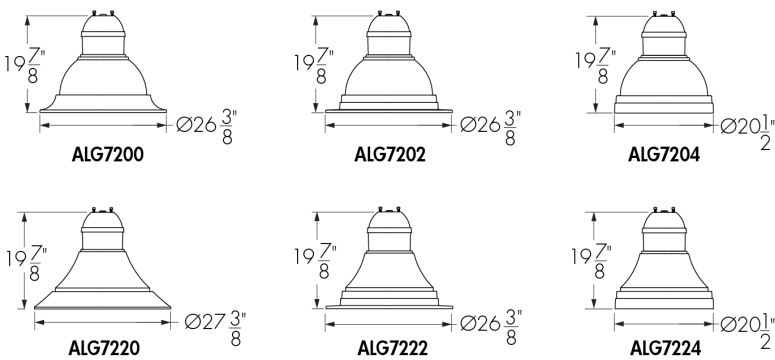


Project Name

Qty

Type

Catalog / Part Number



| Distributions                                                                                                                                                                                                                  | Description                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Type II</div><div>Type III</div><div>Type IV</div><div>Type V Square</div><div>Type II Backlight shield</div><div>Type III Backlight shield</div><div>Type IV Backlight shield</div><div>Type V Softsite</div></div> | <p>The Allegra Medium is a durable, stylish luminaire for urban lighting applications, including pedestrian plazas, residential streets and collector roads. Offering a choice of outputs, color temperatures, and distributions, the Allegra Medium is elegance personified.</p> |
| Features                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                   |
| Color and Color Temperature                                                                                                                                                                                                    | 2200K, 2700K, 3000K, 3500K, 4000K, 5700K                                                                                                                                                                                                                                          |
| Distributions                                                                                                                                                                                                                  | Type II, Type III or Type IV (with or without backlight shield), Type 5 square and Type V Softsite                                                                                                                                                                                |
| Option                                                                                                                                                                                                                         | Corrosion-resistant Coating for Hostile Environments<br>Surge Protector                                                                                                                                                                                                           |
| Mounting Options                                                                                                                                                                                                               | Pendant Medium (4-Bolt Tenon Adaptor), Side Internal (2 3/8 in Tenon)                                                                                                                                                                                                             |
| Warranty                                                                                                                                                                                                                       | 5-year limited warranty                                                                                                                                                                                                                                                           |
| Performance                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                   |
| Output (Nominal Lumens)                                                                                                                                                                                                        | Minimum 3000lm / Maximum 17000lm                                                                                                                                                                                                                                                  |
| Color Rendering                                                                                                                                                                                                                | 3 SDCM for CRI 70+ and 2 SDCM for CRI 80+                                                                                                                                                                                                                                         |
| Lumen Maintenance                                                                                                                                                                                                              | TM-21 L70 527,000 hrs (projected, Ta 77 °F), 36,000 hrs (reported, Ta 77 °F)                                                                                                                                                                                                      |
| DarkSky                                                                                                                                                                                                                        | DarkSky compliant (2200K, 2700K and 3000K color temperatures, BUG rating of U0)                                                                                                                                                                                                   |
| Physical                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                   |
| Housing Material                                                                                                                                                                                                               | Die cast low copper 360 aluminum alloy                                                                                                                                                                                                                                            |
| Lens Material                                                                                                                                                                                                                  | Optical tempered clear glass (Clearsite lens), Optical tempered opal glass (Softsite lens)                                                                                                                                                                                        |
| Weight                                                                                                                                                                                                                         | Up to 35 lbs                                                                                                                                                                                                                                                                      |
| EPA                                                                                                                                                                                                                            | Up to 1.13 ft²                                                                                                                                                                                                                                                                    |

|                       |                                                                                                                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Surface Finish</b> | Super durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5-years Florida exposure).<br>A corrosion resistant finish (CRC) pre-finish is available to meet ASTM B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance). |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### **Electrical and Control**

|                |                                                                  |
|----------------|------------------------------------------------------------------|
| <b>Voltage</b> | 120 Volts, 208 Volts, 240 Volts, 277 Volts, 347 Volts, 480 Volts |
| <b>Control</b> | On/Off Control, 0-10V Dimming                                    |

