

P14BR

LED BACKLIT PANEL

3 CCT AND 3 POWER SELECTABLE

P14BR LED panel lights utilize next-generation back-lit technology, ensuring high performance, superior uniformity, and reduced glare. Featuring a 120-347V driver and the versatility to change the colour temperature and lumen output with a simple switch, the P14BR series is the premier and cost-effective solution for reducing stocking inventory. These commercial grade LED panels lights are the ideal replacement for traditional fluorescent fixtures in offices, schools, and commercial buildings.



FEATURES & SPECIFICATIONS

CONSTRUCTION

Housing and finishing

- Frame is made of white aluminum alloy

Mounting

- Recessed, suspended, surface

SPECIFICATIONS

Driver

120-347V electronic driver
 with 0-10V dimming standard

Beam angle

- 1'X4': V: 110° / H: 110°
- 2'X2': V: 110° / H: 110°
- 2'X4': V: 110° / H: 110°

Ambient temperature

- -20°C ~ +35°C

COMPLIANCE

- cULus
- Suitable for damp location
- IC rated
- Meets requirements of ICES-005 issue 5 for Class B products
- Conforms to:
 - STANDARD METHOD OF TEST FOR SURFACE BURNING: CAN/ULC-S102.2-10
 - STANDARD METHOD OF FIRE TEST OF LIGHT DIFFUSERS AND LENSES: CAN/ULC-S102.3-07

| OVERVIEW | | | |
|--------------------------|---|------------------------------|------------------------------------|
| LIGHT SOURCE | LED | COLOR TEMPERATURE (K) | 3 500/4 000/5 000 4000 |
| WATTS (W) | 20/25/30 20/30/40 30/35/40 30/40/50 40,50 | CRI | 82+ |
| LUMEN OUTPUT (LM) | 2 400 - 5 600 | NET WEIGHT (LBS) | 1'X4': 4.6, 2'X2': 4.4, 2'X4': 8.7 |
| EFFICIENCY (LM/W) | 110-137 | | |

LED

DAMP LOCATION

DIMMABLE

ICES 005

CCT+ 3CCT SELECTABLE

W+ POWER SELECTABLE

P14BR

QUICK SHIP ORDERING GUIDE¹



| PART NUMBER | DLC UNIQUE ID | WATTS [W] | VOLTS [VAC] | COLOR TEMP. [K] ² | LUMEN OUTPUT [LM] ³ | EFFICIENCY [LM/W] | CRI | LIFE L70 [HRS] ⁴ | DIMMING [YES/NO] | POWER FACTOR | THD [%] | CASE QTY [MASTER] |
|---------------------|---------------|-----------|-------------|------------------------------|--------------------------------|-------------------|-----|-----------------------------|------------------|--------------|---------|-------------------|
| DLC Standard | | | | | | | | | | | | |
| 1'x4' | | | | | | | | | | | | |
| P14BR-1LA1-32/40K | PLD5999G2BNV | 40 | 120-347 | 4 000 | 4 500 | 113 | ≥82 | 50 000 | Yes | 0.9 | <25 | 2 |
| P14BR-1LPS-32/3C | PLSNZH08KCFT | 20/30/40 | 120-347 | 3 500/4 000/5 000 | 2 500/3 600/4 500 | 110 | ≥82 | 50 000 | Yes | 0.9 | <25 | 2 |
| 2'x2' | | | | | | | | | | | | |
| P14BR-2LA1-32/40K | PLNMHEVDAZBE | 40 | 120-347 | 4 000 | 4 500 | 113 | ≥82 | 50 000 | Yes | 0.9 | <25 | 2 |
| P14BR-2LPS-32/3C | PLJCSL895FRG | 20/30/40 | 120-347 | 3 500/4 000/5 000 | 2 500/3 600/4 500 | 110 | ≥82 | 50 000 | Yes | 0.9 | <25 | 2 |
| 2'x4' | | | | | | | | | | | | |
| P14BR-4LA1-32/40K | PLSNZH08KCFT | 50 | 120-347 | 4 000 | 5 600 | 112 | ≥82 | 50 000 | Yes | 0.9 | <25 | 2 |
| P14BR-4LPS-32/3C | PL5B1V0G8BF3 | 30/40/50 | 120-347 | 3 500/4 000/5 000 | 3 700/4 700/5 600 | 110 | ≥82 | 50 000 | Yes | 0.9 | <25 | 2 |
| DLC Premium | | | | | | | | | | | | |
| 1'x4' | | | | | | | | | | | | |
| P14BR-1LPSP-32/3C | PCEH5GGN | 20/25/30 | 120-347 | 3 500/4 000/5 000 | 2 700/3 300/3 800 | 127 | ≥82 | 50 000 | Yes | 0.9 | <25 | 2 |
| 2'x2' | | | | | | | | | | | | |
| P14BR-2LPSP-32/3C | PT940C0Z | 20/25/30 | 120-347 | 3 500/4 000/5 000 | 2 700/3 300/3 800 | 127 | ≥82 | 50 000 | Yes | 0.9 | <25 | 2 |
| 2'x4' | | | | | | | | | | | | |
| P14BR-4LPSP-32/3C | P9B7030H | 30/35/40 | 120-347 | 3 500/4 000/5 000 | 4 100/4 600/5 100 | 127 | ≥82 | 50 000 | Yes | 0.9 | <25 | 2 |

