

The Day-Brite / CFI Ariosio recessed LED with ribbed acrylic lens offers standard-setting efficiency without aesthetic compromise. These LED luminaires combine state-of-the-art, flexible and globally-recognized LED lighting platforms with proven Ariosio optical combinations.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Ordering guide

example: 2AVEG38L835-2-ACR-UNV-DIM

Family		Lumens	CCT	Length	Diffuser	Voltage	Driver	Options (Factory Installed)
1AVEG	Ariosio LED 1'x4'	32L 3200lm 38L 3800lm	835 CRI 80, 3500K 840 CRI 80, 4000K	4' 4'	ACR Frosted Ribbed Acrylic Lens	UNV Universal 120-277V 347V	DIM 0-10V Dimming SDIM Step Dimming to 40% Input Power	F1 3/8" Flex, 18 ga., 6'; 3 leads (non-dimming)
2AVEG	Ariosio LED 2'x2'	32L 3200lm 38L 3800lm	835 CRI 80, 3500K 840 CRI 80, 4000K	2' 2'				F2 3/8" Flex, 18 ga., 6'; 4 leads (emergency, non-dimming)
2AVEG	Ariosio LED 2'x4'	38L 3800lm 43L 4300lm 49L 4900lm 74L 7400lm	835 CRI 80, 3500K 840 CRI 80, 4000K	4' 4'				F1/D 3/8" Twin Flex, 18 g. 6'; 3 & 2 leads (dimming) F2/5W 3/8" Flex, 18 ga., 6'; 5 leads (dimming) GLR Fusing, fast blow DSC Quick driver disconnect EM10¹ 10W Integral Emergency Battery Pack (placed on top of luminaire)

1. EM10 only available on 2'x2' and 2'x4' models.

Accessories

- **AVHD** – Hold down clips
- **FMA14** – 1'x4' "F" mounting frame for NEMA "F" mounting
- **FMA22** – 2'x2' "F" mounting frame for NEMA "F" mounting
- **FMA24** – 2'x4' "F" mounting frame for NEMA "F" mounting
- **1AVE-2AVE-ACR** – 1'x4' and 2'x4' replacement lens
- **2AVE-ACRC** – 2'x2' replacement lens
- **Additional electrical wiring options** – Consult factory

2AVE Arioso recessed LED

1'x4'

Specifications

Features

- 100% frosted ribbed acrylic lens provides soft, balanced, direct and reflected light.
- Seamless welded form – curved top and side reflectors formed together without any gaps or visual barriers.
- High performance LED technology delivers up to 3908 lm at 40W.
- Multiple lumen outputs available to balance energy savings with lighting application needs.
- Ideal for indoor general area lighting – offices, schools, retail and health care applications.
- 80+ CRI and excellent color consistency.
- Capable of providing 35–50% energy savings over 2-T5 (28W) fluorescent luminaires.
- High efficiency LEDs have a minimum 50,000 hour rated life (L70).
- Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Dimming option available.

Construction/Finish

- 20 gauge steel housing assembly.
- 95% reflectance baked white acrylic matte paint finish.

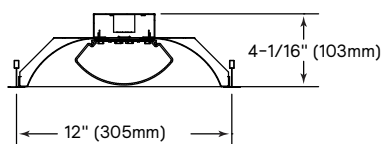
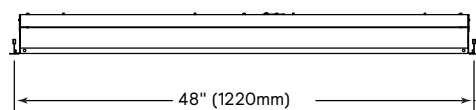
Electrical

- LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. For dimming options, consult factory. LED array and driver accessible from below.
- cCSAus listed.

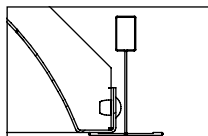
Enclosure

- High performance contoured lens conceals lamp image providing balance between reflected and direct light.

