

# W20T

## LED ADJUSTABLE WALL PACK

### 3 CCT AND 2 POWER SELECTABLE

### INTEGRATED PHOTOCELL



The W20T adjustable wall pack series is built with a modern design which includes a 0° to 90° field adjustable angle dial allowing for a flexible installation to suit any outdoor perimeter, building entrances or walkways application. This luminaire has an integrated photocell and features the latest in LED technology such as allowing the user to control the color temperature and power by using the internal field adjustable integrated switches.

## FEATURES & SPECIFICATIONS

### CONSTRUCTION

#### Housing

- This luminaire is made out of aluminum die cast and comes in a bronze powder coat finish
- The housing has 4 conduit entries of 1/2" on each side

- Each model has an integrated button type photocell that can be easily turned off
- 0° to 90° field adjustable angle dial

#### Lens

Each luminaire is outfitted with a clear polycarbonate lens

### ELECTRICAL

- Color temperature 3 000/4 000/5 000 K, default setting 4 000 K
- Multi Volt: 120-347 V
- Ambient temperature: -40 °C to 50 °C
- Estimated lifespan of 50 000 hours to L70
- 0-10 V dimming
- 6 kV surge protection

### COMPLIANCES

- Wet location
- IP65
- IK07
- Meets requirements of ICES-005 5 for class B products
- cULus

| OVERVIEW          |                |                       |                   |
|-------------------|----------------|-----------------------|-------------------|
| LIGHT SOURCE      | LED            | EFFICIENCY (LM/W)     | 121 - 140         |
| WATTS (W)         | 15/30          | COLOR TEMPERATURE (K) | 3 000/4 000/5 000 |
|                   | 50/80          | CRI                   | 70+               |
| LUMEN OUTPUT (LM) | 1 950 - 10 429 | WEIGHT (LBS)          | 2.99 - 4.85       |

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

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.

# W20T

## QUICK SHIP ORDERING GUIDE



| PART NUMBER   | DLC UNIQUE ID | WATTS [W] | VOLTS [V] | COLOR TEMP. [K] | LUMEN OUTPUT [LM] <sup>1</sup> | EFFICIENCY [LM/W] | CRI | LIFE L70 [HRS] | BEAM ANGLE [°] | FINISH | DIMMING | PF    | THD [%] | TRADITIONAL EQUIVALENT [W] |         | CASE QTY [MASTER] |
|---|---------------|-----------|-----------|-----------------|--------------------------------|-------------------|-----|----------------|----------------|--------|---------|-------|---------|----------------------------|---------|-------------------|
|   |               |           |           |                 |                                |                   |     |                |                |        |         |       |         | MH                         | HPS     |                   |
| <b>CCT AND POWER SELECTABLE WITH INTEGRATED PHOTOCELL<sup>2</sup></b> |               |           |           |                 |                                |                   |     |                |                |        |         |       |         |                            |         |                   |
| W20T-PS30A-323C8RP  | PG3AR9MP      | 15/30     | 120-347   | 3000/4000/5000  | 2 100-3 925                    | 137-140           | 70+ | 50 000         | 90X110         | BRONZE | YES     | ≥0.90 | ≤20     | 70-150                     | 70-100  | 8                 |
| W20T-PS80A-323C8RP  | PLLQSPK       | 50/80     | 120-347   | 3000/4000/5000  | 7 000-10 392                   | 139-140           | 70+ | 50 000         | 90X110         | BRONZE | YES     | ≥0.90 | ≤20     | 175-400                    | 150-250 | 4                 |

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.

<sup>1</sup>Lumen values are based on 4 000 K default settings. Please refer to Quick Ship Technical Specification Table for more details on other color temperatures.

<sup>2</sup>Integrated ON/OFF photocell that can be easily disabled.

