

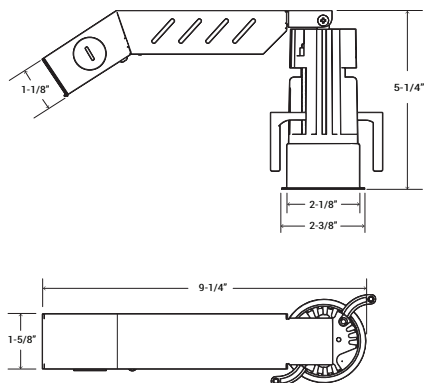
A2-LED-R

2" Architectural Remodel LED Downlight

up to 16 Watts / up to 1000 Lumens



DIMENSION



Catalog Number:

Project Name:

Note:

Type:

DESCRIPTION

The A2-LED architectural downlight provides unparalleled versatility in a small 2" aperture, delivering a powerful and precise beam of light, with uniform, glare-free illumination.

TECHNOLOGY

Designed with superior LED technology, it offers a multitude of beam distributions, a CRI of 90+, up to 1000 lumens, 1% dimming, and an option for warm dim technology.

INSTALLATION

Included is a unique rotate and lock into position function, providing easy-installation and adjustability.

HOUSING

Thermally protected, specification grade recessed housing. For new construction and remodel insulated ceilings where housing will be in direct contact with insulation. Die-formed all aluminum construction matt black painted for maximum heat dissipation, rust protection and glare free illumination.

TRIMS

Offered with interchangeable round and square trims, multiple finish options, it provides the Elite source in flexibility.

SPECIFICATIONS:

LUMENS	750 / 1000 lumens
WATTAGE	12W / 16W
CCT	27K, 30K, 35K, 40K
CRI	90
LIGHT EFFICIENCY	up to 63 lumens/watt
DIMMING	0-10V Dimming / Triac Dimming
VOLTAGE	120-277 VAC
POWER FREQUENCY	50/60 Hz
FINISH	Black
APPLICABLE ENVIRONMENT	Dry/Damp Location IC rated at 750L

OPTICS



DIMMABLE
0-10V DIMMING

5 YEARS
LIMITED WARRANTY



IC rated at 750L

Ordering Guide > Example: **A2-LED-R-750L-DIM10-MVOLT-MD-30K-90-A2R-F-1201-W-WH**

A2-LED-R																												
SERIES	PERFORMANCE	DIMMING	VOLTAGE	OPTICS	CCT	CRI	TRIMS/COLORS	OPTION																				
A2-LED-R - 2" Remodel Architectural Downlight	750L - 750 lumens 1000L - 1000 lumens	DIM10 - 0-10V Dimming DIMTR - Triac Dimming	MVOLT - 120-277V (only for DIM10) 120V - 120V (only for DIMTR)	VND - 15° (Very Narrow) ND - 26° (Narrow) MD - 38° (Medium) WD - 50° (Wide)	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	90 - 90 CRI	<table><tr><th>ROUND</th><th>COLORS</th></tr><tr><td>A2R-F-1201</td><td>W-WH, SN-SN</td></tr><tr><td>A2R-F-1202</td><td>W-WH, CL-WH, SN-SN</td></tr><tr><td>A2R-F-1227</td><td>W-WH, SN-SN</td></tr><tr><td>A2R-F-1228</td><td>W-WH, CL-WH, SN-SN</td></tr><tr><th>SQUARE</th><th>COLORS</th></tr><tr><td>A2S-F-1201</td><td>W-WH</td></tr><tr><td>A2S-F-1202</td><td>W-WH</td></tr><tr><td>A2S-F-1227</td><td>W-WH</td></tr><tr><td>A2S-F-1228</td><td>W-WH</td></tr></table>	ROUND	COLORS	A2R-F-1201	W-WH, SN-SN	A2R-F-1202	W-WH, CL-WH, SN-SN	A2R-F-1227	W-WH, SN-SN	A2R-F-1228	W-WH, CL-WH, SN-SN	SQUARE	COLORS	A2S-F-1201	W-WH	A2S-F-1202	W-WH	A2S-F-1227	W-WH	A2S-F-1228	W-WH	A2-LED-FR Frame for new construction option w/o bar hanger A2-LED-FR-BP30 Frame for new construction option with bar hanger
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A2-LED-R

