CURRENT SOLUTIONS FOR FUTURE NEEDS

BACKLIT LED PANEL LIGHT+PLC

BPL14-PLC40W-CCT | BPL22-PLC40W-CCT | BPL24-PLC72W-CCT

DESCRIPTION

Backlit LED Panel light 1' x 4' | 2' x 2' | 2' x 4' | 125lm/W | PLC Smart Switch-Applicable

Intertek DLC LISTED PREMIUM FC RoHS 5 YEARS WARRANT

CONSTRUCTION

Durable solid frame, prefabricated paint with matte white finished. Slim profile design. Integrated T-Bar mounting clips built in onto the fixture. Easy installation.

ELECTRICAL

Luminaire is built with the highest quality driver that is Universal Voltage(120V-277V), uses long lasting, highly-efficient LED packages.

DRIVER

Driver is fixed on the back of the panel or side to prevent mis-handling duringshipment.

OPTICAL SYSTEM

Back-lit optics produces uniform light output, diffuser lens reduces glare and improve overall energy efficiency.

ENERGY SAVINGS

Over 50% energy savings than traditionally fluorescent fixtures, low heat productions requires less maintenance and operation cost.

PLC SMART SWITCH

Control the lamp turn on/off, brightness(0%-100%), color temperature(2700K-6500K) and custom lighting mode.

LISTING

ETL, DLC, FCC, RoHS, CE

WARRANTY

5 Years Limited Warranty, Rated for 50,000 hours (Refer to your warranty documentation for more information.)

FEATURES

Size	1'x4' / 2'x2' / 2'x4'
Wattage (With PLC Smart Switch)	1'x4' : 40W(0%-100% Adjustable) 2'x2': 40W(0%-100% Adjustable) 2'x4': 72W(0%-100% Adjustable)
CCT (With PLC Smart Switch)	2700K-6500K(Linear adjustable)
Efficiency	125lm/W
Lumens	5000lm/5000lm/6250lm
PLC Smart Switch	Applicable
Beam Angle	120°
Input Voltage	120-277V AC
Frequency Range	50/60Hz
CRI	>80
PF	>0.9
THD	<=20%
Lifetime	50,000 hours
Operating Temperature	-4°F to 113°F (-20°C to 45°C)

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ORDERING INFORMATION

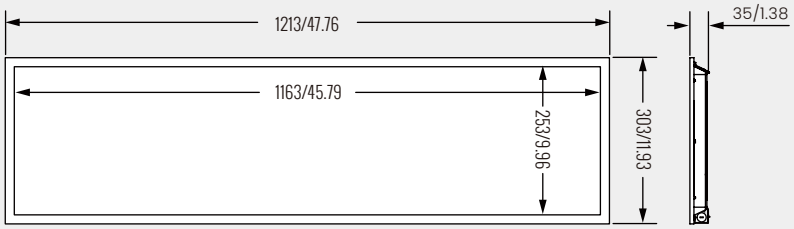
Model	Size	Wattage (With PLC Smart Switch)	Voltage	Lumens	Efficacy	CCT (With PLC Smart Switch)	Certifications
BPL14-PLC40W-CCT	1x4	40W (0%-100% Adjustable)	120-277V	5000lm	125lm/W	2700K-6500K (Linear adjustable)	ETL/DLC
BPL22-PLC40W-CCT	2x2	40W (0%-100% Adjustable)	120-277V	5000lm	125lm/W	2700K-6500K (Linear adjustable)	ETL/DLC
BPL24-PLC72W-CCT	2x4	72W (0%-100% Adjustable)	120-277V	9000lm	125lm/W	2700K-6500K (Linear adjustable)	ETL/DLC

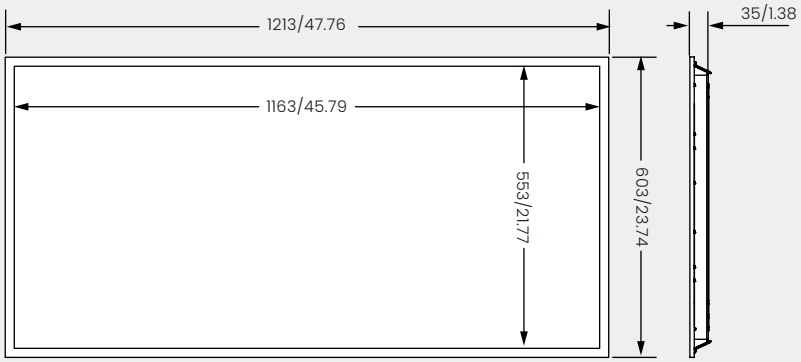
WEIGHT INFORMATION

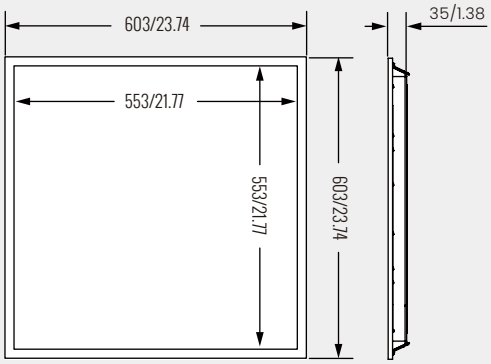
1 Piece-1'x4'	1 Piece-2'x2'	1 Piece-2'x4'
4.17 lbs.	3.75 lbs.	7.17 lbs.

