ∞ if the fixture should not turn off and should stay at [STANDBY DIM] level.
Standby Time	Fixture dims to this level after [HOLD TIME] has passed. 0%/10%/30%*/50%

Notes:

* refers to the default settings

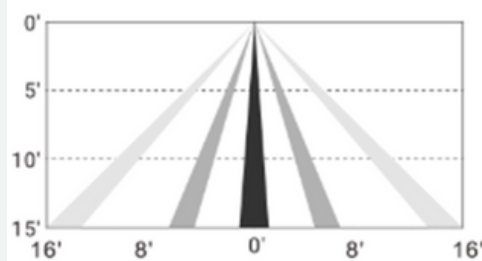
** Applies to Bluetooth sensor only

Default Setting: Motion Sensor: ON, Occupancy/Vacancy Mode:Occupancy, High Trim: 100%, Sensitivity: High, Hold time: 20 min,Standby dim: 50%, Standby time: 1 min, Photocell: OFF, Linkage: OFF,Linkage level: 100%

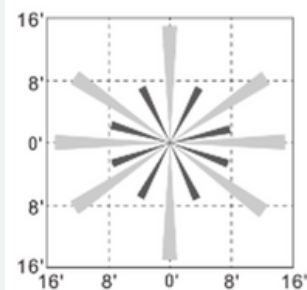
For instructions on programming the motion sensor remote control, please see the Installation Instructions.

Motion Detection Range

Side View (at 15ft Height)



Top View (at 15ft Height)



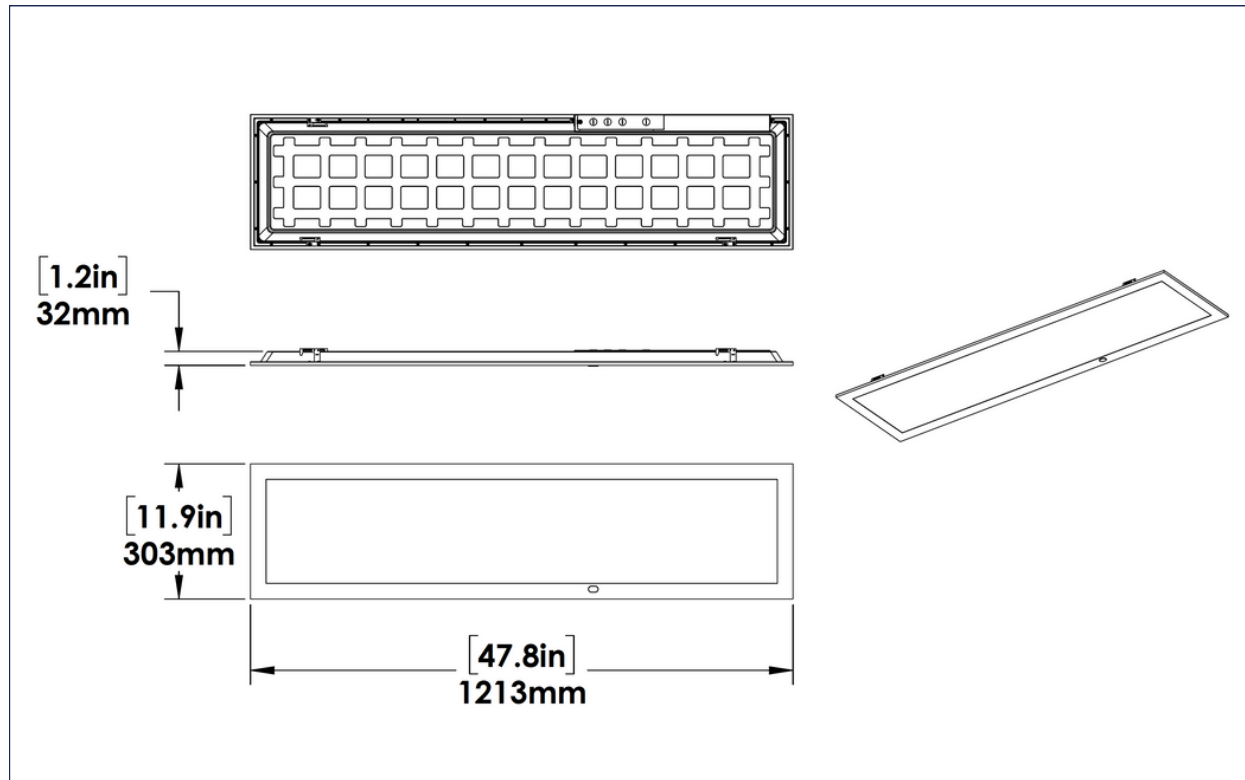
Battery Backup Specifications			
	CPLH14	CPLH22	CPLH24
Rated Input Voltage	100-347V, 100-277V AC, 50/60Hz		
Input Current	80mA max		
Input Power	5W max		
Output Current Max (LED Load Input)	AC 6A Max		
Output Voltage Range	DC15-50V, 55V max		
Output Wattage (Emergency mode)	8W, constant power		
Battery Pack Voltage/Capacity	Li-ion 7.4V 2.6Ah 19.24Wh 2S1P		
Recharge Current	0-250mA		
Recharge Time	24 hours		
Discharge Time	90 minutes		
Max. Casing Temperature	70°C		
Ambient Operating Temperature	0-50°C		
Service Life ¹	50 000 hours		
RFI/EMI	FCC		