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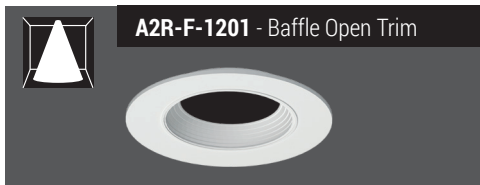
Project Name:

Note:

Type:

ROUND / SQUARE TRIMS

Round Flanged Trims



AVAILABLE COLOR OPTIONS:
W-WH (White-White)
SN-SN (Satin Nickel-Satin Nickel)



AVAILABLE COLOR OPTIONS:
W-WH (White-White)
SN-SN (Satin Nickel-Satin Nickel)



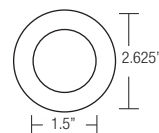
AVAILABLE COLOR OPTIONS:
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CL-WH (Clear-White)
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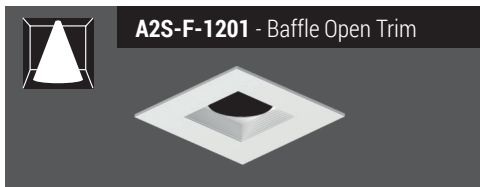
AVAILABLE COLOR OPTIONS:
W-WH (White-White)
CL-WH (Clear-White)
SN-SN (Satin Nickel-Satin Nickel)

TRIM OPTION:

Post-painted powder coated die-cast trim available in white and custom colors. Please consult factory for custom paint color options. Trims attach to the housing with piano springs for snug fit and zero light leakage.



Square Flanged Trims



AVAILABLE COLOR OPTION:
W-WH (White-White)



AVAILABLE COLOR OPTION:
W-WH (White-White)



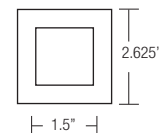
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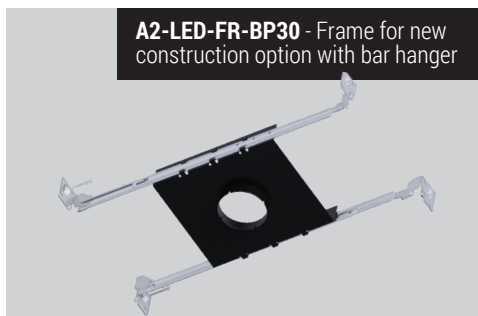
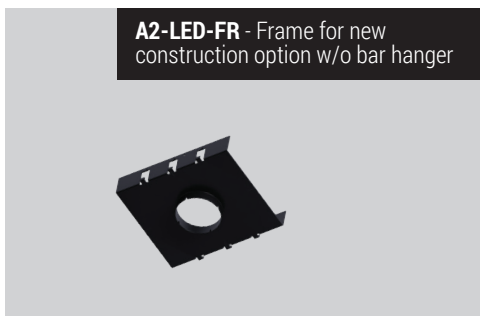
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Post-painted powder coated die-cast trim available in white and custom colors. Please consult factory for custom paint color options. Trims attach to the housing with piano springs for snug fit and zero light leakage.



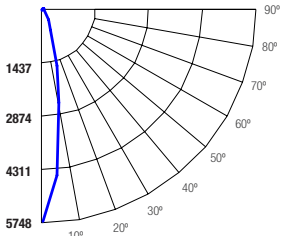
Frame for New Construction



A2-LED-R

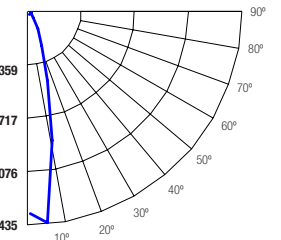
2" Architectural Remodel LED Downlight

PHOTOMETRY DATA

A2-LED-R-750L-DIM10-MVOLT-ND-30K-90-A2R-LED-F-1202-W-WH										TEST NO.: EL0718141																																																																																																																																							
INPUT WATTS: 12.3					LUMENS: 949					CRI: 90					EFFICACY: 77					CCT: 3000K					SPACING CRITERIA: 0.36																																																																																																																								
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Coefficients of Utilization - Zonal Cavity Method										Effective Floor Cavity Reflectance 0.20																																																																																																																																							

