

Day-Brite

CFI

by  Signify

Recessed

Arioso acrylic 2x4

T5 or T8



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

The Day-Brite / CFI Arioso recessed acrylic features a white opal acrylic diffuser and contoured seamless reflectors. Arioso Acrylic strips Arioso down to its purest form, where only light and shape are displayed. With these clean crisp lines and soft illumination, this luminaire emulates the qualities of natural lighting.

Ordering guide

Example: 2AVG232-ACR-UNV-1/2-EBLHE-LPT835HL

Width	Family	Ceiling Type	No. of Lamps (not included)	Lamp Type	Shielding	Voltage	Options
2	AV	G		—	ACR	—	
2 2'	AV Arioso recessed	G Grid	2 3	28 28WT5 (46") 32 32WT8 (48")	ACR White opal acrylic diffuser	120 277 347 UNV Universal Voltage 120-277V	1/2 One 2-lamp ballast 1/3 One 3-lamp ballast 1/21 2-lamp & 1-lamp ballasts EB Electronic ballast, <10% THD, std. ballast factor EB10R T8 electronic ballast, program rapid start, <10% THD EBHE T8 electronic ballast, high efficiency, std. ballast factor EBLHE T8 electronic ballast, high efficiency, low ballast factor EBHHE T8 electronic ballast, high efficiency, high ballast factor EBSD T8 electronic step dimming ballast, .88 ballast factor EBD7 Advance Mark 7 dimming ballast, 0-10V (low voltage) control EBDX Advance Mark 10 dimming ballast, phase control EBD Electronic dimming ballast, customer specified E1 B100 emerg. ballast, T8, 350-450 lumens, 120/277V E1CAN B100-CAN emerg. ballast, Canada market, T8, 350-450 lumens, 120/347V E7 B60 emerg. ballast, T8, 600-700 lumens, 120/277V E5 B50 emerg. ballast, U.S. or Canada market, T8, 1100-1400 lumens, UNV ESCAN B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V E5ST B50ST emerg. ballast w/self test, T8, 1100-1400 lumens, UNV E7LP LP550 emerg. ballast T5/T5HO, 430-700 lumens, 120/277V E6LP LP600 emerg. ballast U.S. or Canada market, T5/T5HO, 750-1325 lumens, 120/277V F1 3/8" flex 3 wire, 18 gauge 6' F2 3/8" flex 4 wire, 18 gauge 6' F2/5W 3/8" flex, 5 wire 18 gauge 6' GLR Fusing, fast blow LPT830 Installed T8/T5 lamps, 80+ CRI, 3000K LPT835 Installed T8/T5 lamps, 80+ CRI, 3500K LPT841 Installed T8/T5 lamps, 80+ CRI, 4100K LPT830HL Installed T8/T5 high lumen lamps, 80+ CRI, 3000K LPT835HL Installed T8/T5 high lumen lamps, 80+ CRI, 3500K LPT841HL Installed T8/T5 high lumen lamps, 80+ CRI, 4100K CHIC Chicago plenum rated

Accessories (order separately)

- AVHD Hold down clips
- AV-DC4 Debris cover 2'x4'
- AV-GC4 Germ cover 2'x4'
- FMA24 2'x4' "F" mounting frame for NEMA "F" mounting



2AVG Arioso recessed acrylic 2x4

T5 or T8

Application

- Architectural recessed direct/indirect lighting for glare-free illumination.
- Suitable for grid inverted T (NEMA "G") ceilings. Flange type ceilings (NEMA "F") require independently mounted flange kits (FMA).
- Fully recessed mounting, suitable for row mounting.

Construction/Finish

- Top reflector and end panels are formed together with no gaps.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- Soft white baked enamel finish.
- Easy ballast access through lamp compartment.
- Optional hold down clips available (order separately: cat # AVHD).

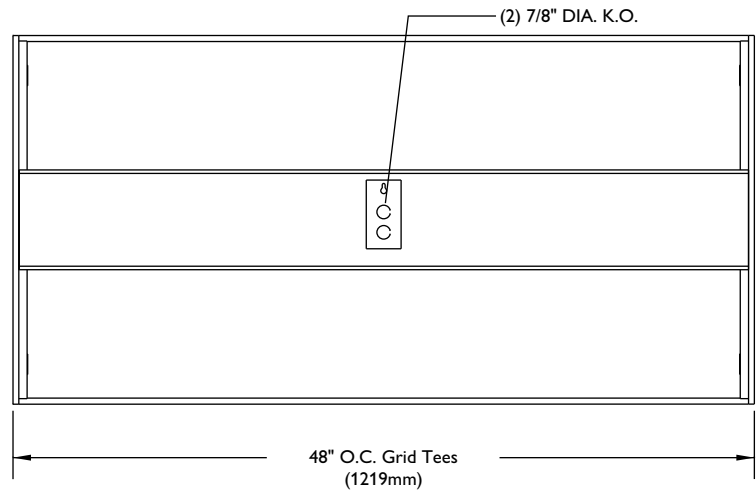
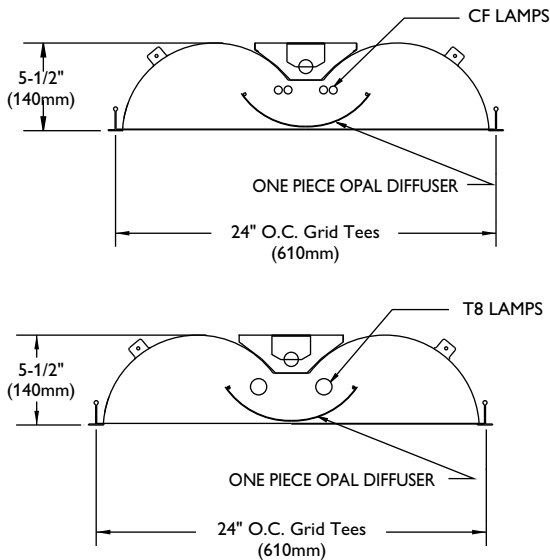
Electrical

