

W16S GEN 4 CLASSIC WALL PACK

SELECTABLE COLOR TEMPERATURE (3 000/4 000/5 000 K)
 INTEGRATED PHOTOCELL
 MULTI-VOLTAGE (120-347 V)



This wall pack series is a classic and familiar design integrated with modern LED technology to promote better energy efficiency and long life. It is best suited for entrances, underpasses or anywhere controlled

security lighting is required, the series luminaire is a great addition to any commercial or industrial outdoor wall mount application. The tough die cast aluminum housing is moisture and dustproof.

FEATURES & SPECIFICATIONS

CONSTRUCTION

Housing

- This luminaire is made of aluminum die cast and comes standard in a bronze powder coat finish.
- The housing has four conduit entries of 1/2" on each sides and some of the configurations comes with a button type photocell that can be turned off by using the internal switch if needed.¹

Lens

Prismatic tempered glass lens is standard in this product series.

ELECTRICAL

- The drivers allows an input voltage from 120-347 V 50/60 Hz and are 0-10 V dimmable. They are coming with an onboard surge protection:
 - NS120: 4kV standard

- This wall pack series is suitable for ambient temperature range of -40°C to 50°C.
- The color temperature of the fixture is set by default at 4 000 K and can be changed in the field.

COMPLIANCES

- Wet location
- IP65
- Meets requirements of ICES-005 issue 5 for class B products
- cULus
- IK06

| OVERVIEW | | | |
|--------------------|-----------------|-----------------------|-------------------|
| LIGHT SOURCE | LED | EFFICIENCY (LM/W) | 137 - 144 |
| WATTS (W) | 120 | COLOR TEMPERATURE (K) | 3 000/4 000/5 000 |
| LUMENS OUTPUT (LM) | 16 943 - 17 885 | CRI | > 80 |

WARRANTY
5 YEAR
WARRANTY

QUICKSHIP

LED

CCT
SELECTABLE

WET
LOCATION

DIMMABLE

65
IP
RATING

ICES
005

IK06
IMPACT
RESISTANCE

UL
CERTIFIED

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.

W16S GEN 4

QUICK SHIP ORDERING GUIDE



| PART NO | UNIQUE DLC ID | WATTS (W) | VOLTS (V) | COLOR TEMP. (K) | LUMEN OUTPUT (LM) | EFFICIENCY (LM/W) | PHOTOCELL ¹ | CRI | LIFE L70 (HRS) | TESTED HOURS LM-80 (HRS) | CALCULATED TM21 (HRS) | FINISH | DIMMING | LED CURRENT (MA) | PF | THD (%) | CASE QTY (MASTER) | |
|--|---------------|-----------|-----------|-------------------|-------------------|-------------------|------------------------|-----|----------------|--------------------------|-----------------------|--------|---------|------------------|------|---------|-------------------|--|
| SINGLE POWER, CCT SELECT AND INTEGRATED PHOTOCELL¹ | | | | | | | | | | | | | | | | | | |
| W16S-NS120-32-3C | PLKL8U1W9E6H | 120 | 120-347 | 3 000/4 000/5 000 | 16 943 | 137 | YES | >80 | 54 000 | 9 000 | 173 600 | BRONZE | YES | 2 600 | ≥0.9 | ≤20 | 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.

¹Integrated ON/OFF photocell that can be easily disabled.

²Lumen values are based on 4 000 K default settings. Please refer to Quick ship Technical Specification Table for more details on other color temperatures.

ACCESSORIES (ORDER SEPARATELY)

| PART NO | DESCRIPTION |
|---------|----------------------------|
| HAR1108 | 18" BRONZE METAL BACKPLATE |
| GS004 | BRONZE GLARESHIELD |
| WGD908 | STAINLESS STEEL WIREGUARD |



ORDERING GUIDE

| SERIES | LUMEN PACKAGE [W] | VOLTS [V] | COLOR TEMP. | HOUSING COLOR | OPTIONS |
|--------|-------------------|--------------|------------------------|--|--|
| W16S | NS120 - 120 | 32 - 120-347 | 3C - 3 000/4 000/5 000 | BR - BRONZE (STANDARD) SP - SPECIAL COLOR | KV - 10 KV SURGE PROTECTION PC - POLYCARBONATE LENS |

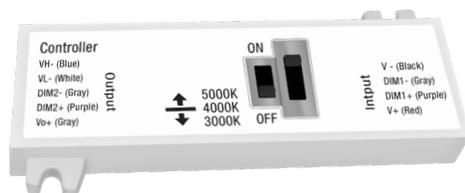
QUICK SHIP TECHNICAL SPECIFICATION TABLE

| PART NO | WATTS [W] | 3 000 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] |
| W16S-NS120-32-3C | 120 | 16 943 | 137 | 17 885 | 147 | 17 810 | 144 |

