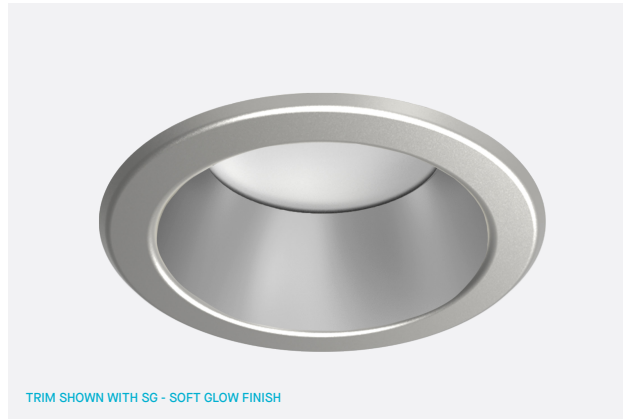


RD6

6" ROUND RECESSED

A versatile 6" round aperture recessed LED fixture, offered in downlight, accent, and wall wash. Available in flanged and flangeless, with a wide range of lumen outputs and optical control options to suit a variety of applications. See page 2 for lumens/wattage data.

PROJECT: _____
 QUANTITY: _____ TYPE: _____



PRODUCT SELECTOR GUIDE

SERIES	LUMENS	CCT	OPTICS	DRIVER / DIMMING / VOLTAGE		OPTIONS			BAR HANGER			TRIM	FINISH	FLANGE FINISH	LENSES
								+		+					
EXAMPLE															
RDF06PC	10L	35K	MD	DS2W1		EM		+	H12	+	RD6FPC	MW		MF	SOX

FIXTURE HOUSING SPECIFICATION

SERIES		LUMENS¹		CCT		OPTICS		DRIVER / DIMMING / VOLTAGE²		EMERGENCY		BAR HANGER OPTIONS³	
FLANGE		80 CRI				DOWNLIGHT		E DO10- DS2W1 AWN	Electronic Driver 1% 0-10v ELV/Triac Athena Wireless Node (RF Module Only)	1 120V 2 277V	EM Integral Emergency Battery	BH27⁴ 27" Solid Bars H12 12" - 24" Expandable Bars CB24 24" C-Channel Bars	
RDF06PC	Downlight	10L	817 Lm	27K	2700K	ND	27°						
RAF06PC	Adjustable	15L	1227 Lm	30K	3000K	MD	46°						
RWF06PC	Wall Wash	20L	1579 Lm	35K	3500K	WD	50°						
		30L	2321 Lm	40K	4000K	XW	52°						
		40L	3064 Lm										
		50L	3757 Lm										
FLANGELESS		90 CRI				ADJUSTABLE							
RDZ06PC	Downlight					ND	26° / 27°						
RAZ06PC	Adjustable					MD	45°						
RWZ06PC	Wall Wash					WD	50°						
		10L	716 Lm	27HK	2700K	XW	55°						
		15L	1075 Lm	30HK	3000K								
		20L	1383 Lm	35HK	3500K								
		30L	2033 Lm	40HK	4000K								
		40L	2684 Lm			WALL WASH							
		50L	3291 Lm			WD	Wide						
						XW	Extra Wide						

