

# stemlight

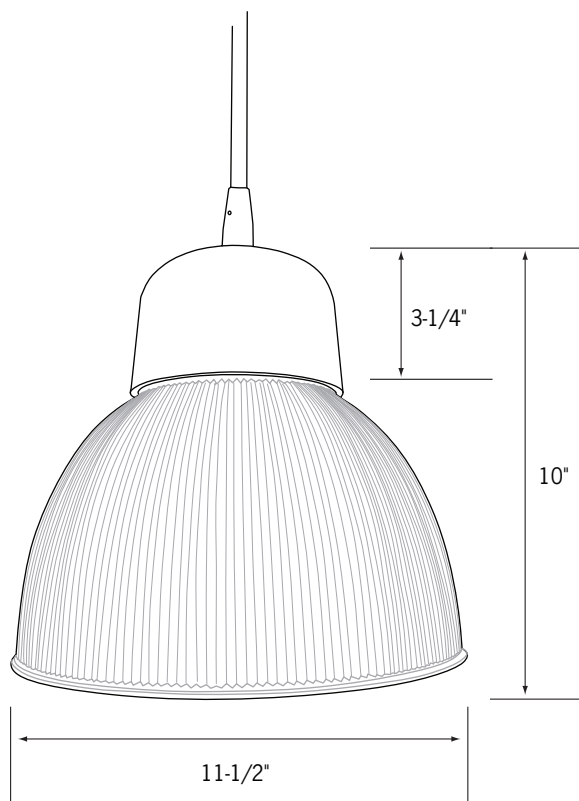
## CA12

**12" Metal Halide  
Stemlight with  
Acrylic Shade**

Catalog No. \_\_\_\_\_

Type \_\_\_\_\_

Project \_\_\_\_\_



### Specifications/Features

#### Fixture

Designed for industrial, retail and commercial applications where apparent brightness and high vertical footcandles are required. Installation options: Track or Busway mount with Arotech ballast housing; cable or stem mono-point ceiling canopy. Suspension options include 120" field adjustable flexible cable or various rigid stem lengths (sold separately). Maximum allowable stem length is 10 feet. Optional bottom lenses are available for enclosing the fixtures.

#### Electrical

50W Input Power: 58W; Input Current: 120V, 0.49A  
70W Input Power: 78W; Input Current: 120V, 0.67A  
100W Input Power: 110W; Input Current: 120V, 0.94A

150W Input Power: 164W; Input Current: 120V, 1.37A  
150W Input Power: 164W; Input Current: 277V, 0.60A

#### Lamp

(1) 50W, 70W, 100W or 150W (dependent on ballast selection) PAR38 or ED17, CMH E26 Medium Base Lamp  
(1) 100W Maximum PAR38 or ED17, CMH E26 Medium Base Lamp when used with bottom lens.

#### Warranty

This fixture is covered by Con-Tech's one (1) year full replacement guarantee after date of purchase.

#### Listing

cULus listed. Track and Busway installations are suitable for dry locations. Mono-point installation is suitable for damp locations.

### Ordering Information

Example Order:  -  -  -

Fixture

Ballast

Mounting

Finish

Optional Accessories

Rigid Stem Lengths  
("CS" Mono-Point Option ONLY)







CA12 - 12" Stemlight

**10E** - 100W  
**15E** - 150W  
**50E** - 50W  
**70E** - 70W  
**157E** - 150W, 277V\*  
\*Not available for Track Mount option

**CB** - Mono-point, Flexible Cable (120-277V)  
**AB** - Track Mount, Flexible Cable (120V)  
**AC** - Busway Mount, Flexible Cable (120-277V)  
**CS** - Mono-point, Rigid Stem\* (120-277V)

**B** - Black  
**P** - White  
**S** - Silver

**PACDLA12** - 12" Conical Acrylic Prismatic Drop Lens and Clamp for Enclosing Fixture  
**PASFLA12** - 12" Smooth Acrylic Flat Lens and Clamp for Enclosing Fixture

**CLA2** - 2" Stem  
**CLA12INT** - 12" Stem\*  
**CLA18INT** - 18" Stem\*  
**CLA36INT** - 36" Stem\*  
**CLA60INT** - 60" Stem\*  
\*With Internal Coupling

\*Rigid Stem sold separately. See selection at right.



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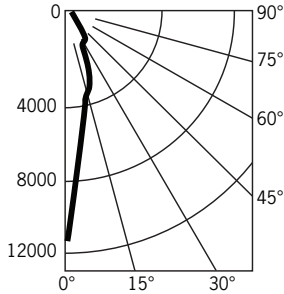
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Type \_\_\_\_\_

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## CA1270ECB

Lamp: (1) 70W BD-17 CMH Lumens: 6300 per lamp Spacing Criteria: 0.2 Efficiency: 85% Test No.: 59996



### Candlepower Summary

| FROM 0° | ZONAL LUMENS |
|---------|--------------|
| 5       | 559          |
| 15      | 992          |
| 25      | 1153         |
| 35      | 1088         |
| 45      | 508          |
| 55      | 221          |
| 65      | 222          |
| 75      | 205          |
| 85      | 170          |

### Cone of Light

| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 6'             | 307.1            | 1.4                 |
| 8'             | 172.8            | 1.8                 |
| 10'            | 110.6            | 2.3                 |
| 12'            | 76.8             | 2.7                 |
| 14'            | 56.4             | 3.2                 |
| 16'            | 43.2             |                     |

Note: Diameter shown is where fc value is half the fc at nadir.

### Coefficients of Utilization

| RC<br>RW | 80% |     | 70% |     | 50% |     |
|----------|-----|-----|-----|-----|-----|-----|
|          | 50% | 30% | 50% | 30% | 50% | 30% |
| 0        | 100 | 100 | 98  | 98  | 92  | 92  |
| 1        | 90  | 87  | 88  | 85  | 83  | 81  |
| 2        | 82  | 77  | 80  | 75  | 76  | 73  |
| 3        | 74  | 69  | 73  | 68  | 70  | 66  |
| 4        | 68  | 63  | 67  | 62  | 65  | 60  |
| 5        | 63  | 57  | 62  | 57  | 60  | 55  |
| 6        | 59  | 53  | 58  | 52  | 56  | 51  |
| 7        | 55  | 49  | 54  | 48  | 52  | 47  |
| 8        | 51  | 45  | 51  | 45  | 49  | 44  |
| 9        | 48  | 42  | 48  | 42  | 46  | 41  |
| 10       | 45  | 40  | 45  | 39  | 44  | 39  |

Note: Effective floor cavity reflectance = 20%

\*For 50W data, multiply results by .59 (3,750 lumens)  
 For 100W data, multiply results by 1.48 (9,300 lumens)  
 For 150W data, multiply results by 2.22 (14,000 lumens)

