



PROJECT: _____
QUANTITY: _____ TYPE: _____

6" MODULAR ACCENT LIGHT

FLUSH FLAT FLANGE / REGRESSED BEVELED FLANGE /
REGRESSED RAZOR EDGE FLANGELESS

LED SERIES / MULTI-MODULE / 4 × 5000 LUMENS / 4" DIAMETER MODULES

RC6-FT4PC / RT4PC / NF4PC

APPLICATION

RC series modular fixture for retail, residential and commercial accent lighting.

FEATURES

Flush Flat Flange for all ceiling types. Regressed Beveled Flanged for clean finished appearance. Regressed Razor Edge Flangeless for plaster ceilings install. Fixture available with 1-4 modules. Fixture modules rotate 359°, lock and tilt to 30° with 1" pull-down for optimal aiming. Easy driver and j-box access. Multi-bar adjustable mounting brackets. Posi-lock trim attachment. Front loading lamp bezel accepts up to two lens/louver options.

TRIM FINISH

A variety of architectural powdercoat finishes for interior of fixture and trim are available.

ELECTRONICS

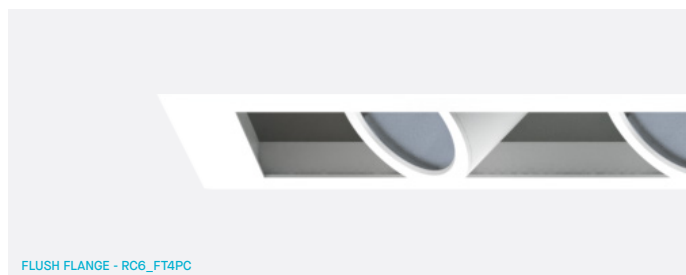
LED system features state of the art, high efficiency LEDs providing consistent stable color with excellent CCT control over the life of the light engine. Base 80 min CRI with 3-step MacAdam ellipse binning. High CRI of 90 min is also available as a standard option. A variety of electronic 120/277V and dimming options are available.

CONSTRUCTION

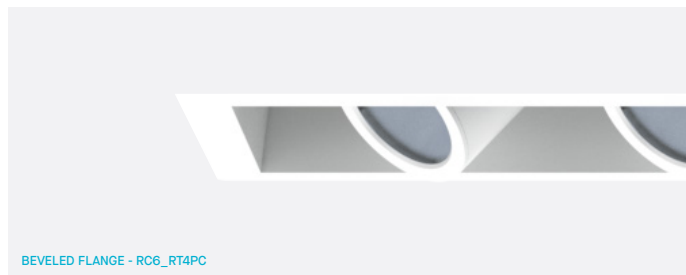
Housing constructed of #20 ga. galvanized steel and powdercoated to resist corrosion. Trim fabricated from aluminum extrusion and finished to specification.

CODE COMPLIANCE

BAA Compliant. Non-IC rated. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL standards No. 1598/8750.



FLUSH FLANGE - RC6_FT4PC



BEVELED FLANGE - RC6_RT4PC



RAZOR EDGE FLANGELESS - RC6_NF4PC

SERIES	LUMENS ¹	CCT	BEAM ³	DRIVER / VOLTAGE ⁴	OPTIONS ⁵	INTERIOR	TRIM ⁷	FINISHES	BAR HANGERS
FLUSH FLAT FLANGE	10L 700 Lm 20L 1400 Lm 30L 2000 Lm 40L 2750 Lm 50L ² 3500 Lm	80 CRI	ND 16° MD 26° WD 36° XW 56°	D1 1% 0-10V, 120V D2 1% 0-10V, 277V	LENS NL No Lens S035 Solite Diffusion GL35 Clear FG35 Frosted SK35 Linear HL35 Hex Louver SN35 ⁶ Snoot	MWI Matte White Interior MBI Matte Black Interior PTI Platinum Silver Interior BZI Bronze Interior CCI Custom Color Interior	FLANGED FT066 FT0612 FT0618 FT0624 BEVELED FLANGE RT266 RT2612 RT2618 RT2624 FLANGELESS NF166 NF1612 NF1618 NF1624	MWMF Matte White MBMF Matte Black PTMF Platinum Silver BZMF Bronze CC Custom Color MW Matte White MB Matte Black PT Platinum Silver BZ Bronze CC Custom Color	BH27 27" Flat Bar CB24 24" C-Channel CB48 48" C-Channel
BEVELED FLANGE		90 CRI			OPTIONS EM Emergency Battery	Reference Color Sheet Located on Product Webpage For Full List of Available Colors.			
FLANGELESS	RC66NF4PC (1 MODULE) RC612NF4PC (2 MODULES) RC618NF4PC (3 MODULES) RC624NF4PC (4 MODULES)	1. Nominal Delivered Lumens 80 CRI at Any CCT with ND, No Lens - Per Module 2. Marked Spacing Required 36" CTC / 0.5" TOP / 18" CTS	3. Beam angles represent one module	4. Contact Factory for Additional Options	5. See Product Page for Details - Only 2 options can be combined 6. Flat Black Finish		7. Inside Trim and Flange Will Match Color Specified	Reference Color Sheet Located on Product Webpage For Full List of Available Colors.	