### **Environmental**

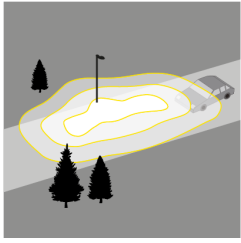
|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Temperature</b>       | -40 °F to 122 °F (device must reach start-up temperature value before operating)                                        |
| <b>Start-up Temperature</b>      | -40 °F to 104 °F (-13 °F to 104 °F for 120V combined with M80, L170, L30 Softsite, L50 Softsite or L70 Softsite output) |
| <b>Operating Temperature</b>     | -40 °F to 104 °F (-13 °F to 104 °F for 120V combined with M80, L170, L30 Softsite, L50 Softsite or L70 Softsite output) |
| <b>Ingress Protection Rating</b> | IP66 (optical chamber)                                                                                                  |
| <b>Environment</b>               | Dry/damp/wet location                                                                                                   |

### **Decorative arms (Order Separately, Consult Related Specification Sheets for Details)**

|                                   |                                                                                                                                                                                                                                                                                                    |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compatible decorative arms</b> | Pendant-Mount Decorative Arm: P4-Pendant Medium (4-Bolt Tenon Adaptor) Luminaire Mounting Option with DT6, CS2, CS4, CS6, CS12, CS13 and MC5 Arm Style., Side-Mount Decorative Arm: SI2-Side Internal (2 3/8 in Tenon) Luminaire Mounting Option with PU2, PU4, PU5, PU8, CS12 and CS13 Arm Style. |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

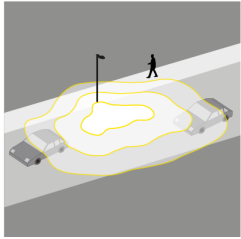
## Photometric Information

### Type II, 4000K, CRI 70+



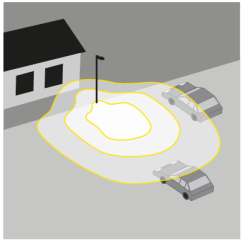
| Nominal output<br>[lm] | Typical delivered<br>output [lm] | Efficiency<br>(lm/W) | BUG Rating |    |    | Typical maximum power<br>120/277V (W) |
|------------------------|----------------------------------|----------------------|------------|----|----|---------------------------------------|
| B                      | U                                | G                    |            |    |    |                                       |
| <b>S40</b>             | 3,376                            | 109                  | 1          | 0  | 1  | 31                                    |
| <b>S60</b>             | 5,204                            | 95                   | 1          | 0  | 1  | 55                                    |
| <b>M80</b>             | 6,892                            | 108                  | 2          | 0  | 1  | 64                                    |
| <b>M110</b>            | 9,423                            | 102                  | 2          | 0  | 2  | 92                                    |
| <b>M150</b>            | 12,518                           | 95                   | 2          | 0  | 2  | 132                                   |
| <b>L170</b>            | 14,023*                          | 96                   | 3*         | 0* | 2* | 146                                   |

### Type III, 4000K, CRI 70+



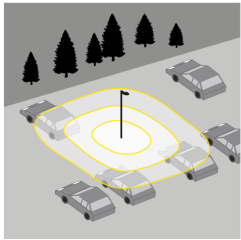
| Nominal output<br>[lm] | Typical delivered<br>output [lm] | Efficiency<br>(lm/W) | BUG Rating |    |    | Typical maximum power<br>120/277V (W) |
|------------------------|----------------------------------|----------------------|------------|----|----|---------------------------------------|
| B                      | U                                | G                    |            |    |    |                                       |
| <b>S40</b>             | 3,801                            | 123                  | 1          | 0  | 1  | 31                                    |
| <b>S60</b>             | 5,861                            | 107                  | 1          | 0  | 1  | 55                                    |
| <b>M80</b>             | 7,761                            | 121                  | 2          | 0  | 2  | 64                                    |
| <b>M110</b>            | 10,612                           | 115                  | 2          | 0  | 2  | 92                                    |
| <b>M150</b>            | 14,097                           | 107                  | 3          | 0  | 2  | 132                                   |
| <b>L170</b>            | 15,792*                          | 108                  | 3*         | 0* | 2* | 146                                   |