¹ QUICK SHIP: Product availability is subject to change without notice. Please contact your AimLite customer service representative to confirm inventory levels at time of order.

² Typical color temperature range: +/- 5%.

³ Lumen values are derived from photometric testing. Initial lumens range: +/- 10%.

⁴ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

LUMEN SPECIFICATION TABLE

| PART NUMBER | WATTS [W] | 3 500 K | | 4 000 K | | 5 000 K | |
|---------------------|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | LUMEN OUTPUT [LM] | EFFICIENCY [LM/W] | LUMEN OUTPUT [LM] | EFFICIENCY [LM/W] | LUMEN OUTPUT [LM] | EFFICIENCY [LM/W] |
| DLC Standard | | | | | | | |
| P14BR-1LPS-32/3C | 20 | 2400 | 120 | 2500 | 125 | 2500 | 125 |
| | 30 | 3500 | 117 | 3600 | 120 | 3600 | 120 |
| | 40 | 4400 | 110 | 4500 | 113 | 4500 | 113 |
| P14BR-2LPS-32/3C | 20 | 2400 | 120 | 2500 | 125 | 2500 | 125 |
| | 30 | 3500 | 117 | 3600 | 120 | 3600 | 120 |
| | 40 | 4400 | 110 | 4500 | 113 | 4500 | 113 |
| P14BR-4LPS-32/3C | 30 | 3600 | 120 | 3700 | 123 | 3700 | 123 |
| | 40 | 4600 | 115 | 4700 | 118 | 4700 | 118 |
| | 50 | 5500 | 110 | 5600 | 112 | 5600 | 112 |
| DLC Premium | | | | | | | |
| P14BR-1LPSP-32/3C | 20 | 2600 | 130 | 2700 | 135 | 2700 | 135 |
| | 25 | 3200 | 128 | 3300 | 132 | 3300 | 132 |
| | 30 | 3750 | 125 | 3800 | 127 | 3800 | 127 |
| P14BR-2LPSP-32/3C | 20 | 2600 | 130 | 2700 | 135 | 2700 | 135 |
| | 25 | 3200 | 128 | 3300 | 132 | 3300 | 132 |
| | 30 | 3750 | 125 | 3800 | 127 | 3800 | 127 |
| P14BR-4LPSP-32/3C | 30 | 4000 | 133 | 4100 | 137 | 4100 | 137 |
| | 35 | 4500 | 129 | 4600 | 131 | 4600 | 131 |
| | 40 | 5000 | 125 | 5100 | 128 | 5100 | 128 |

DEFAULT PROGRAMMING

P14BR-1LPS-32/3C - 40W / 4000K

P14BR-2LPS-32/3C - 40W / 4000K

P14BR-4LPS-32/3C - 50W / 4000K

P14BR-1LPSP-32/3C - 30W / 4000K

P14BR-2LPSP-32/3C - 30W / 4000K

P14BR-4LPSP-32/3C - 40W / 4000K

ORDERING GUIDE

| SERIES | SIZE | LAMP TYPE | LUMEN PACKAGE (LM) ¹ | VOLTS (VAC) | COLOR TEMPERATURE (K) ³ | OPTIONS |
|--------|--------------------------------------|-----------|--|--|--|--|
| P14BR | 1- 1'X4' 2- 2'X2' 4- 2'X4' | L | A1 -40 W PS - 20/30/40 W PSP - 20/25/30 W A1 -40 W PS - 20/30/40 W PSP - 20/25/30 W | 32 - 100-347 2 - 100-277 ² | 40K - 4 000 ³ 3C - 3 500, 4 000, 5 000 | ARTXXX - Artwork ⁴ DL - Emergency back up ⁵ EL - BRIDGE ^{5,6} |

¹ See IES files or lumen specification table for more details

² Offered only with DL option

³ 40K offered only with A1 lumen package, 3C offered with PS and PSP lumen packages.

