

# PLANEX BACKLIT PREMIUM

LED BACKLIT PANEL

1 CCT & 3 CCT and 3 Power Selectable

Type: \_\_\_\_\_

Project: \_\_\_\_\_

**Delivered Lumens:**

up to 5 600 lm

**Input Wattage:**

20 - 40W

**Efficacy:**

up to 137 lm/W

**Colour Temperatures:**

3500K, 4000K, 5000K

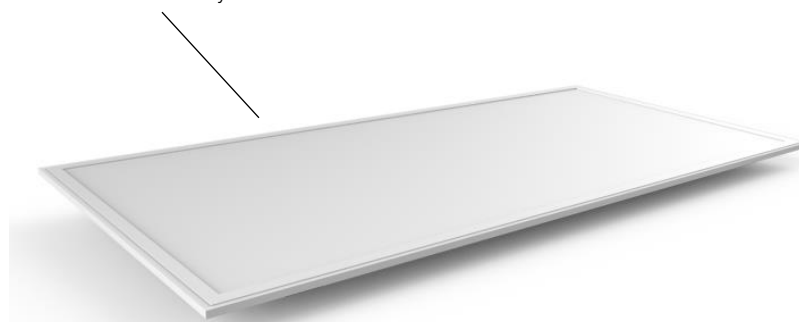
**CRI:**

>82

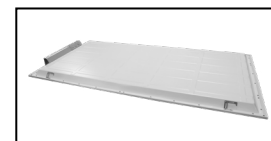
**Projected Lumen Maintenance:**

L<sub>70</sub> @ 50,000 hrs.

White aluminum alloy frame



Back view:



**PLANEX®** backlit premium panels operate from 120 - 347V featuring the natural benefit of projecting light through less material. The panels are capable of changing CCT and power with a simple switch, an ideal cost-effective solution to reduce stocking inventory.

The **PLANEX®** backlit premium is versatile making it ideal for a variety of commercial indoor applications such as offices, retail, medical facilities, schools, car dealerships, and much more.

AVAILABLE in 1x4, 2x2 & 2x4

## Configurations

| MODEL     | LENGTH                              | LUMENS          | COLOUR TEMP                             | INPUT        | OPTIONS         |
|-----------|-------------------------------------|-----------------|-----------------------------------------|--------------|-----------------|
| PLNX-PBPS | 1 (1'x4')<br>2 (2'x2')<br>4 (2'x4') | See table below | 35K (3500K)<br>4K (4000K)<br>5K (5000K) | M (120-347V) | SA* (EM Backup) |

NOTE\*: 120-277V

DLC PRODUCT ID: PLNX-PBPS-1-3C-M (PL74UGDLVEEG); PLNX-PBPS-2-3C-M (PL6EVGJZUKAH); PLNX-PBPS-4-3C-M (PL000WQ2ATOS)

## Lumen Specification Table

| MODEL       | WATTS | 3500K |            | 4000K              |            | 5000K |            |
|-------------|-------|-------|------------|--------------------|------------|-------|------------|
|             |       | LUMEN | EFFICIENCY | LUMEN              | EFFICIENCY | LUMEN | EFFICIENCY |
| PLNX-PBPS-1 | 20W   | 2 600 | 130 lm/W   | 2 700              | 135 lm/W   | 2 700 | 135 lm/W   |
|             | 25W   | 3 200 | 128 lm/W   | 3 300              | 132 lm/W   | 3 300 | 132 lm/W   |
|             | 30W   | 3 750 | 125 lm/W   | 3 800 <sup>1</sup> | 127 lm/W   | 3 800 | 127 lm/W   |
| PLNX-PBPS-2 | 20W   | 2 600 | 130 lm/W   | 2 700              | 135 lm/W   | 2 700 | 135 lm/W   |
|             | 25W   | 3 200 | 128 lm/W   | 3 300              | 132 lm/W   | 3 300 | 132 lm/W   |
|             | 30W   | 3 750 | 125 lm/W   | 3 800 <sup>1</sup> | 127 lm/W   | 3 800 | 127 lm/W   |
| PLNX-PBPS-4 | 30W   | 4 000 | 133 lm/W   | 4 100              | 137 lm/W   | 4 100 | 137 lm/W   |
|             | 35W   | 4 500 | 129 lm/W   | 4 600              | 131 lm/W   | 4 600 | 131 lm/W   |
|             | 40W   | 5 000 | 125 lm/W   | 5 100 <sup>2</sup> | 128 lm/W   | 5 100 | 128 lm/W   |

