



## Product Specification

Document No.:

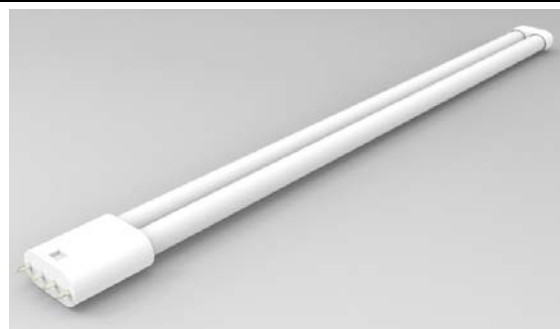
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model no. **PLT-50368, PLT-50369, PLT-50370, PLT-50371, PLT-50372**

### 1. DESCRIPTION:

|                  |                               |
|------------------|-------------------------------|
| LAMP TYPE:       | PLL                           |
| LAMP CLASSIFIED: | Type B, Gen2                  |
| BASE TYPE:       | 2G11                          |
| EQUIVALENT       | /                             |
| WATTAGE:         | 9W                            |
| CCT:             | 3000K,3500K,4000K,5000K,6500K |
| DIFFUSER TYPE:   | PET Coating                   |
| WARRANTY:        | 5 YEARS                       |



Suitable for dry and damp locations  
Suitable for open fixtures  
Horizontal burn position

### 2. PRODUCT FEATURES

Replacement for conventional fluorescent lamp  
Direct wire, 120-277Vac input  
UL (RC and Classified)  
Environmentally friendly: no mercury

### 3. PERFORMANCE (If no specified, the test conditions in below items are: Ta=25°C±1°C, RH≤65%, air free.)

#### 3.1 Electrical Characteristics

| PARAMETERS         | SYMBOL | MIN          | RATED   | MAX  | UNIT | Test Condition |
|--------------------|--------|--------------|---------|------|------|----------------|
| Input voltage      | Vin    | --           | 120/277 | --   | V    | /              |
| Frequency          | f      | --           | 50/60   | --   | Hz   | /              |
| Rated system power | P      | -10%         | 9.0     | +10% | W    | Vin=120,277Vac |
| Power factor       | PF     | 0.9          |         | --   | /    | Vin=120,277Vac |
| Total Harmonic     | THD    | --           | 20%     | +5%  | /    | Vin=120,277Vac |
| Starting time      | t      | --           | --      | 1    | s    | Vin=120,277Vac |
| Flicker Percent    | /      | --           | --      | --   | /    | /              |
| Dimming Type       | /      | Non-dimmable |         |      |      |                |

#### 3.2 Photometrical Characteristics

| PARAMETERS             | SYMBOL | MIN  | RATED | MAX | UNIT | Test Condition |
|------------------------|--------|------|-------|-----|------|----------------|
| Beam Angle             | /      | --   | 140   | --  | °    |                |
| Flux @<4000K           | Φ      | -10% | 1200  | --  | LM   | Vin=120,277Vac |
| Flux @≥4000K           |        | -10% | 1250  | --  |      |                |
| System efficacy@<4000K | η      | -10% | 133   | --  | LM/W |                |
| System efficacy@≥4000K |        | -10% | 139   | --  |      |                |

#### 3.3 Color Characteristics (refer to ANSI C78.377-2017)

##### Chromaticity coordinates

|                    | CCT=3000K |     | X=0.4339 Y=0.4033 |     |      |                |
|--------------------|-----------|-----|-------------------|-----|------|----------------|
|                    | CCT=3500K |     | X=0.4078 Y=0.3930 |     |      |                |
|                    | CCT=4000K |     | X=0.3818 Y=0.3797 |     |      |                |
|                    | CCT=5000K |     | X=0.3446 Y=0.3551 |     |      |                |
|                    | CCT=6500K |     | X=0.3123 Y=0.3283 |     |      |                |
|                    |           |     |                   |     |      |                |
| PARAMETER          | SYMBOL    | MIN | RATED             | MAX | Unit | Test Condition |
| Color Render Index | Ra        | 80  | 82                | --  | /    | /              |
| R9                 | R9        | 0   | 12                | --  |      |                |
| Color tolerance    | /         | --  | --                | 5   | SDCM |                |



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### 4. LUMEN MAINTENANCE & LIFE

| PARAMETERS                   | SYMBOL | MIN | RATED | MAX | UNIT | Test Condition   |
|------------------------------|--------|-----|-------|-----|------|------------------|
| Lumen Maintenance at 6000hrs | /      | --  | 95.8% | --  | /    | /                |
| Life                         | t      | --  | 50000 | --  | Hrs  | Ta=45C, air free |
| Warranty                     | /      | --  | 5     | --  | Year | Ta=45C, air free |

### 5. OPERATION TEMPERATURE & STORAGE TEMPERATURE

| PARAMETERS          | SYMBOL          | MIN | RATED | MAX | UNIT | Test Condition |
|---------------------|-----------------|-----|-------|-----|------|----------------|
| Ambient Temperature | T <sub>A</sub>  | -20 | --    | 45  | °C   | /              |
| Storage Temperature | T <sub>st</sub> | -40 | --    | 70  |      | /              |

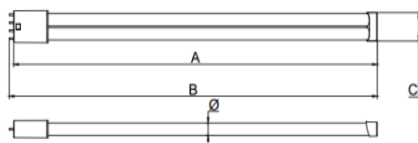
### 6. COMPATIBILITY

N/A

### 7. APPROBATION COMPLIANCE

UL1993&amp;UL1598C, FCC part 15 ClassB, RoHS compliance, NSF

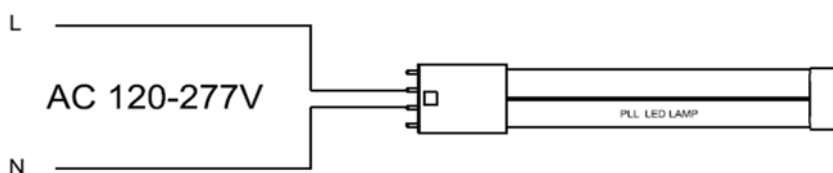
### 8. DIMENSIONS



| SYMBOL | MIN   | TYP | MAX   | UNIT |
|--------|-------|-----|-------|------|
| A      | 310.5 | --  | 317.5 | mm   |
| B      | 317.5 | --  | 324.5 | mm   |
| C      | 37.5  | --  | 39.4  | mm   |
| D      | 17.1  | --  | 17.8  | mm   |

### 9. Connection & Wiring

#### WIRING DIAGRAM



#### WIRING ILLUSTRATION

/

### 10. SKUs

PLT-50368 - 9W, 1200 Lumens, 133 LPW, 3000K  
PLT-50369 - 9W, 1200 Lumens, 133 LPW, 3500K  
PLT-50370 - 9W, 1250 Lumens, 139 LPW, 4000K  
PLT-50371 - 9W, 1250 Lumens, 139 LPW, 5000K  
PLT-50372 - 9W, 1250 Lumens, 139 LPW, 6500K