AVAILABLE TRIM / MODULE TYPES



TRIM / MODULE SPECIFICATION

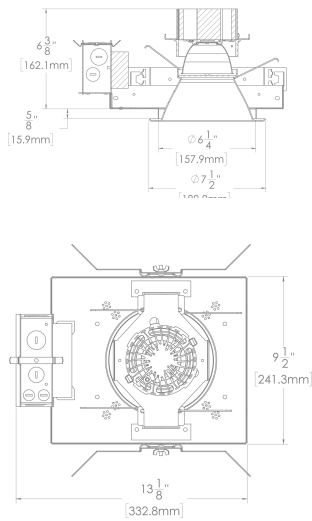
TRIM	FINISH	FLANGE FINISH	LENSES⁹
FLANGE⁵		DOWNLIGHT/ADJUSTABLE	
RD6FPC	Downlight	MF* Matching Flange WF White Flange BF Black Flange SF Platinum Flange CCF Custom Color	SOX Solite Micro Prism Lens
RA6FPC	Adjustable		GLX Clear Glass Lens
RW6FPC	Wall Wash		SOW Solite Micro Prism Lens Wet Location
			GLW Clear Glass Lens Wet Location
FLANGELESS⁵		WALL WASH	
RD6NPC	Downlight	SKX Linear Wall Wash Lens SKW Linear Wall Wash Lens Wet Location	
RA6NPC	Adjustable		
RW6NPC	Wall Wash		
		FLANGELESS	
		No Option Available	
		*Use MF for matching Flange when choosing MW	

NOTES:

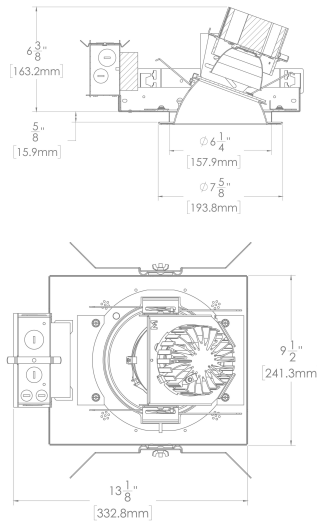
1 Nominal Delivered Lumens at 80CRI at any CCT with MD-SG-MF. 2 Contact Factory for Additional Options. 3 See Products Options Page for Details. 4 Standard Bar Hangers. 5 *F* Indicates Self-Flanged Trim. 6 *N* Indicates Flangeless Trim. 7 Standard Finish (SG). 8 Contact Factory for Special Finishes. 9 Contact Factory for Special Lenses / Louvers. 10 Standard Lens for MD, WD, XW - Dwn & Adj. 11 Standard Lens for ND - Dwn & Adj. 12 Standard Lens for Wall Wash.

HOUSING DIMENSIONS

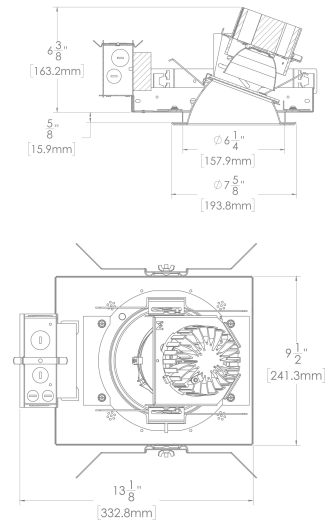
RDF06PC - Downlight



RAFO6PC -Adjustable



RWF06PC - Wall Wash



LUMENS / WATTAGE DATA Nominal Delivered Lumens at 80CRI at any CCT with MD-SG-MF.

RDF06PC - Downlight

PART NUMBER	SOURCE LUMENS	DELIVERED LUMENS	SYSTEM WATTS	LPW
RDF06PC10L	1000	847	6.81	124.38
RDF06PC15L	1500	1227	9.93	123.56
RDF06PC20L	2000	1605	13.88	115.63
RDF06PC30L	3000	2354	20.53	114.66
RDF06PC40L	4000	3074	27.84	110.42
RDF06PC50L	5000	3796	35.1	108

RAFO6PC -Adjustable

PART NUMBER	SOURCE LUMENS	DELIVERED LUMENS	SYSTEM WATTS	LPW
RAFO6PC10L	1000	820	6.8	120.59
RAFO6PC15L	1500	1073	9.98	107.52
RAFO6PC20L	2000	1600	13.87	115.36
RAFO6PC30L	3000	2484	20.54	120.93
RAFO6PC40L	4000	2844	27.96	101.72
RAFO6PC50L	5000	3478	35.23	98.98