DEFAULT PROGRAMMING: NOTE<sup>1</sup>: 30W / 4000K; NOTE<sup>2</sup>: 40W / 4000K

## Accessories (Sold Separately)

| ORDER CODE | DESCRIPTION       | SIZE |
|------------|-------------------|------|
| 50001051   | Drywall Kit       | 1X4  |
| 50001052   | Drywall Kit       | 2X2  |
| 50001050   | Drywall Kit       | 2X4  |
| 50001039   | Surface Mount Kit | 1X4  |
| 50001040   | Surface Mount Kit | 2X2  |
| 50001038   | Surface Mount Kit | 2X4  |

**MECHANICAL:**

White aluminium alloy frame.

**LENS:**

PMMA

**MOUNTING:**

Recessed, suspended, and surface mounting are available.

**ELECTRICAL:**

Available in 120-347V.

**DIFFUSION:**

Layers of light shaping diffusers provide effective and uniform light distribution without glare or hot spots.

**WARRANTY:**

5 year warranty, see website for full warranty details.

**DIMMING:**

0-10 V dimming standard.

**WEIGHT:**

1'X4': 4.6lbs, 2'X2': 4.4lbs, 2'X4': 8.7lbs

**OPERATING TEMPERATURE:**

-20°C to 35°C

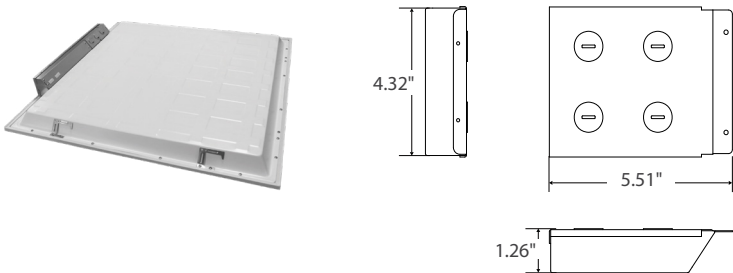
Planex® Backlit Premium LED | PLNX-PBPS

Compatible Dimmers

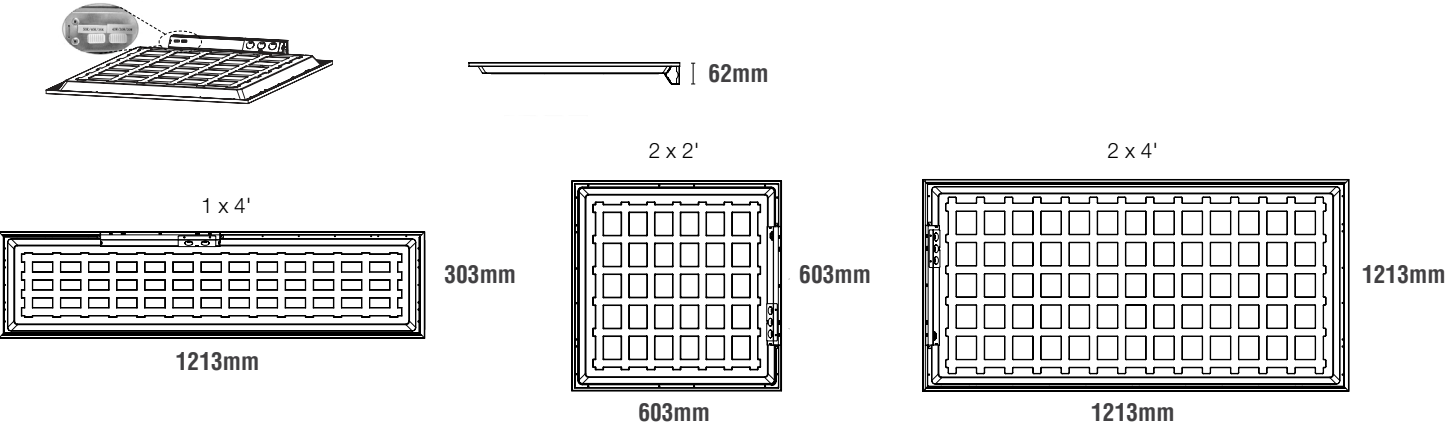
| BRAND   | MODEL #        |
|---------|----------------|
| Lutron  | DVSTV          |
|         | DVSTV-453PH-WH |
|         | DVTV           |
|         | DVSCTV         |
|         | NFTV           |
|         | NTSTV-DV       |
| Leviton | IP710-DLZ      |
|         | IP710-LFZ      |

