

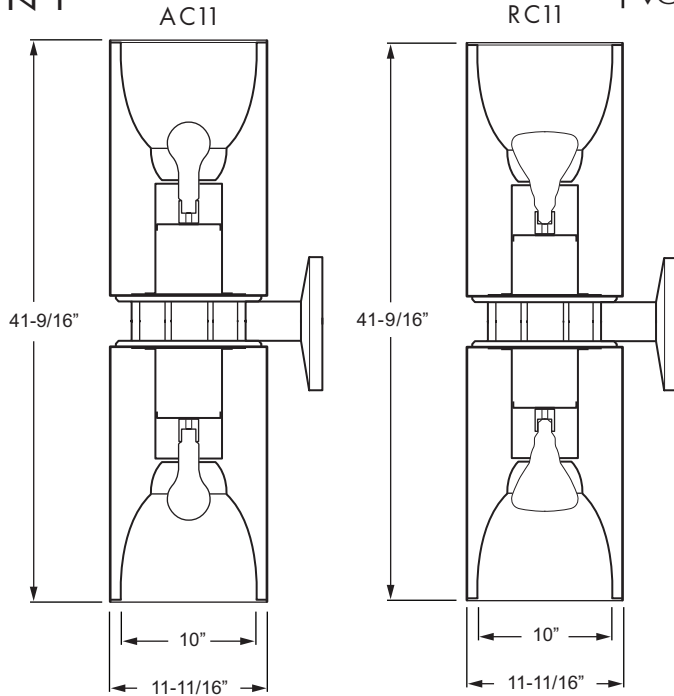
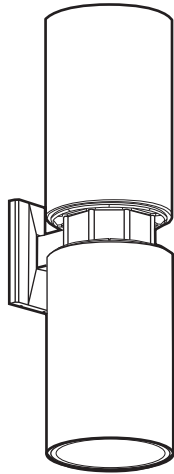
# INCANDESCENT

JOB \_\_\_\_\_

TYPE \_\_\_\_\_

VOLTAGE \_\_\_\_\_

## 11" ROUND WALL MOUNT UP/DOWN CYLINDERS A/REFLECTOR LAMP



### CATALOG NUMBER

SERIES	WATTAGE	LAMP BASE	VOLTAGE
AC11	150/150	PS251F/MED	
AC11	200/200	PS251F/MED	
AC11	300/300	PS251F/MED	
RC11	300/300	R40/MED	
RC11	500/500	R40/MOG	

- Standard self-flanged aluminum reflector with semi-specular/low-iridescent (CS) finish.
- Standard cylinder colors are bronze, black or white (must specify when ordering).
- Heavy-gauge aluminum cylinders.
- Wall mount standard.
- Prewired at factory for easy field installation.
- Lamp by others.
- Clear tempered glass upright shield standard.
- For different lamp configurations, consult factory.
- Custom colors available.
- UL/CUL listed for dry or damp locations. UL/CUL listed as wet location under covered ceiling when used in conjunction with C73/\_\_\_ or CGS/\_\_\_ option.
- This fixture is proudly made in the USA.

### OPTIONS & ADDERS

### SUFFIX

Clear semi-specular reflector	CS
Clear specular reflector (1)	SPC
Straw reflector (1)	STR
Champagne gold reflector (1)	CG
Gold reflector (1)	GD
Wheat reflector (1)	WT
Pewter reflector (1)	PW
Satin glow reflector (1)	SG
Matte white trim (1)	MWT
Micro-baffle (1)	MB
Luminous disk (1)	LD
Luminous disk open (1)	LDO
Luminous ring (1)	LR
C73 clear prismatic glass lens w/accent cone (1) (A lamp only)	C73/AC
C73 clear prismatic glass lens w/micro-baffle (1) (A lamp only)	C73/MB
Clear glass lens w/accent cone (1) (A lamp only)	CGS/AC
Clear glass lens w/micro-baffle (1) (A lamp only)	CGS/MB
Fresnel glass lens w/accent cone (1) (A lamp only)	FF/AC
Fresnel glass lens w/micro-baffle (1) (A lamp only)	FF/MB
Fuse (2)	F