RWF06PC - Wall Wash

PART NUMBER	SOURCE LUMENS	DELIVERED LUMENS	SYSTEM WATTS	LPW
RWF06PC10L	1000	659	6.79	97.05
RWF06PC15L	1500	898	9.96	90.16
RWF06PC20L	2000	1269	13.84	91.69
RWF06PC30L	3000	1857	20.48	90.67
RWF06PC40L	4000	2368	28.21	83.94
RWF06PC50L	5000	2679	34.86	76.85

FINISH



FEATURES

Two-stage optical system, for smooth light distribution and focus control. Quick change LED module with interchangeable optics for job site adjustment and fixture maintenance. Shallow plenum design. Tool-less driver and j-box access. Posi-lock trim retention torsion springs.

- Adjustable Accent LED module tilts 30° and rotates 360°.

TRIM FINISH

A variety of architectural powdercoat and anodized finishes 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. Emergency backup version available as standard option.

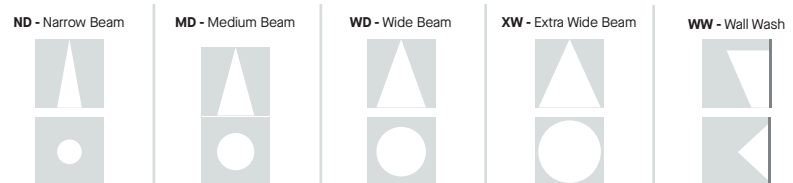
CONSTRUCTION

Housing/frame constructed of #20 ga. Galvanized steel to resist corrosion. Self-flanged or flangeless one-piece trim spun from 0.063" thick high purity aluminum and finished to specification.

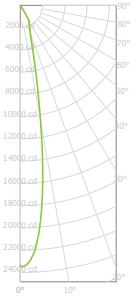
CODE COMPLIANCE

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

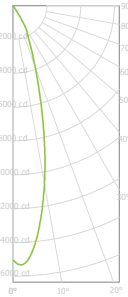
OPTICS



RDF06PC50L35KNDE1-RD6FPCSGMF - Downlight

CANDLEPOWER CURVE TEST SP-R353	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								
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 4		RCR 6				
									FC *	W/Sq. Ft.	FC *	W/Sq. Ft.			
	0.00°	23402	0° - 10°	1515	40%	5.5'	774 fc	1.7'	372 fc	9'	2'	912	8.54	753	7.56
	5.00°	20016	0° - 20°	2812	74%	6.5'	554 fc	2.0'	266 fc	12'	2'	960	8.99	903	9.06
	10.00°	10498	0° - 30°	3672	96%	7.5'	416 fc	2.3'	200 fc	16'	4'	211	1.98	252	2.52
	15.00°	4586	0° - 40°	3795	100%	8.5'	324 fc	2.7'	156 fc	Delivered Illuminance Rating: (DIR)		107 FC per W/Sq. Ft.		100 FC per W/Sq. Ft.	
	20.00°	2619	0° - 60°	3802	100%	10.0'	234 fc	3.1'	112 fc	Recessed Mounting Square rooms used for multiple units: - RCR 4: Length & Width = Ceiling Ht. -2.5' x 2.50 - RCR 6: Length & Width = Ceiling Ht. -2.5' x 1.66 * Average Initial Footcandles at 2.5' Above Floor					
	30.00°	1301	0° - 80°	3805	100%	12.0'	163 fc	3.8'	78 fc						
	40.00°	14	0° - 90°	3806	100%	14.0'	119 fc	4.4'	57 fc						
	50.00°	4	Total	3806	100%	16.0'	91 fc	5.0'	44 fc						
	60.00°	2													
	70.00°	1													
	80.00°	1													
	90.00°	1													
	Delivered Lumens: 3806			CP at 0deg (Nadir): 23402			Beam Angle: 17.77			Lumen Multiplier: 10L x 0.223, 15L x 0.323, 20L x 0.423, 30L x 0.62, 40L x 0.81					
Luminaire Watts: 35.22			CRI: 80+			Spacing Ratio: 0.32			CCT Multiplier: 27K x 0.974, 30K x 0.973, 40K x 1.04, 27HK x 0.773, 30HK x 0.857, 35HK x 0.876, 40HK x 0.888						
LER: 108.06															