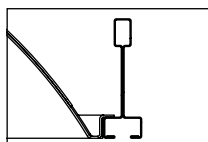
Dimensions



Ceiling compatibility for
G type luminaire



Suited to standard
exposed 15/16"
T-grid ceilings



Suited to standard
exposed Slot T-grid
ceilings

2AVE Arioso recessed LED

1'x4'

Photometry

Arioso recessed LED ribbed acrylic 1x4, 3200 nominal lumens

LER – 103

Catalog No.		1AVEG32L840-4-ACR		Candlepower				Light Distribution			
Test No.		31659		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	
S/MH		1.3		0	1139	1139	1139	0-30	883	27.91	
Lamp Type		LED		5	1134	1148	1108	0-40	1438	45.44	
Lumens/Lamp		3168		10	1117	1135	1097	0-60	2512	79.39	
Input Watts		30.7		15	1086	1108	1071	0-90	3164	100.00	
Comparative yearly lighting energy cost per 1000 lumens – \$2.33 based on 3000 hrs. and \$.08 pwr KWH.				20	1044	1068	1041	Coefficients of Utilization			
				25	989	1024	998				
				30	924	968	948				
				35	847	904	894				
				40	763	833	832				
				45	672	755	763				
				50	578	672	691				
				55	490	586	611				
				60	403	501	524				
				65	322	415	416				
				70	243	324	299				
				75	173	227	185				
				80	109	132	94				
85	53	52	36								
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)											
pcc	80			70			50				
pw	70	50	30	70	50	30	50	30			
RCR											
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11			
1	1.10	1.05	1.01	1.07	1.03	.99	.99	.96			
2	1.01	.93	.87	.98	.91	.85	.88	.83			
3	.92	.82	.75	.90	.81	.74	.78	.72			
4	.85	.74	.66	.83	.73	.65	.70	.63			
5	.78	.66	.57	.76	.65	.57	.63	.56			
6	.72	.59	.51	.70	.58	.50	.56	.49			
7	.66	.53	.45	.65	.52	.44	.51	.43			
8	.62	.48	.40	.60	.47	.40	.46	.39			
9	.57	.44	.36	.56	.43	.35	.42	.35			
10	.53	.40	.32	.52	.39	.32	.38	.31			

Arioso recessed LED ribbed acrylic 1x4, 3800 nominal lumens

LER – 97

Catalog No.	1AVEG38L840-4-ACR	Candlepower				Light Distribution		
Test No.	31660	Angle	End	45	Cross	Degrees	Lumens	% Luminaire
S/MH	1.3	0	1401	1401	1401	0-30	1087	27.85
Lamp Type	LED	5	1395	1412	1366	0-40	1770	45.35
Lumens/Lamp	3908	10	1374	1396	1354	0-60	3092	79.21
Input Watts	40.4	15	1337	1363	1322	0-90	3904	100.00
Comparative yearly lighting energy cost per 1000 lumens – \$2.47 based on 3000 hrs. and \$.08 pwr KWH.		20	1285	1314	1285	Coefficients of Utilization		
		25	1218	1259	1232			
		30	1137	1191	1170			
		35	1044	1110	1102			
		40	941	1023	1027			
		45	829	926	941			
		50	715	825	852			
		55	602	719	756			
		60	499	614	651			
		65	398	509	519			
		70	302	400	374			
		75	214	284	233			
		80	136	168	119			
85	65	67	46					
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)								
pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11
1	1.10	1.05	1.01	1.07	1.03	.99	.99	.96
2	1.01	.93	.87	.98	.91	.85	.87	.83
3	.92	.82	.75	.90	.81	.74	.78	.72
4	.85	.74	.66	.83	.72	.65	.70	.63
5	.78	.66	.57	.76	.65	.57	.63	.56
6	.72	.59	.51	.70	.58	.50	.56	.49
7	.66	.53	.44	.65	.52	.44	.51	.43
8	.61	.48	.40	.60	.47	.39	.46	.39
9	.57	.44	.36	.56	.43	.35	.42	.35
10	.53	.40	.32	.52	.39	.32	.38	.31

Catalog Number	Delivered Lumens	Input Watts	Efficacy lm/W	8'x8' avg fc	8'x8' W/sq ft	8'x10' avg fc	8'x10' W/sq ft
1AVEG32L840-4-ACR	3168	30.7	103	49.4	0.48	39.6	0.38
1AVEG38L840-4-ACR	3908	40.4	97	61.0	0.63	48.8	0.51