¹ When installed in the fixture, the system's ambient operating temperature is limited by the component with the lowest allowable range.

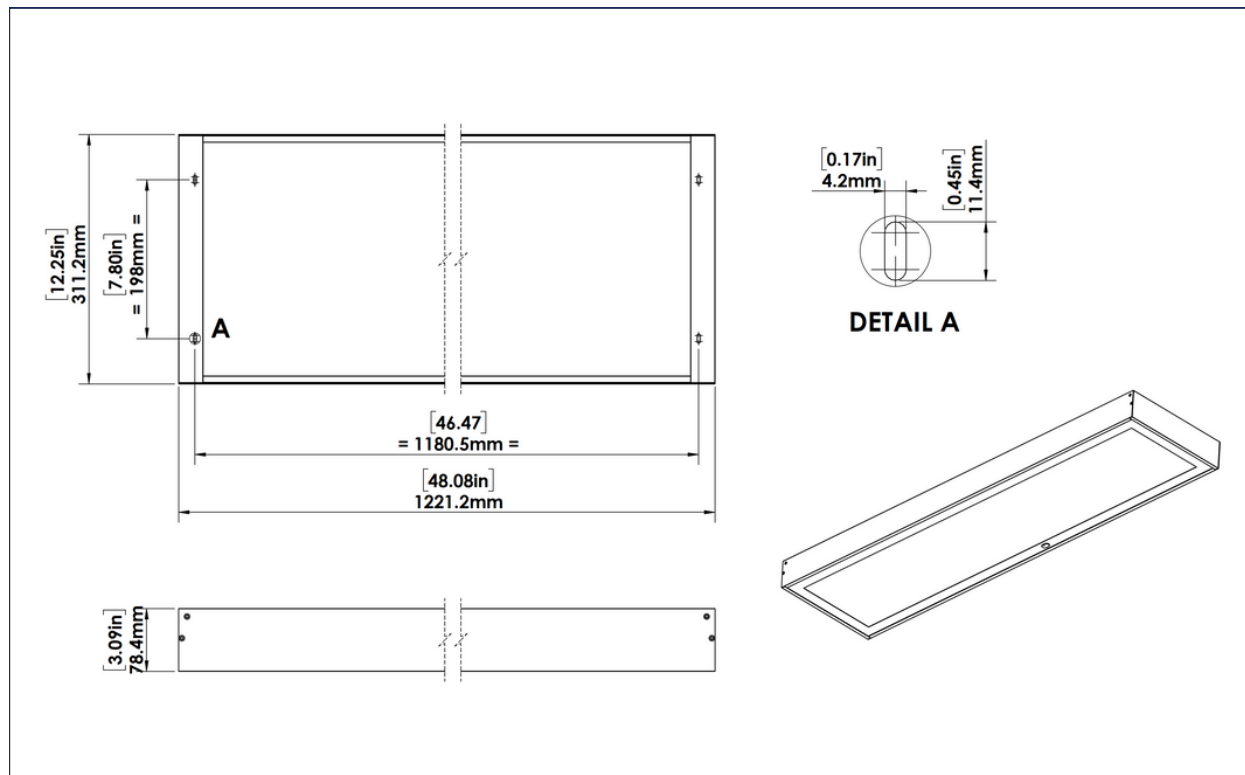
Notes:

