



## Series Spec Sheet

# ORBIT MINI – RSR

## PULL DOWN ADJUSTABLE MULTIPLE LUMINAIRE

### Three height positions on multi-spot

The Pull Down Orbit Mini RSR series can house from one to four light sources. This is the ideal fixture for commercial office, residential, retail, restaurant and hotel lighting projects that require the beauty of recessed lighting. Each head is extractable to three height positions for ease of aiming.

### FEATURES AND SPECIFICATIONS

#### • Specifications

- Non-IC new construction or existant ceiling

#### Material

- Diecast aluminum
- Optical compartment and metal backbox

#### Installation

- Integral wire connection box
- Integral transformer for T-bar & drywall ceiling available

#### Adjustable

- Universal joint for independent adjustment of each gimbal head, horizontal 356°, vertical 56°
- There are three height positions for each separate gimbal.

#### Beam angle:

- Spot: 19° to 26°
- Medium: 24° to 30°
- Flood: 38° to 43°
- Wide: 80° to 83°

#### • Lamp/Driver

##### PER HEAD

**S1**  
LED 13 W  
1 100 lm at 3 000 K, 80+ CRI

**S2**  
LED 18 W  
1 750 lm at 3 000 K, 80+ CRI

**S3**  
LED 23 W  
2 410 lm at 3 000 K, 80+ CRI

#### Driver

- Integral electronic
- Dimmable with Leading Edge and Trailing Edge dimmers

#### • Compliances

- CSA Certified to C22.2 #250, UL1598
- ICES 005

**5** yrs  
warranty

ICES  
005



LED  
fixture



### OVERVIEW

Light source	LED
Watts (W)	13, 18, 23
Lumen output (lm per head)	1 100 - 2 410
Efficiency (lm/W per head)	85 - 105
Color temperature (K)	2 700, 3 000, 3 500, 4 000
CRI	80+, 90+
Weight (lbs)	2 - 10

**ORDERING GUIDE**

RSR	—	L	—	—	—	—	—	—	—	—	—	—	—
Series	LED Configuration	LED	Lumen package (lm per head)	CRI	Volts (V) <sup>1</sup>	Housing and gimbal color	Trim color	Color temp. (K)	Reflector (one per gimbal)				
									1	2	3	4	
RSR	1 - 1 head 2 - 2 heads 3 - 3 heads 4 - 4 heads	L - LED	S1 - 1 100 S2 - 1 750 S3 - 2 410	80 - 80+ 90 - 90+	A - 120 H - 347	B - Black W - White	B - Black W - White	27K - 2 700 30K - 3 000 35K - 3 500 <sup>2</sup> 40K - 4 000	S - Spot M - Medium F - Flood W - Wide	S - Spot M - Medium F - Flood W - Wide	S - Spot M - Medium F - Flood W - Wide	S - Spot M - Medium F - Flood W - Wide	

<sup>1</sup> For other voltages, please consult with manufacturer.  
<sup>2</sup> Only available with CRI 80+.

**TECHNICAL SPECIFICATION TABLE**

Lumen package	Watts (W)	Volts (V)	3 000 K		CRI	Life L70 (hrs)	Type of distrib.	Power factor	THD (%)
			Lumen (lm)	Efficiency (lm/W)					
S1	13	120	1 113	86	80+	50 000	Medium	>0.9	<20
S2	18	120	1 755	98	80+	50 000	Medium	>0.9	<20
S3	23	120	2 460	107	80+	50 000	Medium	>0.9	<20