Cone of Light			RC		80%				70%				50%				30%				10%				0%	
4.0	359 fc	1.2 ft	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
8.0	89.8 fc	2.4 ft	ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100		
12.0	39.9 fc	3.6 ft		1	115	113	111	109	112	109	108	108	103	103	104	99	99	99	95	95	95	95	93	93		
16.0	22.5 fc	4.9 ft		2	111	107	104	101	109	105	102	100	102	100	98	98	97	96	97	95	94	92	90	89		
20.0	14.4 fc	6.1 ft		3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	87	85	83		
24.0	9.98 fc	7.3 ft		4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	85	83	81		
				5	100	94	90	87	99	93	90	87	92	89	89	87	85	82	86	84	83	81	79	78		
				6	97	91	87	84	96	90	86	83	89	85	83	80	85	82	87	84	82	81	79	78		
				7	95	88	84	81	94	87	83	81	86	83	80	85	82	80	84	82	79	77	76	74		
				8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76	74	72		
				9	90	83	79	76	89	82	78	76	82	78	76	81	78	75	80	77	75	74	72	70		
			10	87	81	76	74	87	80	76	74	79	76	73	79	76	73	78	75	73	72	70	68			
BEAM DIA. MEASURED AT 50% OF NADIR F.C.			RC - Ceiling Cavity Reflectance												RW - Wall Reflectance											

A2-LED-R-750L-DIM10-MVOLT-SP-30K-90-A2R-LED-F-1202-W-WH										TEST NO.: EL0718140									
INPUT WATTS: 12.4			LUMENS: 971			CRI: 90			EFFICACY: 78			CCT: 3000K			SPACING CRITERIA: 0.38				

