



Spectrum Lighting



DUO 2" ROUND

ACCESSIBLE CEILINGS

DOWNLIGHT / ADJUSTABLE ACCENT / WALL WASH

Spectrum's 2" aperture recessed LED downlight fixture is ideal for application where discrete lighting is desired. Suitable for accessible ceilings only. Multiple beam distributions provide flexibility to the lighting designer.

DOWNLIGHT LUMENS / WATTAGE DATA

PART NUMBER	DELIVERED LUMENS	SYSTEM WATTS	LPW
2DL835KM302DMW	772	6.44	120.03
2DL1035KM302DMW	1240	10.99	112.83
2DL1535KM302DMW	1624	14.77	109.95
2DL2035KM302DMW	2293	22.38	102.46

ADJUSTABLE LUMENS / WATTAGE DATA

PART NUMBER	DELIVERED LUMENS	SYSTEM WATTS	LPW
2AL835KM302AMW	665	6.44	103.26
2AL1035KM302AMW	1023	10.99	93.08
2AL1535KM302AMW	1302	14.72	88.45
2AL2035KM302AMW	1952	22.41	87.1

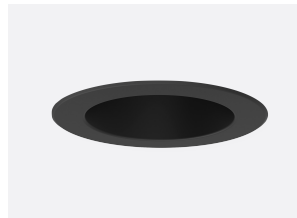
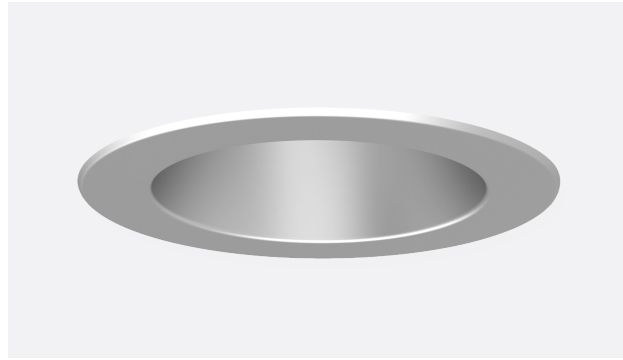
WALL WASH LUMENS / WATTAGE DATA

PART NUMBER	DELIVERED LUMENS	SYSTEM WATTS	LPW
2DL835KM302LW6MW	537	6.45	83.26
2DL1035KM302LW6MW	838	10.98	76.32
2DL1535KM302LW6MW	1085	14.76	73.51
2DL2035KM302LW6MW	1548	22.91	67.57

PROJECT: _____

QUANTITY: _____

TYPE: _____



PRODUCT SELECTOR GUIDE

FRAME-IN KIT	INPUT VOLTAGE	OPTIONS	DLA ASSEMBLY	LUMENS	CCT	OPTIC	DIMMING	OPTIONS	TRIM	TRIM OPTIONS	TRIM FINISH	FLANGE FINISH
2LFK	E1		2DL	10	3K	M30	DX		2D	L9	MB	MF

FIXTURE HOUSING SPECIFICATION

FRAME-IN KIT	INPUT VOLTAGE	OPTIONS	DLA ASSEMBLY	LUMENS	CCT	OPTIC	DIMMING	OPTIONS
2LFK	E1 120 Volt E2 277 Volt	EM Emergency Option	DOWNLIGHT 2DL ADJUSTABLE ACCENT 2AL WALL WASH 2DL	80 CRI 8 772 Lm 10 1240 Lm 15 1624 Lm 20 2293 Lm 90 CRI 8C9 634 Lm 10C9 1018 Lm 15C9 1333 Lm 20C9 1883 Lm Nominal Delivered lumens from Downlight at 35K 80/90 CRI M30	27K 2700K 3K 3000K 35K 3500K 4K 4000K	DOWNLIGHT S20 20° M30 25° W40 32° XW55 39° W Wide Distribution ADJUSTABLE S20 22° M30 29° W40 41° XW55 54° WALL WASH W Wide Distribution 1 Beam Distribution based on open trim 2 Wide Distribution optic is required when using the HC - Honey Comb Louver	0-10V DIMMING OPTIONS DX 1% 0-10V, 120V/277V DA Titanium, 1% Linear (DO10_ / 1%, 0-10V) DD EdoLED, 1% Logarithmic (EL10_ / 1% EdoLED) LUTRON DG Lutron Eco, 1% Linear (DL3E_ / 1% Lutron EcoSystem Fade) FORWARD/REVERSE PHASE DM 120V 2-wire, 1% Linear (DS2W1 / ELV/MLV, 120V)	EM Emergency Option