**ACCESSORY (order separately)**

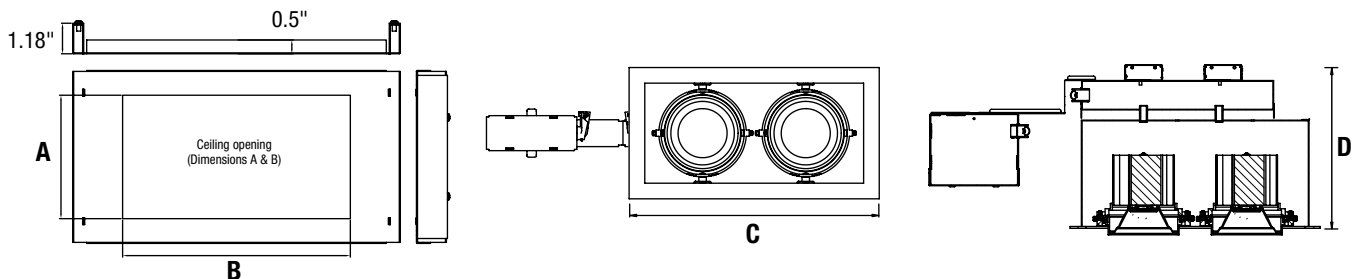
**Optional plaster frame**

Part Number	Quantity of head	Dim. A (in)	Dim. B (in)	Dim. C (in)	Dim. D (in)
PF-RSR-1	1 head	5.04	5.04	5.51	6.69
PF-RSR-2	2 heads	5.04	8.98	9.45	6.69
PF-RSR-3	3 heads	5.04	12.91	13.39	6.69
PF-RSR-4	4 heads	5.04	16.85	17.32	6.69

Note: Need to use the plaster frame for t-bar ceiling.

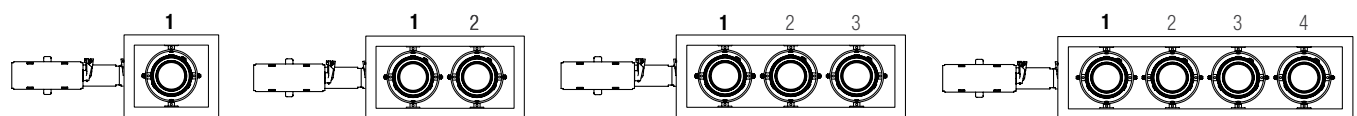
**DIMENSIONS**

Note: Refer to the dimensions of the ACCESSORY table.



**REFLECTOR POSITIONING GUIDE**

One individual reflector per gimbal. Please specify in the ordering guide.  
 Note: The first reflector (1) is always positioned next to the junction box.

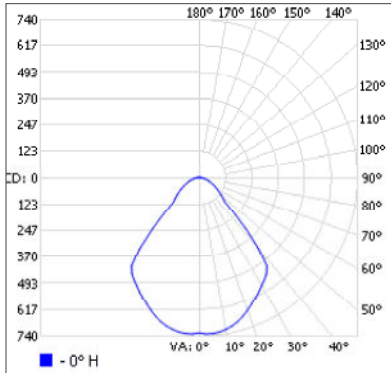


Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.  
 All products are subject to change or may be discontinued any time without notice.

**PHOTOMETRIC DATA<sup>1</sup>**

**RSR-1LS180-W-WW-30K-W • 1 299.8 lm**

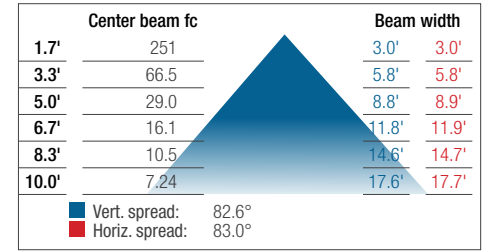
**Polar candela distribution**



**Zonal lumen summary**

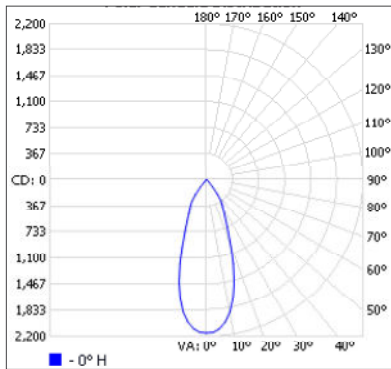
Zone	Lumens	% Fixture
0-30	551.3	42.4%
0-40	885.8	68.1%
0-60	1 176.3	90.5%
60-90	120.3	9.3%
70-100	55.7	4.3%
90-120	3.1	0.2%
0-90	1 296.6	99.8%
90-180	3.1	0.2%
0-180	1 299.8	100.0%