EXAMPLE: RC624FT4PC10L27KMDD1S034MWIFT0624MWMFBH27

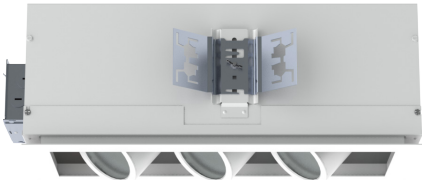


6" MODULAR ACCENT LIGHT

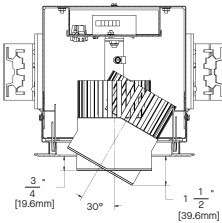


FIXTURE DIMENSIONS

RC6_FT4PC - FLUSH FLAT FLANGE



SIDE VIEW WITH PULL DOWN

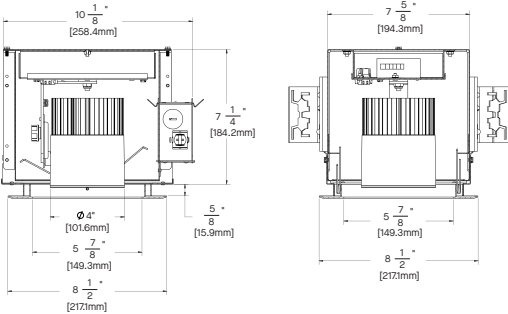


LUMENS / WATTAGE DATA

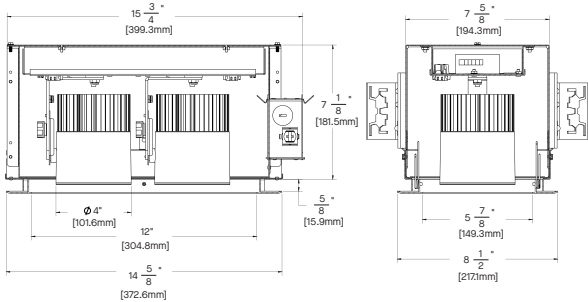
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
RC66_4PC10L	1000	686	7.4	93
RC66_4PC20L	2000	1372	13.2	104
RC66_4PC30L	3000	2059	20.4	101
RC66_4PC40L	4000	2745	28.1	98
RC66_4PC50L	5000	3431	35	98

1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 82 CRI with PC50L 35K WD xx xx LN4AGL

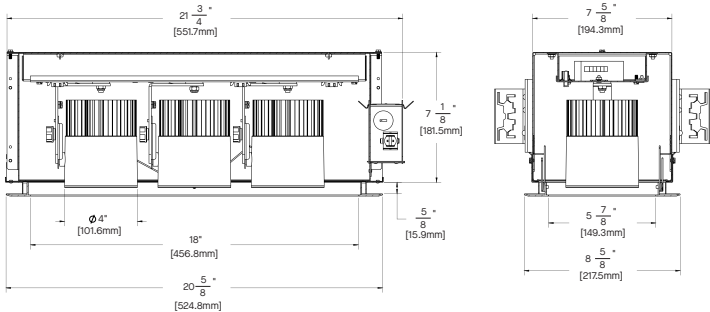
RC66FT4PC (1 MODULE)



