

stemlight

CA16

16" Metal Halide
Stemlight with
Acrylic Shade

Catalog No. _____

Type _____

Project _____

10-3/4"



16"

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)

CA16 - 16" 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

PACDLA16 - 16" Conical Acrylic Prismatic Drop Lens and Clamp for Enclosing Fixture

PASFLA16 - 16" 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.



1-800-728-0312

www.con-techlighting.com

All specifications subject to change without notice.

stemlight CA16

16" Metal Halide
Stemlight with
Acrylic Shade

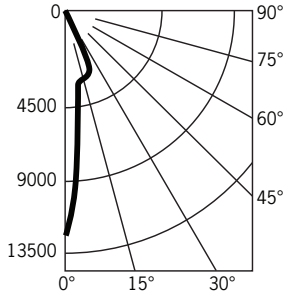
Catalog No. _____

Type _____

Project _____

CA1670ECB

Lamp: (1) 70W BD-17 CMH Lumens: 6300 per lamp Spacing Criteria: 0.3 Efficiency: 70% Test No.: 59997



Candlepower Summary

FROM 0°	ZONAL LUMENS
5	722
15	1081
25	1105
35	656
45	236
55	138
65	127
75	111
85	84

Cone of Light

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	339.0	1.7
8'	190.7	2.3
10'	122.0	2.9
12'	84.7	3.5
14'	62.3	4.1
16'	47.4	

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

Coefficients of Utilization

RC RW	80%		70%		50%	
	50%	30%	50%	30%	50%	30%
0	83	83	81	81	77	77
1	76	74	74	72	71	69
2	70	67	68	65	66	63
3	65	61	64	60	61	58
4	60	56	59	56	58	54
5	57	52	56	52	54	51
6	53	49	53	48	51	48
7	50	46	50	46	49	45
8	48	43	47	43	46	42
9	45	41	45	41	44	40
10	43	39	43	39	42	38

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)