### Type IV, 4000K, CRI 70+



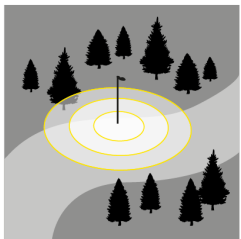
| Nominal output<br>[lm] | Typical delivered<br>output [lm] | Efficiency<br>(lm/W) | BUG Rating |    |    | Typical maximum power<br>120/277V (W) |
|------------------------|----------------------------------|----------------------|------------|----|----|---------------------------------------|
| B                      | U                                | G                    |            |    |    |                                       |
| <b>S40</b>             | 3,529                            | 114                  | 1          | 0  | 1  | 31                                    |
| <b>S60</b>             | 5,441                            | 99                   | 1          | 0  | 1  | 55                                    |
| <b>M80</b>             | 7,205                            | 113                  | 2          | 0  | 2  | 64                                    |
| <b>M110</b>            | 9,852                            | 107                  | 2          | 0  | 2  | 92                                    |
| <b>M150</b>            | 13,087                           | 99                   | 3          | 0  | 3  | 132                                   |
| <b>L170</b>            | 14,662*                          | 100                  | 3*         | 0* | 3* | 146                                   |

### Type V square, 4000K, CRI 70+



| Nominal output<br>[lm] | Typical delivered<br>output [lm] | Efficiency<br>(lm/W) | BUG Rating |    |    | Typical maximum power<br>120/277V (W) |
|------------------------|----------------------------------|----------------------|------------|----|----|---------------------------------------|
| B                      | U                                | G                    |            |    |    |                                       |
| <b>S40</b>             | 3,844                            | 124                  | 2          | 0  | 1  | 31                                    |
| <b>S60</b>             | 5,927                            | 108                  | 3          | 0  | 1  | 55                                    |
| <b>M80</b>             | 7,849                            | 123                  | 3          | 0  | 1  | 64                                    |
| <b>M110</b>            | 10,733                           | 117                  | 3          | 0  | 2  | 92                                    |
| <b>M150</b>            | 14,257                           | 108                  | 4          | 0  | 2  | 132                                   |
| <b>L170</b>            | 15,980*                          | 110                  | 4*         | 0* | 2* | 146                                   |

### Type V Softsite, 4000K, CRI 70+



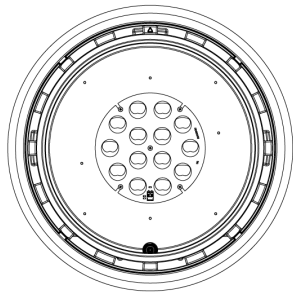
| Nominal output<br>[lm] | Typical delivered<br>output [lm] | Efficiency<br>(lm/W) | BUG Rating |   |   | Typical maximum power<br>120/277V (W) |
|------------------------|----------------------------------|----------------------|------------|---|---|---------------------------------------|
| B                      | U                                | G                    |            |   |   |                                       |
| <b>L30</b>             | 2,647                            | 58                   | 1          | 0 | 1 | 46                                    |
| <b>L50</b>             | 5,134                            | 53                   | 2          | 0 | 1 | 97                                    |
| <b>L70</b>             | 6,979                            | 48                   | 2          | 0 | 1 | 146                                   |

\*Photometric performance is measured in compliance with IESNA LM-79-08. Due to rapid and continuous advance in LED technology, photometric information is subject to change without notice.

