

|                             |       |
|-----------------------------|-------|
| Project:                    |       |
| Location:                   |       |
| Model#: ARWP8030KBT2-UN4-BZ | Type: |
| Client:                     | Qty:  |
| Prepared by:                | Date: |

## SERIES SPECIFICATIONS

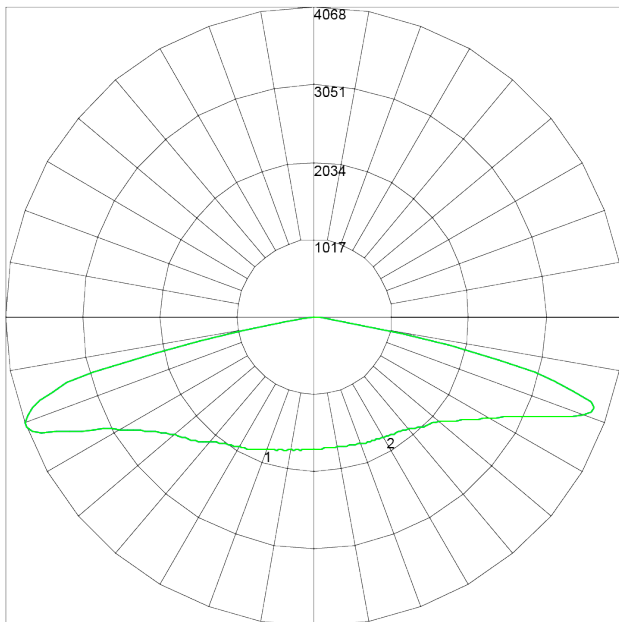


To supply TamLite ARWP series of LED fixtures as specified. The luminaire shall operate at 347Vac and use a 1-10V dimmable, constant current type Inventronics driver. The housing shall be constructed of die cast Aluminium finished with a textured powder coat over a chromate conversion coat. All hardware to be stainless steel. Bottom access wiring compartment to be hinged and sealed with a durable formed gasket. Optics to be constructed of Acrylic and be sealed via captive gasket. LED's shall be as specified NICHIA® NVSL219B with a 3 step SDCM colour tolerance. Fixture shall be cULus Listed.



## PERFORMANCE SPECIFICATIONS

### Luminance Distribution Chart

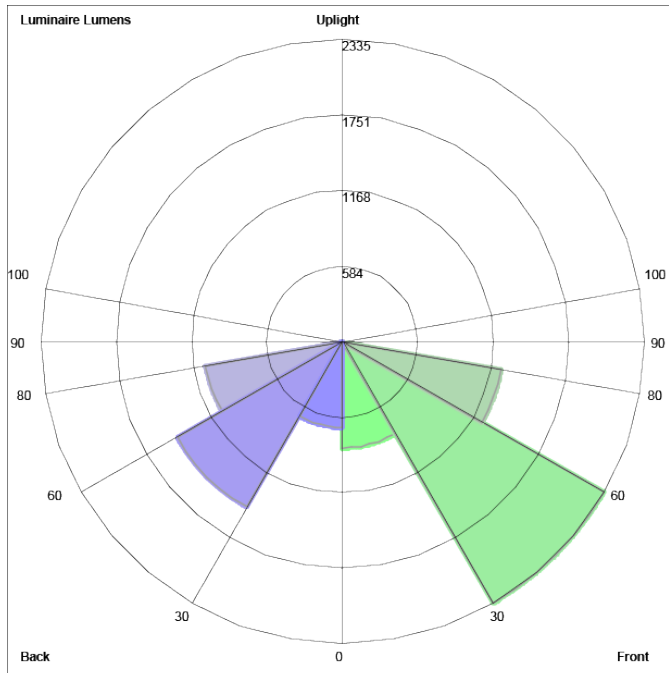


Maximum Candela = 4068.02 Located At Horizontal Angle = 270, Vertical Angle = 69  
 # 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)