⁴ Customer to supply the artwork, which is a high resolution image of at least 300 DPI or EPS (Vector format)

⁵ Suspended and surface mounting is not available when DL and EL options are selected

⁶ Emergency power conversion module.

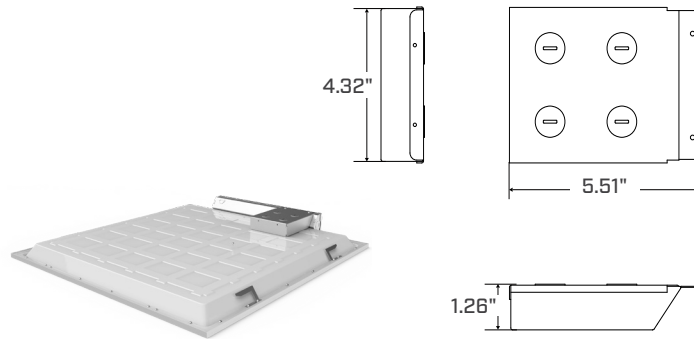
BRIDGE TECHNICAL SPECIFICATION TABLE

| SÉLECTION DEL | WATTS [W] ¹ | BRIDGE WATTS [W] ¹ | 3 500K BRIDGE LUMEN OUTPUT [LM] ² | 4 000K BRIDGE LUMEN OUTPUT [LM] ² | 5 000K BRIDGE LUMEN OUTPUT [LM] ² | |
|---------------|------------------------|-------------------------------|--|--|--|-------|
| 1'X4' | | | | | | |
| 1LA1 | 40 | 11 | - | 1 035 | - | |
| 1LPS | 20 | | 1 067 | 1 111 | 1 111 | |
| | 30 | | 979 | 1 007 | 1 007 | |
| | 40 | | 1 012 | 1 035 | 1 035 | |
| 1LPSP | 20 | | 1 238 | 1 286 | 1 286 | |
| | 25 | | 1 208 | 1 245 | 1 245 | |
| | 30 | | 1 179 | 1 195 | 1 195 | |
| 2'X2' | | | | | | |
| 2LA1 | 40 | | 11 | - | 1 035 | - |
| 2LPS | 20 | | | 1 067 | 1 111 | 1 111 |
| | 30 | 1 077 | | 1 108 | 1 108 | |
| | 40 | 1 011 | | 1 034 | 1 034 | |
| 2LPSP | 20 | 1 182 | | 1 227 | 1 227 | |
| | 25 | 1 153 | | 1 189 | 1 189 | |
| | 30 | 1 126 | | 1 141 | 1 141 | |
| 2'X4' | | | | | | |
| 4LA1 | 40 | 11 | | - | 1 028 | - |
| 4LPS | 20 | | | 1 108 | 1 138 | 1 138 |
| | 30 | | 1 057 | 1 080 | 1 080 | |
| | 40 | | 1 009 | 1 028 | 1 028 | |
| 4LPSP | 20 | | 1 164 | 1 194 | 1 194 | |
| | 25 | | 1 065 | 1 089 | 1 089 | |
| | 30 | | 1 143 | 1 166 | 1 166 | |

P14BR

ACCESSORIES (ORDER SEPARATELY)

| Order code | TYPE | COMPATIBLE WITH |
|--------------|-------------------|-----------------|
| PF-DWK-1X4-A | Drywall Kit | 1X4 |
| PF-DWK-2X2-A | Drywall Kit | 2X2 |
| PF-DWK-2X4-A | Drywall Kit | 2X4 |
| CAS973-1 | Surface Mount Kit | 1X4 |
| CAS973-2 | Surface Mount Kit | 2X2 |
| CAS973-3 | Surface Mount Kit | 2X4 |
| KIT-SUS-CH | Suspension Kit | 1X4, 2X2, 2X4 |
| JB024-BP | Junction box | 1X4, 2X2, 2X4 |