TRIM / MODULE SPECIFICATION

TRIM	TRIM OPTIONS	TRIM FINISH	FLANGE FINISH / OPTIONS
DOWNLIGHT 2D Open Downlight Trim ADJUSTABLE ACCENT 2A Open Adjustable Trim WALL WASH 2LW6 Lensed Wall Wash Trim	DOWNLIGHT ONLY L5 Diffused Lens L9 Clear Lens HC Honey Comb Louver	MW Matte White MB Matte Black PT Platinum Silver SG Soft Glow CC Custom Color	MF Match Flange WF White Flange CCF Custom Color Flange NF Flangeless Kit 3 Select MF when choosing MW Trim finish and wanting matching flange



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FINISH

MW
Matte WhiteMB
Matte BlackPT
Platinum Silver

PRODUCT FEATURES

FRAME-IN KIT:

Heavy-gauge galvanized steel frame-in with cast-aluminum ceiling clamp collar, is available to ship and preinstall prior to insertion of the downlight (DLA) assembly. Accommodates ceiling thickness up to 1.5 inches. For use in accessible ceilings only. Locking clamp collar firmly attaches frame-in to ceiling material and engages DLA for a firm fit. All DLAs (downlight, adjustable, wall wash) are interchangeable with same frame-in kit. Vertically adjustable mounting brackets accept expandable hanger bars which are included.

DOWNLIGHT ASSEMBLY (DLA):

LED module provides reliable operation and consistent color between fixtures. CRI = 80. Available in 90 CRI. DLA is accessible from below. Accessible ceiling required to access driver which is mounted to junction box cover plate. Quick connectors between DLA and driver.

JUNCTION BOX:

Heavy-gauge galvanized junction box pre-wired with grounding pigtail. Easy access covers.

DIMMING:

Standard product is compatible with 0-10 volt dimming controls (1%) or 120 volt two-wire, forward/reverse phase (1%).

REFLECTOR:

Downlight: Dual-optic system includes upper reflector which determines the beam distribution and lower trim to finish the ceiling. Standard finish is matte white with matching flange. Optional finishes available. Round, square, downlight, and wall wash are interchangeable with same housing. Flangeless option (NF) installs after frame-ins are installed and can be added at a later date if desired.

Adjustable Accent: Dual-optic system includes upper reflector which determines the beam distribution and lower trim to finish the ceiling. Standard finish is matte white with matching flange. Optional finishes available. Round and square adjustable trims are interchangeable with same housing. Flangeless option (NF) installs after frame-ins are installed and can be added at a later date if desired.

Wall Wash: Angled laminated film lens illuminates vertical wall surfaces. Standard finish is matte white with matching flange. Optional finishes available. Round, square, downlight, and wall wash are interchangeable with same housing. Flangeless option (NF) installs after frame-ins are installed and can be added at a later date if desired.

ELECTRICAL:

120 or 277 VAC, 50-60 Hz.

HEAT MANAGEMENT:

Engineered heat sink provides passive cooling for optimum heat management of the LED engine.

- Expected lamp life to be 50,000 hours with 70% lumen maintenance when ambient temperatures do not exceed 25C. Lower ambient temperatures yield longer lamp life.

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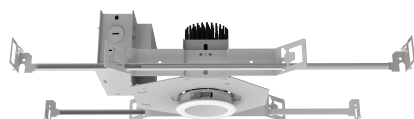
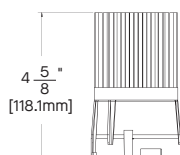
ACCESSIBLE CEILINGS



Spectrum Lighting

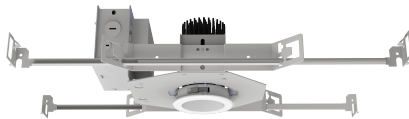
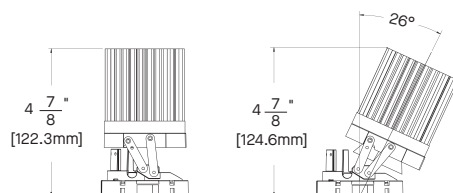
FIXTURE DIMENSIONS

2DL - Downlight



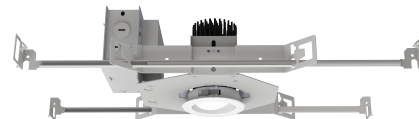
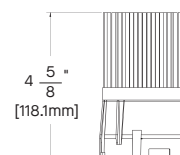
DOWNLIGHT TRIM SHOWN WITH 2LFK - NEW CONSTRUCTION STYLE