## ORDERING GUIDE



| SERIES | LUMEN PACKAGE [W]              | VOLTS [V]    | COLOR TEMP. [K]        | CASTING COLOR                     | MANDATORY OPTIONS            | OPTIONS   |
|--------|--------------------------------|--------------|------------------------|-----------------------------------|------------------------------|---|
| W20T   | PS30A - 15/30<br>PS80A - 50/80 | 32 - 120-347 | 3C - 3 000/4 000/5 000 | BR - BRONZE<br>SP - SPECIAL COLOR | P - BUTTON TYPE<br>PHOTOCELL | KV - 10 KV<br>OSI <sup>1</sup> - WHITE OCCUPANCY SENSOR |

<sup>1</sup>This occupancy sensor is external and available in a bronze and white finish

## QUICK SHIP TECHNICAL SPECIFICATION TABLE

| PART NUMBER        | WATTS [W] | 3 000 K           |                   |                  | 4 000 K           |                   |                  | 5 000 K           |                   |                  |
|--------------------|-----------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|
|                    |           | LUMEN OUTPUT [LM] | EFFICIENCY [LM/W] | LED CURRENT [MA] | LUMEN OUTPUT [LM] | EFFICIENCY [LM/W] | LED CURRENT [MA] | LUMEN OUTPUT [LM] | EFFICIENCY [LM/W] | LED CURRENT [MA] |
| W20T-PS30A-323C8RP | 15        | 1 950             | 130               | 0.14             | 2 100             | 140               | 0.14             | 2 025             | 135               | 0.14             |
|                    | 30        | 3 616             | 121               | 0.28             | 3 925             | 137               | 0.28             | 3 919             | 131               | 0.28             |
| W20T-PS80A-323C8RP | 50        | 6 500             | 130               | 0.46             | 7 000             | 140               | 0.46             | 6 750             | 135               | 0.46             |
|                    | 80        | 9 625             | 129               | 0.75             | 10 392            | 139               | 0.75             | 10 429            | 134               | 0.75             |

## COMPATIBLE DIMMERS

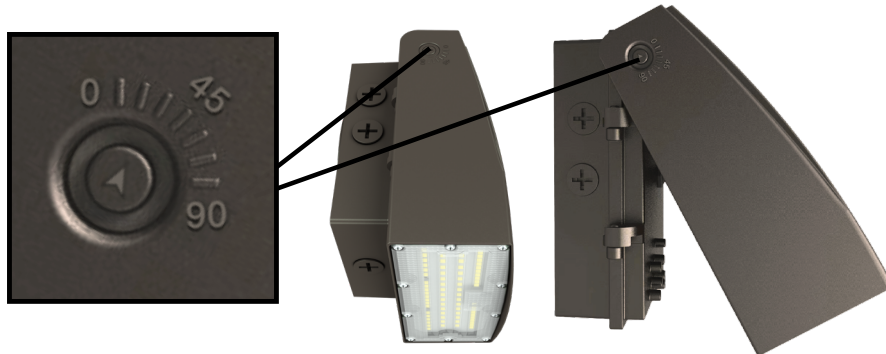
| BRAND   | MODEL NUMBER |
|---------|--------------|
| LEVITON | DS710        |
| LEVITON | IP710        |
| LUTRON  | NTSTV-DV     |
| LUTRON  | NFTV         |
| LUTRON  | DVTV-WH      |
| HARMONY | H4FBL3PW     |

Dimming range: 10%-100%

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.

