

LED PANEL LIGHT 2X2 BOL-EPL

DESCRIPTION

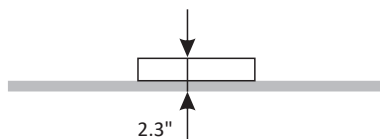
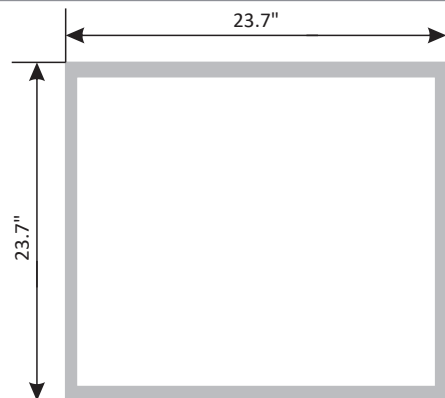
Blue Ocean's ECO LED Panel Light series is a 2' by 2' energy-efficient and aesthetically pleasing choice for new construction or replacement for traditional fluorescent troffer fixtures in drop ceilings with recessed installation, in office spaces, schools, hospitality, healthcare and other commercial and industrial application. Achieving great optical performance by combination of reflective and refractive optical components and guide plate printing high-density pixels, it produced evenly-distributed light with minimal glare and no shelter angle. Equipped with high performance LED chip allows the panels deliver high energy efficiency, accurate colour rendering, colour consistency and minimum luminous depreciation. Face frame, back panel and driver housing are all made of aluminum to act as heat sinks for high heat dissipation, enabling fixture to reach optimal performance and to prolong lifespan.



SPECIFICATION CHART

| | |
|-----------------|-------------------------|
| Model No. | BOL-EPL-2X2-40W-D-XX |
| Voltage | AC100-277V 50/60Hz |
| Wattage | 40W |
| Replacement | 80W T8 |
| Lumen Output | 3400-3600lm |
| CRI | >80 |
| CCT | 3500K 4000K 5000K |
| Power Factor | >0.9 |
| Beam Angle | 120° |
| Dimensions | L23.7" x W23.7" x H2.3" |
| Installation | Recessed |
| IC-Rated | Yes |
| Damp-Rated | Yes |
| Operating Temp. | -20~45°C |

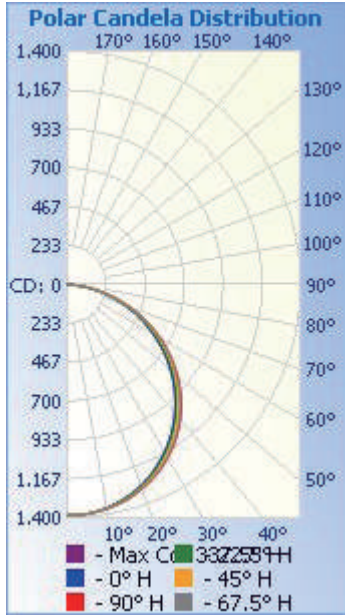
DRAWING



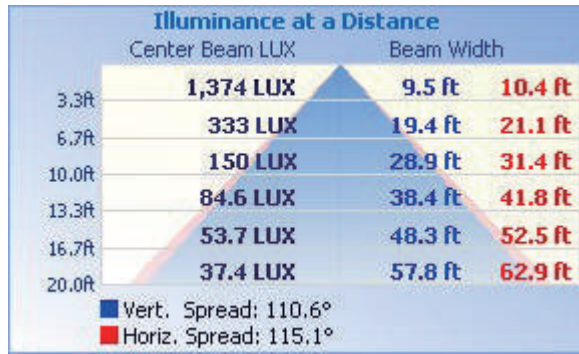
ORDERING INFORMATION

| | | | | | |
|------------------------------|-------------------------------|---------------------------|------------------------------|--|---|
| Series No. BOL-EPL | Dimension 2X2=2'X2' | Wattage 40W=40W | Dimming D=Dimmable | CCT 35=3500K 40=4000K 50=5000K | Finish WHT=White SIL=Silver* |
|------------------------------|-------------------------------|---------------------------|------------------------------|--|---|