2AL - Adjustable



ADJUSTABLE TRIM SHOWN WITH 2LFK - NEW CONSTRUCTION STYLE

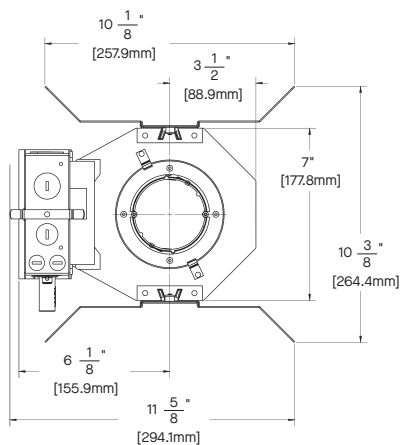
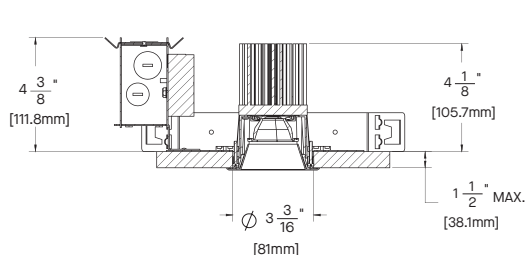
2DL - Wall Wash



WALL WASH TRIM SHOWN WITH 2LFK - NEW CONSTRUCTION STYLE

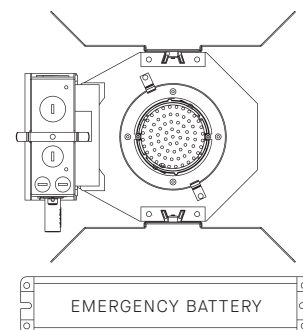
HOUSING DIMENSIONS

2LFK - New Construction Style



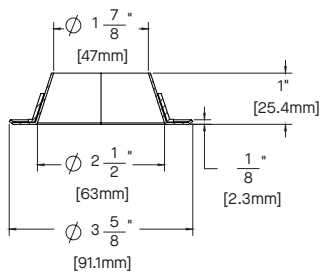
EMERGENCY BATTERY

EM - Emergency Options

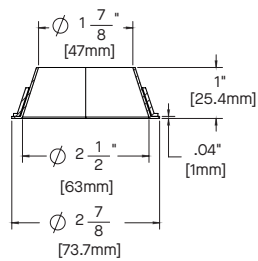


TRIM / MODULE DATA

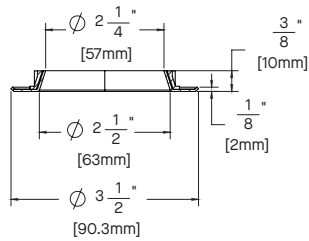
2D - Open Downlight Trim



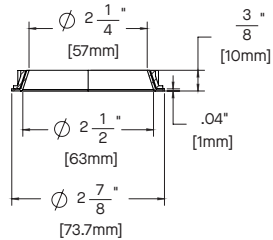
2D NF - Open Downlight Trim with Flangeless Kit



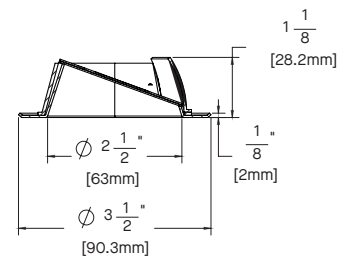
2A - Open Adjustable Trim



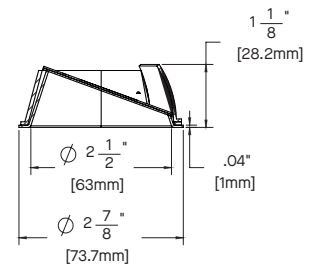
2A NF - Open Adjustable Trim with Flangeless Kit



2LW6 - Lensed Wall Wash Trim



2LW6 NF - Lensed Wall Wash Trim with Flangeless Kit



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ACCESSIBLE CEILINGS



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2DL2035KS202DMW - Downlight

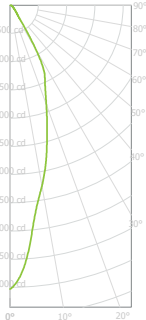
CANDLEPOWER CURVE TEST SP-R918	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																														
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Delivered Lumens: 2344	CP at 0deg (Nadir): 10353	Beam Angle: 20.03	Lumen Multiplier: 8L x 0.337, 10L x 0.541, 15L x 0.708
Luminaire Watts: 22.36	CRI: 80+	Spacing Ratio: 0.3	27K x 0.919, 30K x 0.977, 40K x 1.005, 27HK x 0.924, 30HK x 0.963, 35HK x 1.0, 40HK 1.021
LER: 104.83			