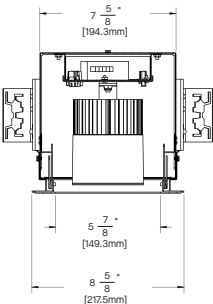
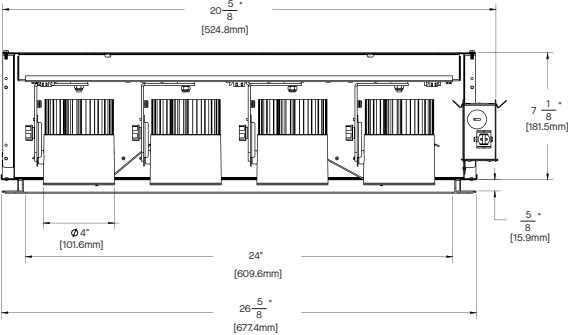
RC612FT4PC (2 MODULE)



RC618FT4PC (3 MODULE)



RC624FT4PC (4 MODULE)

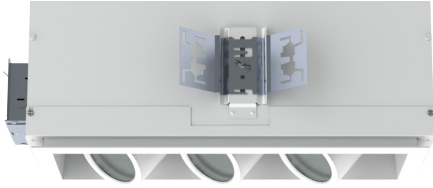


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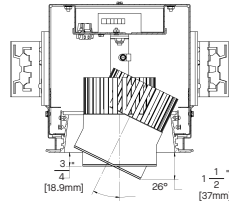


FIXTURE DIMENSIONS

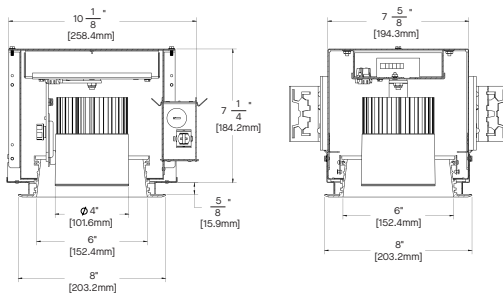
RC6_RT4PC - REGRESSED BEVEL FLANGE



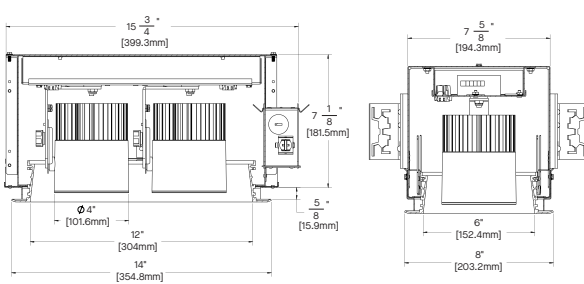
SIDE VIEW WITH PULL DOWN



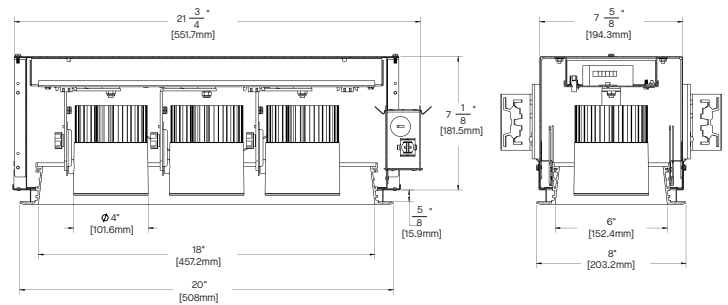
RC6RT4PC (1 MODULE)



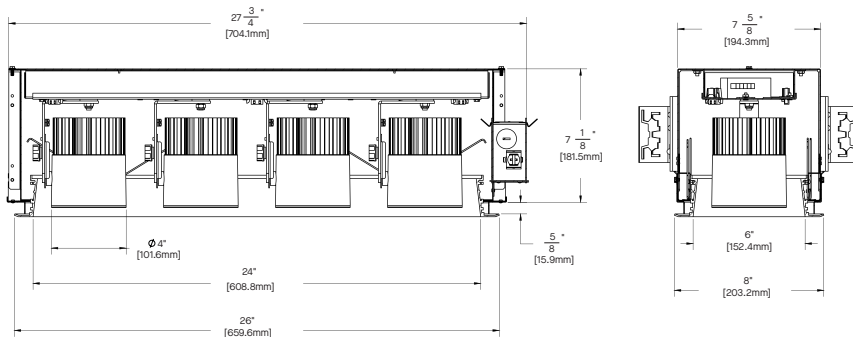
RC612RT4PC (2 MODULE)



RC618RT4PC (3 MODULE)



RC624RT4PC (4 MODULE)