**Illuminance at a distance**



**RSR-1LS180-W-WW-30K-F • 1 130.8 lm**

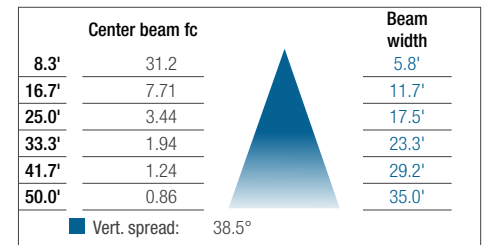
**Polar candela distribution**



**Zonal lumen summary**

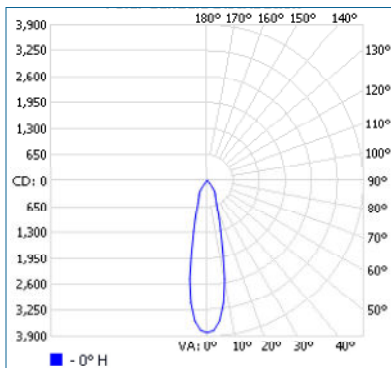
Zone	Lumens	% Fixture
0-30	903.0	79.9%
0-40	1 105.7	97.8%
0-60	1 130.8	100%
60-90	0	0%
70-100	0	0%
90-120	0	0%
0-90	1 130.8	100%
90-180	0	0%
0-180	1 130.8	100%

**Illuminance at a distance**



**RSR-1LS180-W-WW-30K-M • 1 113.3 lm**

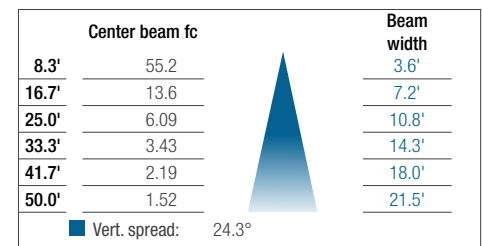
**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	923.5	82.9%
0-40	1 096.8	98.5%
0-60	1 113.3	100%
60-90	0	0%
70-100	0	0%
90-120	0	0%
0-90	1 113.3	100%
90-180	0	0%
0-180	1 113.3	100%

**Illuminance at a distance**



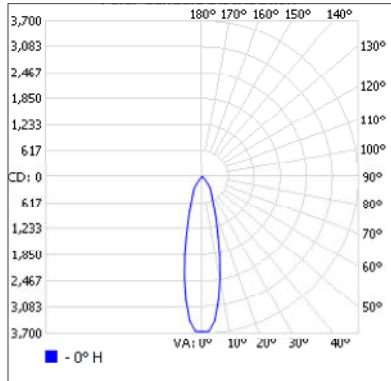
<sup>1</sup> Complete IES files available on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

**PHOTOMETRIC DATA<sup>1</sup> (cont'd)**

RSR-1LS180-W-WW-30K-S • 1 177.5 lm

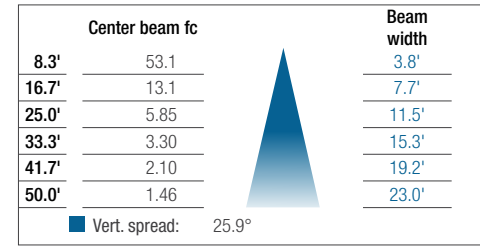
**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	972.6	82.60%
0-40	1 157.1	98.30%
0-60	1 177.5	100%
60-90	0	0%
70-100	0	0%
90-120	0	0%
0-90	1 177.5	100%
90-180	0	0%
0-180	1 177.5	100%

**Illuminance at a distance**



<sup>1</sup> Complete IES files available on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.