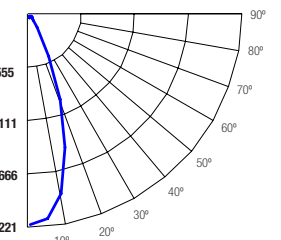
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0	5162.232																																																																																																																																																																																																																			
5	5434.932																																																																																																																																																																																																																			
15	1818.720																																																																																																																																																																																																																			
25	476.256																																																																																																																																																																																																																			
35	45.216																																																																																																																																																																																																																			
45	10.056																																																																																																																																																																																																																			
55	7.920																																																																																																																																																																																																																			
65	5.664																																																																																																																																																																																																																			
75	2.988																																																																																																																																																																																																																			
85	0.828																																																																																																																																																																																																																			
90	0.036																																																																																																																																																																																																																			
Cone of Light				Coefficients of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20																																																																																																																																																																																																																
<table><tr><th>RC</th><th colspan="4">80%</th><th colspan="4">70%</th><th colspan="4">50%</th><th colspan="4">30%</th><th colspan="4">10%</th><th colspan="4">0%</th></tr><tr><th>RW</th><th>70%</th><th>50%</th><th>30%</th><th>10%</th><th>70%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th></tr><tr><td>1.0</td><td>0.92</td><td>0.84</td><td>0.75</td><td>0.65</td><td>0.89</td><td>0.81</td><td>0.72</td><td>0.62</td><td>0.86</td><td>0.78</td><td>0.68</td><td>0.84</td><td>0.76</td><td>0.66</td><td>0.82</td><td>0.74</td><td>0.64</td><td>0.80</td><td>0.72</td><td>0.62</td><td>0.78</td><td>0.70</td><td>0.60</td></tr><tr><td>0.8</td><td>0.88</td><td>0.80</td><td>0.71</td><td>0.61</td><td>0.85</td><td>0.77</td><td>0.68</td><td>0.58</td><td>0.83</td><td>0.75</td><td>0.65</td><td>0.81</td><td>0.73</td><td>0.63</td><td>0.79</td><td>0.71</td><td>0.61</td><td>0.77</td><td>0.69</td><td>0.59</td><td>0.75</td><td>0.67</td><td>0.57</td></tr><tr><td>0.6</td><td>0.84</td><td>0.76</td><td>0.67</td><td>0.57</td><td>0.81</td><td>0.73</td><td>0.64</td><td>0.54</td><td>0.79</td><td>0.71</td><td>0.61</td><td>0.77</td><td>0.69</td><td>0.59</td><td>0.75</td><td>0.67</td><td>0.57</td><td>0.73</td><td>0.65</td><td>0.55</td><td>0.71</td><td>0.63</td><td>0.53</td></tr><tr><td>0.4</td><td>0.