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### BUG Graph



### LUMINAIRE CLASSIFICATION SYSTEM (LCS)

|                               | Lumens   | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30)         | 821.7    | N.A.   | 10.7        |
| FM - Front-Medium (30-60)     | 2335.0   | N.A.   | 30.5        |
| FH - Front-High (60-80)       | 1247.7   | N.A.   | 16.3        |
| FVH - Front-Very High (80-90) | 5.5      | N.A.   | 0.1         |
| BL - Back-Low (0-30)          | 662.2    | N.A.   | 8.7         |
| BM - Back-Medium (30-60)      | 1477.9   | N.A.   | 19.3        |
| BH - Back-High (60-80)        | 1073.1   | N.A.   | 14.0        |
| BVH - Back-Very High (80-90)  | 21.3     | N.A.   | 0.3         |
| UL - Uplight-Low (90-100)     | 0.0      | N.A.   | 0.0         |
| UH - Uplight-High (100-180)   | 0.0      | N.A.   | 0.0         |
| Total                         | 7644.4   | N.A.   | 100.0       |
| BUG Rating                    | B3-U0-G3 |        |             |

Luminaire Lumens:  
Front: Low=821.7, Medium= 2335.0, High=1247.7, Very High=5.5  
Back: Low=662.2, Medium=1477.9, High=1073.1, Very High=21.3  
Uplight: Low=0.0, High=0.0

**Initial Lumen Output:** 7664

**Environmental Rating(s):** IP66

**Certification Standards:** UL Safety US-CA

**Efficacy:** 106 lm/W

**UL Classification:** Wet Location Listed

**CCN Number:** IFAM7.E359675

**Luminaire Type:** Type II - Medium

**Ambient Operating Temp:** -40C to +40C

**Limited Product Warranty:** 10 Year(s)

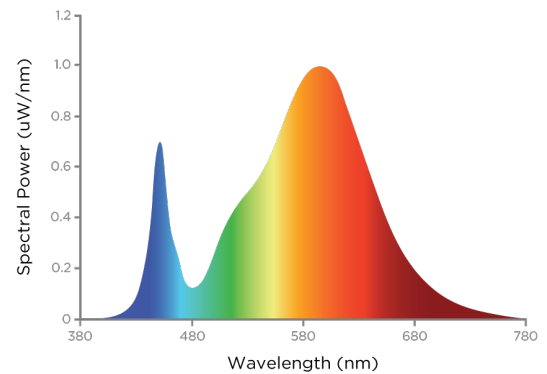
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## LED SPECIFICATIONS

### R Tables

|    |    |     |    |
|----|----|-----|----|
| R1 | 73 | R9  | 0  |
| R2 | 77 | R10 | 46 |
| R3 | 80 | R11 | 76 |
| R4 | 76 | R12 | 50 |
| R5 | 74 | R13 | 73 |
| R6 | 70 | R14 | 89 |
| R7 | 80 | R15 | 67 |
| R8 | 61 | --  | -- |

### SPD



**Source Type:** LED  
**CRI:** >70  
**Chromaticity:** x=0.4370 y=0.4041

**Manufacturer:** Nichia®  
**L70:** 60000 Hrs.  
**Colour Tolerance:** 3 SDCM

**Part Number:** NVSW219  
**Colour Temperature:** 3000K  
**Duv:** 0.0018

## ELECTRICAL SPECIFICATIONS

**Driver Manufacturer:** Inventronics®  
**Fixture Draw:** 72.96W  
**Max On-Delay:** < 1S  
**THD at 347Vac(%):** < 15%  
**Dimming:** 0-10Vdc, (0% Min Light Level)  
**Driver Certifications:** c-RU-us Class 2, FCC Part 15 Class B, RoHS

**Input Voltage:** 347Vac  
**Current Draw at 347Vac:** 0.2103A  
**Auxiliary Control:** 12Vdc  
**Driver MTBF:** 116,000 hrs  
**Over Temperature Protection:** Decreases output current, returning to normal after over temperature is removed.

