

# Day-Brite

CFI

by Signify

## Recessed

Arioso air perf 2x2

T5, T5HO, TT5, or T8



Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

The Day-Brite / CFI Arioso recessed air perf offers air handling capabilities along with all the benefits of the standard Arioso. Through integrated side slots, this luminaire incorporates the air handling feature without disturbing the simple clean lines and soft natural illumination that is the foundation of the Arioso recessed family.

### Ordering guide

Example: 2AVGA217-PMW-UNV-1/2-EBHE-LPT835HL

Width	Family	Ceiling Type	Air Function	No. of Lamps (not included)	Lamp Type	Shielding	Voltage	Options
2 2'	AV	G	A		—	PMW	—	
2 2'	AV Arioso recessed	G Grid	A Air handling	1 (CF only) 2 3 (except CF)	14 14WT5 (22") 17 17WT8 (24") 24HO 24WT5HO (22") CF40 40WTT5 (24") CF50 50WTT5 (24") CF55 55WTT5 (24")	PMW Perforated metal w/ white overlay	120 277 347 UNV Universal Voltage 120-277V	1/1 One 1-lamp ballast 1/2 One 2-lamp ballast 1/3 One 3-lamp ballast 1/21 2-lamp & 1-lamp ballast EB Electronic ballast, <10% THD, std. ballast factor EB101 CF40 electronic ballast, instant start, <10% THD 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 or CF, 1100-1400 lumens, UNV E5CAN 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/SW 3/8" flex, 5 wire 18 gauge 6' GLR Fusing, fast blow LPT830 Installed T8/T5/T5HO lamps, 80+ CRI, 3000K LPT835 Installed T8/T5/T5HO lamps, 80+ CRI, 3500K LPT841 Installed T8/T5/T5HO lamps, 80+ CRI, 4100K LPT830HL Installed T8 high lumen lamps, 80+ CRI, 3000K LPT835HL Installed T8 high lumen lamps, 80+ CRI, 3500K LPT841HL Installed T8 high lumen lamps, 80+ CRI, 4100K

### Accessories (order separately)

- AVHD Hold down clips
- AV-DC2 Debris cover 2'x2'
- FMA22 2'x2' "F" mounting frame for NEMA "F" mounting



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## Application

- Architectural air handling recessed direct/indirect lighting for glare-free illumination.
- Air return through side slots.
- 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).