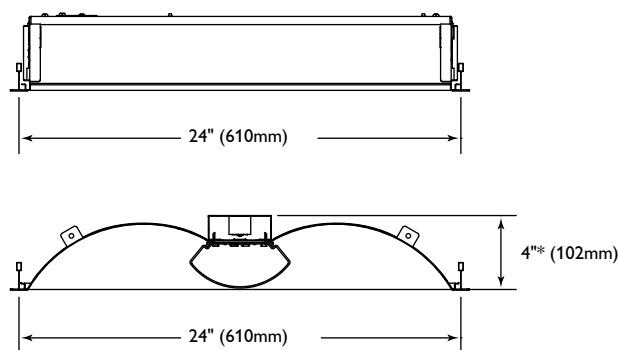
2AVE Arioso recessed LED

2'x2'

Features

- 100% frosted ribbed acrylic lens provides soft, balanced, direct and reflected light.
- Seamless welded form – curved top and side reflectors formed together without any gaps or visual barriers.
- High performance LED technology delivers up to 3824 lm at 40.5W.
- Multiple lumen outputs available to balance energy savings with lighting application needs.
- Ideal for indoor general area lighting – offices, schools, retail and health care applications.
- 80+ CRI and excellent color consistency.
- Capable of providing 25-40% energy savings over 2-T5HO (28W) fluorescent luminaires.
- High efficiency LEDs have a minimum 50,000 hour rated life (L70).
- Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Dimming option available.

Dimensions



* EMLED is 1-3/4" (45mm) deeper.

Construction/Finish

- 20 gauge steel housing assembly.
- 95% reflectance baked white acrylic matte paint finish.

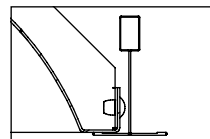
Electrical

- LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. For dimming options, consult factory. LED array and driver accessible from below.
- cCSAus listed.

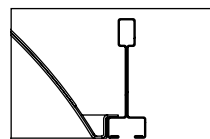
Enclosure

- High performance contoured lens conceals lamp image providing balance between reflected and direct light.