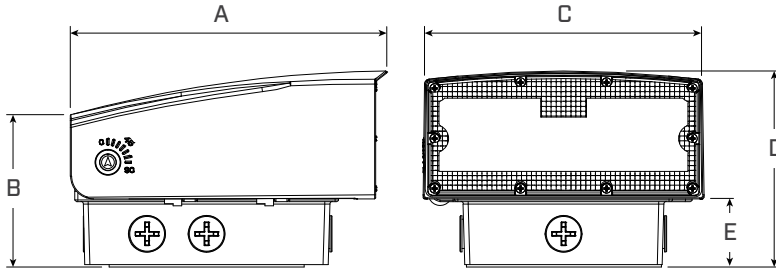
## ADJUSTABLE ANGLE DIAL

0° TO 90° FIELD ADJUSTABLE ANGLE DIAL

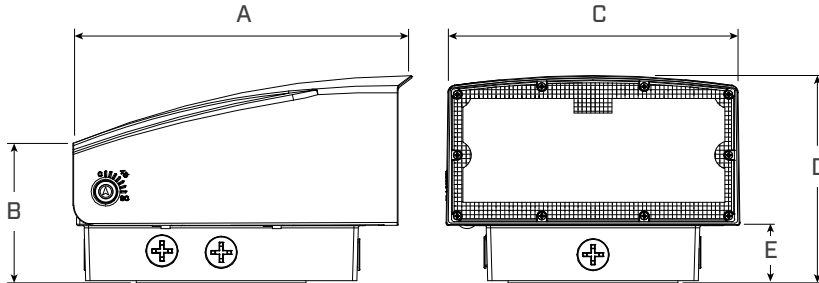


## DIMENSIONS

### W20T-PS30A-323CBRP



### W20T-PS80A-323CBRP

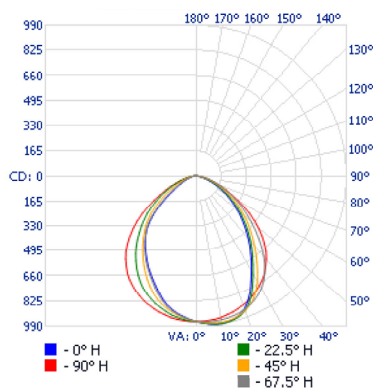


|            | W20T-PS30A-323CBRP | W20T-PS80A-323CBRP |
|------------|--------------------|--------------------|
| A in. [cm] | 7.36 [18.7]        | 9.17 [23.3]        |
| B in. [cm] | 3.62 [9.2]         | 3.78 [9.6]         |
| C in. [cm] | 6.42 [16.3]        | 7.68 [19.5]        |
| D in. [cm] | 4.21 [10.7]        | 5.16 [13.1]        |
| E in. [cm] | 1.54 [3.9]         | 1.54 [3.9]         |

## PHOTOMETRIC DATA<sup>1</sup>

W20T-PS30A-323CBRP • 15 W • 4 000 K • 2 099 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS  | % FIXTURE |
|--------|---------|-----------|
| 0-30   | 729.5   | 34.8%     |
| 0-40   | 1 152.1 | 54.9%     |
| 0-60   | 1 835.1 | 87.4%     |
| 60-90  | 258.1   | 12.3%     |
| 70-100 | 87.4    | 4.2%      |
| 90-120 | 1.2     | 0.1%      |
| 0-90   | 2 093.3 | 99.7%     |
| 90-180 | 5.7     | 0.3%      |
| 0-180  | 2 099.0 | 100%      |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | BEAM WIDTH |        |
|----------------|------|------------|--------|
| 8.3'           | 13.9 | 14.9'      | 20'    |
| 16.7'          | 3.44 | 29.9'      | 40.3'  |
| 25'            | 1.54 | 44.8'      | 60.4'  |
| 33.3'          | 0.87 | 59.6'      | 80.4'  |
| 41.7'          | 0.55 | 74.7'      | 100.7' |
| 50'            | 0.38 | 89.5'      | 120.8' |

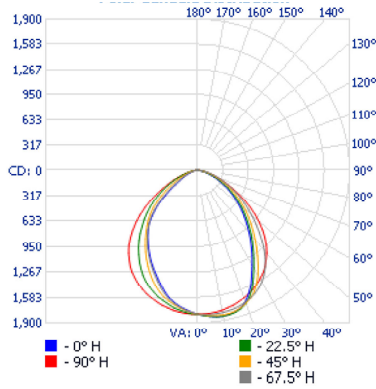
■ Vert. Spread: 83.7° ■ Hor. Spread: 100.7°

<sup>1</sup> Complete IES files available on our website.