80</td><td>0.72</td><td>0.63</td><td>0.53</td><td>0.77</td><td>0.69</td><td>0.60</td><td>0.50</td><td>0.75</td><td>0.67</td><td>0.57</td><td>0.73</td><td>0.65</td><td>0.55</td><td>0.71</td><td>0.63</td><td>0.53</td><td>0.69</td><td>0.61</td><td>0.51</td><td>0.67</td><td>0.59</td><td>0.49</td></tr><tr><td>0.2</td><td>0.76</td><td>0.68</td><td>0.59</td><td>0.49</td><td>0.73</td><td>0.65</td><td>0.56</td><td>0.46</td><td>0.71</td><td>0.63</td><td>0.53</td><td>0.69</td><td>0.61</td><td>0.51</td><td>0.67</td><td>0.59</td><td>0.49</td><td>0.65</td><td>0.57</td><td>0.47</td><td>0.63</td><td>0.55</td><td>0.45</td></tr><tr><td>0.1</td><td>0.72</td><td>0.64</td><td>0.55</td><td>0.45</td><td>0.69</td><td>0.61</td><td>0.52</td><td>0.42</td><td>0.67</td><td>0.59</td><td>0.49</td><td>0.65</td><td>0.57</td><td>0.47</td><td>0.63</td><td>0.55</td><td>0.45</td><td>0.61</td><td>0.53</td><td>0.43</td><td>0.59</td><td>0.51</td><td>0.41</td></tr></table>				RC	80%				70%				50%				30%				10%				0%				RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	1.0	0.92	0.84	0.75	0.65	0.89	0.81	0.72	0.62	0.86	0.78	0.68	0.84	0.76	0.66	0.82	0.74	0.64	0.80	0.72	0.62	0.78	0.70	0.60	0.8	0.88	0.80	0.71	0.61	0.85	0.77	0.68	0.58	0.83	0.75	0.65	0.81	0.73	0.63	0.79	0.71	0.61	0.77	0.69	0.59	0.75	0.67	0.57	0.6	0.84	0.76	0.67	0.57	0.81	0.73	0.64	0.54	0.79	0.71	0.61	0.77	0.69	0.59	0.75	0.67	0.57	0.73	0.65	0.55	0.71	0.63	0.53	0.4	0.80	0.72	0.63	0.53	0.77	0.69	0.60	0.50	0.75	0.67	0.57	0.73	0.65	0.55	0.71	0.63	0.53	0.69	0.61	0.51	0.67	0.59	0.49	0.2	0.76	0.68	0.59	0.49	0.73	0.65	0.56	0.46	0.71	0.63	0.53	0.69	0.61	0.51	0.67	0.59	0.49	0.65	0.57	0.47	0.63	0.55	0.45	0.1	0.72	0.64	0.55	0.45	0.69	0.61	0.52	0.42	0.67	0.59	0.49	0.65	0.57	0.47	0.63	0.55	0.45	0.61	0.53	0.43	0.59	0.51	0.41																
RC	80%				70%				50%				30%				10%				0%																																																																																																																																																																																															
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%																																																																																																																																																																																													
1.0	0.92	0.84	0.75	0.65	0.89	0.81	0.72	0.62	0.86	0.78	0.68	0.84	0.76	0.66	0.82	0.74	0.64	0.80	0.72	0.62	0.78	0.70	0.60																																																																																																																																																																																													
0.8	0.88	0.80	0.71	0.61	0.85	0.77	0.68	0.58	0.83	0.75	0.65	0.81	0.73	0.63	0.79	0.71	0.61	0.77	0.69	0.59	0.75	0.67	0.57																																																																																																																																																																																													
0.6	0.84	0.76	0.67	0.57	0.81	0.73	0.64	0.54	0.79	0.71	0.61	0.77	0.69	0.59	0.75	0.67	0.57	0.73	0.65	0.55	0.71	0.63	0.53																																																																																																																																																																																													
0.4	0.80	0.72	0.63	0.53	0.77	0.69	0.60	0.50	0.75	0.67	0.57	0.73	0.65	0.55	0.71	0.63	0.53	0.69	0.61	0.51	0.67	0.59	0.49																																																																																																																																																																																													
0.2	0.76	0.68	0.59	0.49	0.73	0.65	0.56	0.46	0.71	0.63	0.53	0.69	0.61	0.51	0.67	0.59	0.49	0.65	0.57	0.47	0.63	0.55	0.45																																																																																																																																																																																													
0.1	0.72	0.64	0.55	0.45	0.69	0.61	0.52	0.42	0.67	0.59	0.49	0.65	0.57	0.47	0.63	0.55	0.45	0.61	0.53	0.43	0.59	0.51	0.41																																																																																																																																																																																													

