



JAYKAL
efficiency. illuminated

High Powered Ceiling Panel

HPPNL Series

High Powered Ceiling Panel HPPNL Series

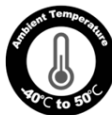
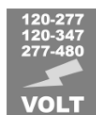
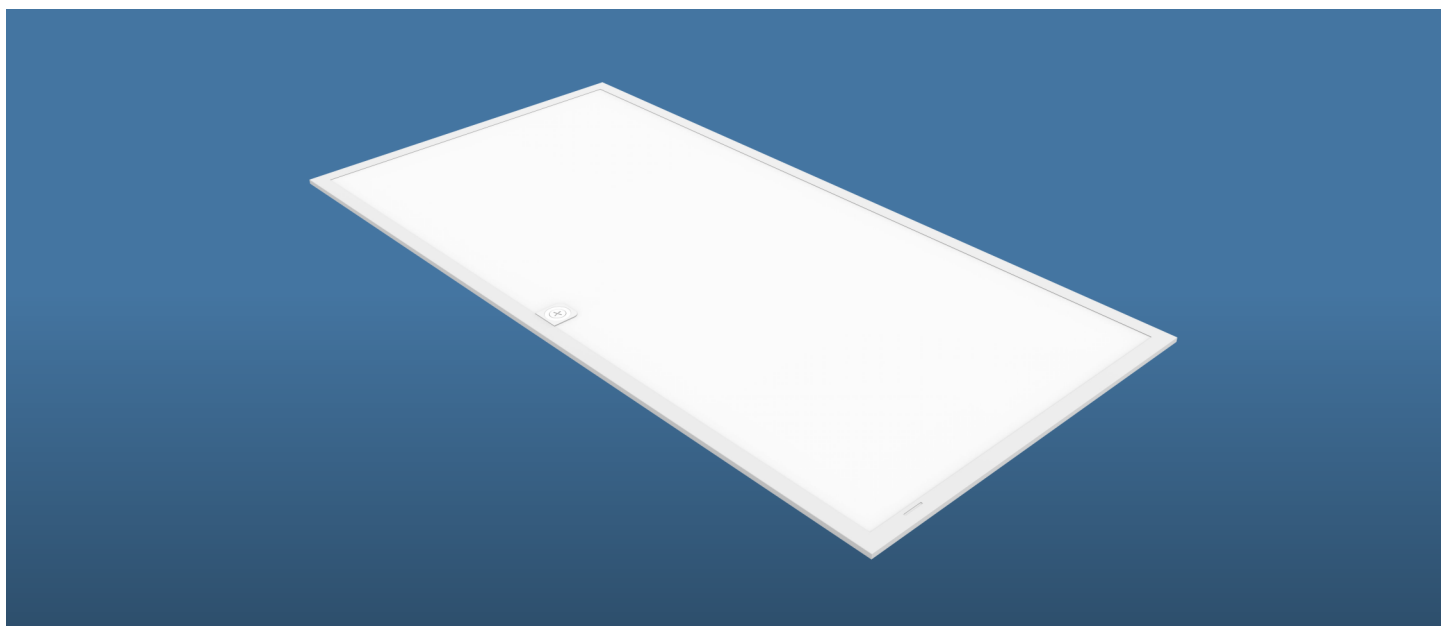
DESCRIPTION

Jaykal's JLS-HPPNL is a high-illumination LED flat panel high bay luminaire engineered for commercial and industrial environments. The fixture supports both flush mounting and suspension via cable mounting, providing installation flexibility to meet diverse application requirements.

The luminaire features a sensor-ready driver platform designed to accommodate a wide range of lighting control strategies. It supports advanced Bluetooth mesh control

FEATURES

- 160 LPW, 16,000 to 52,000 lumens.
- Audio-jack sensor socket optional[1].
- Field-adjustable Power and CCT(40K,50K).
- With OTP (Over Temperature Protection) function.
- 6kV High level surge protection.



Revised 7/16/2026

Specifications are typical values and may change without notification

efficiency. illuminated.