RDF06PC50L35KMDE1-RD6FPCSGMF - Downlight

CANDLEPOWER CURVE TEST SP-R352	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								
	0.00°		0° - 10°	1130	30%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5	
	0.00° 15050	0° - 20°	2702	71%	FC *					W/Sq. Ft.	FC *	W/Sq. Ft.			
	5.00° 14312	0° - 30°	3650	96%	9'	2'	997	9.07	757	7.48					
	10.00° 10702	0° - 40°	3783	100%	12'	4'	247	2.25	246	2.43					
	15.00° 6692	0° - 60°	3792	100%	16'	6'	94	0.85	78	0.77					
	20.00° 3795	0° - 80°	3795	100%	Delivered Illuminance Rating: (DIR)		110 FC per W/Sq. Ft.		101 FC per W/Sq. Ft.						
	30.00° 1444	0° - 90°	3796	100%	Recessed Mounting Square rooms used for multiple units: - RCR 3: Length & Width = Ceiling Ht. -2.5' x 3.33 - RCR 5: Length & Width = Ceiling Ht. -2.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor										
	40.00° 14	Total	3796	100%											
	50.00° 5														
	60.00° 2														
	70.00° 1														
	80.00° 1														
	90.00° 1														

Delivered Lumens: 3796

Luminaire Watts: 35.11

LER: 108.12

CP at 0deg (Nadir): 15050

CRI: 80+

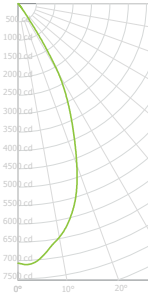
Beam Angle: 23.9

Spacing Ratio: 0.46

Lumen Multiplier: 10L x 0.223, 15L x 0.323, 20L x 0.423, 30L x 0.62, 40L x 0.81

CCT Multiplier: 27K x 0.974, 30K x 0.973, 40K x 1.04, 27HK x 0.773, 30HK x 0.857, 35HK x 0.876, 40HK x 0.888

RDF06PC50L35KWDE1-RD6FPCSGMF - Downlight

CANDLEPOWER CURVE TEST SP-R354	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										
	0.00°		0° - 10°	638	17%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4			
	0.00°	7072	0° - 20°	2135	56%							FC +	W/Sq. Ft.	FC +	W/Sq. Ft.		
	10.00°	6465	0° - 30°	3506	92%							9'	4'	243	2.13	218	2.13
	20.00°	4674	0° - 40°	3794	99%							12'	6'	114	1.00	102	1.00
	30.00°	2216	0° - 60°	3815	100%							16'	8'	56	0.49	51	0.49
	40.00°	100	0° - 80°	3818	100%							Delivered Illuminance Rating: (DIR)		114 FC per W/Sq. Ft.		102 FC per W/Sq. Ft.	
	50.00°	10	0° - 90°	3819	100%							Recessed Mounting Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. -2.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. -2.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor					
	60.00°	3	Total	3819	100%												
	70.00°	2															
	80.00°	1															
	90.00°	1															
Delivered Lumens: 3819																	
CP at 0deg (Nadir): 7072																	
Beam Angle: 45.49																	
Lumen Multiplier: 10L x 0.223, 15L x 0.323, 20L x 0.423, 30L x 0.62, 40L x 0.81																	
CCT Multiplier: 27K x 0.974, 30K x 0.973, 40K x 1.04, 27HK x 0.773, 30K x 0.857, 35HK x 0.876, 40HK x 0.888																	
Spacing Ratio: 0.77																	
Luminaire Watts: 35.15																	
CRI: 80+																	
LER: 108.65																	

