

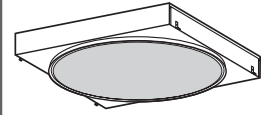
# ROUND ARCHITECTURAL RECESSED

# RND

**SUBMITTAL:**

18" | 2' | 3' | 4'

**JOB:**



**TYPE:**

**VOLTAGE:**

EXAMPLE

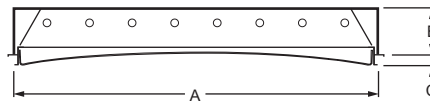
**RND - 4 - 6 32 - FCA - OPTIONS - EB4/2 - UNV**

SERIES      NOMINAL DIAMETER      TOTAL WATTAGE/LAMPS TYPE      LENS      OPTIONS      BALLAST TYPE      VOLTAGE

## FEATURES

- ▶ Round, recessed architectural fixture adds visual interest.
- ▶ Frosted, round acrylic lens provides soft, uniform light distribution.
- ▶ Flat, convex, or concave lens profile adds diversity.
- ▶ Adjustable ring and lens assembly provides clean appearance.
- ▶ Inner flange prevents light leaks.
- ▶ Lift-and-twist lens assembly allows for easy maintenance.
- ▶ Drywall or grid system installation.
- ▶ Numerous lamp types and configurations available.
- ▶ This fixture is proudly made in the USA.

**NOTE:** Fixture must be installed prior to ceiling system installation.



RND-4-832-FCA shown

Fixture	A (Dia.)	B	C	
			Min.	Max.
18"	19-1/4"	6-1/16"	1-1/4"	2"
2'	23"	6-1/16"	1-1/4"	2"
3'	35"	6-1/16"	1-1/4"	2"
4'	47"	6-1/16"	1-1/4"	2"

See back for additional lamping and dimensional details.

## SPECIFICATIONS

**Housing** – 20-gauge C.R.S.

**Shielding** – Frosted acrylic lens, .125" thick.

**Finish** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal on reflective surfaces. Textured matte white powder coat on ceiling trim ring. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.

**Electrical** – Electronic ballast standard, rated Class P. Default offering shown in chart below.

Lamp	Instant Start	Program Start
T5		•
T8	•	
32U	•	
40TT	•	
50TT		•

**Mounting** – For installation in NEMA Type "G", "SS", or "F" ceiling systems. Earthquake clips are standard. **Fixture must be installed prior to ceiling system installation.**  
**Labels** – UL/CUL listed as recessed fluorescent luminaire suitable for dry or damp locations. City of Chicago Environmental Air approved when specified with CP option.

## ORDERING INFORMATION

### SERIES

**RND** Round Architectural Recessed

### NOMINAL DIAMETER

**18** 18" (1, 2, or 3 lamps only)  
**2** 2' (2, 3, or 4 lamps only)  
**3** 3' (4 or 6 lamps only)  
**4** 4' (6 or 8 lamps only)

### TOTAL LAMPS

**1, 2, 3, 4, 6, or 8** (see Nominal Diameter for lamp restrictions)

### LAMP WATTAGE/TYPE

#### 18" and 2' FIXTURE LAMP OPTIONS

**14T5S** 2', 14-watt T5  
**17** 2', 17-watt T8  
**24T5H** 2', 24-watt T5HO  
**32U** 2', U-bent, 32-watt T8, 6" leg spacing (1-lamp RND-18 or 2-lamp RND-2 only)  
**40TT** 2', 40-watt long twin tube (3 lamps maximum on 18")  
**50TT** 2', 50-watt long twin tube (3 lamps maximum)

#### 3' FIXTURE LAMP OPTIONS

**21T5S** 3', 21-watt T5  
**25** 3', 25-watt T8  
**39T5H** 3', 39-watt T5HO

#### 4' FIXTURE LAMP OPTIONS

**28T5S** 4', 28-watt T5 (not available with EB3 or EB4)  
**32** 4', 32-watt T8  
**54T5H** 4', 54-watt T5HO

### LENS

See back for lens details.

**FCA** Frosted concave acrylic lens  
**FFA** Frosted flat acrylic lens  
**FXA** Frosted convex acrylic lens

### OPTIONS

For generic EM ballast options (must specify voltage), see [Technical Info](#). Ballast size restrictions apply. Consult factory.

**AMW** Anti-microbial white finish  
**CP** Chicago Plenum (CCEA)

### BALLAST TYPE

#### 18" and 2' FIXTURE BALLAST OPTIONS

**EB2** 2-lamp electronic ballast  
**EB3** 3-lamp electronic ballast  
**EB4** 4-lamp electronic ballast (2' only)  
**EB2/1** (1) 2-lamp and (1) 1 lamp electronic ballast  
**EB2/2** (2) 2-lamp electronic ballasts (2' only)

#### 3' FIXTURE BALLAST OPTIONS

**EB4** 4-lamp electronic ballast  
**EB2/2** (2) 2-lamp electronic ballasts  
**EB4/2** (1) 4-lamp and (1) 2-lamp electronic ballast  
**EB2/2/2** (3) 2-lamp electronic ballasts