Ceiling compatibility for G type luminaire



Suited to standard exposed 15/16" T-grid ceilings



Suited to standard exposed Slot T-grid ceilings

Photometry

Arioso Recessed LED Ribbed Acrylic 2x2, 3200 nominal lumens

LER – 99

		Candlepower				Light Distribution																																																																																																																																
Catalog No.	2AVEG32L840-2-ACR	Angle	End	45	Cross	Degrees	Lumens	% Luminaire																																																																																																																														
Test No.	31661	0	1063	1063	1063	0-30	819	26.42																																																																																																																														
S/MH	1.3	5	1053	1062	1063	0-40	1332	42.97																																																																																																																														
Lamp Type	LED	10	1034	1049	1056	0-60	2344	75.62																																																																																																																														
Lumens/Lamp	3103	15	1001	1022	1031	0-90	3099	100.00																																																																																																																														
Input Watts	31.3	20	955	983	1002																																																																																																																																	
Comparative yearly lighting energy cost per 1000 lumens – \$2.42 based on 3000 hrs. and \$.08 pwr KWH.		25	899	938	966	Coefficients of Utilization EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) <table><tr><td>pcc</td><td colspan="3">80</td><td colspan="3">70</td><td colspan="2">50</td></tr><tr><td>pw</td><td>70</td><td>50</td><td>30</td><td>70</td><td>50</td><td>30</td><td>50</td><td>30</td></tr><tr><td>RCR</td><td colspan="8"></td></tr><tr><td>0</td><td>1.19</td><td>1.19</td><td>1.19</td><td>1.16</td><td>1.16</td><td>1.16</td><td>1.11</td><td>1.11</td></tr><tr><td>1</td><td>1.09</td><td>1.04</td><td>1.00</td><td>1.06</td><td>1.02</td><td>.98</td><td>.97</td><td>.94</td></tr><tr><td>2</td><td>.99</td><td>.91</td><td>.85</td><td>.97</td><td>.89</td><td>.83</td><td>.86</td><td>.81</td></tr><tr><td>3</td><td>.91</td><td>.80</td><td>.72</td><td>.88</td><td>.79</td><td>.71</td><td>.76</td><td>.70</td></tr><tr><td>4</td><td>.84</td><td>.72</td><td>.63</td><td>.81</td><td>.71</td><td>.63</td><td>.68</td><td>.61</td></tr><tr><td>5</td><td>.77</td><td>.64</td><td>.55</td><td>.75</td><td>.63</td><td>.55</td><td>.61</td><td>.54</td></tr><tr><td>6</td><td>.71</td><td>.58</td><td>.49</td><td>.69</td><td>.57</td><td>.48</td><td>.55</td><td>.47</td></tr><tr><td>7</td><td>.65</td><td>.52</td><td>.43</td><td>.63</td><td>.51</td><td>.42</td><td>.49</td><td>.42</td></tr><tr><td>8</td><td>.60</td><td>.47</td><td>.38</td><td>.59</td><td>.46</td><td>.38</td><td>.45</td><td>.37</td></tr><tr><td>9</td><td>.56</td><td>.43</td><td>.34</td><td>.55</td><td>.42</td><td>.34</td><td>.41</td><td>.33</td></tr><tr><td>10</td><td>.52</td><td>.39</td><td>.31</td><td>.51</td><td>.38</td><td>.31</td><td>.37</td><td>.30</td></tr></table>			pcc	80			70			50		pw	70	50	30	70	50	30	50	30	RCR									0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1	1.09	1.04	1.00	1.06	1.02	.98	.97	.94	2	.99	.91	.85	.97	.89	.83	.86	.81	3	.91	.80	.72	.88	.79	.71	.76	.70	4	.84	.72	.63	.81	.71	.63	.68	.61	5	.77	.64	.55	.75	.63	.55	.61	.54	6	.71	.58	.49	.69	.57	.48	.55	.47	7	.65	.52	.43	.63	.51	.42	.49	.42	8	.60	.47	.38	.59	.46	.38	.45	.37	9	.56	.43	.34	.55	.42	.34	.41	.33	10	.52	.39	.31	.51	.38	.31	.37	.30
		pcc	80						70			50																																																																																																																										
		pw	70	50	30				70	50	30	50	30																																																																																																																									
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		0	1.19	1.19	1.19				1.16	1.16	1.16	1.11	1.11																																																																																																																									
		1	1.09	1.04	1.00				1.06	1.02	.98	.97	.94																																																																																																																									
		2	.99	.91	.85				.97	.89	.83	.86	.81																																																																																																																									
		3	.91	.80	.72				.88	.79	.71	.76	.70																																																																																																																									
		4	.84	.72	.63				.81	.71	.63	.68	.61																																																																																																																									
		5	.77	.64	.55				.75	.63	.55	.61	.54																																																																																																																									
		6	.71	.58	.49				.69	.57	.48	.55	.47																																																																																																																									
		7	.65	.52	.43				.63	.51	.42	.49	.42																																																																																																																									
		8	.60	.47	.38				.59	.46	.38	.45	.37																																																																																																																									
9	.56	.43	.34	.55	.42	.34	.41	.33																																																																																																																														
10	.52	.39	.31	.51	.38	.31	.37	.30																																																																																																																														
30	833	884	921																																																																																																																																			
35	762	823	874																																																																																																																																			
40	684	758	821																																																																																																																																			
45	605	690	762																																																																																																																																			
50	524	616	701																																																																																																																																			
55	442	540	635																																																																																																																																			
60	364	469	569																																																																																																																																			
65	289	397	502																																																																																																																																			
70	220	329	434																																																																																																																																			
75	157	262	363																																																																																																																																			
80	99	190	249																																																																																																																																			
85	47	89	95																																																																																																																																			

2AVE

Ariosso recessed LED

2'x2'

