

Day-Brite

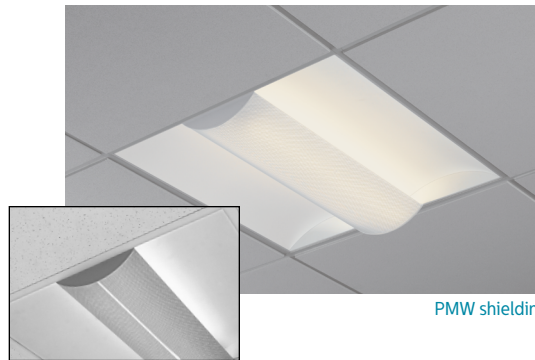
CFI

by Signify

Recessed

Ariosio semi-recessed perf 2x2

T5, T5HO, or TT5



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

The Day-Brite / CFI Ariosio semi-recessed perf is an ideal choice for spaces with low plenum clearance. Keeping the look and feel of a fully recessed luminaire, this model maintains quality illumination while minimizing clutter and protrusions from the ceiling plane.

Ordering guide

Example: 2AVLG214-PMW-UNV-1/2-EB-LPT835

Width	Family	Ceiling Type	No. of Lamps (not included)	Lamp Type	Shielding	Voltage	Options
2	AVL	G		—	—	—	
2 2'	AVL Ariosio semi-recessed perf	G Grid	1 (CF only) 2 3 (except CF)	14 14WT5 (22") 24HO 24WT5HO (22") CF40 40WTT5 (24") CF50 50WTT5 (24") CF55 55WTT5 (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 EB101 CF40 electronic ballast, instant start, <10% THD 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 E5 B50 emerg. ballast, U.S. or Canada market, CF, 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/SW 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 CHIC Chicago plenum rated

Accessories (order separately)

- AVHD Hold down clips
- FMA22 2'x2' "F" mounting frame for NEMA "F" mounting



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Application

- Architectural semi-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).
- For applications where plenum depth is limited.
- Suitable for row mounting.
- Style matched to Arioso surface.

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).

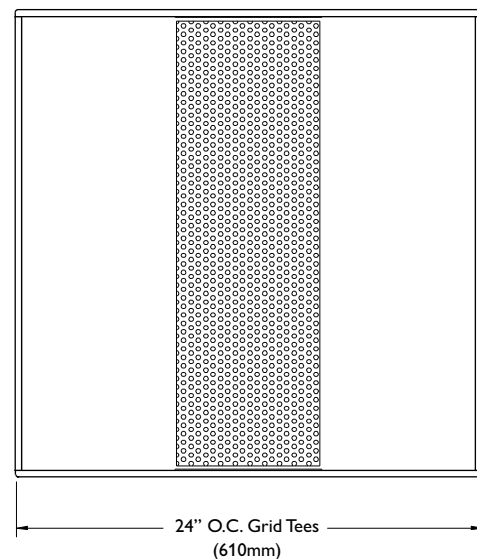
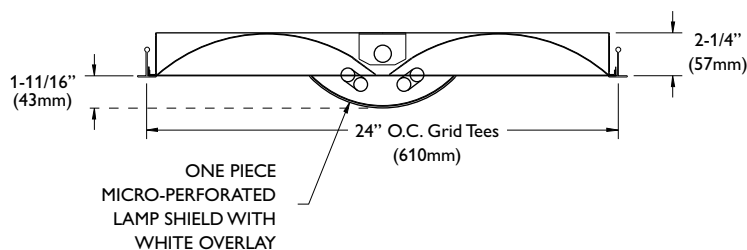
Electrical

- 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.
- Swing down lamp shield for easy relamping.
- Soft white overlay on inside of micro-perforated mesh conceals lamp image and balances reflected and direct light.

Dimensions



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Photometry

Arioso semi-recessed perf (PMW) 2x2 2 lamp CF40

Efficiency – 60.9%

LER – 50

TER – 41

		Candlepower				Light Distribution				Average Luminance			
Catalog No.	2AVLG2CF40-PMW-1/2-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	21272A	0	1187	1187	1187	0-30	927	14.7	24.2	45	2763	3114	3517
S/MH	1.3	5	1174	1186	1190	0-40	1525	24.2	39.8	55	2385	3058	3700
Lamp Type	40WTT5	15	1124	1148	1160	0-60	2753	43.7	71.8	65	1864	3087	4108
Lumens/Lamp	3150	25	1027	1069	1098	0-90	3825	60.7	99.7	75	1342	3386	4809
Ballast Factor	.88	35	888	962	1013	0-180	3835	60.9	100.0	85	691	2967	4885
Input Watts	68	45	714	825	909								
		55	513	681	796								
		65	308	536	679								
		75	148	404	531								
		85	36	182	255								
		95	0	1	13								
		105	0	0	1								
		115	0	0	1								
		125	0	1	1								
		135	0	0	0								
		145	0	0	0								
		155	0	1	1								
		165	0	0	0								
		175	0	0	0								

Coefficients of Utilization												
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)												
pcc	80			70			50					
RCR	70	50	30	70	50	30	50	30				
0	71	71	71	70	70	70	68	68				
1	65	61	58	63	59	57	57	55				
2	58	53	48	56	52	47	50	46				
3	53	46	40	52	45	40	42	39				
4	48	40	34	46	40	34	38	34				
5	45	35	30	42	35	29	34	28				
6	40	33	27	40	32	27	30	26				
7	38	29	23	36	28	23	28	23				
8	34	27	22	34	26	20	26	20				
9	33	25	19	32	23	19	23	19				
10	30	23	17	29	22	17	22	17				

Comparative yearly lighting energy cost per 1000 lumens – **\$4.30** 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.



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