2DL2035KM302DMW - Downlight

CANDLEPOWER CURVE TEST SP-R919	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° 7213	0° - 10° 546 24%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 4		RCR 6	
	5.00° 6127	0° - 20° 1346 59%	5.5 ' 238 fc	2.5 ' 112 fc	9' 2'	515 5.42	414 4.81					
	10.00° 4260	0° - 30° 1931 84%	6.5 ' 171 fc	2.9 ' 80 fc	12' 2'	456 4.80	380 4.41					
	15.00° 2555	0° - 40° 2110 92%	7.5 ' 128 fc	3.4 ' 60 fc	16' 4'	119 1.26	96 1.11					
	20.00° 1618	0° - 60° 2216 97%	8.5 ' 100 fc	3.8 ' 47 fc	Delivered Illuminance Rating: (DIR)		95 FC per W/Sq. Ft.		86 FC per W/Sq. Ft.			
	30.00° 700	0° - 80° 2284 100%	10.0 ' 72 fc	4.5 ' 34 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							
	40.00° 83	0° - 90° 2293 100%	12.0 ' 50 fc	5.4 ' 24 fc								
	50.00° 59	Total 2293 100%	14.0 ' 37 fc	6.3 ' 17 fc								
	60.00° 49		16.0 ' 28 fc	7.2 ' 13 fc								
	70.00° 34											
	80.00° 14											
	90.00° 4											
	Delivered Lumens: 2293	CP at 0deg (Nadir): 7213	Beam Angle: 25.3	Lumen Multiplier:								
Luminaire Watts: 22.38	CRI: 80+	Spacing Ratio: 0.39	CCT Multiplier:									
LER: 102.46												

2DL2035KW402DMW - Downlight

CANDLEPOWER CURVE TEST SP-R920	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° 387 17%	<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>5.5 ' 166 fc</td><td>3.2 ' 75 fc</td></tr><tr><td>6.5 ' 119 fc</td><td>3.7 ' 54 fc</td></tr><tr><td>7.5 ' 89 fc</td><td>4.3 ' 40 fc</td></tr><tr><td>8.5 ' 70 fc</td><td>4.9 ' 31 fc</td></tr><tr><td>10.0 ' 50 fc</td><td>5.7 ' 23 fc</td></tr><tr><td>12.0 ' 35 fc</td><td>6.9 ' 16 fc</td></tr><tr><td>14.0 ' 26 fc</td><td>8.0 ' 12 fc</td></tr><tr><td>16.0 ' 20 fc</td><td>9.2 ' 9 fc</td></tr></table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	5.5 ' 166 fc	3.2 ' 75 fc	6.5 ' 119 fc	3.7 ' 54 fc	7.5 ' 89 fc	4.3 ' 40 fc	8.5 ' 70 fc	4.9 ' 31 fc	10.0 ' 50 fc	5.7 ' 23 fc	12.0 ' 35 fc	6.9 ' 16 fc	14.0 ' 26 fc	8.0 ' 12 fc	16.0 ' 20 fc	9.2 ' 9 fc	<table><tr><th>Ceiling Height</th><th>Fixture Spacing</th><th colspan="2">RCR 3</th><th colspan="2">RCR 5</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>9'</td><td>2'</td><td>579</td><td>5.78</td><td>423</td><td>4.77</td></tr><tr><td>12'</td><td>4'</td><td>143</td><td>1.43</td><td>138</td><td>1.55</td></tr><tr><td>16'</td><td>6'</td><td>54</td><td>0.54</td><td>44</td><td>0.49</td></tr><tr><td colspan="2">Delivered Illuminance Rating: (DIR)</td><td colspan="2">100 FC per W/Sq. Ft.</td><td colspan="2">89 FC per W/Sq. Ft.</td></tr><tr><td colspan="6">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</td></tr></table>	Ceiling Height	Fixture Spacing	RCR 3		RCR 5				FC +	W/Sq. Ft.	FC +	W/Sq. Ft.	9'	2'	579	5.78	423	4.77	12'	4'	143	1.43	138	1.55	16'	6'	54	0.54	44	0.49	Delivered Illuminance Rating: (DIR)		100 FC per W/Sq. Ft.		89 FC per W/Sq. Ft.		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					
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49	0° - 60° 2261 97%																																																																	
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4	0° - 90° 2340 100%																																																																	
90.00°	Total 2340 100%																																																																	
Delivered Lumens: 2340	CP at 0deg (Nadir): 5027	Beam Angle: 32.02	Lumen Multiplier:	8L x 0.337, 10L x 0.541, 15L x 0.708																																																														
Luminaire Watts: 22.37	CRI: 80+	Spacing Ratio: 0.48	CCT Multiplier:	27K x 0.919, 30K x 0.977, 40K x 1.005, 27HK x 0.924, 30HK x 0.963, 35HK x 1.0, 40HK 1.021																																																														
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DUO 2" ROUND