RDF06PC50L35KXWE1-RD6FPCSGMF - Downlight

CANDLEPOWER CURVE TEST SP-R355	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																																																																								
	0.00°	0° - 10° 490 13%	<table><thead><tr><th>Mounting Distance</th><th>FC at Beam Center</th><th>Diameter at Beam Angle</th><th>FC at Beam Edge</th></tr></thead><tbody><tr><td>5.5'</td><td>182 fc</td><td>5.9'</td><td>60 fc</td></tr><tr><td>6.5'</td><td>130 fc</td><td>7.0'</td><td>43 fc</td></tr><tr><td>7.5'</td><td>98 fc</td><td>8.1'</td><td>33 fc</td></tr><tr><td>8.5'</td><td>76 fc</td><td>9.1'</td><td>25 fc</td></tr><tr><td>10.0'</td><td>55 fc</td><td>10.8'</td><td>18 fc</td></tr><tr><td>12.0'</td><td>38 fc</td><td>12.9'</td><td>13 fc</td></tr><tr><td>14.0'</td><td>28 fc</td><td>15.1'</td><td>9 fc</td></tr><tr><td>16.0'</td><td>21 fc</td><td>17.2'</td><td>7 fc</td></tr></tbody></table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	5.5'	182 fc	5.9'	60 fc	6.5'	130 fc	7.0'	43 fc	7.5'	98 fc	8.1'	33 fc	8.5'	76 fc	9.1'	25 fc	10.0'	55 fc	10.8'	18 fc	12.0'	38 fc	12.9'	13 fc	14.0'	28 fc	15.1'	9 fc	16.0'	21 fc	17.2'	7 fc	<table><thead><tr><th>Ceiling Height</th><th>Fixture Spacing</th><th colspan="2">RCR 2</th><th colspan="2">RCR 4</th></tr><tr><th></th><th></th><th>FC *</th><th>W/Sq. Ft.</th><th>FC *</th><th>W/Sq. Ft.</th></tr></thead><tbody><tr><td>9'</td><td>4'</td><td>241</td><td>2.13</td><td>215</td><td>2.13</td></tr><tr><td>12'</td><td>6'</td><td>113</td><td>1.00</td><td>101</td><td>1.00</td></tr><tr><td>16'</td><td>10'</td><td>43</td><td>0.38</td><td>28</td><td>0.28</td></tr><tr><td colspan="2">Delivered Illuminance Rating: (DIR)</td><td colspan="2">113 FC per W/Sq. Ft.</td><td colspan="2">101 FC per W/Sq. Ft.</td></tr></tbody></table> Recessed Mounting Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. -2.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. -2.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor	Ceiling Height	Fixture Spacing	RCR 2		RCR 4				FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	9'	4'	241	2.13	215	2.13	12'	6'	113	1.00	101	1.00	16'	10'	43	0.38	28	0.28	Delivered Illuminance Rating: (DIR)		113 FC per W/Sq. Ft.		101 FC per W/Sq. Ft.	
	Mounting Distance	FC at Beam Center		Diameter at Beam Angle	FC at Beam Edge																																																																							
	5.5'	182 fc		5.9'	60 fc																																																																							
	6.5'	130 fc		7.0'	43 fc																																																																							
	7.5'	98 fc		8.1'	33 fc																																																																							
	8.5'	76 fc		9.1'	25 fc																																																																							
	10.0'	55 fc		10.8'	18 fc																																																																							
	12.0'	38 fc		12.9'	13 fc																																																																							
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12'	6'	113	1.00	101	1.00																																																																							
16'	10'	43	0.38	28	0.28																																																																							
Delivered Illuminance Rating: (DIR)		113 FC per W/Sq. Ft.		101 FC per W/Sq. Ft.																																																																								
0.00° 5492	0° - 20° 1816 47%																																																																											
10.00° 4995	0° - 30° 3391 89%																																																																											
20.00° 4453	0° - 40° 3794 99%																																																																											
30.00° 2491	0° - 60° 3820 100%																																																																											
40.00° 132	0° - 80° 3823 100%																																																																											
50.00° 9	0° - 90° 3825 100%																																																																											
60.00° 2	Total 3825 100%																																																																											
70.00° 1																																																																												
80.00° 2																																																																												
90.00° 1																																																																												

