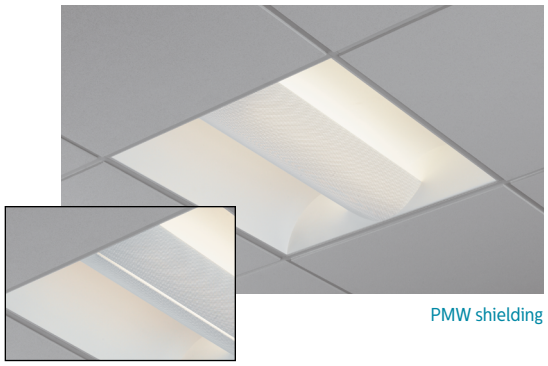
Day-Brite CFI by signify

Recessed

Arioso perf 2x2

T5, T5HO, TT5, 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: 2AVG217-PMW-UNV-1/2-EBHE-LPT835HL

Width	Family	Ceiling Type	No. of Lamps (not included)	Lamp Type	Shielding	Voltage	Options
2	AV	G		–	–	–	
2 2'	**AV** Arioso recessed perf	**G** Grid	**1** (CF only) **2** **3** (except CF55)	**14** 14WT5 (22") **17** 17WT8 (24") **24HO** 24WT5HO (22") **CF40** 40WT5 (24") **CF50** 50WT5 (24") **CF55** 55WT5 (24")	**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 **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 **CHIC** Chicago plenum rated

Accessories (order separately)

- **AVHD** Hold down clips
- **AV-DC2** Debris cover 2'x2'
- **AV-GC2** Germ cover 2'x2'
- **FMA22** 2'x2' "F" mounting frame for NEMA "F" mounting

2AVG Arioso recessed perf 2x2

T5, T5HO, TT5 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).

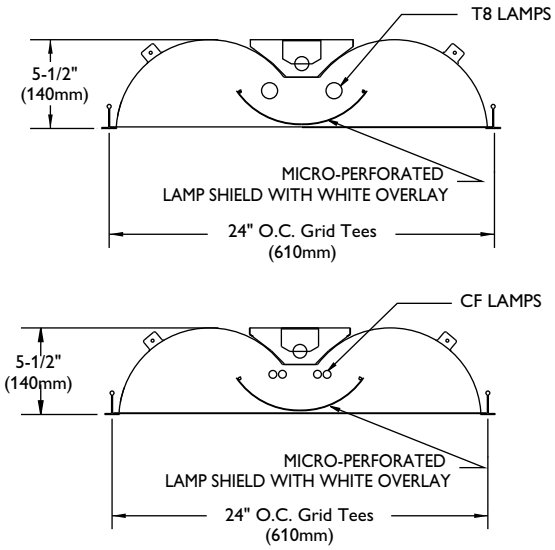
Electrical

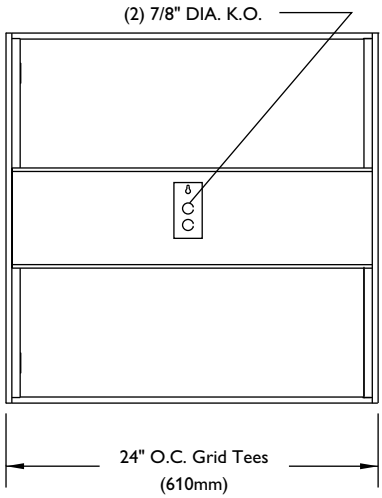
- cULus listed for damp locations.
- Self-contained fluorescent emergency power pack can be incorporated.

Enclosure

- 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





Photometry

Arioso recessed perf (PMW) 2x2 2 lamp CF40 — **Efficiency – 64.8%** **LER – 52** **TER – 45**

Catalog No.	2AVG2CF40-PMW-1/2-EB
Test No.	20055
S/MH	1.3
Lamp Type	40WTT5
Lumens/Lamp	3150
Ballast Factor	.88
Input Watts	69

Comparative yearly lighting energy cost per 1000 lumens – **$4.61** 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	1434	1434	1434
5	1426	1426	1428
10	1407	1407	1411
15	1374	1378	1384
20	1326	1339	1351
25	1263	1284	1298
30	1187	1219	1242
35	1100	1143	1174
40	999	1059	1101
45	887	971	1019
50	770	874	931
55	644	771	830
60	525	662	712
65	412	541	570
70	307	410	390
75	214	255	250
80	118	133	150
85	45	50	54