ACCESSIBLE CEILINGS



Spectrum Lighting

2DL2035KXW552DMW - Downlight

CANDLEPOWER CURVE TEST SP-R921	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°	300	13%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5			
	0.00°	0° - 20°	932	41%							FC *	W/Sq. Ft.	FC *	W/Sq. Ft.		
		0° - 30°	1678	75%							9'	2'	457	4.77	401	4.77
		0° - 40°	2022	90%							12'	4'	137	1.43	130	1.55
	15.00°	0° - 60°	2170	97%							16'	6'	52	0.54	41	0.49
	30.00°	0° - 80°	2239	100%					Delivered Illuminance Rating: (DIR)		96 FC per W/Sq. Ft.		84 FC per W/Sq. Ft.			
	60.00°	0° - 90°	2248	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							
	90.00°	Total	2248	100%												

Delivered Lumens: 2248
Luminaire Watts: 22.37
LER: 100.49

CP at 0deg (Nadir): 3927
CRI: 80+

Beam Angle: 38.91
Spacing Ratio: 0.55

Lumen Multiplier: 8L x 0.337, 10L x 0.541, 15L x 0.708
27K x 0.919, 30K x 0.977, 40K x 1.005, 27HK x 0.924,
30HK x 0.963, 35HK x 1.0, 40HK 1.021

2AL2035KS202AMW-MAX - Adjustable

CANDLEPOWER CURVE

TEST SP-R1758

INTENSITY

CP at 0°	0° - 10°	98	5%
0°	1086		
5°	1337		
15°	3737		
25°	8729		
35°	6234		
45°	1723		
55°	64		
65°	18		
75°	9		
85°	8		
90°	6		

ZONAL LUMENS

0° - 10°	98	5%
0° - 20°	458	21%
0° - 30°	1224	56%
0° - 40°	1863	86%
0° - 60°	2134	98%
0° - 80°	2166	100%
0° - 90°	2175	100%

INITIAL FC ON VERTICAL PLANE

30° aiming angle

A	B	C	1	2	3	W	L1	L2
2'	3.5'	34 fc	38 fc	15 fc	5 fc	1.5'	3.5'	1.2'
3'	5.2'	15 fc	17 fc	7 fc	2 fc	2.3'	5.2'	1.7'
4'	6.9'	8 fc	10 fc	4 fc	1 fc	3.1'	6.9'	2.3'
6'	10.4'	4 fc	4 fc	2 fc	1 fc	4.6'	10.4'	3.5'

Dimensions W, L1 and L2 based on beam angle

INITIAL FC ON HORIZONTAL PLANE

30° aiming angle

A	B	C	1	2	3	W	L1	L2
6'	3.5'	20 fc	13 fc	9 fc	7 fc	2.7'	3.1'	1.4'
8'	4.6'	11 fc	7 fc	5 fc	4 fc	3.6'	4.2'	1.8'
10'	5.8'	7 fc	5 fc	3 fc	2 fc	4.4'	5.2'	2.3'
12'	6.9'	5 fc	3 fc	2 fc	2 fc	5.3'	6.2'	2.8'

Dimensions W, L1 and L2 based on beam angle

Delivered Lumens: 2175
Luminaire Watts: 22.47
Efficacy: 96.80

CP at 0° (Nadir): 1086
CRI: 80+

Beam Angle: 22°

Lumen Multiplier: 8L x 0.274, 10L x 0.454, 15L x 0.548
27K x 0.919, 30K x 0.977, 40K x 1.005, 27HK x 0.924,
30HK x 0.963, 35HK x 1.0, 40HK 1.021