Delivered Lumens: 3825
Luminaire Watts: 35.11
LER: 108.94

CP at 0deg (Nadir): 5492
CRI: 80+

Beam Angle: 56.57
Spacing Ratio: 0.93

Lumen Multiplier: 10L x 0.223, 15L x 0.323, 20L x 0.423, 30L x 0.62, 40L x 0.81
CCT Multiplier: 27K x 0.974, 30K x 0.973, 40K x 1.04, 27HK x 0.773, 30HK x 0.857, 35HK x 0.876, 40HK x 0.888

RAF06PC50L35KNDE1-RA6FPCSGMF - Adjustable

CANDLEPOWER CURVE TEST SP-R360	INTENSITY	ZONAL LUMENS	INITIAL FC ON VERTICAL PLANE 30° aiming angle	INITIAL FC ON HORIZONTAL PLANE 30° aiming angle
	CP at 0°	0° - 10° 1370 39%		
	0° 20737	0° - 20° 2622 74%		
	5° 22324	0° - 30° 3238 91%		
	15° 6537	0° - 40° 3518 99%		
	25° 1928	0° - 60° 3536 100%		
	35° 1416	0° - 80° 3540 100%		
	45° 16	0° - 90° 3541 100%		
	55° 6			
	65° 5			
	75° 2			
	85° 1			
	90° 2			

Delivered Lumens: 3541
Luminaire Watts: 35.2
Efficacy: 100.60

CP at 0° (Nadir): 20737

Beam Angle: 18°

Lumen Multiplier: 10L x 0.235, 20L x 0.459, 30L x 0.712, 40L x 0.816
CCT Multiplier: 27K x 0.924, 30K x 1.015, 40K x 1.012, 27HK x 0.707, 30HK x 0.8, 35HK x 0.757, 40HK x 0.932

RAF06PC50L35KMDE1-RA6FPCSGMF - Adjustable

CANDLEPOWER CURVE TEST SP-R359	INTENSITY	ZONAL LUMENS	INITIAL FC ON VERTICAL PLANE 30° aiming angle	INITIAL FC ON HORIZONTAL PLANE 30° aiming angle
	CP at 0°	0° - 10° 1086 31%		
	0° 14394	0° - 20° 2501 72%		
	5° 14296	0° - 30° 3215 92%		
	15° 6249	0° - 40° 3469 99%		
	25° 2140	0° - 60° 3482 100%		
	35° 1132	0° - 80° 3486 100%		
	45° 12	0° - 90° 3487 100%		
	55° 5			
	65° 4			
	75° 2			
	85° 1			
	90° 1			

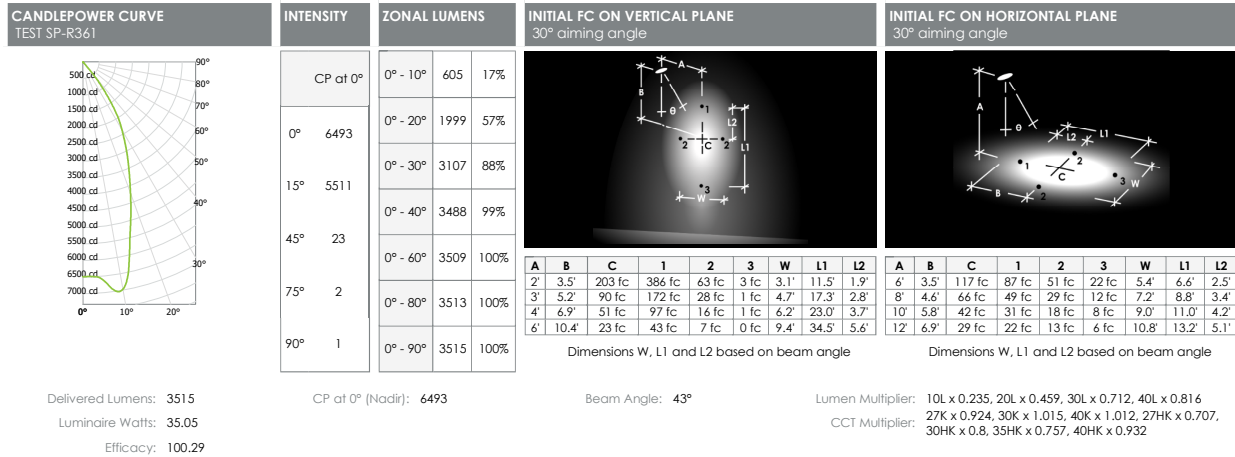
Delivered Lumens: 3487
Luminaire Watts: 35.23
Efficacy: 98.98

