

Client:	
Order #:	
Project:	
Type:	

PERFORMANCE DATA

CRI

80+

CCT

3500K, 4000K, 5000K

Projected Lifetime

>173,000 Hours (L70);
>50,000 Hours (L90)

Dimming

0-10V Dimming Standard,
100% down to 10%

Operating Temperature

-20°C to 40°C Ambient

UL Listed

CULUS, Suitable for dry and damp locations

Warranty

5 year Standard
10 year Optional

DESCRIPTION

The RCH round series is a functional and multi-purpose channel family that incorporates premium performance and construction durability. The performance and application versatility makes this fixture usable in every application. This fixture can be installed using various mounting methods and numerous options and accessories are available (see Page 3). The RCH round series can be the illumination solution in commercial, industrial, institutional and retail applications. An excellent choice for storage/utility areas, coves, display cases, shops, task and general area lighting.

FEATURES

- Die formed channel.
- Powder coated white enamel finish after fabrication.
- Numerous KOs for easy installation.
- Also available in tandem 8' lengths, & tandem wired 16' lengths.
- UL listed for damp location
- LED driver is 0-10V dimming standard.
- Operating Temperature: -20°C to 40°C Ambient
- OPTICS: Architectural frosted diffuse lens eliminates pixelation, improves uniformity and minimizes glare.
- Performs at up to 130 lumens per watt; CRI: 80+
- Switchable CCT allows users to select between 5000K, 4000K, and 3500K in the field by simply switching an easily accessible three position switch.

ORDERING INFORMATION

RCH						
	B	C	D	E	F	G

A	FIXTURE SERIES	
	RCH	Round Architectural LED Channel Luminaire
B	LENGTH	
	2	2'
	4	4'
	8	8'
C	WATTAGES/LUMENS (2')	
	22	22W/2350 ¹
	WATTAGES/LUMENS (4')	
	22	22W/2860 ¹
	28	28W/3640 ¹
	36	36W/4680 ¹
	44	44W/5720 ¹
	WATTAGES/LUMENS (8')	
	48	48W/6240 ¹
	68	68W/8840 ¹
	90	90W/11700 ¹

D	CCT	
	354050	3500K-4000K-5000K
E	VOLTAGE	
	U	120-277V
F	OPTIONS	
	E	Emergency
	M	Motion Sensor ²
G	WARRANTY³	
	BLANK	5 Year Warranty
	10	10 Year Warranty
	10L	10 Year Warranty including labor

¹ Delivered Lumens (4000K)

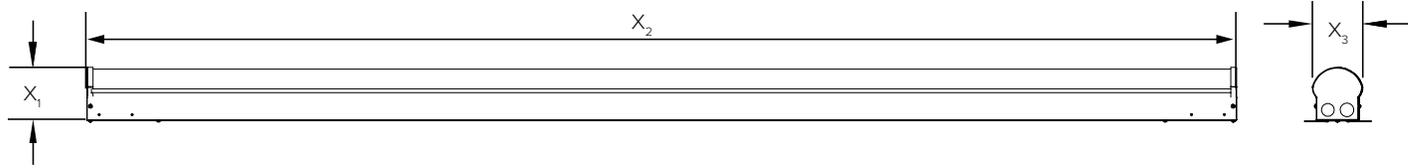
² For more information on the Motion Sensor features and benefits see Page 3

³ 5 Year Warranty is Standard unless specified



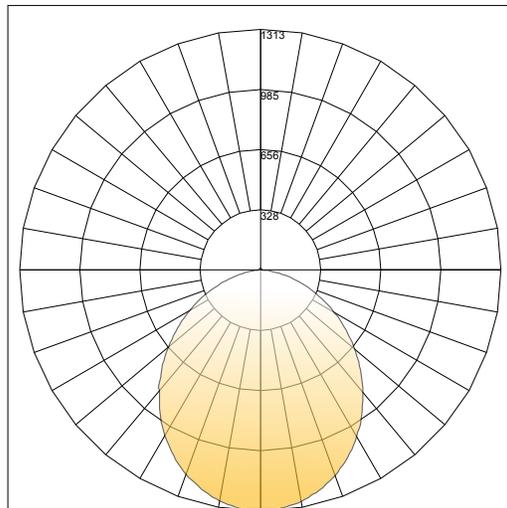
DIMENSIONS

	X ₁	X ₂	X ₃
4'	3.59"	47.63"	2.87"
8'	3.59"	92.91"	2.87"



PHOTOMETRIC

POLAR GRAPH 4' 36W 354050



Maximum Candela = 1341781 Located At Horizontal Angle = 0, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

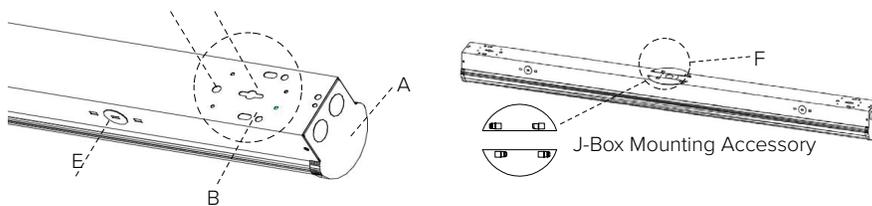
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	177	177	177	177	113	113	113	113	106	106	106	100	100	100	94	94	94	92
1	105	99	94	89	101	96	91	87	90	86	83	85	82	79	80	77	75	72
2	95	85	78	71	91	83	76	70	78	72	67	73	68	64	69	65	62	59
3	86	75	66	59	83	72	64	58	68	61	55	64	58	54	61	56	52	49
4	78	66	57	50	75	64	55	49	60	53	47	57	52	46	54	48	44	42
5	72	59	49	42	59	57	48	42	54	46	41	51	44	39	48	43	38	36
6	66	53	44	37	64	51	43	36	49	41	35	46	40	34	44	38	33	31
7	62	48	39	32	59	47	38	32	44	37	31	42	35	30	40	34	30	28
8	57	44	35	29	55	42	34	29	40	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	48	36	28	23	34	28	23	33	27	22	32	26	22	20

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Angle In Degrees	Angle In Degrees	Angle In Degrees
45	13954	7851	7168
55	12315	6298	5915
65	10372	5026	4885
75	7707	4015	4061
85	3550	3250	3410

MOUNTING DETAILS



A:	End Cap
B:	Suspension-mount with v-hook
C:	Surface Mount
D:	T-Bar Clip Mounting hole
E:	Wiring Knockout

ACCESSORIES (ORDERED AND SHIPPED SEPARATELY)

Mounting

5011003-6	V-hook and Aircraft Cable Suspension Kit - 6'
5011003-10	V-hook and Aircraft Cable Suspension Kit - 10'

MOTION SENSOR OPTION

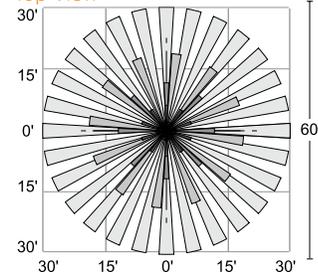


360° FIXTURE PIR SENSOR



- Provides multi-level control based on motion and/or daylight contribution.
- Controls 0-10V VDC dimming LED drivers (or dimming ballasts); can also be used with non-dimming drivers.
- 40' range detector sensitivity.
- All control parameters are adjustable by using the RC-100 remote (sold separately)

Top View



Side View