4.0			32 fc			1.3 ft					
8.0			80.7 fc			2.6 ft					
12.0			35.8 fc			3.9 ft					
16.0			20.2 fc			5.3 ft					
20.0			12.9 fc			6.6 ft					
24.0			8.96 fc			7.9 ft					
Distance to Plane		Initial Footcandle at Nadir	Beam diameter								
BEAM DIA. MEASURED AT 50% OF NADIR F.C.											

ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
	2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
	3	107	102	98	95	107	101	97	95	98	95	93	94	92	91	92	90	89	88
	4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
	5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
	6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	84	81	80
	7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
	8	92	85	81	78	91	84	80	78	83	80	77	83	79	77	82	79	77	76
	9	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74
	10	87	80	76	73	86	80	76	73	79	75	73	78	75	73	78	75	73	72

RC - Ceiling Cavity Reflectance										RW - Wall Reflectance									
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A2-LED-R-750L-DIM10-MVOLT-MD-30K-90-A2R-LED-F-1202-W-WH										TEST NO.: EL0718150									
INPUT WATTS: 12.3			LUMENS: 898			CRI: 90			EFFICACY: 73			CCT: 3000K			SPACING CRITERIA: 0.58				

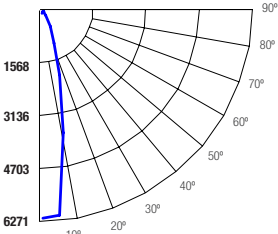
Candle Power Distribution (Candelas)				Zonal Lumens Summary				Luminance (Average candela/M ²)				Lumens Per Zone				Candela Tabulation																																																																																																					
				<table><tr><th>Zone</th><th>Lumens</th><th>%Lamp</th><th>%Fixt</th></tr><tr><td>0-20</td><td>584.33</td><td>N.A.</td><td>65.00</td></tr><tr><td>0-30</td><td>802.76</td><td>N.A.</td><td>89.40</td></tr><tr><td>0-40</td><td>850.06</td><td>N.A.</td><td>94.60</td></tr><tr><td>0-60</td><td>882.08</td><td>N.A.</td><td>98.20</td></tr><tr><td>0-80</td><td>896.48</td><td>N.A.</td><td>99.80</td></tr><tr><td>0-90</td><td>898.41</td><td>N.A.</td><td>100.00</td></tr></table>				Zone	Lumens	%Lamp	%Fixt	0-20	584.33	N.A.	65.00	0-30	802.76	N.A.	89.40	0-40	850.06	N.A.	94.60	0-60	882.08	N.A.	98.20	0-80	896.48	N.A.	99.80	0-90	898.41	N.A.	100.00	<table><tr><th>Angle in Degrees</th><th>Average 0°</th><th>Average 45°</th><th>Average 90°</th></tr><tr><td>45</td><td>13715</td><td>18970</td><td>30997</td></tr><tr><td>55</td><td>13652</td><td>13943</td><td>12040</td></tr><tr><td>65</td><td>12711</td><td>13623</td><td>11603</td></tr><tr><td>75</td><td>10242</td><td>11506</td><td>11680</td></tr><tr><td>85</td><td>8248</td><td>14065</td><td>14507</td></tr></table>				Angle in Degrees	Average 0°	Average 45°	Average 90°	45	13715	18970	30997	55	13652	13943	12040	65	12711	13623	11603	75	10242	11506	11680	85	8248	14065	14507	<table><tr><th>Zone</th><th>Lumens</th></tr><tr><td>0-10</td><td>196.67</td></tr><tr><td>10-20</td><td>387.66</td></tr><tr><td>20-30</td><td>218.42</td></tr><tr><td>30-40</td><td>47.31</td></tr><tr><td>40-50</td><td>19.91</td></tr><tr><td>50-60</td><td>12.10</td></tr><tr><td>60-70</td><td>9.13</td></tr><tr><td>70-80</td><td>5.28</td></tr><tr><td>80-90</td><td>1.93</td></tr></table>				Zone	Lumens	0-10	196.67	10-20	387.66	20-30	218.42	30-40	47.31	40-50	19.91	50-60	12.10	60-70	9.13	70-80	5.28	80-90	1.93	<table><tr><th colspan="2">Candela Tabulation</th></tr><tr><th>0</th><th>Q</th></tr><tr><td>0</td><td>2221.056</td></tr><tr><td>5</td><td>2165.400</td></tr><tr><td>15</td><td>1449.192</td></tr><tr><td>25</td><td>473.400</td></tr><tr><td>35</td><td>57.096</td></tr><tr><td>45</td><td>18.132</td></tr><tr><td>55</td><td>14.640</td></tr><tr><td>65</td><td>10.044</td></tr><tr><td>75</td><td>4.956</td></tr><tr><td>85</td><td>1.344</td></tr><tr><td>90</td><td>0.036</td></tr></table>				Candela Tabulation		0	Q	0	2221.056	5	2165.400	15	1449.192	25	473.400	35	57.096	45	18.132	55	14.640	65	10.044	75	4.956	85	1.344	90	0.036
Zone	Lumens	%Lamp	%Fixt																																																																																																																		
0-20	584.33	N.A.	65.00																																																																																																																		
0-30	802.76	N.A.	89.40																																																																																																																		
0-40	850.06	N.A.	94.60																																																																																																																		
0-60	882.08	N.A.	98.20																																																																																																																		
0-80	896.48	N.A.	99.80																																																																																																																		
0-90	898.41	N.A.	100.00																																																																																																																		
Angle in Degrees	Average 0°	Average 45°	Average 90°																																																																																																																		
45	13715	18970	30997																																																																																																																		
55	13652	13943	12040																																																																																																																		
65	12711	13623	11603																																																																																																																		
75	10242	11506	11680																																																																																																																		
85	8248	14065	14507																																																																																																																		
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Cone of Light 1.0 100 ft 0.6 ft				<table><tr><th>RC</th><th colspan="4">80%</th><th colspan="4">70%</th><th colspan="4">50%</th><th colspan="4">30%</th><th colspan="4">10%</th><th colspan="4">0%</th></tr><tr><th>RW</th><th>70%</th><th>50%</th><th>30%</th><th>10%</th><th>70%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th></tr></table>				RC	80%				70%				50%				30%				10%				0%				RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%																																																													
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RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%																																																																																														

4.0			139 fc			2.6 ft														
8.0			34.7 fc			5.3 ft														
12.0			15.4 fc			7.9 ft														
16.0			8.68 fc			10.6 ft														
20.0			5.55 fc			13.2 ft														
24.0			3.86 fc			15.9 ft														
Distance to Plane		Initial Footcandle at Nadir		Beam diameter																
BEAM DIA. MEASURED AT 50% OF NADIR F.C.																				
ROOM CAVITY RATIO																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95		
2	110	105	102	99	107	104	100	98	100	98	96	98	95	94	95	93	92	90		
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86		
4	101	95	90	87	99	94	89	86	92	88	85	87	84	85	85	83	82	80		
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78		
6	94	86	81	78	92	86	81	78	84	80	77	83	79	77	82	79	76	75		
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	72		
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69		
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66		
10	81	73	69	66	81	73	69	65	72	68	65	72	68	65	71	68	65	64		
RC - Ceiling Cavity Reflectance															RW - Wall Reflectance					