Ariosso Recessed LED Ribbed Acrylic 2x2, 3800 nominal lumens					LER – 94				
Catalog No. Test No. S/MH Lamp Type Lumens/Lamp Input Watts 2AVEG38L840-2-ACR 31662 1.3 LED 3824 40.5 Comparative yearly lighting energy cost per 1000 lumens – \$2.55 based on 3000 hrs. and \$.08 pwr KWH.	Candlepower				Light Distribution				
	Angle	End	45	Cross	Degrees	Lumens	% Luminaire		
	0	1322	1322	1322	0-30	1017.2	6.61		
	5	1309	1319	1323	0-40	1651	43.23		
	10	1285	1302	1314	0-60	2898	75.88		
	15	1245	1268	1282	0-90	3820	100.00		
	20	1188	1219	1247					
	25	1118	1162	1201					
	30	1037	1093	1145					
	35	947	1015	1087					
	40	851	934	1021					
	45	752	845	948					
	50	652	754	872					
	55	551	659	790					
	60	453	570	708					
	65	360	479	624					
	70	273	390	540					
	75	195	313	452					
	80	123	227	313					
	85	58	108	119					
					Coefficients of Utilization				
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
pcc	80			70			50		
pw	70	50	30	70	50	30	50	30	
RCR									
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	
1	1.09	1.04	1.00	1.06	1.02	.98	.97	.94	
2	.99	.91	.85	.97	.89	.83	.86	.81	
3	.91	.80	.72	.88	.79	.72	.76	.70	
4	.84	.72	.64	.82	.71	.63	.68	.61	
5	.77	.64	.56	.75	.63	.55	.61	.54	
6	.71	.58	.49	.69	.57	.48	.55	.48	
7	.65	.52	.43	.64	.51	.43	.49	.42	
8	.61	.47	.39	.59	.46	.38	.45	.37	
9	.56	.43	.34	.55	.42	.34	.41	.34	
10	.52	.39	.31	.51	.38	.31	.37	.30	

Catolog Number	Delivered Lumens	Input Watts	Efficacy lm/W	8'x8' avg fc	8'x8' W/sq ft	8'x10' avg fc	8'x10' W/sq ft
2AVEG32L840-2-ACR	3103	31.3	99	48.4	0.49	38.7	0.39
2AVEG38L840-2-ACR	3824	40.5	94	59.7	0.63	47.8	0.51

2AVE Ariosso recessed LED

4'x4'

Features

- 100% frosted ribbed acrylic lens provides soft, balanced, direct and reflected light.
- Seamless welded form – curved top and side reflectors formed together without any gaps or visual barriers.
- High performance LED technology capable of delivering up to 7400 lm at 74.9W.
- Multiple lumen outputs available to balance energy savings with lighting application needs.
- Ideal for indoor general area lighting – offices, schools, retail and health care applications.
- High lumen package version available for retail applications (7400 lm at 75W) – provides similar light output to a 3-32W T8 luminaire and 12% energy savings.
- 80+ CRI and excellent color consistency.
- High efficiency LEDs have a minimum 50,000 hour rated life (L70).
- Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Dimming option available.

Construction/Finish

- 20 gauge steel housing assembly.
- 95% reflectance baked white acrylic matte paint finish.

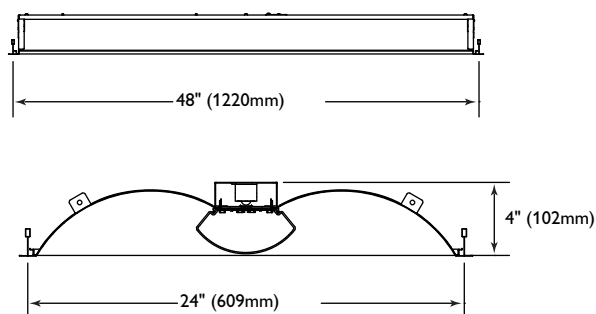
Electrical

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- cCSAus listed.

Enclosure

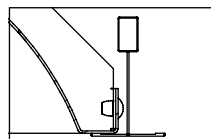
- High performance contoured lens conceals lamp image providing balance between reflected and direct light.

Dimensions

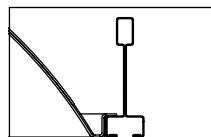


* EMLED is 1-3/4" (45mm) deeper.