#### 4' FIXTURE BALLAST OPTIONS

**EB4/2** (1) 4-lamp and (1) 2-lamp electronic ballast  
**EB4/4** (2) 4-lamp electronic ballasts  
**EB2/2/2** (3) 2-lamp electronic ballasts  
**EB2/2/2/2** (4) 2-lamp electronic ballasts

### VOLTAGE

**UNV** 120-277V  
**347** 347V

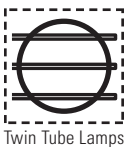
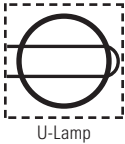
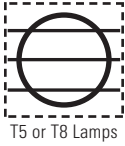


## PHOTOMETRY INFORMATION

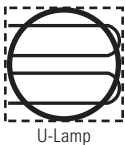
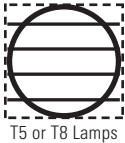
Catalog #: **RND-4-632-FCA**

### MAXIMUM LAMP CONFIGURATIONS

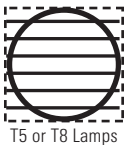
#### RND-18



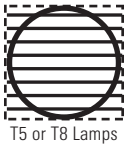
#### RND-2



#### RND-3

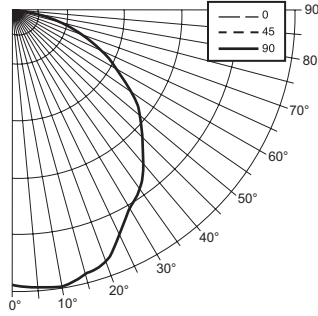


#### RND-4



### TEST REPORT INFORMATION

- ▶ Test Report #: 14165.0
- ▶ Date: 06/25/08
- ▶ Lamp Type: F32T8/835/RS
- ▶ Lamp Quantity: 6



### ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	.72	.72	.72	.70	.70	.70	.67	.67	.67
	1	.66	.63	.61	.64	.62	.60	.59	.57	.56
	2	.60	.56	.52	.59	.54	.51	.52	.49	.47
	3	.55	.49	.45	.54	.48	.44	.47	.43	.40
	4	.51	.44	.39	.49	.43	.38	.41	.37	.34
	5	.46	.39	.33	.45	.38	.33	.37	.32	.29
	6	.43	.35	.29	.41	.34	.29	.33	.28	.25
	7	.39	.31	.26	.38	.31	.26	.30	.25	.22
	8	.36	.28	.23	.35	.27	.23	.27	.22	.19
	9	.33	.25	.20	.32	.25	.20	.24	.19	.16
10	.31	.23	.18	.30	.22	.18	.22	.17	.15	

Effective Floor Cavity Reflectance = .20

### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	3675.	3675.	3675.	
5°	3733.	3727.	3716.	355.6
15°	3657.	3658.	3663.	1037.0
25°	3328.	3328.	3336.	1541.1
35°	2928.	2931.	2934.	1840.9
45°	2440.	2420.	2452.	1892.4
55°	1933.	1933.	1941.	1736.7
65°	1310.	1311.	1321.	1302.9
75°	678.	681.	686.	719.6
85°	189.	191.	197.	208.9
90°	0.	0.	0.	

### LUMEN SUMMARY

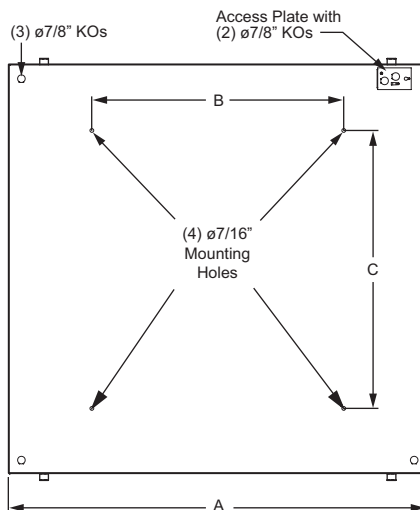
Zone	Lumens	% Lamp	% Fixture
0 - 30	2934.	16.6	27.6
0 - 40	4775.	27.0	44.9
0 - 60	8404.	47.5	79.0
0 - 90	10635.	60.1	100.0
<b>Total Luminaire:</b>			
0 - 180	10635.	60.1	100.0

Total Luminaire Optical Efficiency: **60.1%**  
 IES Spacing Criteria: End = 1.3  
 Diagonal = 1.3  
 Across = 1.3

## FIXTURE DETAILS

Series	A	B	C	D	E	CUTOUT SIZES
RND-18	24"	14"	10"	1-1/2"	1-1/2"	ø18-1/2" ±1/4"
RND-2	24"	14"	10"	1-1/2"	1-9/16"	ø22-1/4" ±1/4"
RND-3	36"	20"	24"	1-1/2"	2-1/16"	ø34-1/4" ±1/4"
RND-4	48"	29"	32"	1-1/2"	2-9/16"	ø46-1/4" ±1/4"

### BACKVIEW



**NOTE:** Fixture must be installed prior to ceiling system installation.

### LENS PROFILES

