

Day-Brite

CFI

by Signify

Recessed

Ariosio shallow perf 2x2

T5, T5HO, or TT5



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

The Day-Brite / CFI Ariosio recessed shallow perf is ideal for shallow ceiling applications and 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, these luminaires provide a soft unassuming glow with comfortable illumination to optimize work and recreational activities.

Ordering guide

Example: 2AVEG214-PMW-UNV-1/2-EB-LPT835

Width	Family	Ceiling Type	No. of Lamps (not included)	Lamp Type	Shielding	Voltage	Options
2	AVE	G	2	—	—	—	
2 2'	AVE Ariosio recessed shallow perf	G Grid	2	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 ACR White opal acrylic diffuser	120 277 347 UNV Universal Voltage 120-277V	1/2 EB One 2-lamp ballast EB101 Electronic ballast, <10% THD, std. ballast factor EBD7 CF40 electronic ballast, instant start, <10% THD EBDX Advance Mark 7 dimming ballast, 0-10V (low voltage) control EBD Advance Mark 10 dimming ballast, phase control E5 Electronic dimming ballast, customer specified E7LP B50 emerg. ballast, U.S. or Canada market, CF, 1100-1400 lumens, UNV E6LP LP550 emerg. ballast T5/T5HO, 430-700 lumens, 120/277V F1 LP600 emerg. ballast U.S. or Canada market, T5/T5HO, 750-1325 lumens, 120/277V F2 3/8" flex 3 wire, 18 gauge 6' F2/5W 3/8" flex 4 wire, 18 gauge 6' GLR 3/8" flex, 5 wire 18 gauge 6' LPT830 Fusing, fast blow LPT835 Installed T5/T5HO/CF lamps, 80+ CRI, 3000K LPT841 Installed T5/T5HO/CF lamps, 80+ CRI, 3500K CHIC Installed T5/T5HO/CF lamps, 80+ CRI, 4100K Chicago plenum rated

Accessories (order separately)

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



2AVEG Arioso recessed shallow perf 2x2

T5, T5HO, or TT5

Application

- Architectural recessed direct/indirect lighting for glare free illumination.
- Low profile reflector and lamp cover provide a sleek, modern appearance.
- Shallow housing requires only 3-5/8" of plenum space, great for shallow plenum applications.
- Models with emergency ballast or multiple ballasts require 5-1/4" of plenum space.
- Housing edge design locates the bottom of the luminaire flush with the ceiling plane in standard grid (NEMA G) or screw slot (NEMA SS) applications.
- NOT suitable for flush mounting in narrow face grid (NEMA NFG) applications.
- 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.
- Reflector features soft, high reflectance matte white finish that is applied after fabrication.
- Easy ballast access through lamp compartment.
- Optional hold down clips available (order separately: cat # AVHD).