## PHOTOMETRIC DATA<sup>1</sup>

W20T-PS30A-323CBRP • 30 W • 4 000 K • 3 923 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS  | % FIXTURE |
|--------|---------|-----------|
| 0-30   | 1 363.4 | 34.8%     |
| 0-40   | 2 153.3 | 54.9%     |
| 0-60   | 3 430.0 | 87.4%     |
| 60-90  | 482.4   | 12.3%     |
| 70-100 | 163.3   | 4.2%      |
| 90-120 | 2.3     | 0.1%      |
| 0-90   | 3 912.4 | 99.7%     |
| 90-180 | 10.7    | 0.3%      |
| 0-180  | 3 923.1 | 100%      |

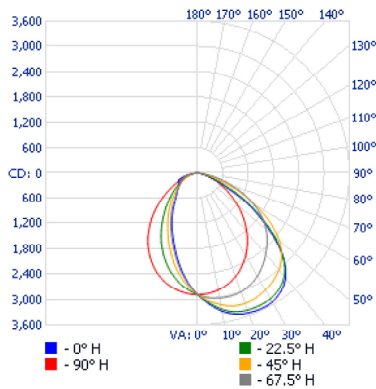
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | BEAM WIDTH |        |
|----------------|------|------------|--------|
| 8.3'           | 26   | 14.9'      | 20'    |
| 16.7'          | 6.43 | 29.9'      | 40.3'  |
| 25'            | 2.87 | 44.8'      | 60.4'  |
| 33.3'          | 1.62 | 59.6'      | 80.4'  |
| 41.7'          | 1.03 | 74.7'      | 100.7' |
| 50'            | 0.72 | 89.5'      | 120.8' |

■ Vert. Spread: 83.7° ■ Hor. Spread: 100.7°

W20T-PS80A-323CBRP • 50 W • 4 000 K • 6 997 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS  | % FIXTURE |
|--------|---------|-----------|
| 0-30   | 2 181.9 | 31.2%     |
| 0-40   | 3 524.6 | 50.4%     |
| 0-60   | 5 938.3 | 84.9%     |
| 60-90  | 1 024.1 | 14.6%     |
| 70-100 | 365.4   | 5.2%      |
| 90-120 | 14.5    | 0.2%      |
| 0-90   | 6 962.4 | 99.5%     |
| 90-180 | 35.1    | 0.5%      |
| 0-180  | 6 997.4 | 100%      |

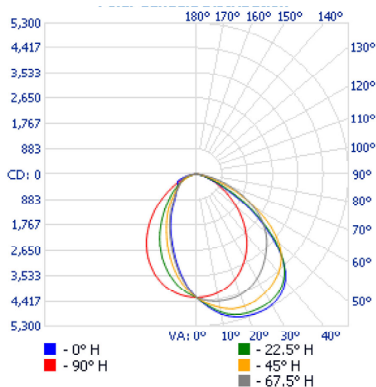
### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | BEAM WIDTH |        |
|----------------|------|------------|--------|
| 8.3'           | 42   | 12.3'      | 20'    |
| 16.7'          | 10.4 | 24.8'      | 40.3'  |
| 25'            | 4.63 | 37.1'      | 60.3'  |
| 33.3'          | 2.61 | 49.4'      | 80.3'  |
| 41.7'          | 1.66 | 61.8'      | 100.5' |
| 50'            | 1.16 | 74.2'      | 120.5' |

■ Vert. Spread: 73.1° ■ Hor. Spread: 100.6°

W20T-PS80A-323CBRP • 80 W • 4 000 K • 10 388 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE   | LUMENS   | % FIXTURE |
|--------|----------|-----------|
| 0-30   | 3 239.1  | 31.2%     |
| 0-40   | 5 232.5  | 50.4%     |
| 0-60   | 8 815.8  | 84.9%     |
| 60-90  | 1 520.3  | 14.6%     |
| 70-100 | 542.4    | 5.2%      |
| 90-120 | 21.5     | 0.2%      |
| 0-90   | 10 336.1 | 99.5%     |
| 90-180 | 52.0     | 0.5%      |
| 0-180  | 10 388.2 | 100%      |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | BEAM WIDTH |        |
|----------------|------|------------|--------|
| 8.3'           | 62.3 | 12.3'      | 20'    |
| 16.7'          | 15.4 | 24.8'      | 40.3'  |
| 25'            | 6.87 | 37.1'      | 60.3'  |
| 33.3'          | 2.87 | 49.4'      | 80.3'  |
| 41.7'          | 2.47 | 61.8'      | 100.5' |
| 50'            | 1.72 | 74.2'      | 120.5' |

■ Vert. Spread: 73.1° ■ Hor. Spread: 100.6°

<sup>1</sup> Complete IES files available on our website.