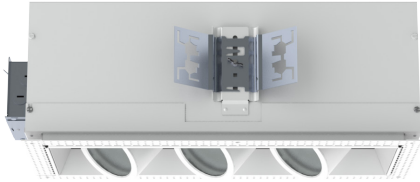


6" MODULAR ACCENT LIGHT

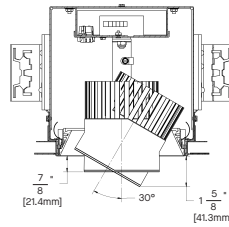


FIXTURE DIMENSIONS

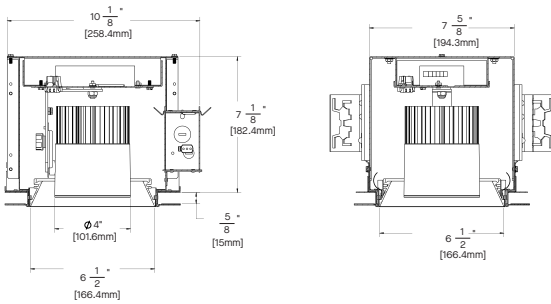
RC6_NF4PC - REGRESSED RAZOR EDGE FLANGELESS



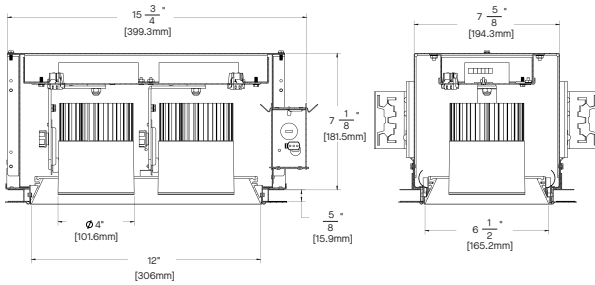
SIDE VIEW WITH PULL DOWN



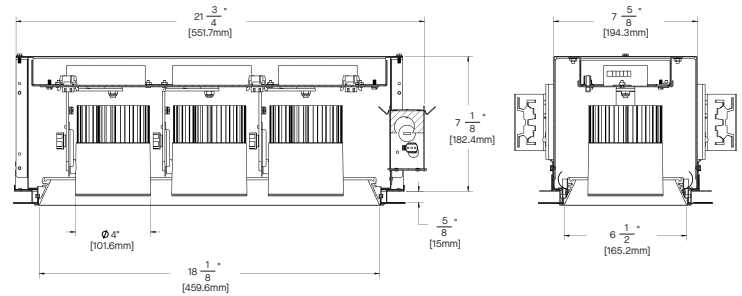
RC66NF4PC (1 MODULE)



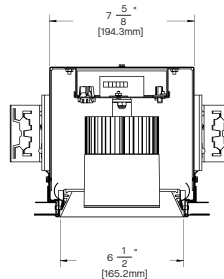
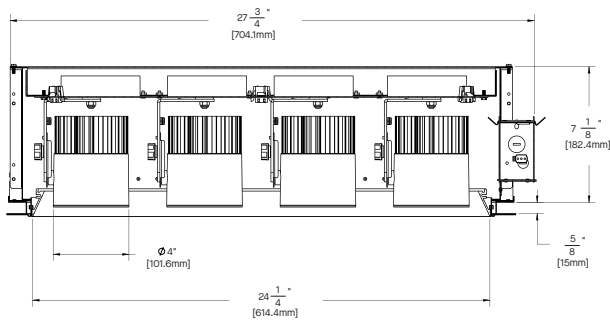
RC612NF4PC (2 MODULE)



RC618NF4PC (3 MODULE)



RC624NF4PC (4 MODULE)



6" MODULAR ACCENT LIGHT



Photometric data shown represents a single module. For multi-module fixtures, use one IES file per module to ensure accurate lighting calculations.