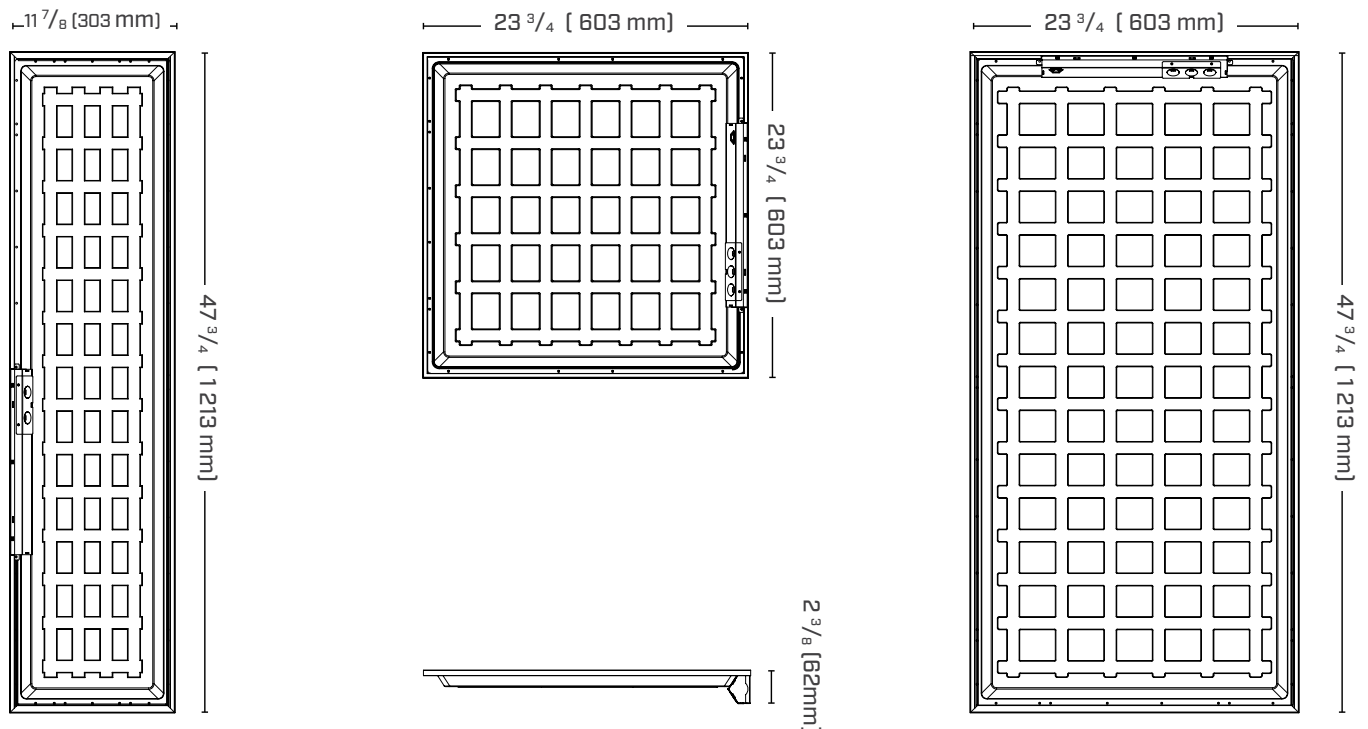


COMPATIBLE DIMMERS

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

NOTE: The above table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. AimLite recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation. Some dimmers may require more than one product for stable operation. The maximum number of products is determined by the dimmer wattage rating with LEDs. Be careful, these dimmers have different ratings depending on the product type. Again, refer to the dimmer installation instructions.