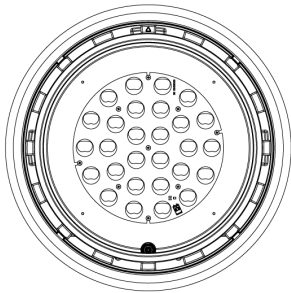
Optical System

LED board size

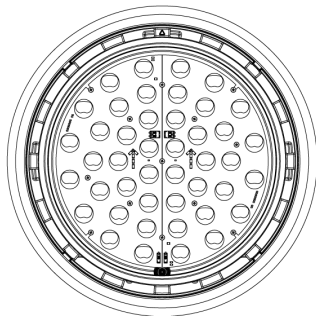
Small (4000lm to 6000lm)



Medium (8000lm to 15000lm)



Large (17000lm)



Type V Softsite is available with large LED board only (3000lm to 7000lm).

Backlight Shield\*



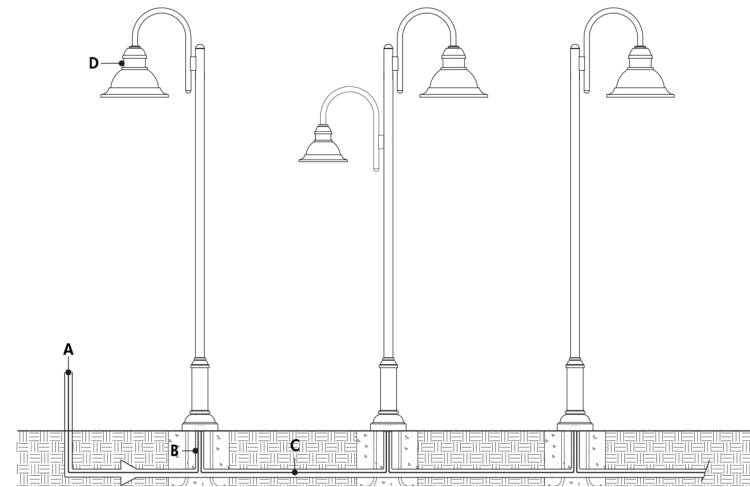
- \*Small, Medium and Large LED boards size have the same full coverage backlight shield pieces.
- \*Backlight shield available with Type II, Type III and Type IV only.
- \*Backlight shield is factory installed.

Typical Wiring Diagrams

Wiring Color Code

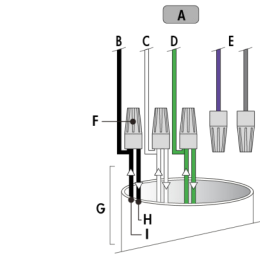
| Color | Black | White        | Green  | Purple  | Gray     |
|-------|-------|--------------|--------|---------|----------|
| Use   | Line  | Line/Neutral | Ground | 0 -10V+ | 0 -10V - |

On/Off Control (NO)



- A - Power input (120-480V, wiring by others)
- B - Conduit (by others)
- C - Power wiring (by others)
- D - Allegra medium

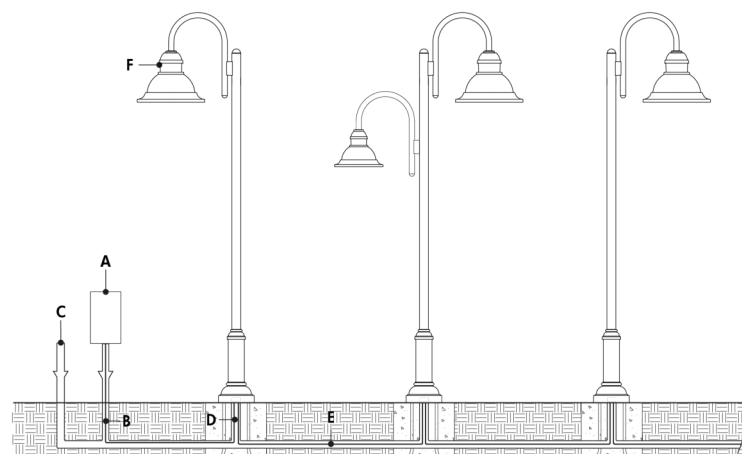
On/Off Control (NO) - Wiring Detail



- A - To fixture
- B - Line
- C - Line/Neutral
- D - Ground
- E - Not required
- F - Wire-nuts (by others)
- G - Conduit (by others)
- H - To next fixture
- I - Power input or from previous fixture