**Input Frequency:** 50/60 hz  
**Inrush Current:** 0.32A2S  
**Power Factor at 347Vac:** > 0.90  
**Max Operating Case Temperature:** 90C  
**Short Circuit Protection:** Auto Recovery. The output shall return to normal when the fault condition is removed.

## PHYSICAL SPECIFICATIONS

**Finish Colour:** Bronze (RAL-8019)  
**Mounting:** Vertical Wall Surface  
**Lens Type:** Clear

**Finish Type:** Polyester powder coat over a chromate finish  
**Housing Material:** ADC12 Aluminium  
**Entries:** Gasketed Wire Entry

**Wiring:** Gasketed Wire Entries  
**Lens Material:** PMMA

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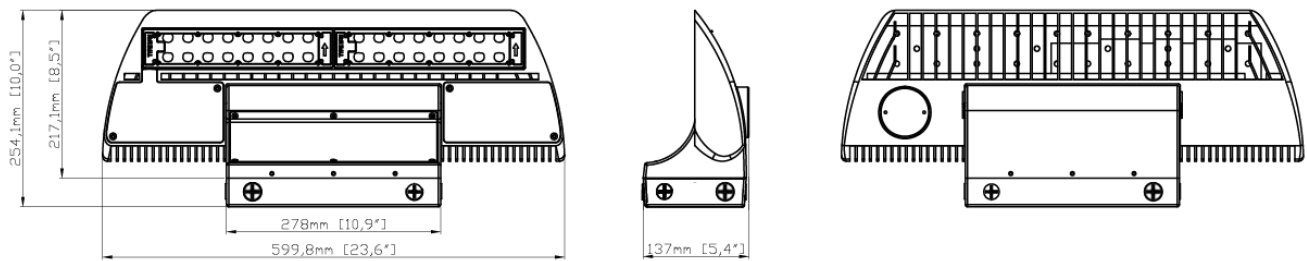
## SHIPPING INFORMATION

OrderingCode(s): ARWP8050KBT4-UNV-WH ARWP-BB-M

Box Quantity: 1

## LINE DRAWING

### Line Drawings



## SERIES ARCHITECTURE

### Series Architecture

| ARWP- |          |           |                  |                                     |                |           |             |                                        |  |
|-------|----------|-----------|------------------|-------------------------------------|----------------|-----------|-------------|----------------------------------------|--|
| Part  | Wattage  | CCT       | Mounting         | Optics                              | Voltage        | Finish    | Accessories |                                        |  |
| ARWP  | 20 20W   | 30k 3000K | Blank Wall Mount | T2 Type II                          | UNV 120-277VAC | BZ Bronze | BBS         | Back Box Small                         |  |
|       | 40 40W   | 40k 4000K | B Back Box       | T2H Type II with House Side Shield  | UN4 347VAC     | BK Black  | BBM         | Back Box Medium                        |  |
|       | 80 80W   | 50k 5000K |                  | T3 Type III                         |                | WH White  | AR-N3PC-UNV | NEMA 3 Socket                          |  |
|       | 120 120W | AM Amber  |                  | T3H Type III with House Side Shield |                | CC Custom | AR-N3PC-UN4 | NEMA 7 Socket                          |  |
|       |          |           |                  | T4 Type IV                          |                |           | O           | Occupancy Sensor                       |  |
|       |          |           |                  | T4H Type IV with House Side Shield  |                |           | FSIR-100    | Programing Remote for Occupancy Sensor |  |
|       |          |           |                  | T5 Type V                           |                |           |             |                                        |  |
|       |          |           |                  | T5H Type V with House Side Shield   |                |           |             |                                        |  |

Optional Extras: AR-N7S, AR-N3PC-UN4