Ceiling compatibility for G type luminaire



Suited to standard exposed 15/16" T-grid ceilings



Suited to standard exposed Slot T-grid ceilings

Photometry

Ariosso Recessed LED Ribbed Acrylic 2x4, 3800 nominal lumens

LER – 97

Catalog No.	2AVEG38L840-4-ACR	Candlepower				Light Distribution		
Test No.	31664	Angle	End	45	Cross	Degrees	Lumens	% Luminaire
S/MH	1.3	0	1345	1345	1345	0-30	1044	26.67
Lamp Type	LED	5	1341	1354	1310	0-40	1702	43.46
Lumens/Lamp	3920	10	1320	1338	1298	0-60	2983	76.19
Input Watts	40.3	15	1284	1307	1268	0-90	3915	100.00
Comparative yearly lighting energy cost per 1000 lumens – \$2.47 based on 3000 hrs. and \$.08 pwr KWH.		20	1234	1261	1233	Coefficients of Utilization		
		25	1169	1209	1185			
		30	1092	1145	1127			
		35	1001	1068	1064			
		40	901	986	992			
		45	796	903	912			
		50	683	799	830			
		55	573	699	743			
		60	466	604	657			
		65	364	507	569			
		70	272	416	483			
		75	195	332	398			
		80	124	246	289			
		85	60	136	121			
		EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)						
pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11
1	1.09	1.04	1.00	1.06	1.02	.98	.97	.94
2	.99	.92	.85	.97	.90	.83	.86	.81
3	.91	.81	.73	.88	.79	.72	.76	.70
4	.84	.72	.64	.82	.71	.63	.68	.61
5	.77	.65	.56	.75	.63	.55	.61	.54
6	.71	.58	.49	.69	.57	.48	.55	.48
7	.65	.52	.43	.64	.51	.43	.49	.42
8	.61	.47	.39	.59	.46	.38	.45	.38
9	.56	.43	.35	.55	.42	.34	.41	.34
10	.52	.39	.31	.51	.38	.31	.37	.30

2AVE Arioso recessed LED

4'x4'

Arioso Recessed LED Ribbed Acrylic 2x4, 4300 nominal lumens

LER – 110

Catalog No.	2AVEG43L840-4-ACR	Candlepower				Light Distribution		
Test No.	31665	Angle	End	45	Cross	Degrees	Lumens	% Luminaire
S/MH	1.3	0	1478	1478	1478	0-30	1147	26.74
Lamp Type	LED	5	1477	1489	1433	0-40	1868	43.57
Lumens/Lamp	4293	10	1454	1472	1420	0-60	3271	76.29
Input Watts	39.2	15	1415	1437	1387	0-90	4288	100.00
Comparative yearly lighting energy cost per 1000 lumens – \$2.18 based on 3000 hrs. and \$.08 pwr KWH.		20	1359	1387	1348	Coefficients of Utilization		
		25	1288	1329	1295			
		30	1202	1258	1233			
		35	1102	1174	1163			
		40	992	1084	1085			
		45	872	983	997			
		50	749	877	906			
		55	627	767	810			
		60	509	660	716			
		65	398	556	618			
		70	297	458	524			
		75	207	366	430			
		80	127	272	304			
85	61	145	123					
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)								
pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11
1	1.09	1.04	1.00	1.06	1.02	.98	.97	.94
2	.99	.92	.85	.97	.90	.83	.86	.81
3	.91	.81	.73	.88	.79	.72	.76	.70
4	.84	.72	.64	.82	.71	.63	.68	.62
5	.77	.65	.56	.75	.63	.55	.61	.54
6	.71	.58	.49	.69	.57	.49	.55	.48
7	.65	.52	.43	.64	.51	.43	.50	.42
8	.61	.47	.39	.59	.46	.38	.45	.38
9	.56	.43	.35	.55	.42	.34	.41	.34
10	.52	.39	.31	.51	.38	.31	.37	.30