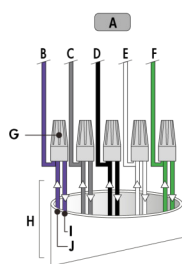
- Consult factory for specific applications and maximum fixture count/cable length recommendations.

## 0-10V Dimming (DIM)



- A - Dimmer (by others)
- B - Data wiring (by others)
- C - Power input (120-480V, wiring by others)
- D - Conduit (by others)
- E - Power and data wiring (by others)
- F - Allegra medium

## 0-10V Dimming (DIM) - Wiring Detail

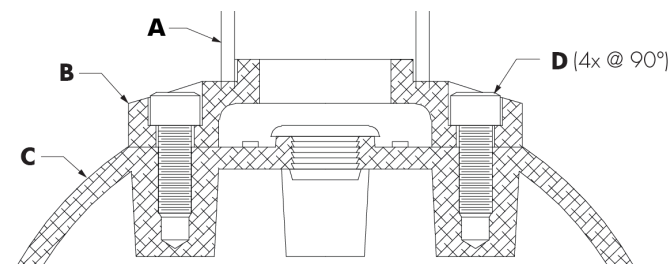


- A - To fixture
- B - 0-10V +
- C - 0-10V -
- D - Line
- E - Line/Neutral
- F - Ground
- G - Wire-nuts (by others)
- H - Conduit (by others)
- I - To next fixture
- J - Power input and from third party dimmer or from previous fixture

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.

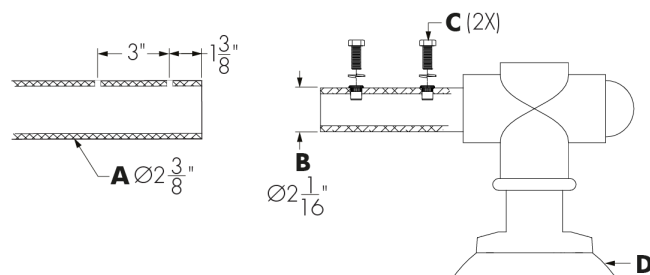
## Mounting Options

### P4 - Pendant Medium (4-Bolt Tenon Adaptor)



- A - Decorative Arm
- B - 4-Bolt Tenon Adaptor
- C - Luminaire
- D - (4x) Ø3/8 in x 1 in Bolt (included with luminaire).Ø3 3/4 in Bolt Circle

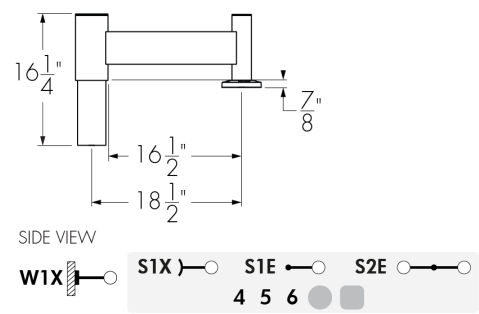
### SI2 - Side Internal (2 3/8 in Tenon)



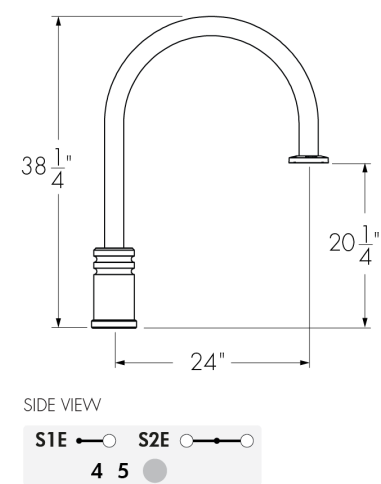
- A - Decorative Arm
- B - SI2 Tenon Adaptor
- C - 3/8-16 Bolt and Lock Washers
- D - Luminaire