RC664PC 50L 35K ND xx xx NL

CANDLEPOWER CURVE TEST SP-01364	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																					
	0°	0° - 10° 1260 35%	<table><tr><th>Mounting Distance</th><th>FC at Beam Center</th><th>Diameter at Beam Angle</th><th>FC at Beam Edge</th></tr><tr><td>6.5 ' </td><td>439 fc</td><td>2.2 ' </td><td>210 fc</td></tr><tr><td>7.5 ' </td><td>330 fc</td><td>2.6 ' </td><td>158 fc</td></tr><tr><td>8.5 ' </td><td>257 fc</td><td>2.9 ' </td><td>123 fc</td></tr><tr><td>10.0 ' </td><td>186 fc</td><td>3.4 ' </td><td>89 fc</td></tr><tr><td>12.0 ' </td><td>129 fc</td><td>4.1 ' </td><td>62 fc</td></tr><tr><td>14.0 ' </td><td>95 fc</td><td>4.8 ' </td><td>45 fc</td></tr><tr><td>16.0 ' </td><td>73 fc</td><td>5.5 ' </td><td>35 fc</td></tr><tr><td>20.0 ' </td><td>46 fc</td><td>6.9 ' </td><td>22 fc</td></tr></table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	6.5 '	439 fc	2.2 '	210 fc	7.5 '	330 fc	2.6 '	158 fc	8.5 '	257 fc	2.9 '	123 fc	10.0 '	186 fc	3.4 '	89 fc	12.0 '	129 fc	4.1 '	62 fc	14.0 '	95 fc	4.8 '	45 fc	16.0 '	73 fc	5.5 '	35 fc	20.0 '	46 fc	6.9 '	22 fc	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT	
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0° 18567	0° - 20° 2487 69%	<table><tr><th>Ceiling Height</th><th>Fixture Spacing</th><th colspan="2">RCR 4</th><th colspan="2">RCR 6</th></tr><tr><td></td><td></td><th>FC *</th><th>W/Sq. Ft.</th><th>FC *</th><th>W/Sq. Ft.</th></tr><tr><td>18' </td><td>4' </td><td>210</td><td>2.16</td><td>196</td><td>2.17</td></tr><tr><td>22' </td><td>5' </td><td>129</td><td>1.33</td><td>120</td><td>1.34</td></tr><tr><td>26' </td><td>6' </td><td>87</td><td>0.90</td><td>81</td><td>0.90</td></tr></table>				Ceiling Height	Fixture Spacing	RCR 4		RCR 6				FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	4'	210	2.16	196	2.17	22'	5'	129	1.33	120	1.34	26'	6'	87	0.90	81	0.90						
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5° 15216	0° - 30° 3208 90%	<table><tr><td rowspan="3">Delivered Illuminance Rating: (DIR)</td><td colspan="2">97 FC per W/Sq. Ft.</td><td colspan="2">90 FC per W/Sq. Ft.</td></tr></table>				Delivered Illuminance Rating: (DIR)	97 FC per W/Sq. Ft.		90 FC per W/Sq. Ft.																																
Delivered Illuminance Rating: (DIR)	97 FC per W/Sq. Ft.		90 FC per W/Sq. Ft.																																						
	15° 4302	0° - 40° 3408 95%	<table><tr><td colspan="6">1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 3.5' x 1.66 * Average Initial Footcandles at 2.5' Above Floor</td></tr></table>				1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 3.5' x 1.66 * Average Initial Footcandles at 2.5' Above Floor																																		
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25° 1677	0° - 60° 3478 97%																																								
35° 269	0° - 80° 3559 99%																																								
45° 41	0° - 90° 3571 100%																																								
55° 41	Total 3580 100%																																								
90° 2																																									

Delivered Lumens: 3580
Luminaire Watts: 35
LER: 102.29

CP at 0° (Nadir): 18567
CRI: 80

Beam Angle: 20°
Spacing Ratio: 0.33

Lumen Multiplier: 10L x 0.20, 20L x 0.40, 30L x 0.60, 40L x 0.80
CCT Multiplier: 27K x 0.95, 30K x 0.98, 40K x 1.03

RC66_4PC 50L 35K MD xx xx NL

CANDLEPOWER CURVE
TEST SP-01362

INTENSITY
CANDELA
0° AZIMUTH

0°	
0°	13276
5°	11541
15°	4714
25°	1782
35°	205
45°	46
55°	45
90°	1

ZONAL LUMENS

0° - 10°	992	29%
0° - 20°	2321	67%
0° - 30°	3104	89%
0° - 40°	3306	95%
0° - 60°	3382	97%
0° - 80°	3459	99%
0° - 90°	3473	100%
Total	3481	100%