Arioso Recessed LED Ribbed Acrylic 2x4, 4900 nominal lumens

LER – 110

		Candlepower				Light Distribution		
Catalog No.	2AVEG49L840-4-ACR	Angle	End	45	Cross	Degrees	Lumens	% Luminaire
Test No.	31666	0	1667	1667	1667	0-30	1292	26.66
S/MH	1.3	5	1668	1683	1610	0-40	2104	43.39
Lamp Type	LED	10	1642	1663	1594	0-60	3678	75.87
Lumens/Lamp	4854	15	1597	1623	1556	0-90	4848	100.00
Input Watts	44.1	20	1533	1565	1515			
Comparative yearly lighting energy cost per 1000 lumens – \$2.16 based on 3000 hrs. and \$.08 pwr KWH.		25	1451	1499	1456			
		30	1352	1417	1387			
		35	1238	1321	1309			
		40	1113	1217	1221			
		45	978	1102	1122			
		50	841	980	1021			
		55	704	856	914			
		60	571	735	808			
		65	447	617	697			
		70	334	508	592			
		75	234	403	484			
		80	146	298	326			
		85	71	150	125			
Coefficients of Utilization								
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)								
pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11
1	1.09	1.04	.99	1.06	1.02	.97	.97	.94
2	.99	.91	.85	.97	.89	.83	.86	.80
3	.91	.80	.72	.88	.79	.71	.76	.70
4	.84	.72	.63	.82	.71	.63	.68	.61
5	.77	.64	.56	.75	.63	.55	.61	.54
6	.71	.58	.49	.69	.57	.48	.55	.48
7	.65	.52	.43	.64	.51	.43	.49	.42
8	.61	.47	.39	.59	.46	.38	.45	.38
9	.56	.43	.34	.55	.42	.34	.41	.34
10	.52	.39	.31	.51	.38	.31	.37	.30

2AVE Ariosso recessed LED

4'x4'

Ariosso Recessed LED Ribbed Acrylic 2x4, 7400 nominal lumens

LER – 99

Catalog No.	2AVEG74L840-4-ACR
Test No.	31667
S/MH	1.3
Lamp Type	LED
Lumens/Lamp	7400
Input Watts	74.9

Candlepower

Angle	End	45	Cross
0	2560	2560	2560
5	2563	2587	2468
10	2523	2556	2446
15	2453	2495	2390
20	2355	2406	2325
25	2229	2306	2236
30	2078	2180	2130
35	1902	2034	2013
40	1711	1875	1879
45	1504	1698	1728
50	1291	1512	1573
55	1081	1322	1409
60	876	1137	1245
65	686	956	1077
70	512	783	914
75	357	626	745
80	220	460	492
85	105	220	180

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1986	26.87
0-40	3234	43.76
0-60	5659	76.56
0-90	7392	100.00

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
pcc	80			70			50		
pw	70	50	30	70	50	30	50	30	
RCR									
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	
1	1.09	1.04	1.00	1.06	1.02	.98	.98	.95	
2	1.00	.92	.85	.97	.90	.84	.86	.81	
3	.91	.81	.73	.89	.79	.72	.76	.70	
4	.84	.72	.64	.82	.71	.63	.69	.62	
5	.77	.65	.56	.75	.64	.55	.61	.54	
6	.71	.58	.49	.69	.57	.49	.55	.48	
7	.65	.52	.43	.64	.51	.43	.50	.42	
8	.61	.47	.39	.59	.46	.38	.45	.38	
9	.56	.43	.35	.55	.42	.34	.41	.34	
10	.52	.39	.31	.51	.39	.31	.38	.30	

Comparative yearly lighting energy cost per 1000 lumens – **\$2.42** based on 3000 hrs. and \$.08 pwr KWH.

Catalog Number	Delivered Lumens	Input Watts	Efficacy lm/W	8'x8' avg fc	8'x8' W/ sq ft	8'x10' avg fc	8'x10' W/ sq ft
2AVEG38L840-4-ACR	3920	40.3	97	61.2	0.63	48.9	0.50
2AVEG43L840-4-ACR	4293	39.2	110	67.0	0.61	53.6	0.49
2AVEG49L840-4-ACR	4854	44.1	110	75.8	0.69	60.6	0.55
2AVEG74L840-4-ACR	7400	74.9	99	115.5	1.17	92.4	0.94