Lumen output with emergency battery backup can be calculated by multiplying the output power with the efficacy of the fixture. In emergency mode, the CCT will be fixed at 3000K. Once power is restored, the CCT will revert to the setting configured on the CCT select switch.

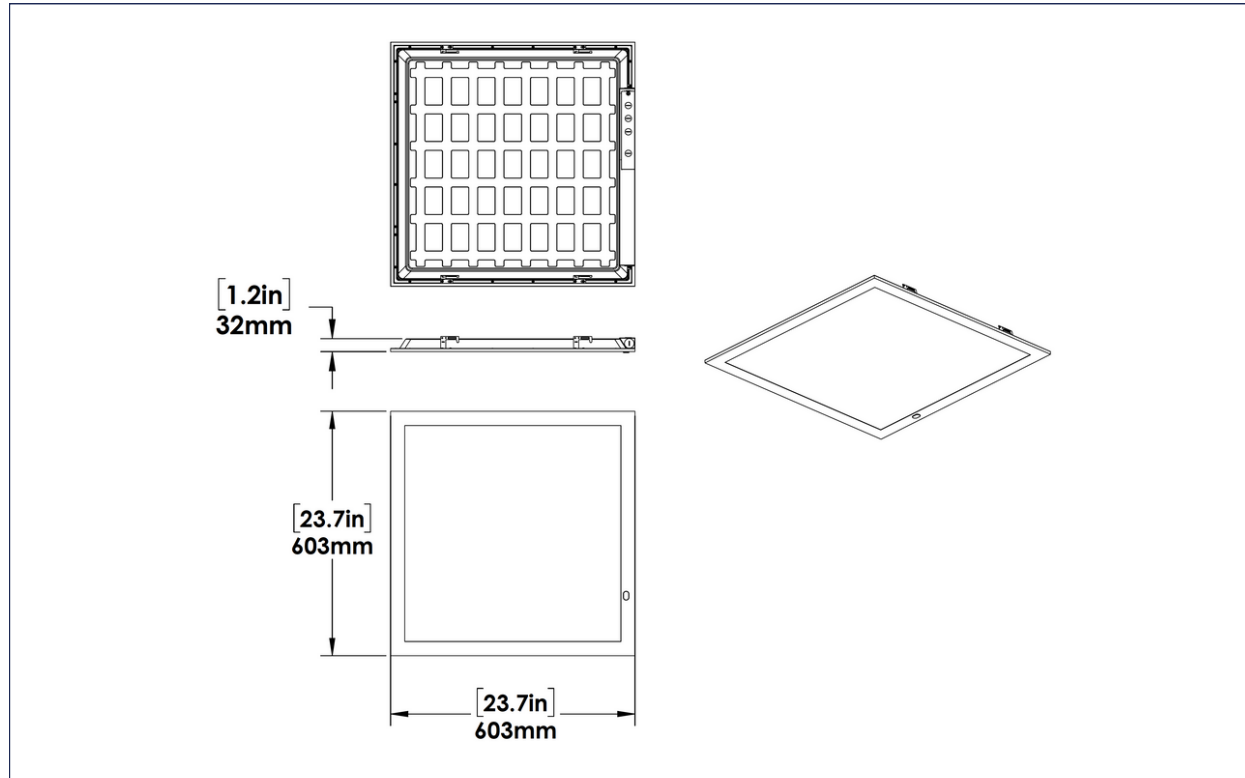
CPLH14 FIXTURE



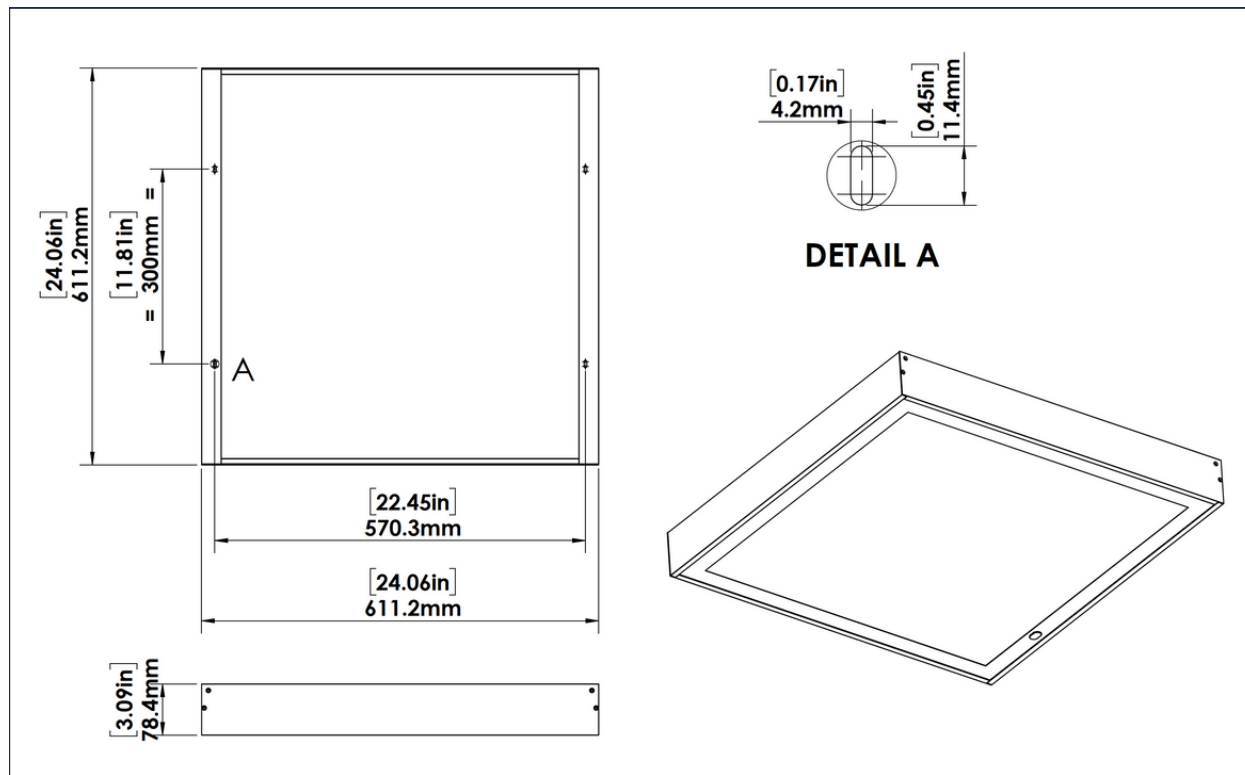
1X4 SURFACE MOUNT