P4 - Pendant Medium (4-Bolt Tenon Adaptor) Arm Style Dimensions

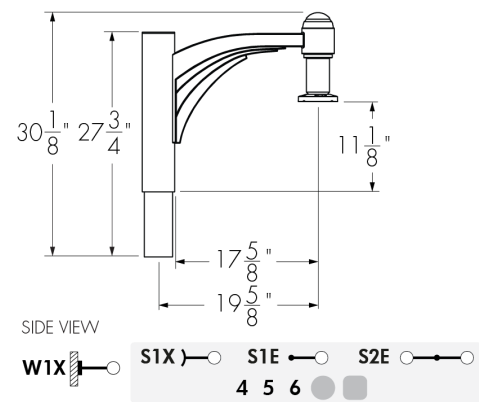
DT6 Arm Style



CS6 Arm Style



MC5 Arm Style

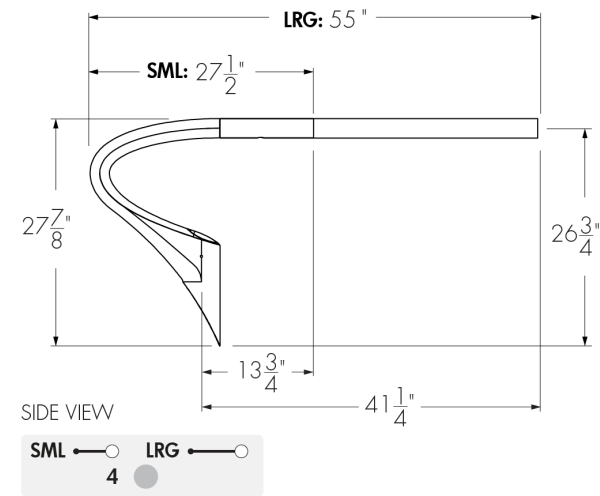


- Mid-pole/mid-luminaire distance is bases on 4 in pole (add 1/2 in for 5 in pole and 1 in for 6 in pole).