  
DOWNLIGHTING

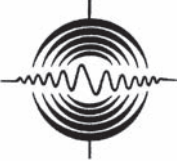
**FIXTURE SUBMITTED/APPROVED**

# PHOTOMETRIC DATA

## AC11-300/300-PS25IF/MED

**BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.**

1618 HEADLAND DR.  
FENTON, MO 63026  
(314) 343-6006  
(314) 343-6051 FAX



Report No: **8945.3**

Date: **8/26/96**

Description: **1/300W IF Incandescent Lamp 10" dia Recessed Luminaire  
Low Iridescent Specular Reflector w/Open Bottom**

Generated from #8945.2

Catalog No: **AC11-300/300-PS25IF/MED**

Lamp Type: **300PS25**

Rated Lumens: **6300.**

No. Lamps: **1**

### CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	3693.	
5	3628.	346.3
10	3834.	
15	4143.	1174.4
20	3825.	
25	3128.	1447.6
30	2452.	
35	1529.	960.4
40	505.	
45	102.	79.2
50	20.	
55	9.	8.3
60	4.	
65	3.	2.5
70	0.	
75	0.	0
80	0.	
85	0.	0
90	0.	

### ZONAL CAVITY COEFFICIENTS OF UTILIZATION

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CEILING	80				70				50			30		
	WALL	RCR												
0	.76	.76	.76	.76	.74	.74	.74	.74	.71	.71	.71	.68	.68	.68
1	.73	.71	.70	.68	.71	.70	.69	.67	.67	.66	.65	.65	.64	.63
2	.69	.67	.64	.62	.68	.66	.63	.61	.63	.62	.60	.62	.60	.59
3	.66	.63	.60	.57	.65	.62	.59	.57	.60	.58	.56	.59	.57	.55
4	.63	.59	.55	.53	.62	.58	.55	.52	.57	.54	.52	.55	.53	.51
5	.60	.55	.51	.49	.59	.54	.51	.49	.53	.50	.48	.52	.50	.48
6	.57	.52	.48	.46	.56	.52	.48	.46	.51	.48	.45	.50	.47	.45
7	.55	.49	.45	.43	.54	.49	.45	.43	.48	.45	.43	.47	.44	.42
8	.52	.46	.42	.40	.51	.46	.42	.40	.45	.42	.40	.44	.41	.39
9	.49	.43	.39	.37	.48	.43	.39	.37	.42	.39	.37	.41	.38	.36
10	.46	.40	.36	.34	.45	.40	.36	.34	.39	.36	.34	.39	.36	.34

### FIXTURE QUANTITY QUICK ESTIMATOR TABLES

REFLECTANCE: Ceiling = 80%  
Walls = 50%  
Floor = 20%

LIGHT LOSS FACTOR: 1.0

Room Size - 10' Ceiling	±50 ftc	±75 ftc	±100 ftc
Small - 400 Sq Ft	6	9	12
Medium - 900 Sq Ft	12	20	25
Large - 1600 Sq Ft	20	36	42

### LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0-30	2968.	47.1	73.9	90-120	0.	.0	.0
0-40	3929.	62.4	97.8	90-130	0.	.0	.0
0-60	4016.	63.7	99.9	90-150	0.	.0	.0
0-90	4019.	63.8	100.0	90-180	0.	.0	.0
TOTAL LUMINAIRE =				0-180	4019.	63.8	100.0

IES SPACING CRITERIA: ADJACENT = 1.1      DIAGONAL = .8

### LUMINANCES FOOT LAMBERTS

VERT ANG	HORIZ ANG
45	833.
55	93.
65	34.
75	0.
85	0.

MAXIMUM BRIGHTNESS NOT MEASURED

### COLOR CONVERSION FACTORS

Straw = x .97  
Champagne = x .96  
Micro-baffle = x .60  
Gold = x .93  
Wheat = x .88  
Pewter = x .86



H.E. WILLIAMS, INC.

### LIGHT CONE QUICK CALCULATOR TABLES

MNT HGT-FT	FC at Edge of Cone	FC at Nadir	Adjacent	Cone Dia. Diagonal
8	28.9	57.7	8.8	6.4
10	18.5	36.9	11.0	8.0
12	12.8	25.6	13.2	9.6
14	9.4	18.8	15.4	11.2
16	7.2	14.4	17.6	12.8
18	5.7	11.4	19.8	14.4
20	4.6	9.2	22.0	16.0