PHOTOMETRIC SPEC



BLUE OCEAN LIGHTING™
BOLEPL2X240WD
 20' Mounting Height



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 0 |
| RCR: 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.00 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 |
| 1 | 1.09 | 1.04 | 1.00 | .96 | 1.06 | 1.02 | .98 | .84 | .97 | .94 | .91 | .93 | .91 | .88 | .90 | .88 | .86 | .86 | .86 | .86 | .84 |
| 2 | .99 | .90 | .83 | .78 | .96 | .88 | .82 | .71 | .85 | .80 | .75 | .82 | .77 | .73 | .79 | .75 | .72 | .72 | .72 | .72 | .69 |
| 3 | .90 | .79 | .71 | .64 | .87 | .78 | .70 | .60 | .75 | .68 | .63 | .72 | .66 | .62 | .69 | .65 | .61 | .61 | .61 | .61 | .58 |
| 4 | .82 | .70 | .61 | .55 | .80 | .69 | .61 | .52 | .66 | .59 | .53 | .64 | .58 | .53 | .62 | .56 | .52 | .52 | .52 | .52 | .50 |
| 5 | .76 | .63 | .54 | .47 | .73 | .61 | .53 | .45 | .59 | .52 | .46 | .57 | .51 | .46 | .56 | .50 | .45 | .45 | .45 | .45 | .43 |
| 6 | .70 | .56 | .47 | .41 | .68 | .55 | .47 | .39 | .54 | .46 | .40 | .52 | .45 | .40 | .50 | .44 | .40 | .40 | .40 | .40 | .37 |
| 7 | .65 | .51 | .42 | .36 | .63 | .50 | .42 | .35 | .49 | .41 | .36 | .47 | .40 | .35 | .46 | .40 | .35 | .35 | .35 | .35 | .33 |
| 8 | .60 | .47 | .38 | .32 | .59 | .46 | .38 | .31 | .45 | .37 | .32 | .43 | .37 | .32 | .42 | .36 | .31 | .31 | .31 | .31 | .29 |
| 9 | .56 | .43 | .34 | .29 | .55 | .42 | .34 | .28 | .41 | .34 | .29 | .40 | .33 | .28 | .39 | .33 | .28 | .28 | .28 | .28 | .26 |
| 10 | .53 | .39 | .31 | .26 | .51 | .39 | .31 | .26 | .38 | .31 | .26 | .37 | .30 | .26 | .36 | .30 | .26 | .26 | .26 | .26 | .24 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 1,082.5 | 27.1% |
| 0-40 | 1,775.4 | 44.4% |
| 0-60 | 3,144.9 | 78.7% |
| 60-90 | 852.6 | 21.3% |
| 70-100 | 358.4 | 9% |
| 90-120 | 0.2 | 0% |
| 0-90 | 3,997.5 | 100% |
| 90-180 | 1.1 | 0% |
| 0-180 | 3,998.6 | 100% |

Lumens Per Zone

| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|--------|---------|---------|--------|---------|
| 0-10 | 131.6 | 3.3% | 90-100 | 0.0 | 0% |
| 10-20 | 377.5 | 9.4% | 100-110 | 0.0 | 0% |
| 20-30 | 573.5 | 14.3% | 110-120 | 0.1 | 0% |
| 30-40 | 692.9 | 17.3% | 120-130 | 0.3 | 0% |
| 40-50 | 719.8 | 18.0% | 130-140 | 0.3 | 0% |
| 50-60 | 649.7 | 16.2% | 140-150 | 0.2 | 0% |
| 60-70 | 494.2 | 12.4% | 150-160 | 0.1 | 0% |
| 70-80 | 283.8 | 7.1% | 160-170 | 0.0 | 0% |
| 80-90 | 74.6 | 1.9% | 170-180 | 0.0 | 0% |