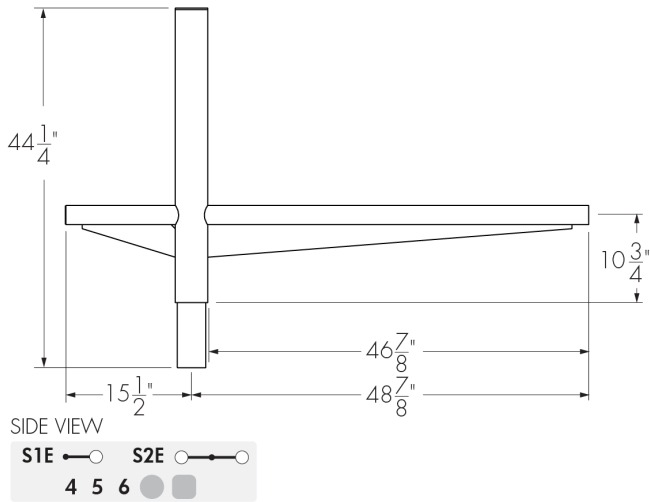


SI2 - Side Internal (2 3/8 in Tenon) Arm Style Dimensions

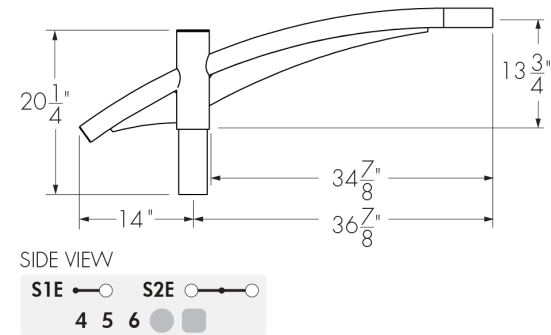
PU2 Arm Style



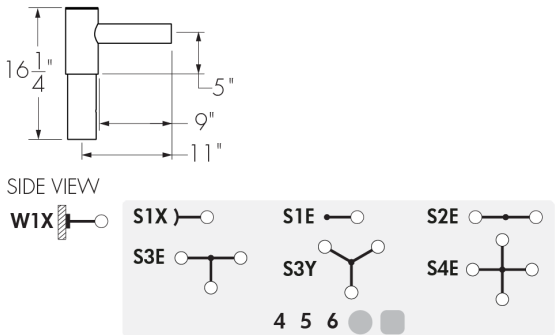
PU4 Arm Style



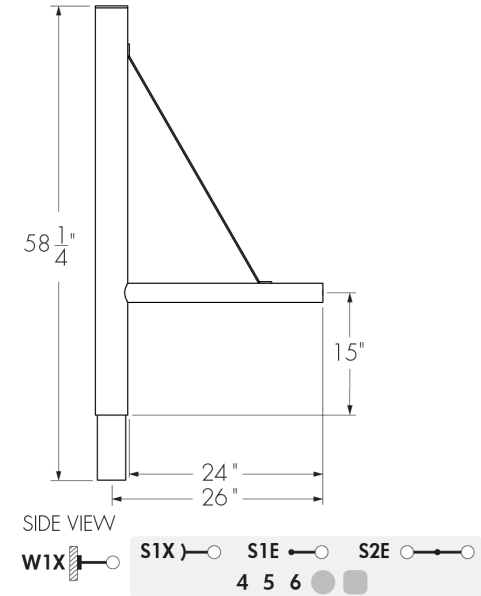
PU5 Arm Style



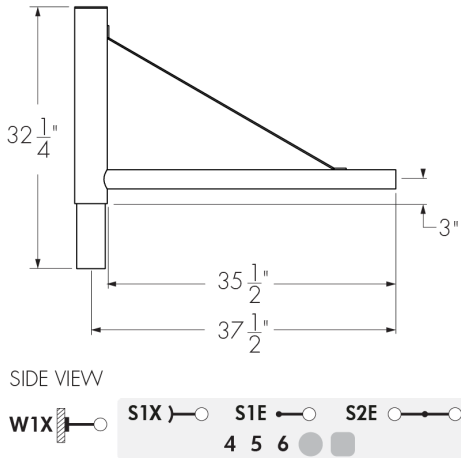
PU8 Arm Style



CS12 Arm Style



CS13 Arm Style



- Mid-pole/mid-luminaire distance is bases on 4 in pole (add 1/2 in for 5 in pole and 1 in for 6 in pole).