2AL2035KM302AMW-MAX - Adjustable

CANDLEPOWER CURVE

TEST SP-R1760

INTENSITY

CP at 0°	0° - 10°	103	5%
0°	1168		
5°	1429		
15°	3115		
25°	5042		
35°	4471		
45°	2013		
55°	182		
65°	30		
75°	7		
85°	3		
90°	3		

ZONAL LUMENS

0° - 10°	103	5%
0° - 20°	438	21%
0° - 30°	1042	50%
0° - 40°	1651	80%
0° - 60°	2028	98%
0° - 80°	2060	100%
0° - 90°	2066	100%

INITIAL FC ON VERTICAL PLANE

30° aiming angle

A	B	C	1	2	3	W	L1	L2
2'	3.5'	37 fc	51 fc	14 fc	3 fc	2.1'	5.3'	1.4'
3'	5.2'	16 fc	23 fc	6 fc	1 fc	3.2'	8.0'	2.2'
4'	6.9'	9 fc	13 fc	4 fc	1 fc	4.2'	10.6'	2.9'
6'	10.4'	4 fc	6 fc	2 fc	0 fc	6.3'	15.9'	4.3'

Dimensions W, L1 and L2 based on beam angle

INITIAL FC ON HORIZONTAL PLANE

30° aiming angle

A	B	C	1	2	3	W	L1	L2
6'	3.5'	21 fc	15 fc	10 fc	6 fc	3.6'	4.3'	1.8'
8'	4.6'	12 fc	8 fc	6 fc	3 fc	4.9'	5.7'	2.4'
10'	5.8'	8 fc	5 fc	4 fc	2 fc	6.1'	7.2'	3.0'
12'	6.9'	5 fc	4 fc	2 fc	1 fc	7.3'	8.6'	3.7'

Dimensions W, L1 and L2 based on beam angle

Delivered Lumens: 2066
Luminaire Watts: 22.8
Efficacy: 90.61

CP at 0° (Nadir): 1168
CRI: 80+

Beam Angle: 29°

CCT Multiplier: 27K x 0.919, 30K x 0.977, 40K x 1.005, 27HK x 0.924,
30HK x 0.963, 35HK x 1.0, 40HK 1.021

DUO 2" ROUND

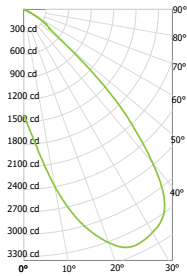
ACCESSIBLE CEILINGS



Spectrum Lighting

2AL2035KW402AMW-MAX - Adjustable

CANDLEPOWER CURVE TEST SP-R1762



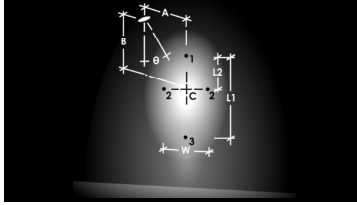
INTENSITY

CP at 0°	
0°	1412
5°	1799
15°	2944
25°	3484
35°	3274
45°	1799
55°	397
65°	83
75°	7
85°	4
90°	3

ZONAL LUMENS

0° - 10°	131	7%
0° - 20°	486	25%
0° - 30°	1005	52%
0° - 40°	1517	78%
0° - 60°	1893	97%
0° - 80°	1937	100%
0° - 90°	1944	100%

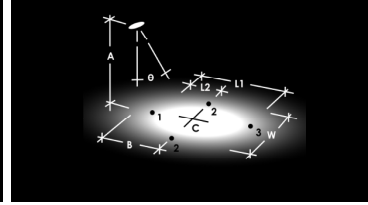
INITIAL FC ON VERTICAL PLANE 30° aiming angle



A	B	C	1	2	3	W	L1	L2
2'	3.5'	44 fc	81 fc	14 fc	1 fc	3.0'	10.2'	1.8'
3'	5.2'	20 fc	36 fc	6 fc	0 fc	4.5'	15.4'	2.7'
4'	6.9'	11 fc	20 fc	4 fc	0 fc	6.0'	20.5'	3.6'
6'	10.4'	5 fc	9 fc	2 fc	0 fc	9.0'	30.7'	5.4'

Dimensions W, L1 and L2 based on beam angle

INITIAL FC ON HORIZONTAL PLANE 30° aiming angle



A	B	C	1	2	3	W	L1	L2
6'	3.5'	25 fc	19 fc	11 fc	5 fc	5.2'	6.3'	2.5'
8'	4.6'	14 fc	11 fc	6 fc	3 fc	6.9'	8.3'	3.3'
10'	5.8'	9 fc	7 fc	4 fc	2 fc	8.6'	10.4'	4.1'
12'	6.9'	6 fc	5 fc	3 fc	1 fc	10.3'	12.5'	4.9'