DIMENSIONS

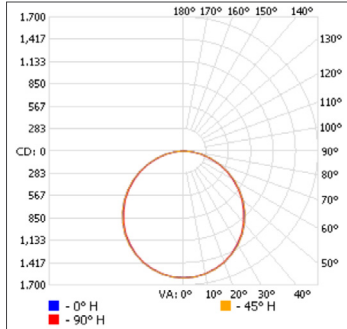


P14BR

PHOTOMETRIC DATA¹

P14BR-1LA1-32/40K • 4 758.3LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % FIXTURE |
|--------|---------|-----------|
| 0-30 | 1 252.7 | 26.3 |
| 0-40 | 2 056.7 | 43.2 |
| 0-60 | 3 662.2 | 77 |
| 60-90 | 1 094.4 | 23 |
| 70-100 | 494.9 | 10.4 |
| 90-120 | 1.7 | 0 |
| 0-90 | 4 756.6 | 100 |
| 90-180 | 1.7 | 0 |
| 0-180 | 4 758.3 | 100 |

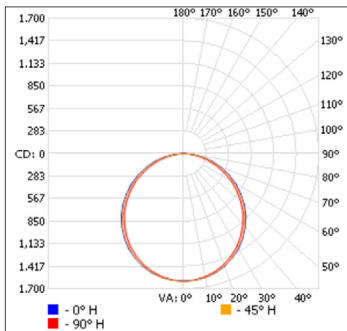
ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | | BEAM WIDTH | |
|----------------|-------|------------|-------|
| 2.0' | 401.6 | 6.2' | 6.1' |
| 4.0' | 100.4 | 12.5' | 12.1' |
| 6.0' | 44.6 | 18.7' | 18.2' |
| 8.0' | 25.1 | 24.9' | 24.2' |
| 10.0' | 16.1 | 31.2' | 30.3' |

■ Vert. Spread: 114.7° ■ Hor. Spread: 113.1°

P14BR-1LPS-32/3C • 40 W • 4 000 K • 4724.9 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % FIXTURE |
|--------|---------|-----------|
| 0-30 | 1 249.5 | 26.4 |
| 0-40 | 2 051.0 | 43.4 |
| 0-60 | 3 649.2 | 77.2 |
| 60-90 | 1 074.4 | 22.7 |
| 70-100 | 480.5 | 10.2 |
| 90-120 | 1.3 | 0 |
| 0-90 | 4 723.7 | 100 |
| 90-180 | 1.3 | 0 |
| 0-180 | 4 724.9 | 100 |

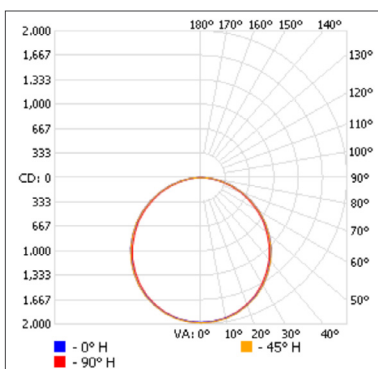
ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | | BEAM WIDTH | |
|----------------|-------|------------|-------|
| 2.0' | 400.9 | 6.4' | 5.8' |
| 4.0' | 100.2 | 12.9' | 11.7' |
| 6.0' | 44.5 | 19.3' | 17.5' |
| 8.0' | 25.1 | 25.7' | 23.3' |
| 10.0' | 16.0 | 32.1' | 29.2' |

■ Vert. Spread: 116.2° ■ Hor. Spread: 111.1°

P14BR-2LA1-32/40K • 5 898.8LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % FIXTURE |
|--------|---------|-----------|
| 0-30 | 1 546.0 | 26.2 |
| 0-40 | 2 539.8 | 43.1 |
| 0-60 | 4 531.4 | 76.8 |
| 60-90 | 1 363.7 | 23.1 |
| 70-100 | 621.1 | 10.5 |
| 90-120 | 3.7 | 0.1 |
| 0-90 | 5 895.1 | 99.9 |
| 90-180 | 3.7 | 0.1 |
| 0-180 | 5 898.8 | 100 |

ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | | BEAM WIDTH | |
|----------------|-------|------------|-------|
| 2.0' | 493.9 | 6.3' | 6.1' |
| 4.0' | 123.5 | 12.7' | 12.2' |
| 6.0' | 54.9 | 19.0' | 18.3' |
| 8.0' | 30.9 | 25.4' | 24.4' |
| 10.0' | 19.8 | 31.7' | 30.5' |

■ Vert. Spread: 115.5° ■ Hor. Spread: 113.4°

¹ Complete IES files available on our website.

