Type Catalog number

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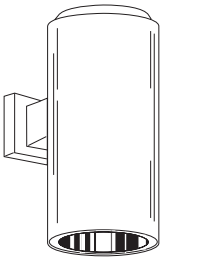
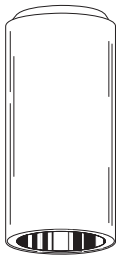
Incandescent Cylinders

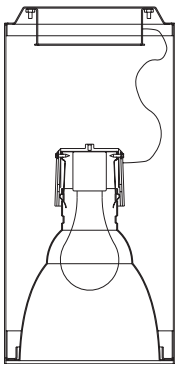
8" CA

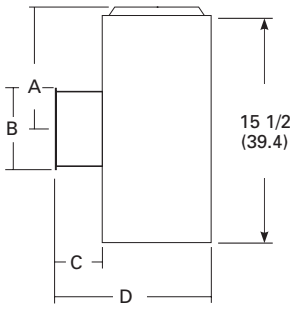
Open Cylinders

A19 or A21 Lamp
PAR









Reflector Aperture: 6-1/4 (15.9)
Housing Diameter: 7-5/8 (19.4)

All dimensions are inches (centimeters).

A = 7-3/4 (19.7)
B = 5-5/16 (13.5)
C = 3-1/4 (8.3)
D = 10-7/8 (27.6)
Wall Mount Dimensions

FEATURES

OPTICAL SYSTEM

- Reflector - Self-flanged, semi-specular, specular or matte diffuse reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of reflector to bottom.
- Patent-pending integrated snoot on PAR 30 optical system minimizes striations normally associated with PAR lamps.

HOUSING

- Heavy-gauge aluminum housing with top deck for clean appearance. Matte white textured polyester powder paint finish standard.
- Reflector edge sits flush with cylinder wall for clean, one-piece appearance.
- Reveal on standard ceiling and optional pendant mount give floating luminaire appearance.

MOUNTING

- Ceiling mount (standard) offers patented (U.S. Patent No. 4,300,190), quick mount attachment plate for direct installation.
- Wall mount or pendant mount available.

ELECTRICAL SYSTEM

- Medium-base porcelain socket with nickel-plated screw shell.

LISTINGS

- Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: **CA8 6AR DWHG**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line.
Order accessories as separate catalog numbers (shipped separately).

CA8

Series[1]

CA8

Lamp designation

(blank)	A19, A21 Lamp
PAR30	PAR30 (75W Max.)

Aperture/Trim color

6AR	Clear
6BR[2]	Black
6PR	Pewter
6UBR	Umber
6WTR	Wheat
6GR	Gold
6MB[2]	Black baffle
6WB[2]	White baffle

Finish

(blank)	Semi-Specular
LD	Matte-diffuse
LS	Specular

Options

Mounting

WM	Wall Mount
PM[3]	Pendant 3/8" thread mount

Housing Color

DWHG	Matte White (standard)
DDB	Dark Bronze
DBL	Black
DNA	Natural Aluminum
DWH	Gloss White
DTG	Tennis Green
DGC	Charcoal Grey
DSS	Sandstone

NOTES:

1 Maximum wattage 150W A21 lamp or 75W PAR30 lamp.
2 Not available with finishes.
3 Stem not included.
4 For use on pendant mount (PM) only. Specify length of stem (from 6" to 48" in 6" increments). Ex. CYS06 DWHG. **Consult factory for exterior use**. Stem and cylinder color will match when ordered on the same line.

Accessories

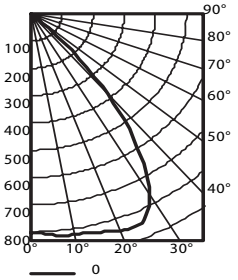
Shipped Separately.

CYS[4] 3/8" stem and canopy with 5° "hang straight" swivel .
CRS[4] 3/8" stem and canopy with 45° swivel .