A2-LED-R

2" Architectural Remodel LED Downlight

PHOTOMETRY DATA

A2-LED-R-1000L-DIM10-MVOLT-SP-30K-90-A2R-LED-F-1202-W-WH										TEST NO.: EL0718139																																																																																																																	
INPUT WATTS: 16.2			LUMENS: 1161			CRI: 90			EFFICACY: 72			CCT: 3000K			SPACING CRITERIA: 0.38																																																																																																												
Candle Power Distribution (Candelas)					Zonal Lumens Summary					Luminance (Average candela/M ²)					Lumens Per Zone					Candela Tabulation																																																																																																							
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Cone of Light			ROOM CAVITY RATIO																											
4.0	392 fc	1.3 ft	RC	80%					70%					50%					30%					10%					0%	
			RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%						
0			119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	102	100							
1			115	113	111	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	96								
2			111	107	104	101	101	109	105	102	100	100	102	100	98	99	97	96	97	95	94	92								
3			107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	94	92	90	89								
4			104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	84	83								
5			100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83	81	80								
6			97	91	87	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	79	78								
7			94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	76	75								
8			92	85	81	78	91	85	80	78	84	80	77	83	79	77	82	79	77	76	74	73								
9			89	82	78	75	88	82	78	75	81	78	75	81	77	75	80	77	75	74	72	71								
10			87	80	76	73	86	80	76	73	79	75	73	78	75	73	78	75	73	72	70	69								
			RC - Ceiling Cavity Reflectance										RW - Wall Reflectance																	

A2-LED-R-1000L-DIM10-MVOLT-ND-30K-90-A2R-LED-F-1202-W-WH

INPUT WATTS: 16.2

LUMENS: 1213

CRI: 90

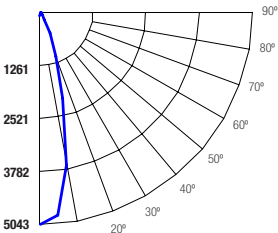
EFFICACY: 75

CCT: 3000K

TEST NO.: EL0718146

SPACING CRITERIA: 0.44

Candle Power Distribution (Candelas)



Cone of Light

4.0	315 fc	1.8 ft
8.0	78.8 fc	3.6 ft
12.0	35.0 fc	5.5 ft
16.0	19.7 fc	7.3 ft
20.0	12.6 fc	9.1 ft
24.0	8.75 fc	10.9 ft

Distance to Plane

Initial Footcandle at Nadir

Beam diameter

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	916.17	N.A.	75.50
0-30	1129.31	N.A.	93.10
0-40	1171.79	N.A.	96.60
0-60	1198.09	N.A.	98.80
0-80	1210.78	N.A.	99.80
0-90	1212.71	N.A.	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	8469	12761	17124
55	8955	8393	7101
65	9638	8648	7145
75	8628	8511	7654
85	7982	12493	10931

Lumens Per Zone

Zone	Lumens
0-10	389.42
10-20	526.75
20-30	213.14
30-40	42.48
40-50	16.29
50-60	10.00
60-70	7.87
70-80	4.82
80-90	1.93

Candela Tabulation

Q	
0	5042.604
5	4841.796
15	2125.236
25	542.712
35	68.172
45	14.256
55	12.228
65	9.696
75	5.316
85	1.656
90	0.036

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO

RC	RW	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	1	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
2	1	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96
3	1	111	107	104	103	108	105	102	101	102	100	98	96	94	96	96	94	94	92
4	1	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89
5	1	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85
6	1	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	82
7	1	97	90	86	83	96	90	85	82	88	85	82	87	84	81	86	83	81	80
8	1	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	80	78	77
9	1	91	84	80	77	90	84	80	77	83	79	76	82	79	76	81	78	76	75
10	1	89	82	77	74	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	1	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	72	71

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

ROOM CAVITY RATIO	RC		80%				70%				50%				30%				10%				0%	
	RW		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	0%
	0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	102	100		
1	115	112	110	109	109	112	110	108	107	106	105	104	103	101	100	99	98	96	95	94	92			
2	111	107	104	101	108	105	102	100	102	100	98	99	97	96	96	95	94	92						
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89						
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6	97	90	86	83	96	90	85	82	88	85	82	87	84	81	86	83	81	80						
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	80	78	77						
8	91	84	80	77	90	84	80	77	83	79	76	82	79	76	81	78	76	75						
9	89	82	77	74	88	81	77	74	80	77	74	80	76	74	79	76	74	73						
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	72	71						

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance