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	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 **EB10I** 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' **F2/5W** 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

2AVGA Arioso recessed air perf 2x2

T5, T5HO, TT5 or T8

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).

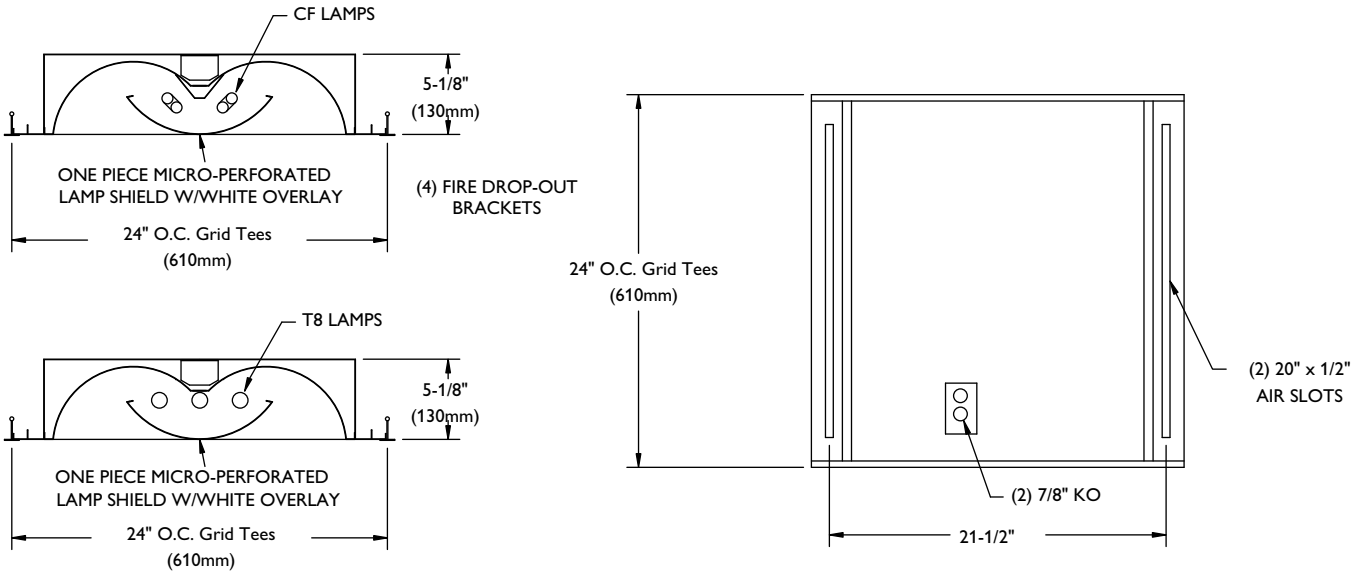
Electrical

- 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

Comparative yearly lighting energy cost per 1000 lumens – **$4.80** 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

Angle	End	45	Cross
0	1380	1380	1380
5	1377	1375	1379
10	1354	1357	1363
15	1321	1328	1339
20	1277	1288	1304
25	1215	1236	1251
30	1151	1181	1200
35	1075	1109	1132
40	983	1026	1052
45	885	934	952
50	782	835	834
55	673	722	694
60	564	594	529
65	459	453	368
70	354	297	276
75	254	191	187
80	142	120	111
85	58	50	47

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1073	17.0	28.1
0-40	1763	28.0	46.2
0-60	3101	49.2	81.2
0-90	3819	60.6	100.0

Average Luminance

Angle	End	45°	Cross
45	4373	4615	4704
55	4100	4398	4228
65	3795	3745	3042
75	3429	2578	2524
85	2325	2004	1884

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	71	71	71	69	69	69	67	67
1	66	63	60	64	61	59	58	56
2	59	55	51	58	54	50	52	48
3	55	48	44	53	47	42	46	41
4	50	42	38	48	41	36	40	36
5	46	39	33	45	38	33	36	32
6	42	34	28	41	34	28	33	28
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

Comparative yearly lighting energy cost per 1000 lumens – **$5.11** 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

Angle	End	45	Cross
0	772	772	768
10	760	762	760
15	739	744	746
20	711	719	726
25	675	691	699
30	635	656	666
35	590	614	626
40	540	567	576
45	484	513	519
50	424	453	450
55	360	388	372
60	298	316	276
65	238	236	192
70	180	153	145
75	124	102	102
80	70	64	61
85	27	27	27

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	601	15.1	28.7
0-40	983	24.7	47.0
0-60	1712	43.1	81.8
0-90	2092	52.6	100.0

Average Luminance

Angle	End	45°	Cross
45	2392	2535	2564
55	2193	2364	2266
65	1968	1951	1587
75	1674	1377	1377
85	1082	1082	1082

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	63	63	63	60	60	60	57	57
1	56	55	53	56	54	52	52	50
2	52	47	45	51	46	44	45	42
3	47	41	38	46	41	38	40	36
4	44	38	33	42	36	33	35	32
5	40	34	28	39	33	28	32	28
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

Hg

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

Signify

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