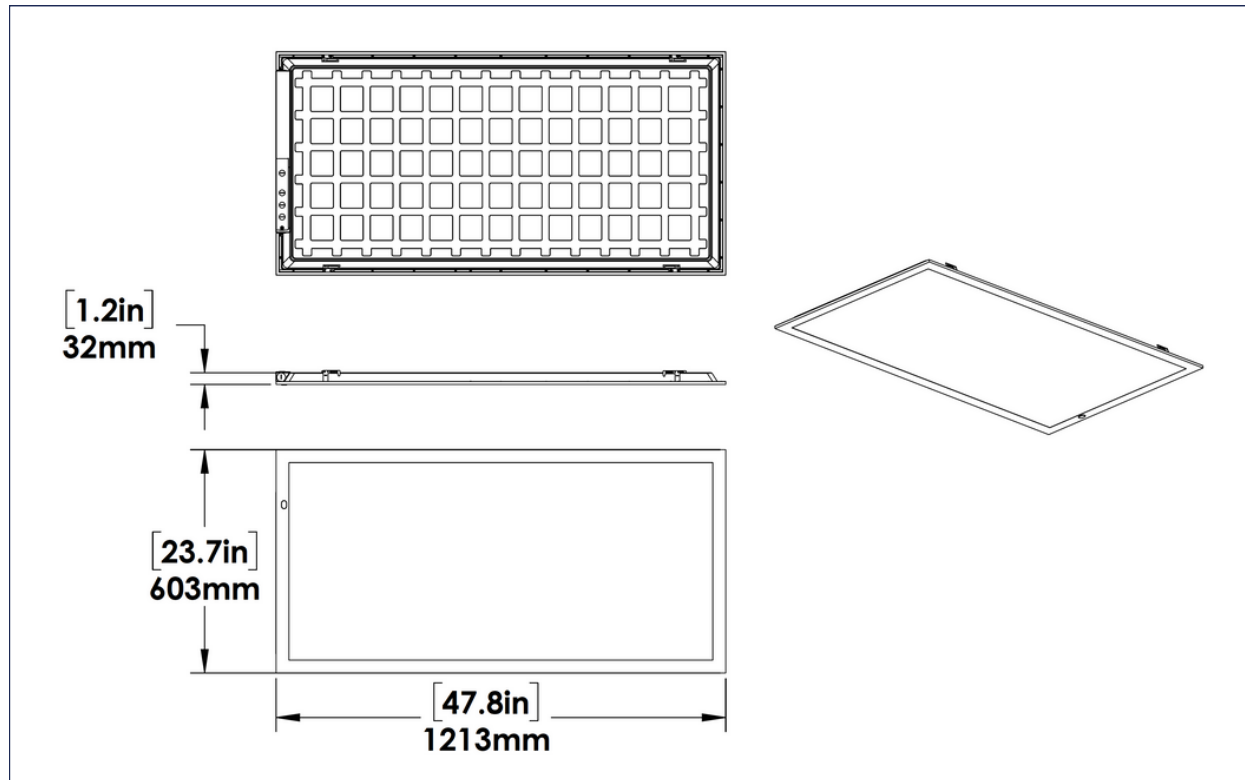
CPLH22 FIXTURE



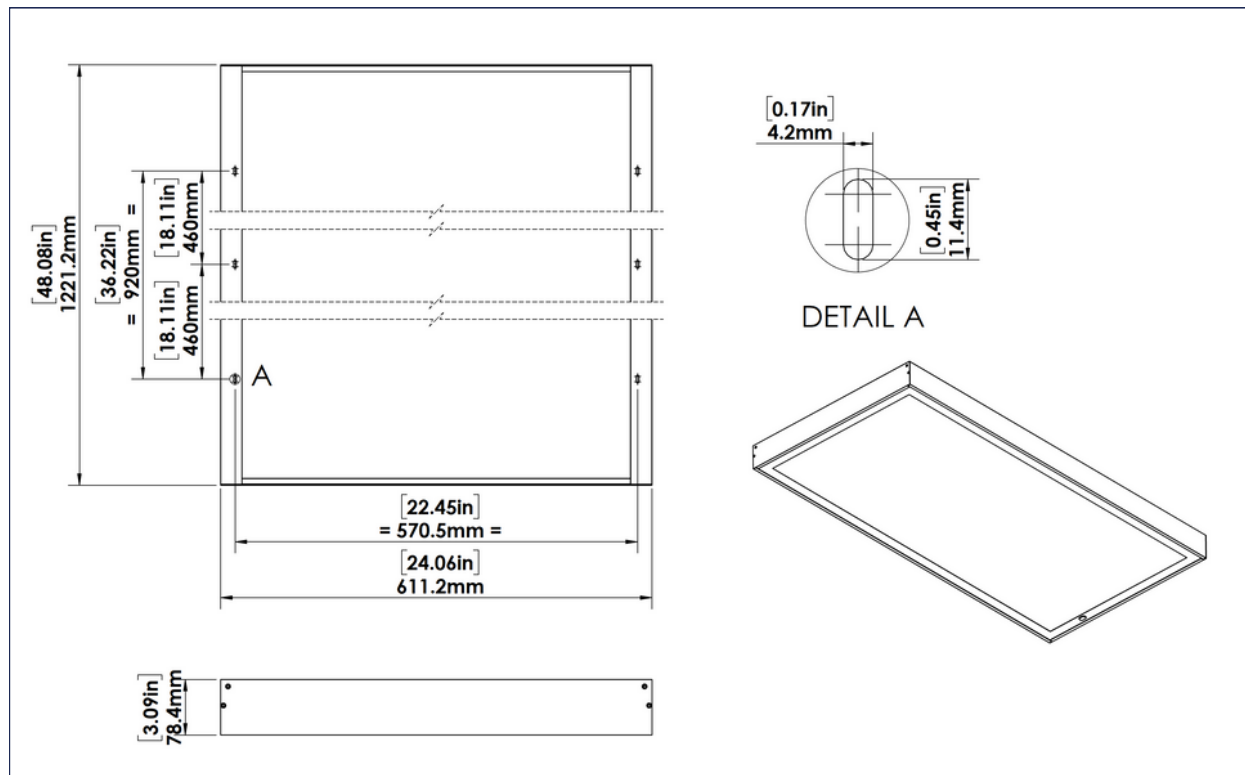
2X2 SURFACE MOUNT



CPLH24 FIXTURE

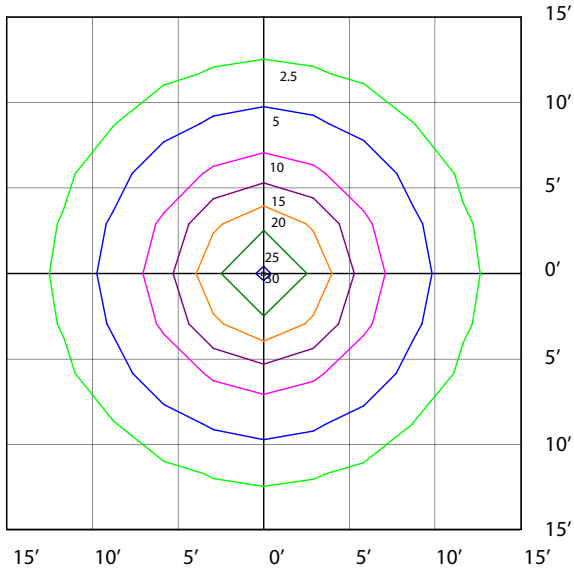


2X4 SURFACE MOUNT



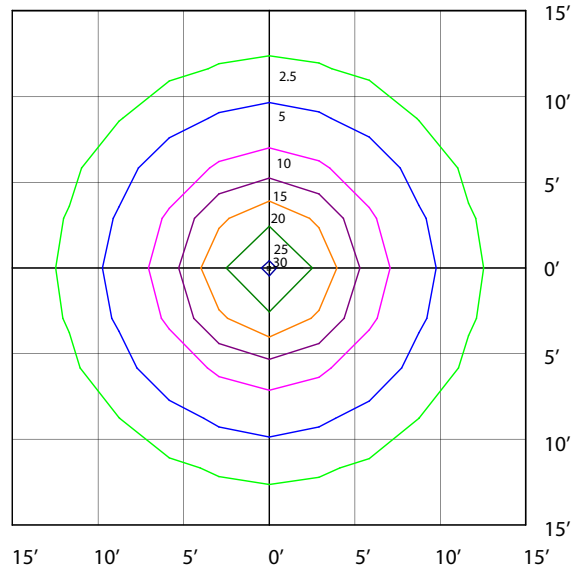
CPLH14-LED40A20-H-VK-DIM-SR-(40W 120V 4000K)
MOUNTED AT 8 FEET

Total Lumens = 5809.2 Mounting Height = 8 Ft Maximum Calculated Value = 31.04 Fc



