RNDS LED
Round Architectural Surface Mount

Williams

CATALOG #: _____

7-11/16″   5-1/8″

ø48-11-16″

RNDS-4 shown

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT

FEATURES

- Round, surface mounted, architectural fixture adds visual interest to a variety of applications
- Provides soft, uniform ambient illumination
- Lift-and-twist lens assembly allows for easy maintenance
- Efficacies up to 143 lm/W
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- **HOUSING** – .080″ spun aluminum outer housing with 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** – High quality mid-power LED boards. L85 at 50,000 hours. 25°C maximum ambient operating temperature.
- **MOUNTING** – Surface or suspended.
- **LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: RNDS - 4 - L200/835 - FXA - OPTIONS - CONTROL/DIM - UNV

ORDERING INFO

SERIES	DIAMETER	LUMENS [1]		CRI	CCT	LENS
RNDS	2 2′	**2′**		8 80	27 2700K	FXA Frosted convex acrylic lens
	3 3′	L25	2,500lm	9 90 [2]	30 3000K	
	4 4′	L45	4,500lm		35 3500K	
		L83	8,300lm		40 4000K	
		3′			50 5000K	
		L67	6,700lm			
		L150	15,000lm			
		4′				
		L136	13,600lm			
		L200	20,000lm			

OPTIONS

See page 4 for FINISH OPTIONS.
See page 3 for SUSPENDED MOUNTING OPTIONS.

EM/10WRM Remote mount 10-watt emergency battery [3]
(L__) Additional lower lumen packages available. Specify in increments of 100 nominal lumens.
Example: 9,500 nominal lumens = RNDS-4-L136/835-FXA-**(L95)**

CONTROL

See page 4 for ADDITIONAL CONTROL/ DRIVER OPTIONS.

– None
AVI-LVFA Avi-on wireless fixture control [4]
AWNR Lutron Athena wireless node integral fixture control, RF only [5]

DRIVER

See page 4 for ADDITIONAL CONTROL/ DRIVER OPTIONS.

DIM Driver with external dimming wires
DIM1 1% Dimming driver, 0-10V
DRV Driver without external dimming wires
DA Driver with 12V auxiliary power, without external dimming wires [6]
DSR Sensor-ready driver without external dimming wires (D4i DALI-2) [7]

VOLTAGE

120 120V
277 277V
UNV 120-277V

NOTES

[1] Nominal lumen output based on 80 CRI/3500K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
[2] Extended lead times may apply. Consult factory for availability.
[3] Requires remote mounted battery, provided with remote mounting enclosure for installation in ceiling above fixture. Separate power and control wiring to remote box required. See page 3 for MOUNTING DETAILS.
[4] DA Driver only. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
[5] DA and DSR Drivers only.
[6] Avi-on and Lutron Athena Controls only.
[7] Lutron Athena Controls only.

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Surface
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FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	L25	2528	24.3	104
	L45	4530	45.7	99
	L83	8197	85.0	96
3'	L67	6717	57.9	116
	L150	15114	136.3	110
4'	L136	13649	95.4	143
	L200	20070	147.7	136

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

MULTIPLIER TABLES

|	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI	2700K	0.82
	3000K	0.83
	3500K	0.84
	4000K	0.86
	5000K	0.90

PHOTOMETRY

RNDS-2-L83/835-FXA Total Luminaire Output: 8197 lumens; 85.0 Watts | Efficacy: 96.4 lm/W | 80.0 CRI; 3500K CCT
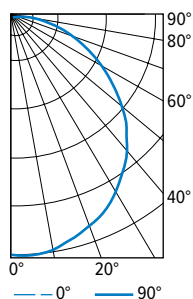
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2844	2844	2844	
5	2860	2840	2827	270
15	2764	2754	2744	776
25	2558	2548	2551	1178
35	2272	2265	2252	1416
45	1922	1876	1889	1457
55	1463	1443	1453	1307
65	1004	1001	1004	992
75	555	559	539	584
85	186	176	183	216
90	76	83	86	

ZONE	LUMENS	% FIXTURE
0 - 30	2224	27
0 - 40	3640	44
0 - 60	6405	78
0 - 90	8197	100
0 - 180	8197	100

**RNDS-3-L150/835-FXA** Total Luminaire Output: 15114 lumens; 136.3 Watts | Efficacy: 110.9 lm/W | 80.0 CRI; 3500K CCT
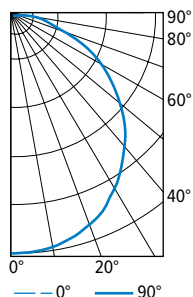
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	5225	5225	5225	
5	5206	5202	5204	495
15	5034	5050	5050	1424
25	4684	4695	4689	2161
35	4155	4146	4180	2602
45	3456	3490	3490	2690
55	2711	2704	2709	2418
65	1848	1871	1850	1841
75	988	1024	974	1061
85	322	329	307	376
90	123	129	120	

