

Day-Brite

CFI

by Signify

Recessed

Ariosio semi-recessed perf 2x4

T5 or T5HO



SPMW shielding

PMW shielding

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: 2AVLG228-PMW-UNV-1/2-EB-LPT835HL

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	2 3	28 28WT5 (46") 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	1/2 One 2-lamp ballast 1/3 One 3-lamp ballast 1/21 2-lamp & 1-lamp ballasts EB Electronic ballast, <10% THD, std. 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 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 T5/T5HO lamps, 80+ CRI, 3000K LPT835 Installed T5/T5HO lamps, 80+ CRI, 3500K LPT841 Installed T5/T5HO lamps, 80+ CRI, 4100K LPT830HL Installed T5 high lumen lamps, 80+ CRI, 3000K LPT835HL Installed T5 high lumen lamps, 80+ CRI, 3500K LPT841HL Installed T5 high lumen lamps, 80+ CRI, 4100K CHIC Chicago plenum rated

Accessories (order separately)

- AVHD Hold down clips
- FMA24 2'x4' "F" mounting frame for NEMA "F" mounting



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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).
- 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).

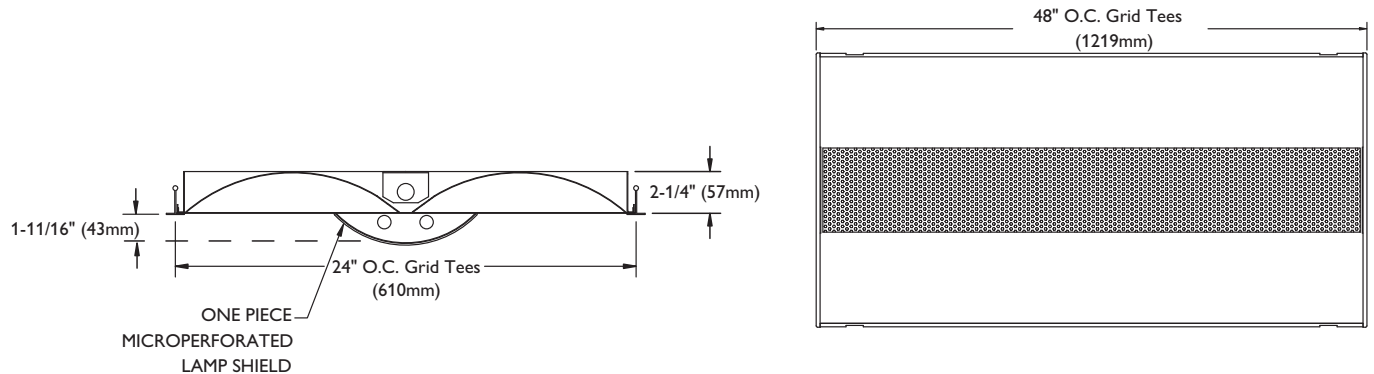
Electrical

- 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



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

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Photometry

Arioso semi-recessed perf (PMW) 2x4 2 lamp T5HO

Efficiency – 61.6%

LER – 52

TER – 42

Catalog No.		Candlepower				Light Distribution				Average Luminance			
Test No.		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
S/MH		0	1583	1583	1583	0-30	1245	14.1	22.9	45	2002	2299	2516
Lamp Type		5	1583	1580	1565	0-40	2059	23.4	38.0	55	1803	2404	2805
Lumens/Lamp		10	1561	1563	1551	0-60	3787	43.0	69.8	65	1497	2686	3350
Ballast Factor		15	1521	1532	1529	0-90	5424	61.6	100.0	75	1195	3432	4490
Input Watts		20	1469	1491	1499					85	879	4688	5730
		25	1402	1439	1462								
		30	1319	1378	1416								
		35	1226	1306	1366								
		40	1121	1228	1310								
		45	998	1146	1254								
		50	867	1058	1196								
		55	729	972	1134								
		60	583	885	1069								
		65	446	800	998								
		70	325	715	921								
		75	218	626	819								
		80	126	514	635								
		85	54	288	352								

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	72	72	72	71	71	71	68	68				
1	66	61	58	64	60	57	57	56				
2	58	53	47	56	52	47	50	46				
3	53	46	40	52	45	40	42	39				
4	48	40	34	46	40	34	38	33				
5	45	35	29	42	34	29	34	28				
6	40	32	27	40	32	26	30	26				
7	38	28	23	36	28	23	28	23				
8	34	27	20	34	26	20	25	20				
9	33	23	19	32	23	19	23	19				
10	30	23	17	29	22	17	22	17				

Comparative yearly lighting energy cost per 1000 lumens – **\$4.62** 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.