CP at 0° (Nadir): 14394

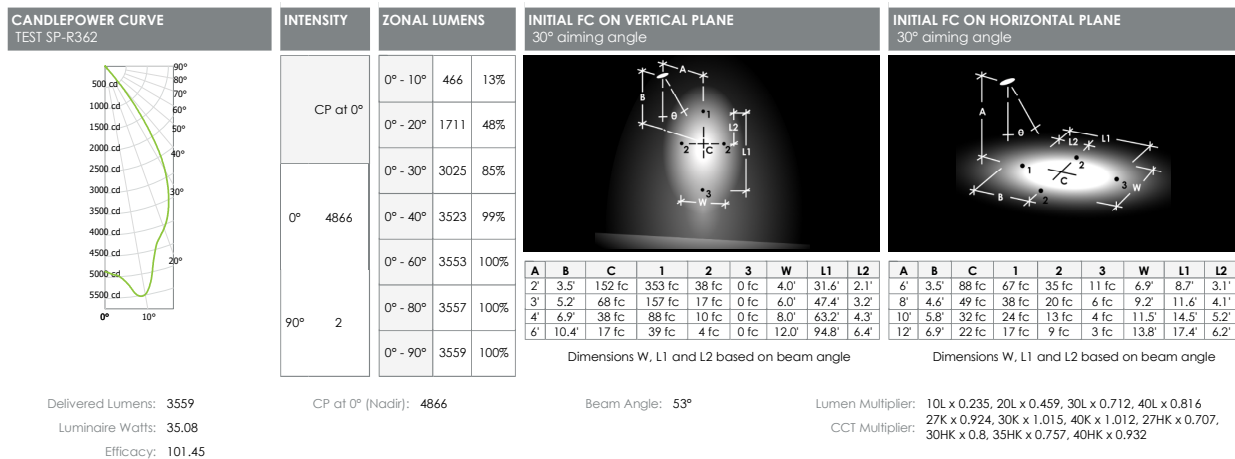
Beam Angle: 23°

Lumen Multiplier: 10L x 0.235, 20L x 0.459, 30L x 0.712, 40L x 0.816
CCT Multiplier: 27K x 0.924, 30K x 1.015, 40K x 1.012, 27HK x 0.707, 30HK x 0.8, 35HK x 0.757, 40HK x 0.932

RAF06PC50L35KWDE1-RA6FPCSGMF - Adjustable



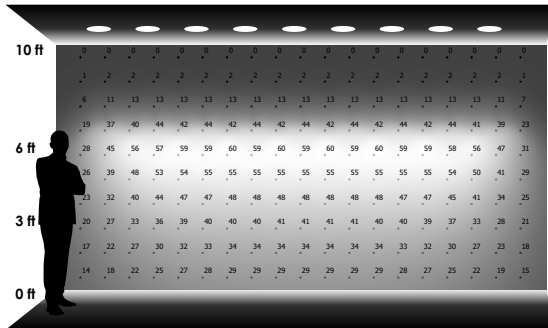
RAF06PC50L35KXWE1-RA6FPCSGMF - Adjustable