PHYSICAL SPECIFICATIONS

Unit: mm/inch







Dimensional tolerances: (+1.5mm, -1.0mm)

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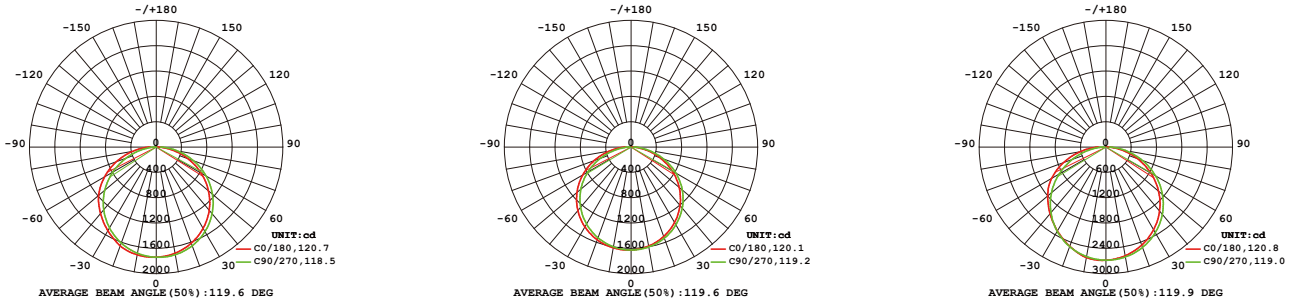
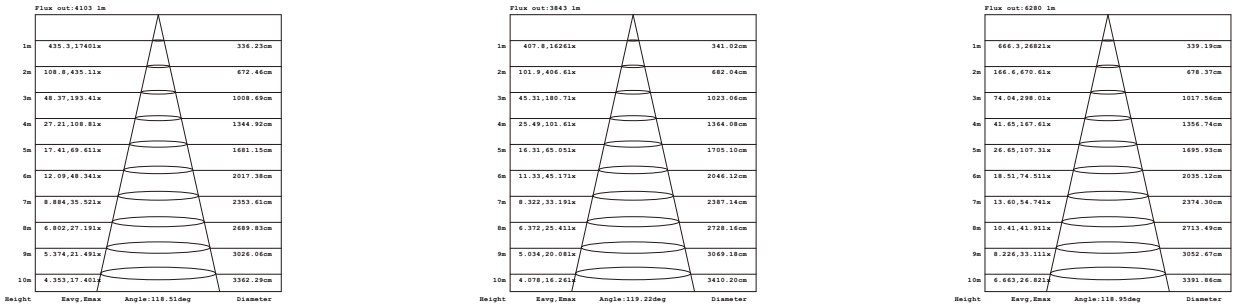
PHOTOMETRIC DATA

1x4 | 2x2 | 2x4

Polar Curve



Cone Chart

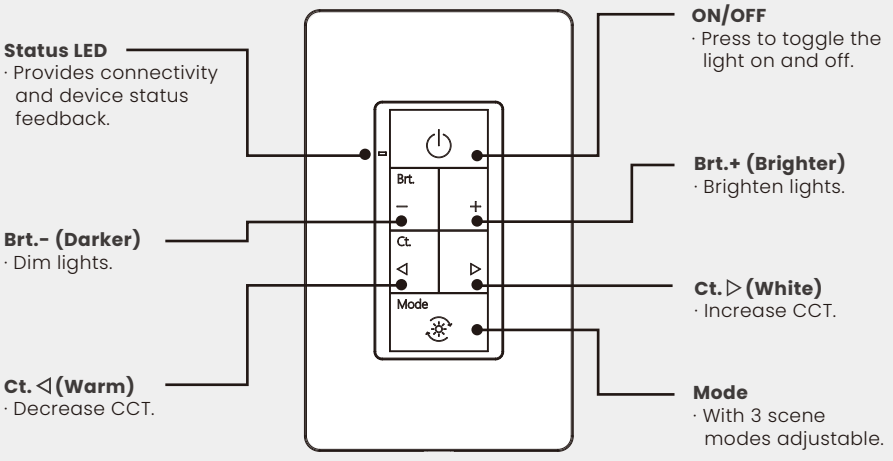


Can be used with PLC Smart Switch

SMART DIMMING

CCT ADJUSTABLE

SCENE MODEL



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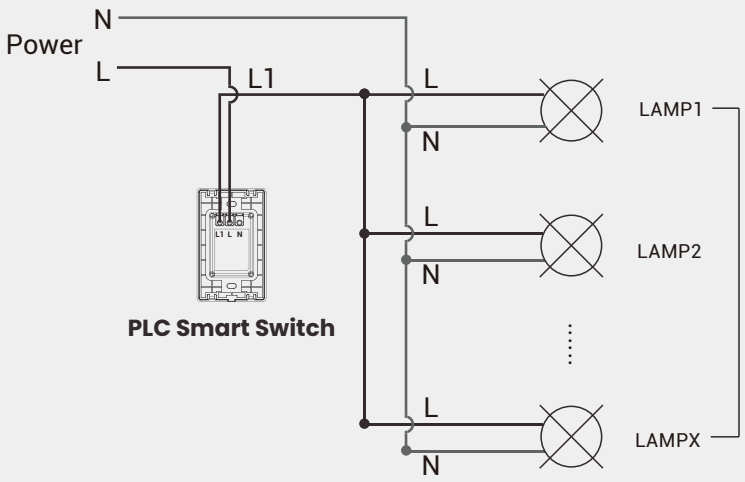
Wire Diagram



Single Live Wire Wiring

MAX CONNECT TOTAL WATTAGE

	400W PLC Smart Switch	800W PLC Smart Switch	1200W PLC Smart Switch
AC 120V	400W	800W	1200W
AC 277V	800W	1600W	2400W

For safety standards, do not connect more than the rated power of the PLC smart Switch.