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1116	17.7	27.4
0-40	1830	29.0	44.8
0-60	3247	51.5	79.6
0-90	4081	64.8	100.0

Average Luminance

Angle	End	45°	Cross
45	3675	4024	4222
55	3290	3939	4240
65	2856	3751	3952
75	2423	2887	2830
85	1513	1681	1815

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	77	77	77	75	75	75	71	71
1	70	67	65	68	66	64	63	60
2	64	58	54	61	57	54	55	52
3	57	52	46	56	51	46	48	44
4	53	46	40	52	45	40	42	39
5	48	40	34	47	40	34	39	34
6	45	36	30	44	35	30	34	29
7	41	33	28	40	33	27	32	27
8	39	29	25	38	29	25	28	23
9	36	28	22	35	27	22	27	22
10	34	26	20	33	25	20	25	20

2AVG Arioso recessed perf 2x2

T5, T5HO, TT5 or T8

Photometry

Arioso recessed perf (PMW) 2x2 2 lamp T8

Efficiency – 55.4% **LER – 40** **TER – 35**

Catalog No.	2AVG217-PMW-1/2-EB
Test No.	20043
S/MH	1.3
Lamp Type	F17T8
Lumens/Lamp	1350
Ballast Factor	.88
Input Watts	33

Comparative yearly lighting energy cost per 1000 lumens – **$6.15** 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	528	528	528
5	524	525	525
10	516	518	520
15	504	506	509
20	486	492	496
25	463	471	479
30	436	448	458
35	404	418	433
40	367	388	407
45	327	357	379
50	284	320	347
55	238	281	310
60	193	240	268
65	150	196	215
70	112	148	148
75	77	94	90
80	43	45	54
85	17	19	20

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	410	15.2	27.4
0-40	672	24.9	44.9
0-60	1192	44.2	79.7
0-90	1496	55.4	100.0

Average Luminance

Angle	End	45°	Cross
45	1355	1479	1570
55	1216	1435	1584
65	1040	1359	1491
75	872	1064	1019
85	572	639	672

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	66	66	66	64	64	64	61	61
1	59	57	55	58	56	54	54	52
2	55	50	46	53	48	46	46	44
3	50	44	40	48	42	39	41	38
4	46	39	34	44	38	34	36	33
5	41	34	29	40	34	29	33	28
6	39	30	26	38	30	26	29	26
7	35	28	23	34	28	23	27	23
8	33	26	20	33	26	20	25	20
9	30	23	19	29	23	19	23	19
10	28	22	17	28	22	17	20	17

Arioso recessed perf (SPMW) 2x2 2 lamp CF40

Efficiency – 60.5% **LER – 50** **TER – 43**

Catalog No.	2AVG2CF40-SPMW-1/2-EB
Test No.	26740
S/MH	1.4
Lamp Type	40WTT5
Lumens/Lamp	3150
Ballast Factor	0.88
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	1246	1246	1246
5	1248	1251	1264
10	1231	1270	1272
15	1202	1244	1223
20	1162	1189	1189
25	1110	1133	1165
30	1050	1085	1148
35	982	1039	1123
40	902	993	1050
45	814	930	964
50	724	838	870
55	625	737	782
60	530	629	675
65	437	522	535
70	341	396	354
75	246	244	217
80	140	126	126
85	59	48	49

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	998	15.8	26.2
0-40	1654	26.3	43.4
0-60	2995	47.5	78.5
0-90	3813	60.5	100.0

Average Luminance

Angle	End	45°	Cross
45	3098	3539	3669
55	2932	3458	3669
65	2783	3324	3407
75	2558	2537	2256
85	1822	1482	1513

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	59	64	60	58	58	56
2	59	55	50	57	54	50	51	47
3	54	47	42	53	46	41	45	40
4	50	41	36	47	40	35	40	35
5	46	38	32	44	36	32	35	30
6	41	34	28	40	33	28	32	28
7	39	30	25	38	29	25	28	25
8	35	28	23	34	27	23	27	22
9	34	26	20	33	25	20	25	20
10	32	23	19	30	23	19	23	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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