- cULus listed for damp locations.
- Self-contained fluorescent emergency power pack can be incorporated.

Enclosure

- White opal acrylic diffuser provides soft awareness of light source and balances between reflected and direct light.
- Swing down lamp shield for easy relamping.

Dimensions



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

2AVG Arioso recessed acrylic 2x4

T5 or T8

Photometry

Arioso recessed acrylic 2x4 2 Lamp T8

Efficiency – 80.0%

LER – 68

TER – 58

Catalog No. 2AVG232-ACR-1/2-EB Test No. 26728 S/MH 1.3 Lamp Type F32T8 Lumens/Lamp 2850 Ballast Factor 0.88 Input Watts 59 Comparative yearly lighting energy cost per 1000 lumens – \$3.53 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.	Candlepower				Light Distribution				Average Luminance				
	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross	
0	1434	1434	1434	0-30	1130	19.8	24.8	45	1893	1979	2042		
5	1438	1431	1414	0-40	1874	32.9	41.1	55	1848	2017	2130		
10	1420	1416	1402	0-60	3437	60.3	75.4	65	1757	2082	2174		
15	1392	1390	1379	0-90	4559	80.0	100.0	75	1586	1991	1991		
20	1351	1354	1346					85	1266	1436	1343		
25	1303	1309	1310	Coefficients of Utilization									
30	1240	1254	1262	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
35	1168	1190	1207	pcc	80			70			50		
40	1086	1119	1141	pw	70	50	30	70	50	30	50	30	
45	995	1040	1073	RCR									
50	895	955	995	0	94	94	94	93	93	93	89	89	
55	788	860	908	1	85	81	79	83	80	77	77	73	
60	674	763	807	2	78	70	65	76	69	64	67	61	
65	552	654	683	3	70	61	55	68	60	54	57	53	
70	428	531	523	4	65	55	46	63	54	46	52	46	
75	305	383	383	5	58	48	40	57	47	40	46	40	
80	188	237	233	6	55	44	35	53	42	35	40	34	
85	82	93	87	7	51	39	32	48	39	32	38	30	
				8	46	35	28	46	34	28	34	28	
				9	44	33	26	42	32	26	32	26	
				10	40	29	23	40	29	23	28	23	

Arioso recessed acrylic 2x4 3 Lamp T8

Efficiency – 80.4%

LER – 71

TER – 61

Catalog No. 2AVG332-ACR-1/3-EB Test No. 26750 S/MH 1.3 Lamp Type F32T8 Lumens/Lamp 2850 Ballast Factor 0.88 Input Watts 85 Comparative yearly lighting energy cost per 1000 lumens – \$3.38 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.	Candlepower				Light Distribution				Average Luminance				
	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross	
0	2192	2192	2192	0-30	1725	20.2	25.1	45	2898	2987	3060		
5	2199	2186	2176	0-40	2855	33.4	41.5	55	2827	3012	3143		
10	2174	2161	2150	0-60	5205	60.9	75.7	65	2700	3069	3168		
15	2126	2119	2114	0-90	6875	80.4	100.0	75	2433	2916	2963		
20	2066	2066	2066					85	1976	2362	2161		
25	1986	1991	2001	Coefficients of Utilization									
30	1890	1905	1923	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
35	1784	1803	1830	pcc	80			70			50		
40	1659	1695	1723	pw	70	50	30	70	50	30	50	30	
45	1523	1570	1608	RCR									
50	1369	1435	1478	0	95	95	95	93	93	93	89	89	
55	1205	1284	1340	1	86	82	79	84	81	78	78	75	
60	1027	1131	1184	2	79	71	66	76	69	65	67	63	
65	848	964	995	3	70	63	56	68	60	55	58	53	
70	658	778	762	4	65	55	47	63	54	46	52	46	
75	468	561	570	5	59	48	41	57	47	40	46	40	
80	288	356	362	6	55	44	36	54	42	35	41	35	
85	128	153	140	7	51	40	33	50	39	32	38	32	
				8	46	35	28	46	35	28	34	28	
				9	44	33	27	42	33	26	32	26	
				10	41	30	23	40	29	23	28	23	

