

ORBIT – R12R

ADJUSTABLE MULTIPLE LED LUMINAIRE

The Orbit R12R series is our LED recessed multi-spot. Whether you're designing a completely new commercial venue or planning a renovation, the Orbit R12R offers the flexibility for either of those options with the same housing. This is the ideal fixture for commercial office, residential, retail, restaurant and hotel lighting projects that require the beauty of recessed lighting.



OVERVIEW			
LIGHT SOURCE	LED	EFFICACY (LM/W)	88 - 108
WATTS (W)	23, 33, 45, 52	COLOR TEMPERATURE (K)	2 700, 3 000, 3 500, 4 000
LUMEN OUTPUT (LM)	2 200 - 5 000	CRI	80+ , 90+
  LED  ICES 005			

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.



FEATURES & 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°

Beam angle

- Spot: 23°
- Medium: 27°
- Flood: 35°

LAMP/DRIVER

PER HEAD¹

A1

LED 23 W
2 200 lm at 3 000 K, 80+ CRI
or 1 800 lm at 3 000 K, 90+ CRI

A2

LED 33 W
3 000 lm at 3 000 K, 80+ CRI
or 2 400 lm at 3 000 K, 90+ CRI

A3

LED 45 W
4 300 lm at 3 000 K, 80+ CRI
or 3 600 lm at 3 000 K, 90+ CRI

A4

LED 52 W
5 000 lm at 3 000 K, 80+ CRI
or 4 100 lm at 3 000 K, 90+ CRI

Driver

- 0-10 V dimming in option
- Estimated lifespan of over 50 000 hours to L70

COMPLIANCES

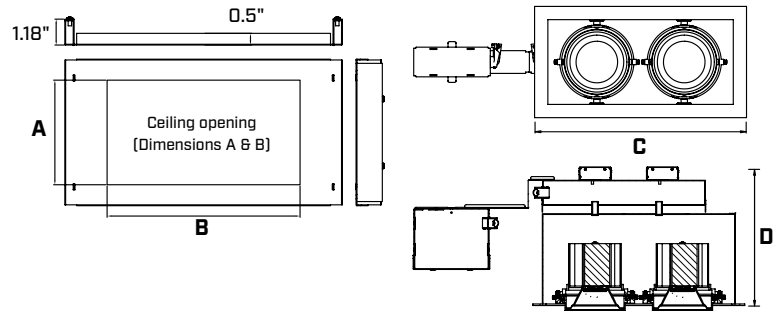
- CSA Certified to C22.2 #250, UL1598
- ICES 005

¹ Lumens are based on 36° flood beam angle.

R12R

DIMENSIONS

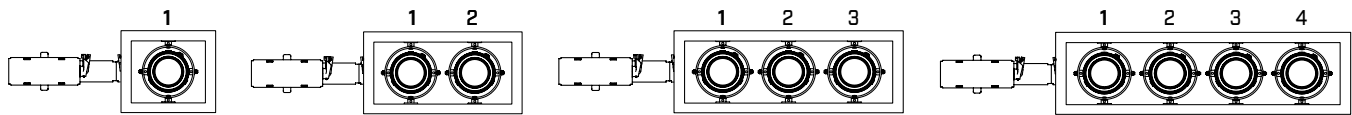
QTY OF HEAD	DIM. A IN [CM]	DIM. B IN [CM]	DIM. C IN [CM]	DIM. D IN [CM]
1 HEAD	7.28 [18.5]	7.4 [19.0]	8.27 [21.0]	10.3 [26.0]
2 HEADS	7.28 [18.5]	14.76 [37.5]	15.75 [40.0]	10.3 [26.0]
3 HEADS	7.28 [18.5]	21.26 [54.0]	22.25 [56.5]	10.3 [26.0]
4 HEADS	7.28 [18.5]	27.76 [70.5]	28.74 [73.0]	10.3 [26.0]



REFLECTOR POSITIONING GUIDE

One individual reflector per gimbal. Please specify in the ordering guide.

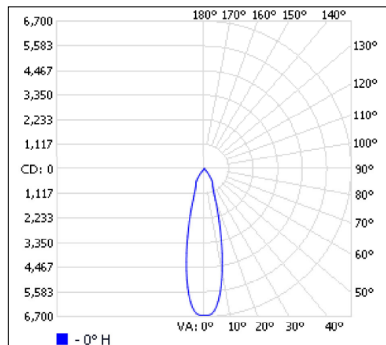
Note: The first reflector (1) is always positioned next to the junction box.