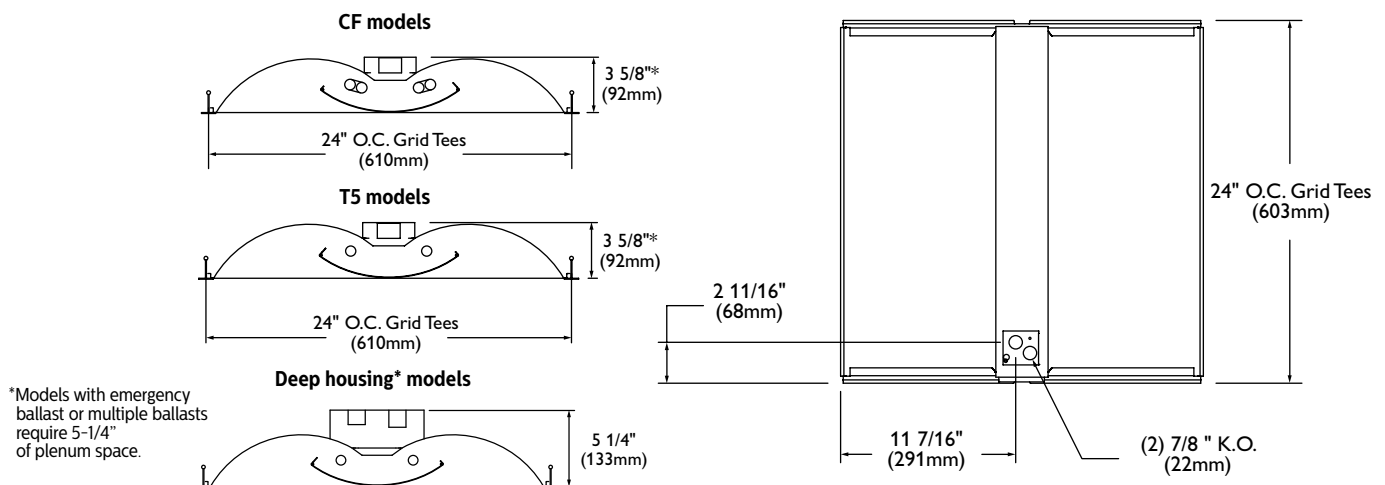
Electrical

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

Enclosure

- Choice of one-piece (PMW) or two-piece (SPMW) perforated lamp shields, or a white opal acrylic diffuser (ACR).
- Micro-perforated mesh lamp shields (PMW or SPMW models) or white opal diffuser provide soft awareness of light source.
- Soft white overlay on inside of micro-perforated mesh (PMW or SPMW models) or white opal diffuser conceals lamp image and balances between reflected and direct light.
- Swing down lamp shield for easy relamping.

Dimensions



2AVEG Arioso recessed shallow perf 2x2

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Photometry

Arioso recessed shallow perf (PMW) 2x2 2 lamp CF40

Efficiency – 59.1%

LER – 47

TER – 40

Catalog No.	2AVEG2CF40-PMW-1/2-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	27591	0	1280	1280	1280	0-30	996	15.8	26.8	45	3014	3303	3573
S/MH	1.3	5	1278	1272	1268	0-40	1635	25.9	43.9	55	2702	3261	3730
Lamp Type	40WTT5	10	1257	1255	1256	0-60	2920	46.3	78.5	65	2254	3254	3884
Lumens/Lamp	3150	15	1223	1228	1236	0-90	3721	59.1	100.0	75	1840	2974	2495
Ballast Factor	.88	20	1178	1191	1204					85	1297	1204	1297
Input Watts	70	25	1124	1144	1166	Coefficients of Utilization							
Comparative yearly lighting energy cost per 1000 lumens – \$5.11 based on 3000 hrs. and \$.08 pwr KWH.		30	1057	1086	1121								
		35	977	1022	1065	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)							
The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.		40	891	947	1006								
		45	792	868	939	pcc	80	70	50	30	50	30	
		50	689	784	869	pw	70	50	30	70	50	30	
		55	576	695	795	RCR							
		60	459	605	715	0	69	69	69	68	68	68	66
		65	354	511	610	1	64	60	58	63	59	57	57
		70	259	411	463	2	57	53	48	56	52	48	50
		75	177	286	240	3	53	46	41	52	46	40	44
		80	102	112	114	4	48	40	35	46	40	35	39
		85	42	39	42	5	45	36	32	42	35	30	34
						6	40	33	28	40	33	28	32
						7	38	29	25	36	29	25	28
						8	34	27	22	34	27	22	26
						9	33	25	20	32	25	20	23
						10	30	23	17	29	23	17	22

Arioso recessed shallow perf (PMW) 2x2 2 lamp T5HO

Efficiency – 66.7%

LER – 45

TER – 39

Catalog No.	2AVEG224HO-PMW-1/2-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	27586	0	800	800	800	0-30	624	17.7	26.6	45	1907	2089	2272
S/MH	1.3	5	801	794	798	0-40	1026	29.1	43.7	55	1717	2074	2379
Lamp Type	F24T5HO	10	789	784	789	0-60	1840	52.3	78.4	65	1420	2076	2477
Lumens/Lamp	1760	15	768	768	776	0-90	2347	66.7	100.0	75	1133	1830	1653
Ballast Factor	1.00	20	741	744	758					85	710	772	803
Input Watts	52	25	708	716	735	Coefficients of Utilization							
Comparative yearly lighting energy cost per 1000 lumens – \$5.33 based on 3000 hrs. and \$.08 pwr KWH.		30	666	682	707								
The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.		35	616	641	674	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)							
		40	561	597	638								
		45	501	549	597	pcc	80	70	50	30	50	30	
		50	435	497	553	pw	70	50	30	70	50	30	
		55	366	442	507	RCR							
		60	293	384	456	0	79	79	79	78	78	78	73
		65	223	326	389	1	72	68	67	70	68	65	65
		70	165	262	294	2	66	59	56	64	58	55	56
		75	109	176	199	3	59	53	46	57	52	46	50
		80	63	70	73	4	55	46	40	53	46	40	44
		85	23	25	26	5	50	41	35	48	40	34	39
						6	46	36	30	45	36	30	35
						7	42	34	28	41	33	28	32
						8	40	30	25	39	29	25	28
						9	36	28	23	35	28	23	27
						10	34	26	20	34	26	20	25



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