Dimensions W, L1 and L2 based on beam angle

Delivered Lumens: 1944
Luminaire Watts: 22.84
Efficacy: 85.11

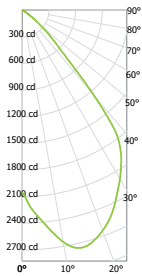
CP at 0° (Nadir): 1412
CRI: 80+

Beam Angle: 41°

Lumen Multiplier: 8L x 0.274, 10L x 0.454, 15L x 0.548
27K x 0.919, 30K x 0.977, 40K x 1.005, 27HK x 0.924,
CCT Multiplier: 30HK x 0.963, 35HK x 1.0, 40HK 1.021

2AL2035KXW552AMW-MAX - Adjustable

CANDLEPOWER CURVE TEST SP-R1744



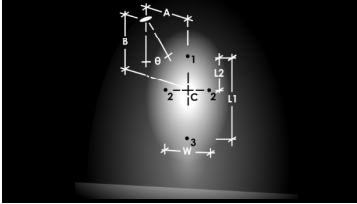
INTENSITY

CP at 0°	
0°	2056
5°	2365
15°	2755
25°	2443
35°	1925
45°	542
55°	88
65°	6
75°	5
85°	2
90°	3

ZONAL LUMENS

0° - 10°	196	11%
0° - 20°	693	39%
0° - 30°	1220	69%
0° - 40°	1586	89%
0° - 60°	1744	98%
0° - 80°	1773	100%
0° - 90°	1781	100%

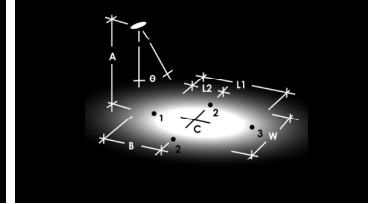
INITIAL FC ON VERTICAL PLANE 30° aiming angle



A	B	C	1	2	3	W	L1	L2
2'	3.5'	64 fc	147 fc	16 fc	0 fc	3.9'	27.5'	2.1'
3'	5.2'	29 fc	65 fc	7 fc	0 fc	5.9'	41.3'	3.2'
4'	6.9'	16 fc	37 fc	4 fc	0 fc	7.8'	55.0'	4.2'
6'	10.4'	7 fc	16 fc	2 fc	0 fc	11.7'	82.5'	6.4'

Dimensions W, L1 and L2 based on beam angle

INITIAL FC ON HORIZONTAL PLANE 30° aiming angle



A	B	C	1	2	3	W	L1	L2
6'	3.5'	37 fc	28 fc	15 fc	5 fc	6.8'	8.5'	3.0'
8'	4.6'	21 fc	16 fc	8 fc	3 fc	9.0'	11.3'	4.1'
10'	5.8'	13 fc	10 fc	5 fc	2 fc	11.3'	14.2'	5.1'
12'	6.9'	9 fc	7 fc	4 fc	1 fc	13.5'	17.0'	6.1'