ZONE	LUMENS	% FIXTURE
0 - 30	4080	27
0 - 40	6682	44
0 - 60	11790	78
0 - 90	15068	100
0 - 180	15114	100

RNDS-4-L200/835-FXA Total Luminaire Output: 20070 lumens; 147.7 Watts | Efficacy: 135.9 lm/W | 80.0 CRI; 3500K CCT
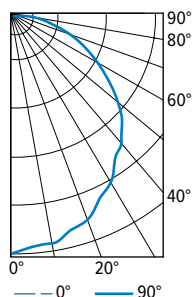
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	7356	7356	7356	
5	7102	7096	7090	678
15	6803	6794	6797	1924
25	6157	6149	6154	2858
35	5367	5357	5364	3388
45	4700	4691	4697	3574
55	3598	3592	3604	3188
65	2477	2464	2480	2432
75	1313	1316	1316	1430
85	467	475	475	547
90	185	188	188	

ZONE	LUMENS	% FIXTURE
0 - 30	5461	27
0 - 40	8849	44
0 - 60	15611	78
0 - 90	20019	100
0 - 180	20070	100

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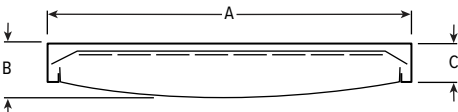Information contained herein is subject to change without notice.   REV.01/17/24.JL

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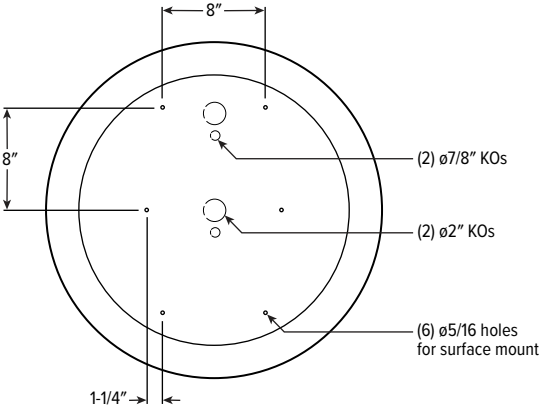Page 2 of 4

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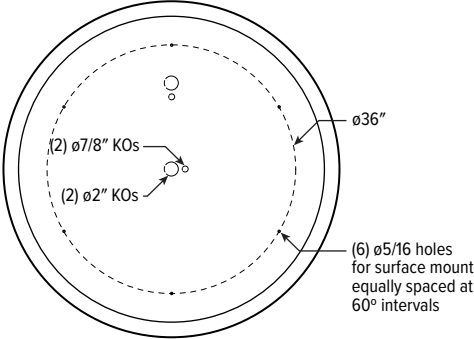## Round Architectural Surface Mount

CROSS SECTION

FIXTURE SIZE	A (DIA.)	B	C
2'	ø26-3/16"	6-11/16"	5-1/8"
3'	ø36-11/16"	7-3/16"	5-1/8"
4'	ø48-11/16	7-11/16"	5-1/8"

MOUNTING DETAILS

2' MOUNTING INFORMATION

(2) ø7/8" KOs
(2) ø2" KOs
(6) ø5/16 holes for surface mount

4' MOUNTING INFORMATION

ø36"
(2) ø7/8" KOs
(2) ø2" KOs
(6) ø5/16 holes for surface mount equally spaced at 60° intervals

3' MOUNTING INFORMATION

(2) ø7/8" KOs
(2) ø2" KOs
(6) ø5/16 holes for surface mount
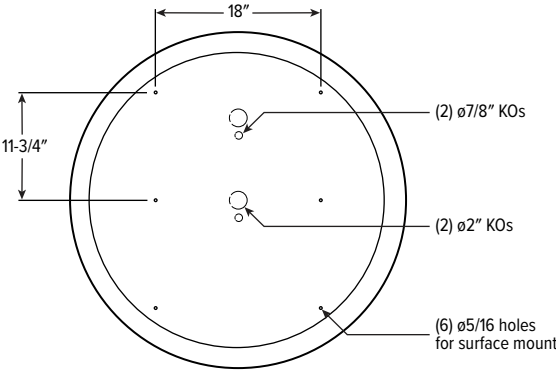
REMOTE MOUNT BATTERY

Max remote distance 50'.

