

# ROUND ARCHITECTURAL SURFACE MOUNT

# RNDS

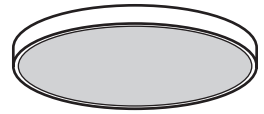
**SUBMITTAL:**

4'

**JOB:**

**TYPE:**

**VOLTAGE:**



EXAMPLE

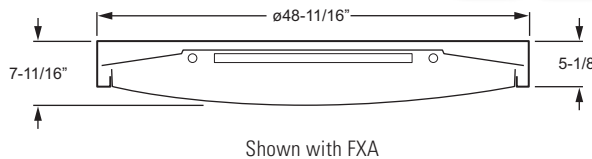
**RNDS - 4 - 5 32U - FXA - OPTIONS - EB3/2 - UNV**

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



## FEATURES

- ▶ Round, surface mounted, architectural fixture adds visual interest to a variety of applications.
- ▶ Frosted, round acrylic lens provides soft, uniform light distribution.
- ▶ Flat or convex lens profile adds diversity.
- ▶ Lift-and-twist lens assembly allows for easy maintenance.
- ▶ Numerous lamp types and configurations available.
- ▶ This fixture is proudly made in the USA.



## SPECIFICATIONS

**Housing** – .080" spun aluminum outer housing with a 19-gauge C.R.S. back plate.

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

**Finish** – Textured matte white polyester TGIC powder coat bonded to phosphate-free, multi-stage pretreated metal. 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	•	

**Mounting** – Surface mount.

**Labels** – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

## ORDERING INFORMATION

### SERIES

**RNDS** Round Architectural Surface Mount

### NOMINAL DIAMETER

**4** 4'

### TOTAL LAMPS

**5 or 7** (5-lamp option for 32U only)

### LAMP WATTAGE/TYPE

#### 5-LAMP OPTIONS

**32U** 2', U-bent, 32-watt T8, 6" leg spacing

#### 7-LAMP OPTIONS

**514T5S/221T5S** (5) 2', 14-watt T5/(2) 3', 21-watt T5

**517/225** (5) 2', 17-watt T8/(2) 3', 25-watt T8

**524T5H/239T5H** (5) 2', 24-watt T5HO/(2) 3', 39-watt T5HO

### LENS

See back for lens details.

**FFA** Frosted flat acrylic lens

**FXA** Frosted convex acrylic lens

### OPTIONS

For generic **EM ballast** options (must specify voltage), see Fluorescent Information section. Ballast size restrictions apply. Consult factory.

### BALLAST TYPE

Ballast size restrictions apply. Consult factory.

#### 5-LAMP BALLAST OPTIONS

**EB4/1** (1) 4-lamp and (1) 1-lamp electronic ballast

**EB3/2** (1) 3-lamp and (1) 2-lamp electronic ballast

**EB2/2/1** (2) 2-lamp and (1) 1-lamp electronic ballast

#### 7-LAMP BALLAST OPTIONS

**EB4/2/1** (1) 4-lamp, (1) 2-lamp, and (1) 1-lamp electronic ballast (T8 only)

**EB3/2/2** (1) 3-lamp and (2) 2-lamp electronic ballasts (T8 only)

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

### VOLTAGE

**UNV** 120-277V

**347** 347V



4'

## PHOTOMETRY INFORMATION

Catalog #: RNDS-4-532U-FXA

### MAXIMUM LAMP CONFIGURATIONS



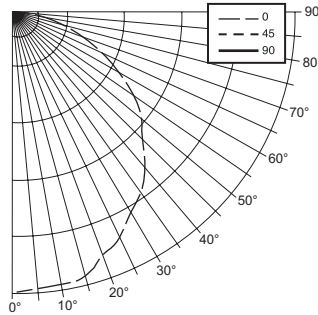
(7) T5 or T8 Lamps



Narrow U-Lamps

### TEST REPORT INFORMATION

- ▶ Test Report #: 16401.0
- ▶ Date: 10/17/11
- ▶ Lamp Type: F32T8/835/U6
- ▶ Lamp Quantity: 5



### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle Average Candela	Zonal Lumens
0°	3694.	
5°	3667.	350.0
15°	3631.	1029.2
25°	3309.	1531.8
35°	2917.	1832.6
45°	2385.	1846.7
55°	1927.	1729.1
65°	1309.	1299.2
75°	692.	732.1
85°	194.	211.4
90°	0.	

### ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	.89	.89	.89	.87	.87	.87	.83	.83	.83
	1	.82	.79	.75	.80	.77	.74	.74	.71	.69
	2	.75	.69	.64	.73	.68	.63	.65	.61	.58
	3	.69	.61	.55	.67	.60	.55	.58	.53	.49
	4	.63	.54	.48	.61	.53	.47	.52	.46	.42
	5	.57	.48	.41	.56	.47	.41	.46	.40	.36
	6	.53	.43	.36	.51	.42	.36	.41	.35	.31
	7	.49	.39	.32	.47	.38	.32	.37	.31	.27
	8	.45	.35	.28	.44	.34	.28	.33	.28	.24
	9	.41	.31	.25	.40	.31	.25	.30	.24	.20
	10	.38	.28	.22	.37	.28	.22	.27	.22	.18

Effective Floor Cavity Reflectance = .20

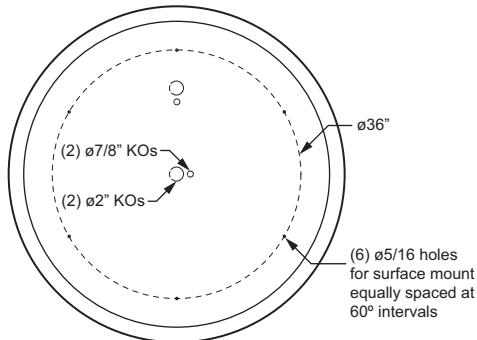
### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	2911.	20.6	27.6
0 - 40	4744.	33.6	44.9
0 - 60	8319.	58.9	78.8
0 - 90	10562.	74.8	100.0
<b>Total Luminaire:</b>			
0 - 180	10562.	74.8	100.0

Total Luminaire Optical Efficiency: **74.8%**  
 IES Spacing Criteria: Diagonal = 0.9  
 Across = 1.2

## FIXTURE DETAILS

### MOUNTING INFORMATION



### LENS PROFILES



Shown with FFA



Shown with FXA