

Day-Brite

CFI

by Signify

Recessed

Arioso air perf 20"x48"

T5, T5HO, 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: 20AVGA232-PMW-UNV-1/2-EBLHE-LPT835HL

Width	Family	Ceiling Type	Air Function	No. of Lamps (not included)	Lamp Type	Shielding	Voltage	Options
20	AV	G	A		—	PMW	—	
20 20"	AV Arioso recessed perf	G Grid	A Air handling	2 3	28 28WT5 (46") 32 32WT8 (48") 54HO 54WT5HO (46")	PMW Perforated metal w/ white overlay	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 ballast 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 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/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

Accessories (order separately)

- AVHD Hold down clips
- FMA204 20"x4" "F" mounting frame for NEMA "F" mounting
- AV-DEP206 6" long filler plates (pair) for use with 20"x60" T-bar spacing



20AVGA Arioso recessed air perf 20"x48"

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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).

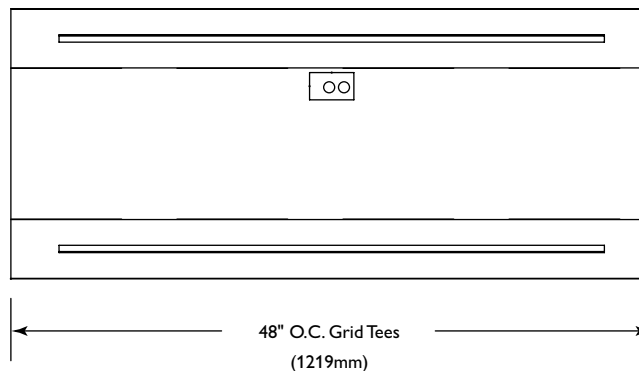
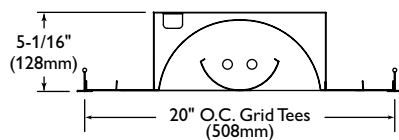
Electrical

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

Enclosure

- Micro-perforated mesh lamp shields provide 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 shields for easy relamping.
- Lamp shield end trim is included with PMW models for field installation if desired (not required).

Dimensions



20AVGA Arioso recessed air perf 20"x48"

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Photometry

Arioso recessed air perf (PMW) 20"x48" 2 lamp T8

Efficiency – 62.4%

LER – 66

TER – 58

		Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Catalog No.	20AVGA232-PMW-1/2-EB	0	1383	1383	1383	0-30	1086	18.4	29.5	45	3657	3698	3467
Test No.	LSCD133	5	1388	1380	1382	0-40	1777	30.1	48.3	55	3393	3194	2815
S/MH	1.3	10	1369	1371	1367	0-60	3042	51.6	82.6	65	3198	2421	2400
Lamp Type	F32T8	15	1332	1340	1343	0-90	3682	62.4	100.0	75	2815	1888	1877
Lumens/Lamp	2950	20	1291	1301	1309					85	1803	1148	918
Ballast Factor	1.00	25	1232	1256	1265								
Input Watts	56	30	1171	1196	1201								
		35	1093	1118	1102								
		40	1003	1027	994								
		45	905	915	858								
		50	793	796	713								
		55	681	641	565								
		60	571	497	452								
		65	473	358	355								
		70	366	268	266								
		75	255	171	170								
		80	152	99	93								
		85	55	35	28								
Comparative yearly lighting energy cost per 1000 lumens – \$3.64 based on 3000 hrs. and \$.08 pwr KWH.													

Coefficients of Utilization									
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
pcc	80			70			50		
	pw	50	30	70	50	30	50	30	
RCR									
0	74	74	74	73	73	73	69	69	
1	68	65	63	67	64	62	61	60	
2	62	57	53	61	56	53	54	51	
3	57	51	46	56	50	45	48	44	
4	52	45	40	51	44	39	43	38	
5	48	40	35	47	40	35	38	34	
6	45	36	31	43	36	31	35	30	
7	41	33	28	40	33	27	32	27	
8	39	30	25	38	30	25	29	24	
9	36	28	23	35	27	23	27	22	
10	34	26	21	33	25	21	25	20	



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