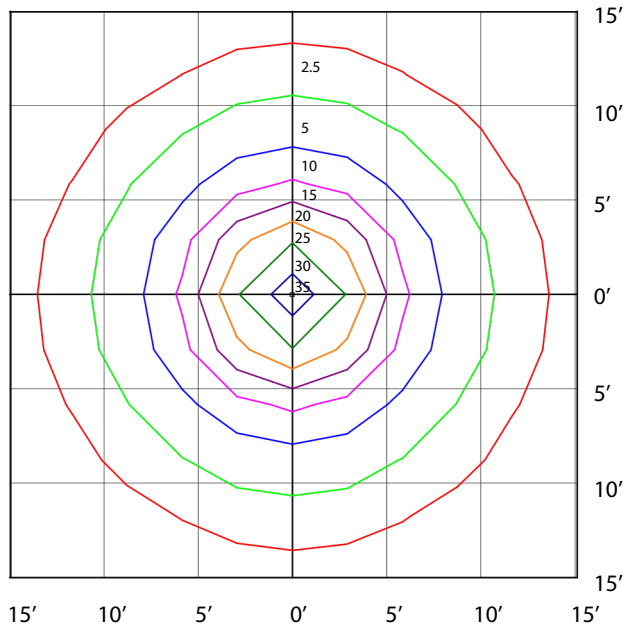
CPLH22-LED40A20-H-VK-DIM-SR-(40W 120V 4000K)
MOUNTED AT 8 FEET

Total Lumens = 5807.2 Mounting Height = 8 Ft Maximum Calculated Value = 31.06 Fc



CPLH24-LED50A30-H-VK-DIM-SR-(50W 120V 4000K)
MOUNTED AT 8 FEET

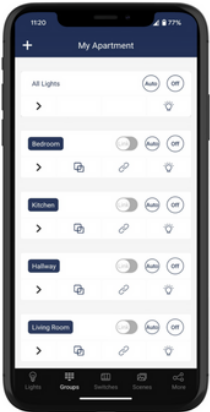
Total Lumens = 7157.4 Mounting Height = 8 Ft Maximum Calculated Value = 38.29 Fc



CONTROLLED

RAB[®]
DESIGN

ControlLED Network Lighting Controls (NLC) delivers secure, wireless lighting management with Bluetooth Mesh and the ControlLED App. Integrated sensors enable automatic adjustments for comfort, safety, and efficiency.



Organized Workspaces:
Create Zones, Groups and Group linkages.



Dimming Lights:
Set dim level for groups or individual lights.



Motion and Daylight Harvest Sensors:
Custom sensor settings for groups or individual lights.



Scenes:
Create custom scenes for different scenarios.



Schedules:
Create custom schedules for recurring events.



Share Access:
Share access using QR codes.

Get the App!



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DESIGN

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for skilled hands.**

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