RWFO6PC50L35KWDE1-RW6FPCSGMFSKX - Wall Wash

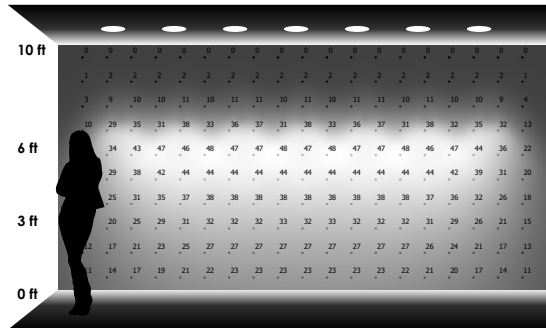
CANDLEPOWER CURVE TEST SP-R357	PERFORMANCE SUMMARY	REFERENCE DIAGRAM
	Delivered Lumens: 2495	
	Luminaire Watts: 35.09	
	LER: 71.10	
	CP at 0deg (Nadir): 4581	
	CRI:	
	Lumen Multiplier: 10L x 0.264, 20L x 0.509, 30L x 0.744, 40L x 0.949	
	CCT Multiplier: 27K x 1.042, 30K x 1.074, 40K x 1.166, 27HK x 0.913, 30HK x 1.152, 35HK x 0.982, 40HK x 0.986	

PERFORMANCE DATA - INITIAL ILLUMINATION (FOOTCANDLES) ON WALL - DIRECT LIGHT ONLY



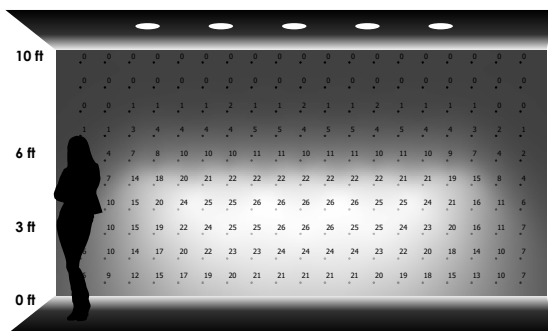
9 LUMINAIRES

2' - 0" away from wall
2' - 0" between luminaires



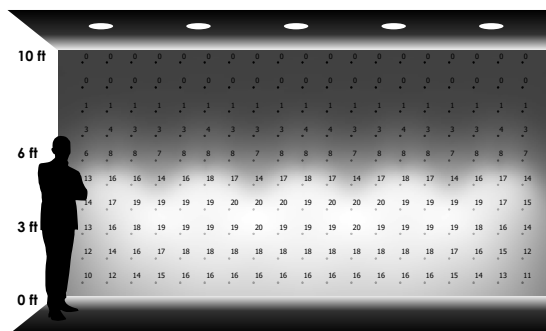
7 LUMINAIRES

2' - 6" away from wall
2' - 6" between luminaires



5 LUMINAIRES

3' - 0" away from wall
3' - 0" between luminaires



5 LUMINAIRES

3' - 0" away from wall
4' - 0" between luminaires

RWFO6PC50L35KXWE1-RW6FPCSGMFSKX - Wall Wash

CANDLEPOWER CURVE TEST SP-R356	PERFORMANCE SUMMARY	REFERENCE DIAGRAM
	Delivered Lumens: 2479 Luminaire Watts: 35.05 LER: 70.73 CP at 0deg (Nadir): 4091 CRI: Lumen Multiplier: 10L x 0.264, 20L x 0.509, 30L x 0.744, 40L x 0.949 CCT Multiplier: 27K x 1.042, 30K x 1.074, 40K x 1.166, 27HK x 0.913, 30HK x 1.152, 35HK x 0.982, 40HK x 0.986	

PERFORMANCE DATA - INITIAL ILLUMINATION (FOOTCANDLES) ON WALL - DIRECT LIGHT ONLY