DEFAULT PROGRAMMING

W16S-NS120-32-3C: 120 W / 4 000 K

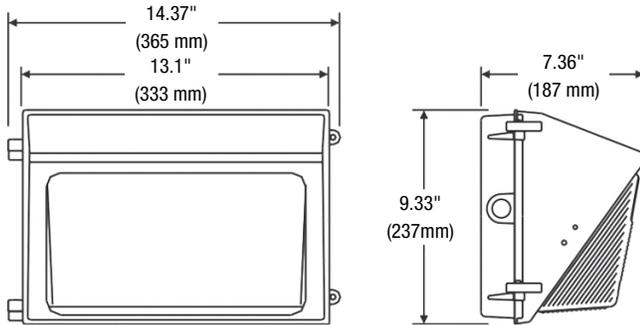
SELECTABLE COLOR TEMPERATURE AND ON/OFF INTEGRATED PHOTOCELL¹



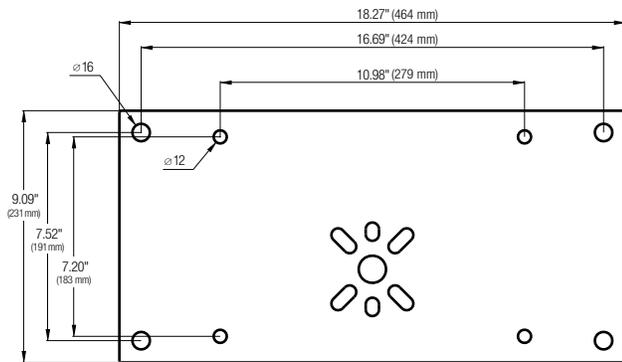
¹Integrated photocell, multi-volt driver, CCT and Power selectable on some configurations. Consult Quick ship and technical specification table for more details.

W16S GEN 4

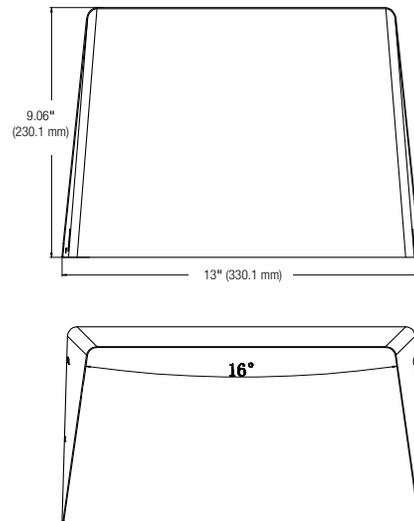
DIMENSIONS



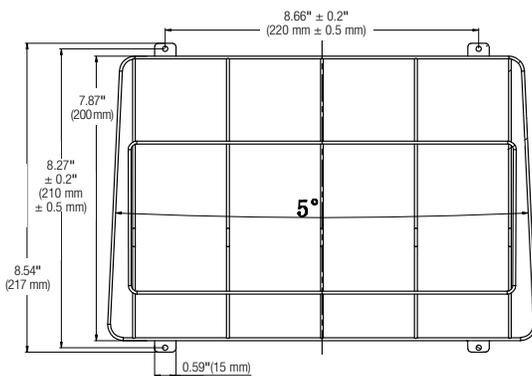
BLACKPLATE



GLARESHIELD



WIREGUARD

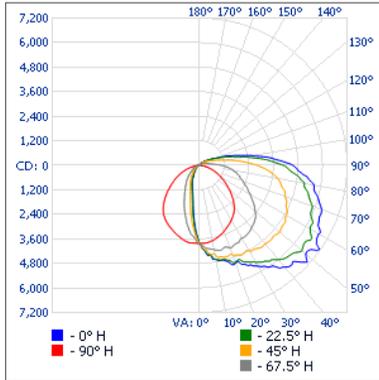


W16S GEN 4

PHOTOMETRIC DATA¹

W16S-NS120-32-3C · 17 344.7 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % FIXTURE |
|--------|----------|-----------|
| 0-30 | 2 676.5 | 15.4% |
| 0-40 | 4 514.6 | 26% |
| 0-60 | 9 031.9 | 52.1% |
| 60-90 | 6 039.4 | 34.8% |
| 70-100 | 4 898.9 | 28.2% |
| 90-120 | 1 974.9 | 11.4% |
| 0-90 | 15 071.3 | 86.9% |
| 90-180 | 2 273.4 | 13.1% |
| 0-180 | 17 344.7 | 100% |

ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC | | BEAM WIDTH | |
|----------------|------|------------|--------|
| 8.3' | 55.7 | 18.7' | 19.8' |
| 16.7' | 13.8 | 37.7' | 39.8' |
| 25.0' | 6.14 | 56.4' | 59.6' |
| 33.3' | 3.46 | 75.1' | 79.4' |
| 41.7' | 2.21 | 94.0' | 99.4' |
| 50.0' | 1.54 | 112.8' | 119.4' |

■ Vert. Spread: 96.9°
 ■ Hor. Spread: 100.0°

¹ Complete IES files available on our website.