PHOTOMETRIC DATA¹

R12R-1LA180-4-XXX/30K/M • 2 105 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 769.1	84
0-40	2 073.3	98.5
0-60	2 105.2	100
60-90	0	0
70-100	0	0
90-120	0	0
0-90	2 105.2	100
90-180	0	0
0-180	2 105.2	100

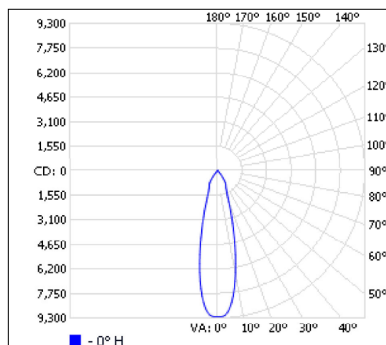
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC	BEAM WIDTH
1.7'	2 293
3.3'	609
5.0'	265
6.7'	148
8.3'	96.2
10.0'	66.3
0.8'	0.8'
1.6'	1.6'
2.4'	2.4'
3.2'	3.2'
4.0'	4.0'
4.8'	4.8'

■ Vert. Spread: 27.0° ■ Hor. Spread: 27.1°

R12R-1LA280-4-XXX/30K/M • 2 921 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2 455.1	84
0-40	2 877.3	98.5
0-60	2 921.5	100
60-90	0	0
70-100	0	0
90-120	0	0
0-90	2 921.5	100
90-180	0	0
0-180	2 921.5	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC	BEAM WIDTH
1.7'	3 183
3.3'	845
5.0'	368
6.7'	205
8.3'	134
10.0'	92
0.8'	0.8'
1.6'	1.6'
2.4'	2.4'
3.2'	3.2'
4.0'	4.0'
4.8'	4.8'

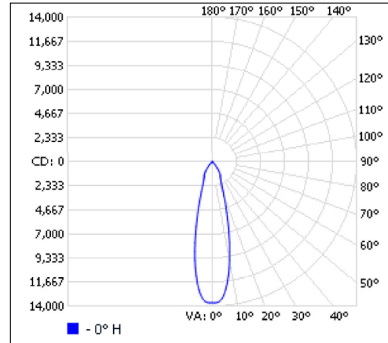
■ Vert. Spread: 27.0° ■ Hor. Spread: 27.1°

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

R12R-1LA380-4-XXX/30K/M • 4 339 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	3 646.6	84
0-40	4 273.6	98.5
0-60	4 339.3	100
60-90	0	0
70-100	0	0
90-120	0	0
0-90	4 339.3	100
90-180	0	0
0-180	4 339.3	100

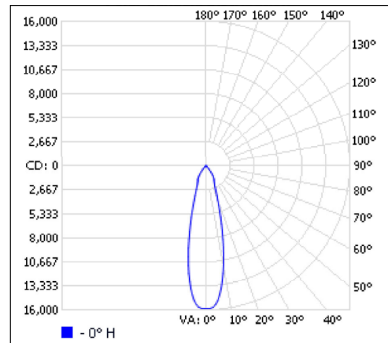
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	4 727	0.8'	0.8'
3.3'	1 254	1.6'	1.6'
5.0'	546	2.4'	2.4'
6.7'	304	3.2'	3.2'
8.3'	198	4.0'	4.0'
10.0'	137	4.8'	4.8'

■ Vert. Spread: 27.0° ■ Hor. Spread: 27.1°

R12R-1LA180-4-XXX/30K/M • 5 026 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	4 224.3	84
0-40	4 950.6	98.5
0-60	5 026.7	100
60-90	0	0
70-100	0	0
90-120	0	0
0-90	5 026.7	100
90-180	0	0
0-180	5 026.7	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	5 476	0.8'	0.8'
3.3'	1 453	1.6'	1.6'
5.0'	633	2.4'	2.4'
6.7'	353	3.2'	3.2'
8.3'	230	4.0'	4.0'
10.0'	158	4.8'	4.8'

■ Vert. Spread: 27.0° ■ Hor. Spread: 27.1°

¹ Complete IES files available on our website.