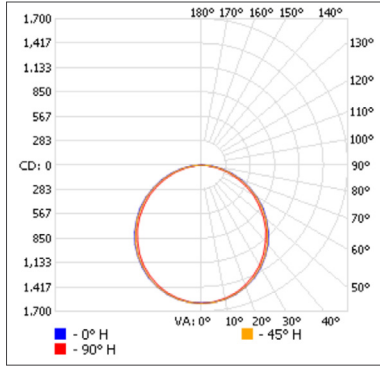
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

P14BR

PHOTOMETRIC DATA

P14BR-2LPS-32/3C • 40 W • 4 000 K • 4707.3 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % FIXTURE |
|--------|---------|-----------|
| 0-30 | 1 250.1 | 26.6 |
| 0-40 | 2 050.5 | 43.6 |
| 0-60 | 3 643.7 | 77.4 |
| 60-90 | 1 062.7 | 22.6 |
| 70-100 | 472.3 | 10 |
| 90-120 | 1.0 | 0 |
| 0-90 | 4 706.4 | 100 |
| 90-180 | 1.0 | 0 |
| 0-180 | 4 707.3 | 100 |

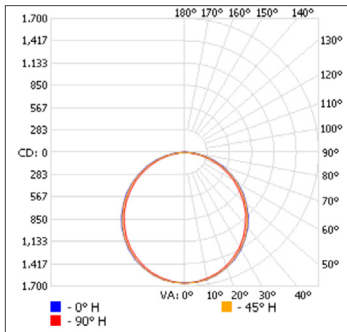
ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | | BEAM WIDTH | |
|----------------|-------|------------|-------|
| 2.0' | 500.1 | 6.1' | 6.1' |
| 4.0' | 125.0 | 12.2' | 12.2' |
| 6.0' | 55.6 | 18.3' | 18.3' |
| 8.0' | 31.3 | 24.3' | 24.4' |
| 10.0' | 20.0 | 30.4' | 30.5' |

■ Vert. Spread: 113.4° ■ Hor. Spread: 113.5°

P14BR-4LA1-32/40K • 4 866.5LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % FIXTURE |
|--------|---------|-----------|
| 0-30 | 1 292.4 | 26.6 |
| 0-40 | 2 119.8 | 43.6 |
| 0-60 | 3 766.8 | 77.4 |
| 60-90 | 1 098.6 | 22.6 |
| 70-100 | 488.3 | 10 |
| 90-120 | 1.0 | 0 |
| 0-90 | 4 866.5 | 100 |
| 90-180 | 1.0 | 0 |
| 0-180 | 4 866.5 | 100 |

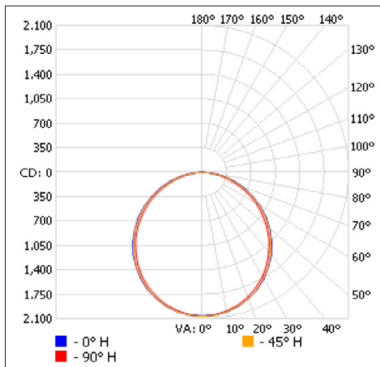
ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | | BEAM WIDTH | |
|----------------|-------|------------|-------|
| 2.0' | 414.9 | 6.3' | 5.8' |
| 4.0' | 103.7 | 12.7' | 11.7' |
| 6.0' | 46.1 | 19.0' | 17.5' |
| 8.0' | 25.9 | 25.4' | 23.4' |
| 10.0' | 16.6 | 31.7' | 29.2' |

■ Vert. Spread: 115.5° ■ Hor. Spread: 111.2°

P14BR-4LPS-32/3C • 50 W • 4 000 K • 6038.1 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % FIXTURE |
|--------|---------|-----------|
| 0-30 | 1 603.5 | 26.6 |
| 0-40 | 2 630.2 | 43.6 |
| 0-60 | 4 673.7 | 77.4 |
| 60-90 | 1 363.4 | 22.6 |
| 70-100 | 605.8 | 10 |
| 90-120 | 1.2 | 0 |
| 0-90 | 6 036.9 | 100 |
| 90-180 | 1.2 | 0 |
| 0-180 | 6 038.1 | 100 |

ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | | BEAM WIDTH | |
|----------------|-------|------------|-------|
| 2.0' | 514.8 | 6.3' | 5.8' |
| 4.0' | 128.7 | 12.7' | 11.7' |
| 6.0' | 57.2 | 19.0' | 17.5' |
| 8.0' | 32.2 | 25.4' | 23.4' |
| 10.0' | 20.6 | 31.7' | 29.2' |