8" CA Open Reflector Cylinder

Distribution curve | **Distribution data** | **Output data** | **Coefficient of utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

CA8 6AR, 100A lamp, 1750 rated lumens, 1.3 s/mh, Test no. LTL7258



From 0°	Ave	Lumens
0	801	
5	813	78
15	830	236
25	845	383
35	599	364
45	151	124
55	1	2
65	0	0
75	0	0
85	0	0
90	0	

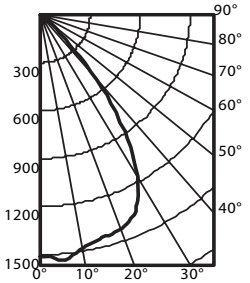
Zone	Lumens	% Lamp
0° - 30°	696.5	39.8
0° - 40°	1060.8	60.6
0° - 60°	1187.7	67.9
0° - 90°	1187.7	67.9
90° - 180°	0.0	0.0
0° - 180°	1187.7	*67.9

*Efficiency

pf / pc	80%		70%		20%	
pw	50%	30%	50%	30%	50%	30%
1	.75	.73	.73	.72	.71	.69
2	.69	.66	.68	.65	.66	.64
3	.64	.60	.63	.60	.61	.58
4	.59	.55	.58	.55	.57	.54
5	.55	.51	.54	.50	.53	.49
6	.51	.46	.50	.46	.49	.46
7	.47	.43	.47	.43	.46	.42
8	.44	.40	.44	.39	.43	.39
9	.41	.37	.41	.37	.40	.36
10	.39	.34	.38	.34	.38	.34

		50% beam angle 65.7°		10% beam angle 87.4°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	26.5	7.1	13.2	10.5	2.6
10	14.2	9.7	7.1	14.3	1.4
12	8.9	12.3	4.4	18.2	0.9
14	6.1	14.8	3.0	22.0	0.6
16	4.4	17.4	2.2	25.8	0.4

CA8 6AR, 150A lamp, 2780 rated lumens, 1.2 s/mh, Test no. LTL7257



From 0°	Ave	Lumens
0	1510	
5	1541	144
15	1443	409
25	1352	612
35	886	536
45	211	178
55	6	9
65	1	1
75	0	0
85	0	0
90	0	

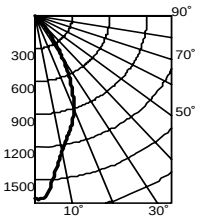
Zone	Lumens	% Lamp
0° - 30°	1165.9	41.9
0° - 40°	1702.4	61.2
0° - 60°	1888.5	67.9
0° - 90°	1890.1	68.0
90° - 180°	0.0	0.0
0° - 180°	1890.1	*68.0

*Efficiency

pf / pc	80%		70%		20%	
pw	50%	30%	50%	30%	50%	30%
1	.75	.73	.74	.72	.71	.70
2	.69	.67	.68	.66	.66	.64
3	.64	.61	.63	.60	.62	.59
4	.60	.56	.59	.55	.57	.54
5	.55	.51	.55	.51	.54	.50
6	.52	.47	.51	.47	.50	.46
7	.48	.44	.48	.44	.47	.43
8	.45	.41	.45	.40	.44	.40
9	.42	.38	.42	.38	.41	.37
10	.40	.35	.39	.35	.39	.35

		50% beam angle 60.1°		10% beam angle 84.6°	
Mount height	Inital fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8	49.9	6.4	25.0	10.0	5.0
10	26.8	8.7	13.4	13.6	2.7
12	16.7	11.0	8.4	17.3	1.7
14	11.4	13.3	5.7	20.9	1.1
16	8.3	15.6	4.1	24.6	0.8

CA8 6AR, 75W PAR30LN/CAP/WFL/50 lamp, 0.7 spacing criteria, 1130 rated lumens, Test no. LTL12837



	cp	Lumens
0°	1668	
5°	1532	137
15°	1080	301
25°	688	309
35°	230	150
45°	21	25
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

Zone	Lumens	% Lamp
0° - 30°	748	66.2
0° - 40°	897	79.4
0° - 60°	924	81.7
0° - 90°	924	81.7
90° - 180°	0	0.0
0° - 180°	924	*81.7

*Total Efficiency

pf / pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
0	97	97	95	95	91	91
1	91	89	89	88	86	85
2	85	82	84	81	81	79
3	80	77	79	76	77	74
4	76	72	75	71	73	70
5	71	67	71	67	69	66
6	68	63	67	63	66	62
7	64	60	64	59	63	59
8	61	56	60	56	60	56
9	58	53	57	53	57	53
10	55	51	55	51	54	50

		50% beam - 36.6°		10% beam - 66.8°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8	55.1	3.6	27.6	7.3	5.5
10	29.7	5.0	14.8	9.9	3.0
12	18.5	6.3	9.2	12.5	1.8
14	12.6	7.6	6.3	15.2	1.3
16	9.2	8.9	4.6	17.8	0.9

NOTES:
1 For electrical characteristics consult Technical Bulletins tab.
2 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.

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