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		

Options	
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"

T5, T5HO 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).

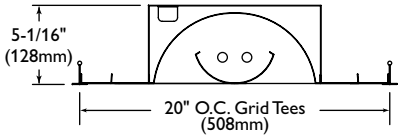
Electrical

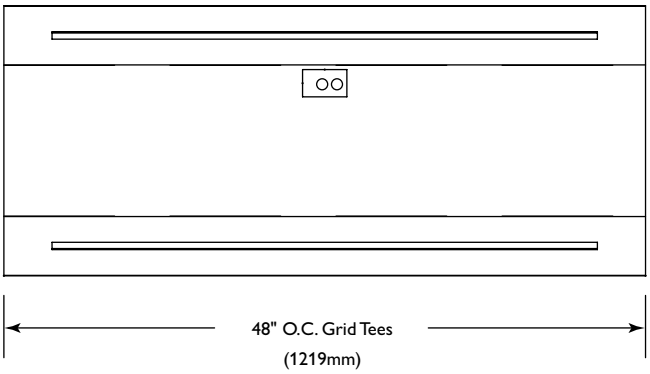
- cULus listed for damp locations.
- Self-contained fluorescent emergency power pack can be incorporated.

Enclosure

- 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"

T5, T5HO or T8

Photometry

Arioso recessed air perf (PMW) 20"x48" 2 lamp T8 **Efficiency – 62.4%** **LER – 66** **TER – 58**

Catalog No.	20AVGA232-PMW-1/2-EB
Test No.	LSCD133
S/MH	1.3
Lamp Type	F32T8
Lumens/Lamp	2950
Ballast Factor	1.00
Input Watts	56

Comparative yearly lighting energy cost per 1000 lumens – **$3.64** based on 3000 hrs. and $.08 pwr KWH.

Candlepower

Angle	End	45	Cross
0	1383	1383	1383
5	1388	1380	1382
10	1369	1371	1367
15	1332	1340	1343
20	1291	1301	1309
25	1232	1256	1265
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

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1086	18.4	29.5
0-40	1777	30.1	48.3
0-60	3042	51.6	82.6
0-90	3682	62.4	100.0

Average Luminance

Angle	End	45°	Cross
45	3657	3698	3467
55	3393	3194	2815
65	3198	2421	2400
75	2815	1888	1877
85	1803	1148	918

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	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

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

©2019 Signify Holding. All rights reserved. This document may be subject to change. No representation or warranty as to the accuracy or completeness of the information included herein is given and any liability for any action in reliance thereon is disclaimed. All trademarks are owned by Signify Holding or their respective owners.

Signify North America Corporation
200 Franklin Square Drive,
Somerset, NJ 08873
Telephone 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008