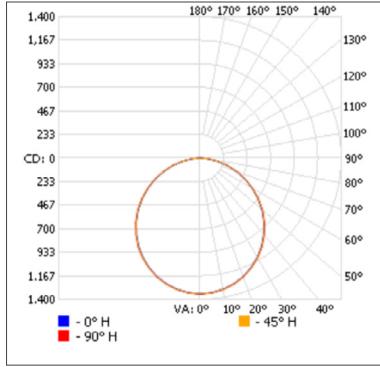
■ Vert. Spread: 115.5° ■ Hor. Spread: 111.2°

P14BR

PHOTOMETRIC DATA

P14BR-1LPSP-32/3C • 30 W • 4 000 K • 3903 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % FIXTURE |
|--------|---------|-----------|
| 0-30 | 1 042.5 | 26.7 |
| 0-40 | 1 708.6 | 43.8 |
| 0-60 | 3 029.5 | 77.6 |
| 60-90 | 872.8 | 22.4 |
| 70-100 | 386.4 | 9.9 |
| 90-120 | 1.4 | 0 |
| 0-90 | 3 902.3 | 100 |
| 90-180 | 1.4 | 0 |
| 0-180 | 3 903.7 | 100 |

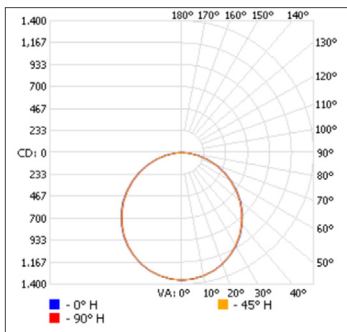
ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | BEAM WIDTH |
|----------------|-------------|
| 2.0' | 6.0' 6.1' |
| 4.0' | 12.0' 12.2' |
| 6.0' | 18.0' 18.3' |
| 8.0' | 24.0' 24.4' |
| 10.0' | 30.0' 30.4' |

■ Vert. Spread: 112.6° ■ Hor. Spread: 113.4°

P14BR-2LPSP-32/3C • 30 W • 4 000 K • 3919 lm

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % FIXTURE |
|--------|---------|-----------|
| 0-30 | 1 051.6 | 26.8 |
| 0-40 | 1 722.5 | 43.9 |
| 0-60 | 3 051.1 | 77.8 |
| 60-90 | 868.0 | 22.1 |
| 70-100 | 380.3 | 9.7 |
| 90-120 | 0.5 | 0 |
| 0-90 | 3 919.1 | 100 |
| 90-180 | 0.5 | 0 |
| 0-180 | 3 919.6 | 100 |

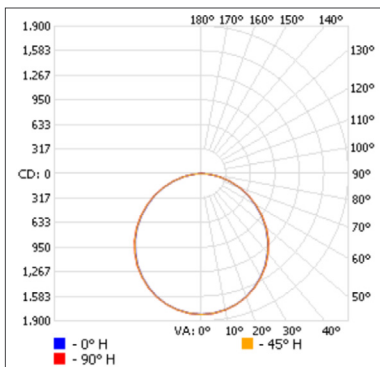
ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | BEAM WIDTH |
|----------------|-------------|
| 2.0' | 6.1' 5.9' |
| 4.0' | 12.1' 11.9' |
| 6.0' | 18.2' 17.8' |
| 8.0' | 24.3' 23.8' |
| 10.0' | 30.3' 29.7' |

■ Vert. Spread: 113.2° ■ Hor. Spread: 112.2°

P14BR-4LPSP-32/3C • 40 W • 4 000 K • 5279 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % FIXTURE |
|--------|---------|-----------|
| 0-30 | 1 603.5 | 26.6 |
| 0-40 | 2 630.2 | 43.6 |
| 0-60 | 4 673.7 | 77.4 |
| 60-90 | 1 363.4 | 22.6 |
| 70-100 | 605.8 | 10 |
| 90-120 | 1.2 | 0 |
| 0-90 | 6 036.9 | 100 |
| 90-180 | 1.2 | 0 |
| 0-180 | 6 038.1 | 100 |

ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | BEAM WIDTH |
|----------------|-------------|
| 2.0' | 6.0' 6.1' |
| 4.0' | 12.0' 12.2' |
| 6.0' | 18.0' 18.4' |
| 8.0' | 24.0' 24.5' |
| 10.0' | 30.0' 30.6' |

■ Vert. Spread: 112.7° ■ Hor. Spread: 113.7°