Dimensions W, L1 and L2 based on beam angle

Delivered Lumens: 1781
Luminaire Watts: 22.71
Efficacy: 78.42

CP at 0° (Nadir): 2056
CRI: 80+

Beam Angle: 52°

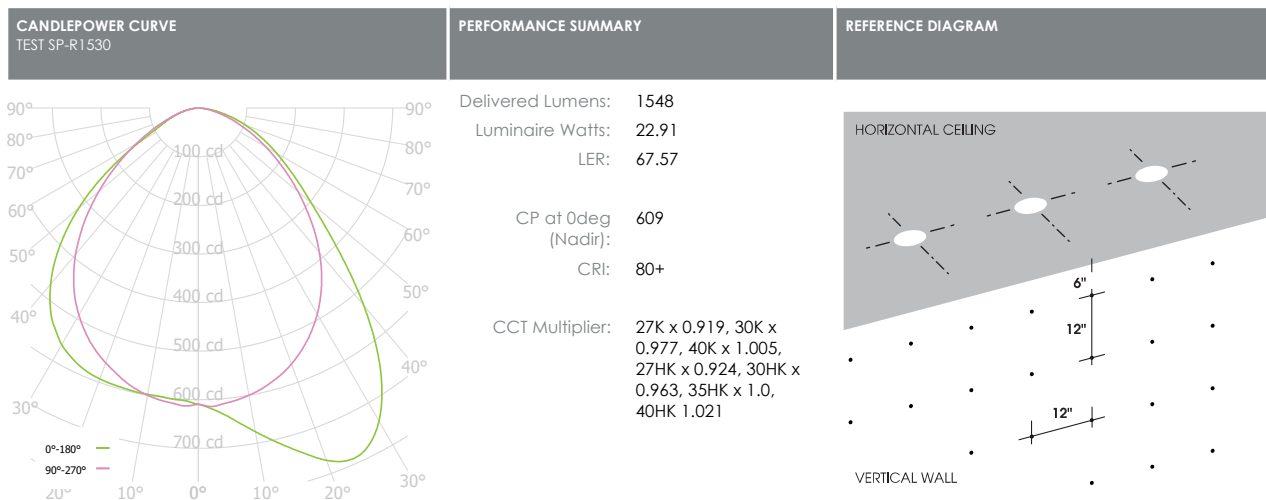
Lumen Multiplier: 8L x 0.274, 10L x 0.454, 15L x 0.548
27K x 0.919, 30K x 0.977, 40K x 1.005, 27HK x 0.924,
CCT Multiplier: 30HK x 0.963, 35HK x 1.0, 40HK 1.021

DUO 2" ROUND ACCESSIBLE CEILINGS

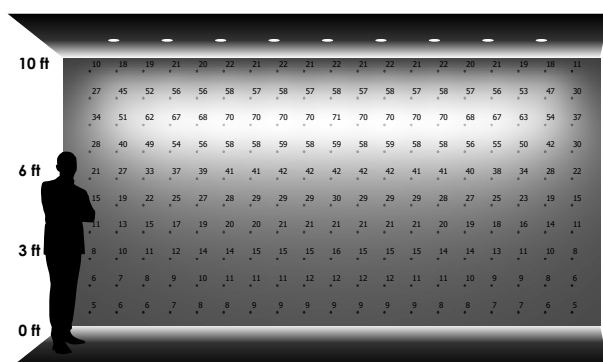


Spectrum Lighting

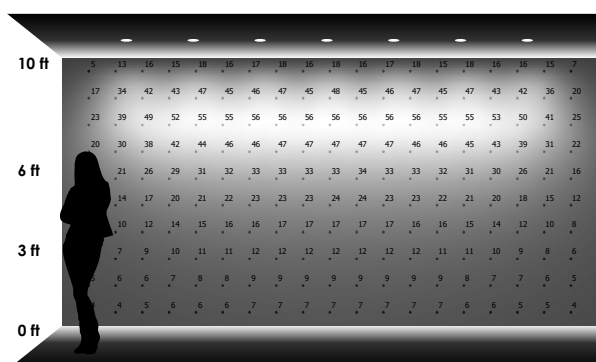
2DL2Q35KW2LW6MW - Wall Wash



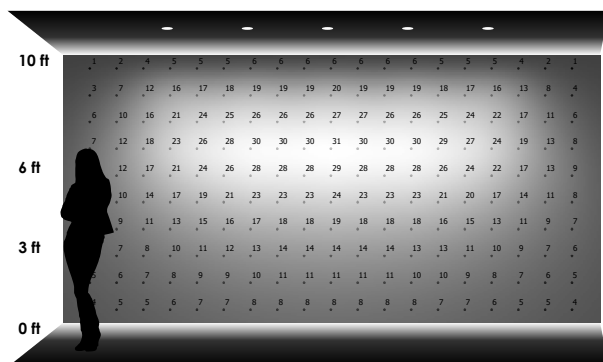
PERFORMANCE DATA - INITIAL ILLUMINATION (FOOTCANDLES) ON WALL - DIRECT LIGHT ONLY



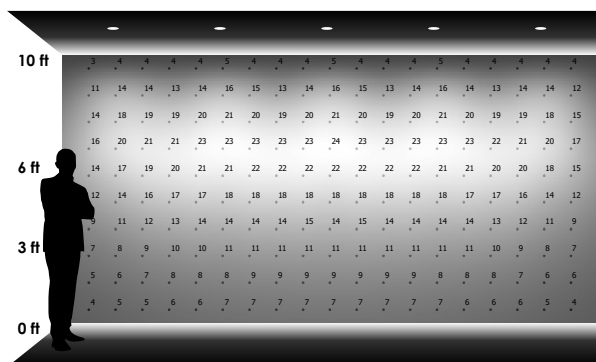
9 LUMINAIRES
2' - 0" away from wall
2' - 0" between luminaires



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