JAYKAL
efficiency. illuminated

High Powered Ceiling Panel

HPPNL Series

SPECIFICATIONS

MODELS	JLS-HPPNL	
LENGTH	2x2	2x4
TYPE	M1	M2
WATTAGE	100W/150W/210W	180W/260W/325W
INPUT VOLTAGE	120-277VAC 50/60Hz / 120-347VAC 50/60Hz / 277-480VAC 50/60Hz	
EFFICACY	160lm/W	
LUMENS	16,000/24,000/34,000lm	29,000/42,000/52,000lm
POWER FACTOR	>0.9	
THD	<20%	
0-10V SINK CURRENT	<3mA	
PROTECTION	Integral short circuit, open circuit, overload, over temperature protection	
SURGE PROTECTION	6KV	
L70 HOURS	>100,000 Hours	
CRI	>80	
CCT	4000K/5000K Selectable	
BEAM ANGLE	90°	
OPERATION TEMP.	-20°C (-4°F) - 50°C (122°F) when fixture is suspension mounted at least 18" from ceiling or recessed mounted.	
LENS	Polycarbonate	
HOUSING	New generation die-cast aluminum design with light transmittance PC cover	
ENVIRONMENT	Damp Locations / Fixture is not IC rated and not suitable for insulation covering the driver box.	
FCC	FCC 47 CFR Part 15 Compliant	
WARRANTY	5 Year Standard / 10 Year Optional	

Specifications are typical values and may change without notification

efficiency. illuminated.