Hex box (by others)
Remote driver box
Fixture
Test light
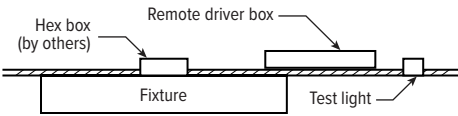
SUSPENDED MOUNTING OPTIONS

AIRCRAFT CABLE

| ORDERING EXAMPLE: ACF*3P/D48		
PREFIX	TYPE	LENGTH
ACF*3P Three point mount [1]	**D** 1" grid & hardpan	**24** 24"
	N 9/16" grid	**48** 48"
ACF*4P Four point mount [2]	**S** Slot grid	**96** 96"
		144 144"
		192 192"
		240 240"
		300 300"

[1] 2' and 3' only.
[2] 4' only.

CORD OPTIONS

Units specified with aircraft cable require cord. Please specify cord type using ordering information below. Long fixture rows may require multiple feed points based on 18ga conductor size.

EXAMPLE: S2438D/W				
CORD TYPE	LENGTH	# OF COND. [1]	WIRE SIZE	COLOR
S	**24** 24"	**3**	**8D** 18ga	**/W** White
	48 48"	**4**		**/B** Black
	96 96"	**5**		
		6		

[1] Includes (2) 22ga purple & pink dimming conductors

### STANDARD HARDWARE (Grid & Hardpan)
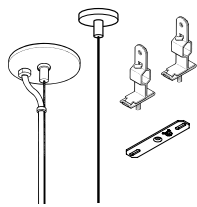
- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- One 5" canopy used at power feed location to cover the junction box. Other suspension points use 2" canopy at the non-feed point. No J-box is required at non-feed points.

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FINISH OPTIONS

WHITE	BLACK	BRONZE	NICKEL	SILVER	ALUM
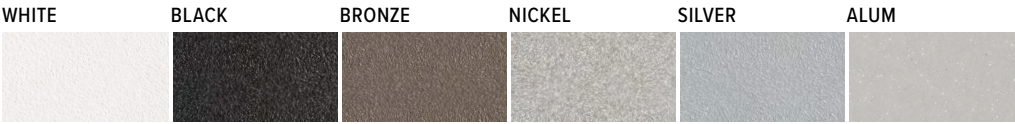
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1″ square.

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Spans small offices to large warehouses
- Flexible control strategies

Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.
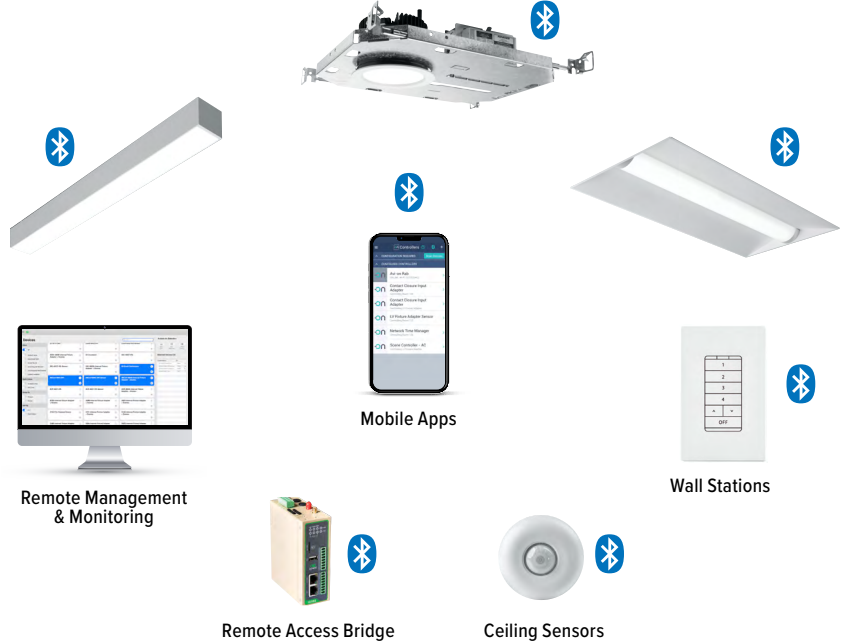
Commissioning Mobile App

Zone Scanner Web App

Commissioning Pro App

SYSTEM COMPONENTS

Mobile Apps

Remote Management & Monitoring

Wall Stations

Remote Access Bridge

Ceiling Sensors

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ACCESSORIES

WALL STATIONS

AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered

NETWORK

AVI-RAB-LTE	Remote access bridge
AVI-KIT-NTM	Network time manager with battery backup

CEILING MOUNT SENSORS

AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see hew.com/avi-on

ADDITIONAL CONTROL/DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at hew.com/product-builder.

CATALOG NUMBER	DESCRIPTION
AVI-LVFA/DA	Avi-on wireless fixture control for use with driver with 12V auxiliary power
AWNR/DA	Lutron Athena wireless node integral fixture control, RF only, for use with driver with 12V auxiliary power
AWNR/DSR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2)
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

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