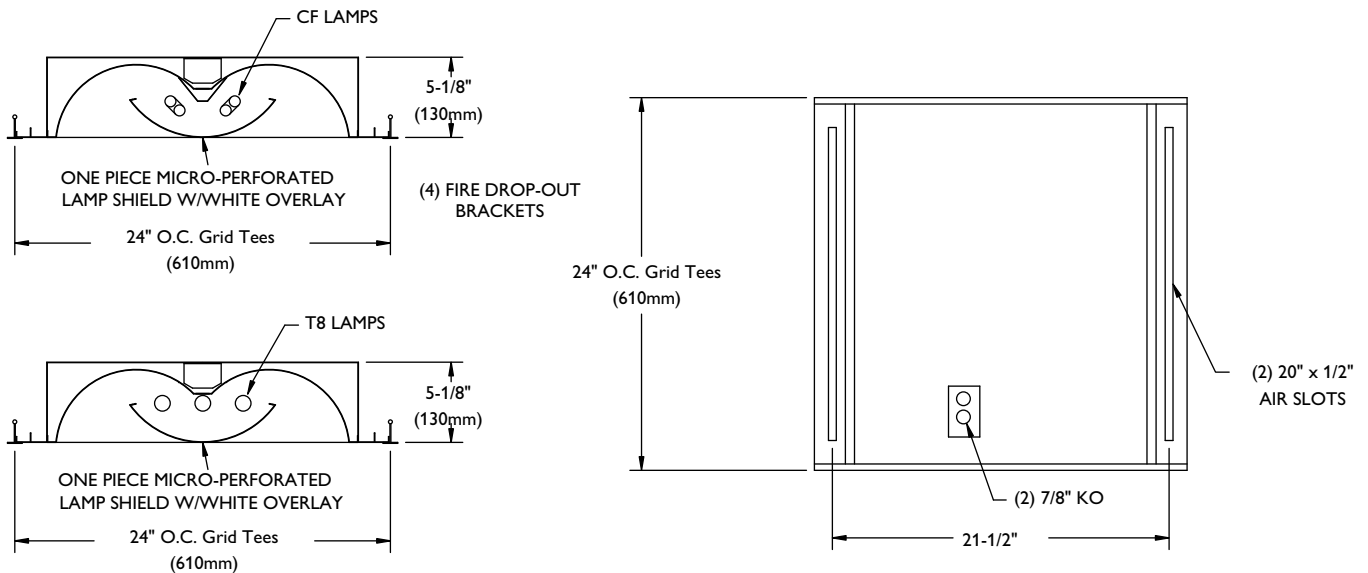
## Electrical

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

## Enclosure

- Micro-perforated mesh lamp shield provides soft awareness of light source.
- Soft white overlay on inside of micro-perforated mesh conceals lamp image and balances between reflected and direct light.
- Swing down lamp shield for easy relamping.
- Drop out basket will fall out in fire situation before flames reach the luminaire.
- Lamp shield end trim is included for field installation if desired (not required).

## Dimensions



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## Photometry

### Arioso recessed air perf 2x2 2 lamp CF40

Efficiency – 60.6%

LER – 50

TER – 44

Catalog No. 2AVGA2CF40-PMW-1/2-EB Test No. 24684 S/MH 1.3 Lamp Type 40WTT5 Lumens/Lamp 3150 Ballast Factor .88 Input Watts 67		Candlepower				Light Distribution				Average Luminance								
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross					
Comparative yearly lighting energy cost per 1000 lumens – <b>\$4.80</b> 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.		0	1380	1380	1380	0-30	1073	17.0	28.1	45	4373	4615	4704					
		5	1377	1375	1379	0-40	1763	28.0	46.2	55	4100	4398	4228					
		10	1354	1357	1363	0-60	3101	49.2	81.2	65	3795	3745	3042					
		15	1321	1328	1339	0-90	3819	60.6	100.0	75	3429	2578	2524					
		20	1277	1288	1304					85	2325	2004	1884					
		25	1215	1236	1251	<b>Coefficients of Utilization</b>												
		30	1151	1181	1200	<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>												
		35	1075	1109	1132	pcc	80			70			50					
		40	983	1026	1052	pw	70	50	30	70	50	30	50	30				
		45	885	934	952	RCR												
		50	782	835	834	0	71	71	71	69	69	69	67	67				
		55	673	722	694	1	66	63	60	64	61	59	58	56				
		60	564	594	529	2	59	55	51	58	54	50	52	48				
		65	459	453	368	3	55	48	44	53	47	42	46	41				
		70	354	297	276	4	50	42	38	48	41	36	40	36				
		75	254	191	187	5	46	39	33	45	38	33	36	32				
		80	142	120	111	6	42	34	28	41	34	28	33	28				
85	58	50	47	7	40	32	26	39	30	26	29	26						
				8	36	28	23	35	28	23	28	23						
				9	34	26	20	34	26	20	25	20						
				10	32	23	20	32	23	19	23	19						

### Arioso recessed air perf 2x2 3 lamp T8

Efficiency – 52.6%

LER – 47

TER – 40

Catalog No. 2AVGA317-PMW-1/3-EB Test No. 24695 S/MH 1.3 Lamp Type F17T8 Lumens/Lamp 1325 Ballast Factor .99 Input Watts 44		Candlepower				Light Distribution				Average Luminance								
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross					
Comparative yearly lighting energy cost per 1000 lumens – <b>\$5.11</b> 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.		0	772	772	768	0-30	601	15.1	28.7	45	2392	2535	2564					
		10	760	762	760	0-40	983	24.7	47.0	55	2193	2364	2266					
		15	739	744	746	0-60	1712	43.1	81.8	65	1968	1951	1587					
		20	711	719	726	0-90	2092	52.6	100.0	75	1674	1377	1377					
		25	675	691	699					85	1082	1082	1082					
		30	635	656	666	<b>Coefficients of Utilization</b>												
		35	590	614	626	<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>												
		40	540	567	576	pcc	80			70			50					
		45	484	513	519	pw	70	50	30	70	50	30	50	30				
		50	424	453	450	RCR												
		55	360	388	372	0	63	63	63	60	60	60	57	57				
		60	298	316	276	1	56	55	53	56	54	52	52	50				
		65	238	236	192	2	52	47	45	51	46	44	45	42				
		70	180	153	145	3	47	41	38	46	41	38	40	36				
		75	124	102	102	4	44	38	33	42	36	33	35	32				
		80	70	64	61	5	40	34	28	39	33	28	32	28				
		85	27	27	27	6	36	29	26	35	29	26	28	25				
				7	34	28	23	34	27	23	26	22						
				8	32	25	20	30	25	20	23	20						
				9	29	23	19	28	23	19	22	17						
				10	28	20	17	28	20	17	20	17						



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](http://www.lamprecycle.org)