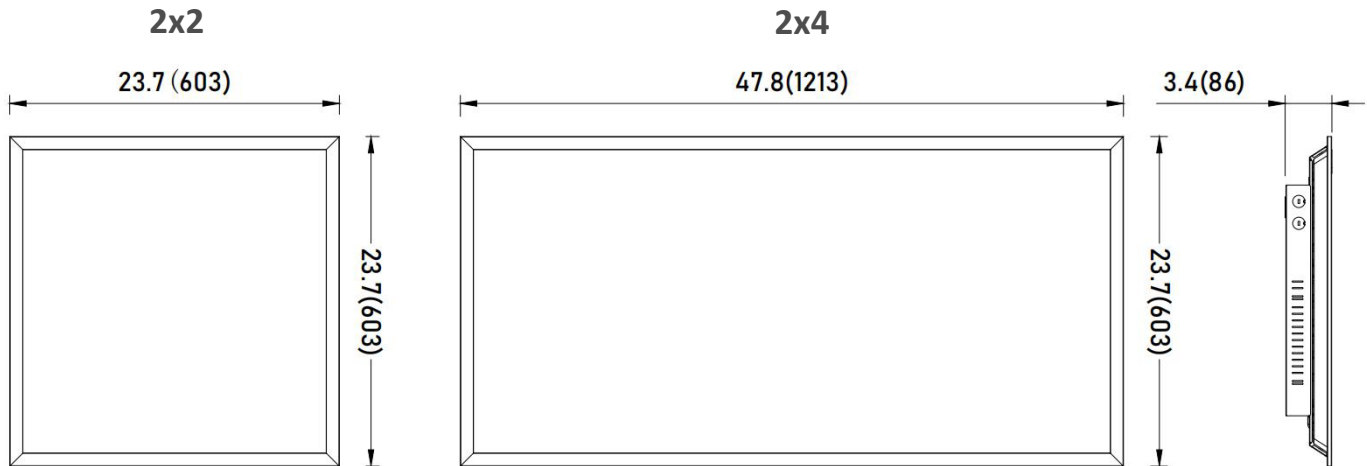


JAYKAL
efficiency. illuminated

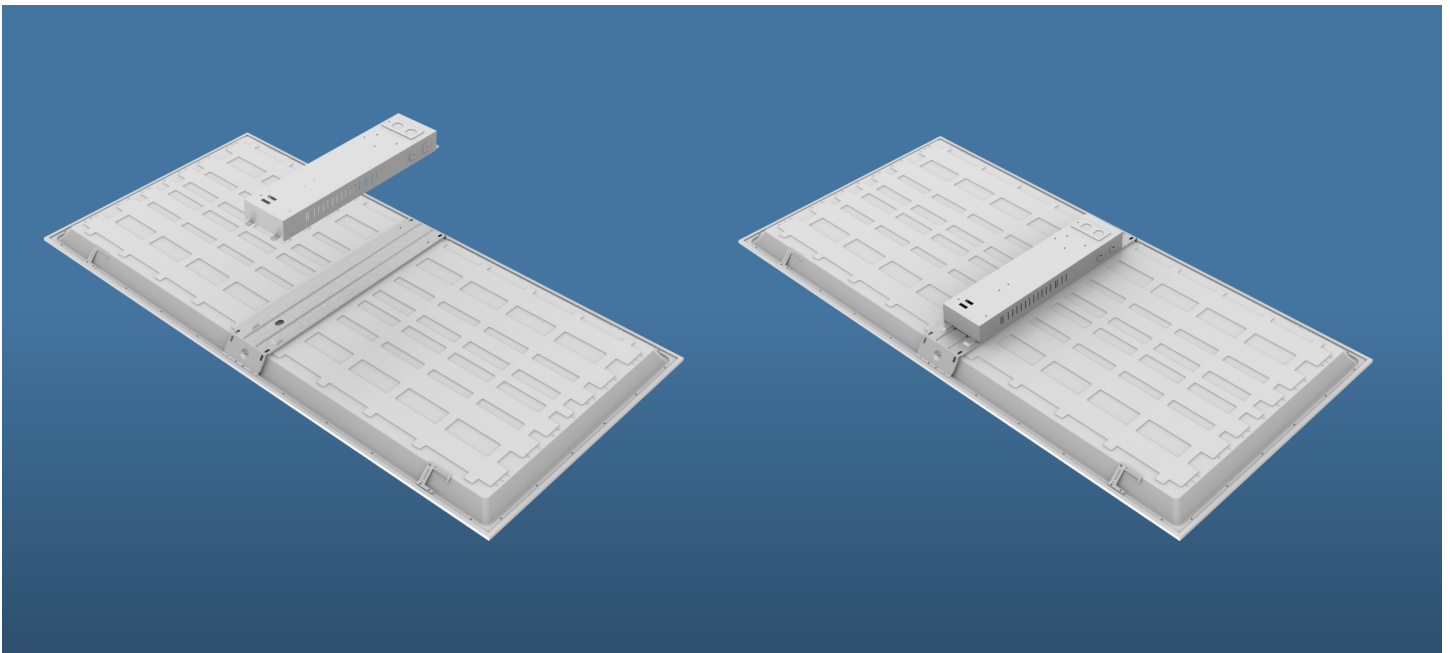
High Powered Ceiling Panel

HPPNL Series

DIMENSIONS (Unit : inch/inch)



ON-SITE DRIVER BOX INSTALLATION



Specifications are typical values and may change without notification

efficiency. illuminated.



JAYKAL
efficiency. illuminated

High Powered Ceiling Panel

HPPNL Series

ORDERING GUIDE

MODEL	-	SIZE	-	WATTAGE	-	CCT	-	VOLTAGE	-	EMERGENCY	DESIGNATION
JLS-HPPNL		22 = 2X2		M1 = 100W/150W/200W		8DCCT = 4000K/5000K		277 = 120-277V		N = None	[TAA]
		24 = 2X4		M2 = 180W/260W/325W				347 = 120-347V		EM = Emergency Backup	[COM]

MOUNTING ACCESSORIES

JLS-HPPNL-SMK	Cable Suspension Mount Kit
JLS-HPPNL-FLANGE	Hard Ceiling Mounting Kit.



Compatible Controls Guide

BRAND	MODEL	SENSOR TYPE
LUMALINX	JLS-ESS-EFS06R-AUX.B1	ESSENTIAL
LUMALINX	JLS-ESS-RM51	REMOTE CONTROL PROGRAMMER
LUMALINX	JLS-LLE-EFS106-AUX.B1	BLUETOOTH
LUMALINX	JLS-LLE-WPPA102-AUX.B1	BLUETOOTH

Specifications are typical values and may change without notification

efficiency. illuminated.