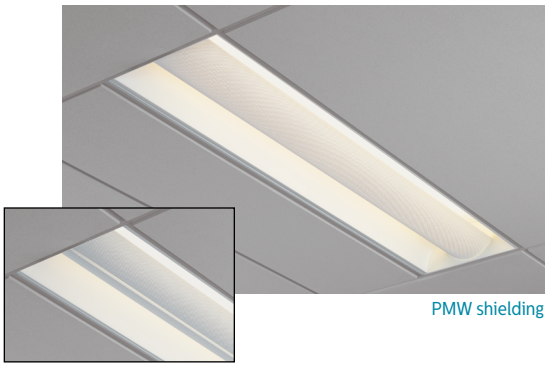
Day-Brite CFI by Signify

Recessed

Arioso perf 1x4

T5, T5HO, or T8



PMW shielding

SPMW shielding

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

The Day-Brite / CFI Arioso recessed perf offers simple clean lines in combination with soft natural illumination. With micro-perforated baskets and contoured seamless reflectors, this series focuses on providing smooth comfortable lighting while subtly complementing the space. Flexible enough to integrate with any architectural design, Arioso recessed provides a soft unassuming glow with comfortable illumination to optimize work and recreational activities.

Ordering guide

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

Width	Family	Ceiling Type	No. of Lamps (not included)	Lamp Type	Shielding	Voltage	Options
1	AV	G		–	–	–	
1 1'	**AV** Arioso recessed perf	**G** Grid	**1** **2**	**28** 28WT5 (46") **32** 32WT8 (48") **54HO** 54WT5HO (46")	**PMW** Perforated metal w/ white overlay **SPMW** 2-piece perforated metal with white overlay	**120** **277** **347** **UNV** Universal Voltage 120-277V	

1/1	One 1-lamp ballast
1/2	One 2-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
CHIC	Chicago plenum rated

Accessories (order separately)

- **AVHD** Hold down clips
- **FMA14** 1'x4' "F" mounting frame for NEMA "F" mounting

1AVG Arioso recessed perf 1x4

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

- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- Soft white baked enamel finish.
- Easy ballast access through removable back reflector.
- Optional hold down clips available (order separately: cat # AVHD).

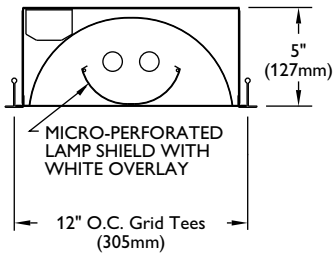
Electrical

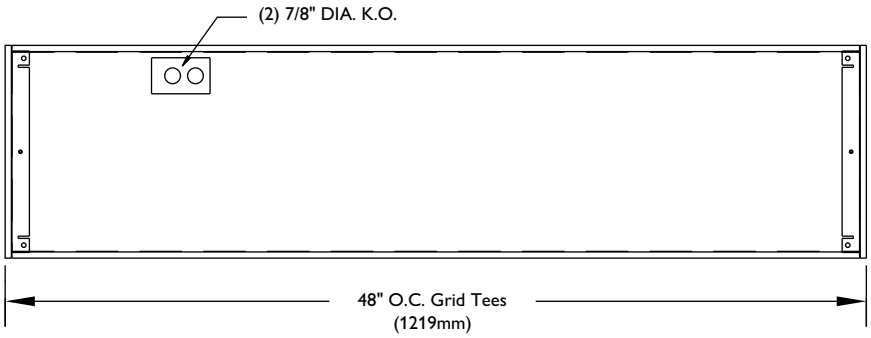
- cULus listed for damp locations.
- Self-contained fluorescent emergency power pack can be incorporated.

Enclosure

- Choice of one-piece (PMW) or two-piece (SPMW) lamp shield configuration.
- 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.
- Lamp shield end trim is included with PMW models for field installation if desired (not required).

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

1AVG Arioso recessed perf 1x4

T5, T5HO or T8

Photometry

Arioso recessed perf (PMW) 1x4 2 lamp T8

Efficiency – 54.0% **LER – 48** **TER – 43**

Catalog No.	1AVG232-PMW-1/2-EB
Test No.	20035
S/MH	1.3
Lamp Type	F32T8
Lumens/Lamp	2850
Ballast Factor	0.88
Input Watts	56

Comparative yearly lighting energy cost per 1000 lumens – $5.00 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	1171	1171	1171
5	1167	1168	1166
10	1153	1153	1153
15	1127	1129	1131
20	1079	1083	1085
25	1047	1052	1052
30	991	997	989
35	927	933	904
40	855	854	798
45	776	758	687
50	690	646	566
55	599	527	448
60	506	404	371
65	418	293	294
70	325	215	217
75	231	143	145
80	137	83	81
85	55	36	33

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	92	16.0	29.6
0-40	1489	26.1	48.4
0-60	2536	44.5	82.4
0-90	3078	54.0	100.0

Average Luminance

Angle	End	45°	Cross
45	3512	3431	3109
55	3342	2941	2500
65	3165	2219	2226
75	2856	1768	1793
85	2020	1322	1212

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	64	64	64	63	63	63	59	59
1	58	56	54	57	55	53	53	51
2	54	50	46	53	48	45	46	44
3	48	44	40	47	42	39	40	38
4	45	39	34	44	38	34	36	33
5	41	34	29	40	34	29	33	28
6	39	32	27	38	30	27	29	26
7	35	28	23	34	28	23	27	23
8	33	26	22	32	26	20	25	20
9	30	23	20	29	23	20	23	19
10	28	22	17	28	22	17	20	17

Arioso recessed perf (SPMW) 1x4 2 lamp T8

Efficiency – 52.6% **LER – 45** **TER – 40**

Catalog No.	1AVG232-SPMW-1/2-EB
Test No.	26733
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 – **$5.33** 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	1100	1100	1100
5	1100	1100	1087
10	1088	1092	1080
15	1066	1073	1067
20	1034	1047	1046
25	995	1017	1016
30	947	973	969
35	893	922	897
40	830	856	789
45	764	768	664
50	689	659	528
55	613	527	399
60	531	396	307
65	442	262	243
70	352	192	182
75	255	130	124
80	157	76	72
85	64	32	29

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	873	15.3	29.0
0-40	1440	25.3	47.9
0-60	2477	43.5	82.4
0-90	3006	52.7	100.0

Average Luminance

Angle	End	45°	Cross
45	2907	2923	2527
55	2876	2472	1872
65	2814	1668	1547
75	2651	1352	1289
85	1976	988	895

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	58	58
1	57	55	53	56	54	52	52	50
2	53	47	45	51	46	44	46	42
3	47	42	39	46	41	38	40	36
4	44	38	33	42	36	33	35	32
5	40	34	28	40	33	28	32	28
6	38	30	26	36	29	26	28	25
7	34	28	23	34	27	23	27	23
8	32	25	20	32	25	20	23	20
9	29	23	19	29	23	19	22	19
10	28	22	17	28	20	17	20	17

©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