SINGLE UNIT: PERFORMANCE
HORIZONTAL FOOTCANDLES
INITIAL DOWNLIGHT ONLY

Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge
6.5 '	314 fc	2.8 '	147 fc
7.5 '	236 fc	3.2 '	110 fc
8.5 '	184 fc	3.6 '	86 fc
10.0 '	133 fc	4.3 '	62 fc
12.0 '	92 fc	5.1 '	43 fc
14.0 '	68 fc	6.0 '	32 fc
16.0 '	52 fc	6.8 '	24 fc
20.0 '	33 fc	8.5 '	16 fc

MULTIPLE UNITS: PERFORMANCE
80/50/20% REFLECTANCES
HORIZONTAL FOOTCANDLES AND WATTS/SQ FT

Ceiling Height	Fixture Spacing	RCR 3		RCR 5	
		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
18'	6"	94	0.96	93	1.04
22'	7'	73	0.75	57	0.64
26'	8'	49	0.51	56	0.62
Delivered Illuminance Rating: (DIR)		98 FC per W/Sq. Ft.		89 FC per W/Sq. Ft.	
1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor * Exceeds Spacing Ratio by 3%					

Delivered Lumens: 3481
Luminaire Watts: 35
LER: 99.46

CP at 0° (Nadir): 13276
CRI: 80

Beam Angle: 24°
Spacing Ratio: 0.40

Lumen Multiplier: 10L x 0.20, 20L x 0.40, 30L x 0.60, 40L x 0.80
CCT Multiplier: 27K x 0.95, 30K x 0.98, 40K x 1.03

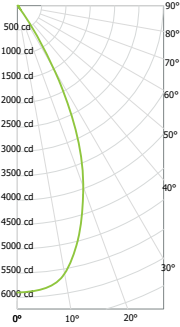
HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law. $FC_H = CP \times (\cos \theta) \div D^2$ Beam Diam. = $\frac{1}{2}$ Beam Angle (Tan) x 2D • CP Candela at 0° (Nadir) • Cos θ Cosine of θ Angle • D Distance (Mounting Height AFF) • FC_H Footcandles, Horizontal • Beam Angle Cone of light to 50% max. CP • Beam Diam. Pattern of light at Beam Angle	Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 2' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR. Delivered Illuminance Rating (DIR*): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated. • To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$ • To estimate Sq. Ft. per fixture for a specific target FC: $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ • To estimate Fixture Quantity in a room: $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$ • To estimate Watts/Sq. Ft.: $\text{W/Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$

6" MODULAR ACCENT LIGHT



RC66_4PC 50L 35K WD xx xx NL

CANDLEPOWER CURVE TEST SP-01366	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																																																												
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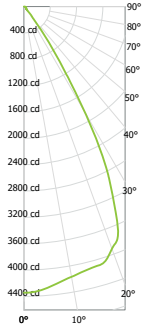
Delivered Lumens: 3620
Luminaire Watts: 35
LER: 103.43

CP at 0° (Nadir): 5899
CRI: 80

Beam Angle: 49°
Spacing Ratio: 0.78

Lumen Multiplier: 10L x 0.20, 20L x 0.40, 30L x 0.60, 40L x 0.80
CCT Multiplier: 27K x 0.95, 30K x 0.98, 40K x 1.03

RC66_4PC 50L 35K XW xx xx NL

CANDLEPOWER CURVE TEST SP-01368	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																																																					
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Delivered Lumens: 3630
Luminaire Watts: 35
LER: 103.71

CP at 0° (Nadir): 4345
CRI: 80

Beam Angle: 58°
Spacing Ratio: 0.96

Lumen Multiplier: 10L x 0.20, 20L x 0.40, 30L x 0.60, 40L x 0.80
CCT Multiplier: 27K x 0.95, 30K x 0.98, 40K x 1.03

HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law. $FC_H = CP \times (\cos \theta) \div D^2$ Beam Diam. = $\frac{1}{2}$ Beam Angle (Tan) x 2D • CP Candela at 0° (Nadir) • Cos θ Cosine of θ Angle • D Distance (Mounting Height AFF) • FC_H Footcandles, Horizontal • Beam Angle Cone of light to 50% max. CP • Beam Diam. Pattern of light at Beam Angle	Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 2' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR. Delivered Illuminance Rating (DIR*): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated. • To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$ • To estimate Sq. Ft. per fixture for a specific target FC: $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ • To estimate Fixture Quantity in a room: $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$ • To estimate Watts/Sq. Ft.: $W / \text{Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$