How to Order

| Housing <sup>(1)</sup>         | Voltage                 | Lens                                            | Output (Nominal Lumens)                      | Color and Color Temperature <sup>(7)</sup> | Color Rendering                          | Distributions                              | Finish                                                       | Control                                     | Option                                                         | Mounting Options                                   |
|--------------------------------|-------------------------|-------------------------------------------------|----------------------------------------------|--------------------------------------------|------------------------------------------|--------------------------------------------|--------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------|----------------------------------------------------|
| <b>ALG7200</b><br>Allegra 7200 | <b>120</b><br>120 Volts | <b>CSL</b><br>Clearsite Lens <sup>(2) (3)</sup> | <b>S40</b><br>4000lm <sup>(6)</sup>          | <b>22K</b><br>2200K <sup>(8)</sup>         | <b>CRI 70</b><br>CRI 70+ <sup>(9)</sup>  | <b>2</b><br>Type II                        | <b>BK</b><br>Black Sandtex®                                  | <b>DIM</b><br>0-10V Dimming <sup>(14)</sup> | <b>CRC</b><br>Corrosion-resistant coating <sup>(15) (16)</sup> | <b>P4</b><br>Pendant Medium (4-Bolt Tenon Adaptor) |
| <b>ALG7202</b><br>Allegra 7202 | <b>208</b><br>208 Volts | <b>SSL</b><br>Softsite lens <sup>(4) (5)</sup>  | <b>S60</b><br>6000lm                         | <b>27K</b><br>2700K <sup>(8)</sup>         | <b>CRI 80</b><br>CRI 80+ <sup>(10)</sup> | <b>2BLS</b><br>Type II Backlight Shield    | <b>BRZ</b><br>Bronze Sandtex®                                |                                             | <b>SP</b><br>Surge Protector                                   | <b>S12</b><br>Side Internal (2 3/8 in Tenon)       |
| <b>ALG7204</b><br>Allegra 7204 | <b>240</b><br>240 Volts |                                                 | <b>M80</b><br>8000lm                         | <b>30K</b><br>3000K                        |                                          | <b>3</b><br>Type III                       | <b>SI</b><br>Silver Sandtex®                                 |                                             |                                                                |                                                    |
| <b>ALG7220</b><br>Allegra 7220 | <b>277</b><br>277 Volts |                                                 | <b>M110</b><br>11 000lm                      | <b>35K</b><br>3500K                        |                                          | <b>3BLS</b><br>Type III Backlight Shield   | <b>BKTX</b><br>Textured Black                                |                                             |                                                                |                                                    |
| <b>ALG7222</b><br>Allegra 7222 | <b>347</b><br>347 Volts |                                                 | <b>M150</b><br>15 000lm                      | <b>40K</b><br>4000K                        |                                          | <b>4</b><br>Type IV                        | <b>BRZTX</b><br>Textured Bronze Non-Metallic                 |                                             |                                                                |                                                    |
| <b>ALG7224</b><br>Allegra 7224 | <b>480</b><br>480 Volts |                                                 | <b>L170</b><br>17 000lm                      | <b>57K</b><br>5700K                        |                                          | <b>4BLS</b><br>Type IV Backlight Shield    | <b>GRATX</b><br>Textured Medium Gray                         |                                             |                                                                |                                                    |
|                                |                         |                                                 | <b>L30</b><br>3000lm Softsite <sup>(5)</sup> |                                            |                                          | <b>5S</b><br>Type V Square                 | <b>GRNTX</b><br>Textured Green                               |                                             |                                                                |                                                    |
|                                |                         |                                                 | <b>L50</b><br>5000lm Softsite <sup>(5)</sup> |                                            |                                          | <b>5</b><br>Type V Softsite <sup>(4)</sup> | <b>WHTX</b><br>Textured White                                |                                             |                                                                |                                                    |
|                                |                         |                                                 | <b>L70</b><br>7000lm Softsite <sup>(5)</sup> |                                            |                                          |                                            | <b>CC</b><br>Custom Color & Finish <sup>(11) (12) (13)</sup> |                                             |                                                                |                                                    |

- Notes:
1. Consult Related Products section on webpage for a selection of compatible decorative arms, decorative poles (sold separately).

2. Available with S40, S60, M80, M110, M150 and L170 output option only.

3. Available with types 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S distribution only.

4. Available with L30, L50 and L70 output options only.

5. Available with type 5 distribution only.

6. Available up to 277V.

7. Consult factory for more color temperature options.

8. Available for CRI 80 only.

9. Binning within a 3-step MacAdam ellipse, with the exception of 5700K.

10. Binning within a 2-step MacAdam ellipse, with the exception of 2200K and 5700K.

11. Specify RAL number followed by "TX" for textured finish (ex: RAL9007TX) or STX for Sandtex finish (ex: RAL9007STX). Textured or Sandtex finishes are recommended for the durability of all products. If a finish is not specified with the RAL number (ex: RAL9007), a glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.

12. Setup charges apply for RAL colors. Consult factory for details.

13. Longer lead times can be expected for custom RAL color finishes.

14. DIM control can be used as NO (On/Off control) if no data is required.

15. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

16. Setup charges apply. Consult factory for details.