**NOTE:** Above dimmers have been tested with Planex fixtures. Actual operation and installation of dimmers to comply with dimmer manufacturer's instructions. Consult dimming manufacturer for tech support.

Junction Box (Sold Separately)

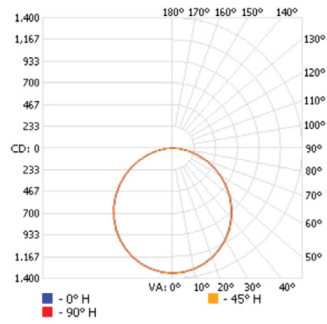


Dimensions



PLNX-PBPS-1-3C-M

Luminous Intensity Distribution

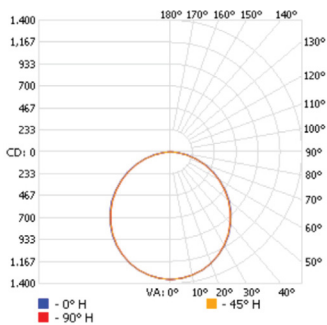


Zonal Lumen Summary

| ZONE   | LUMENS | % LUMINAIRE |
|--------|--------|-------------|
| 0-30   | 1 043  | 27%         |
| 0-40   | 1 709  | 44%         |
| 0-60   | 3 030  | 78%         |
| 60-90  | 873    | 22%         |
| 70-100 | 386    | 10%         |
| 90-120 | 1.4    | 0%          |
| 0-90   | 3 902  | 100%        |
| 90-180 | 1.4    | 0%          |
| 0-180  | 3 904  | 100%        |

PLNX-PBPS-2-3C-M

Luminous Intensity Distribution

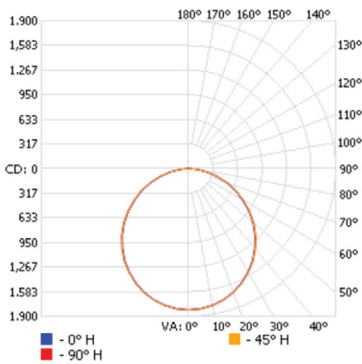


Zonal Lumen Summary

| ZONE   | LUMENS | % LUMINAIRE |
|--------|--------|-------------|
| 0-30   | 1 052  | 27%         |
| 0-40   | 1723   | 44%         |
| 0-60   | 3 051  | 78%         |
| 60-90  | 868    | 22%         |
| 70-100 | 380    | 10%         |
| 90-120 | 0.5    | 0%          |
| 0-90   | 3 919  | 100%        |
| 90-180 | 0.5    | 0%          |
| 0-180  | 3 919  | 100%        |

PLNX-PBPS-4-3C-M

Luminous Intensity Distribution



Zonal Lumen Summary

| ZONE   | LUMENS | % LUMINAIRE |
|--------|--------|-------------|
| 0-30   | 1 410  | 27%         |
| 0-40   | 2 312  | 44%         |
| 0-60   | 4 101  | 78%         |
| 60-90  | 1 177  | 22%         |
| 70-100 | 518    | 10%         |
| 90-120 | 1.0    | 0%          |
| 0-90   | 5 278  | 100%        |
| 90-180 | 1.0    | 0%          |
| 0-180  | 5 279  | 100%        |