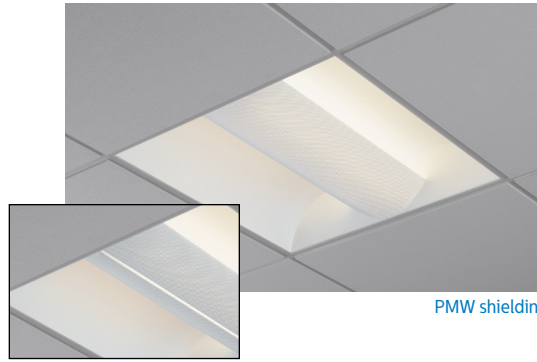


PHILIPS
Day-Brite
CFI

Recessed

Arioso perf 2x2

T5, T5HO, TT5, or T8



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

The Philips Day-Brite / Philips 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 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 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 ESST 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).

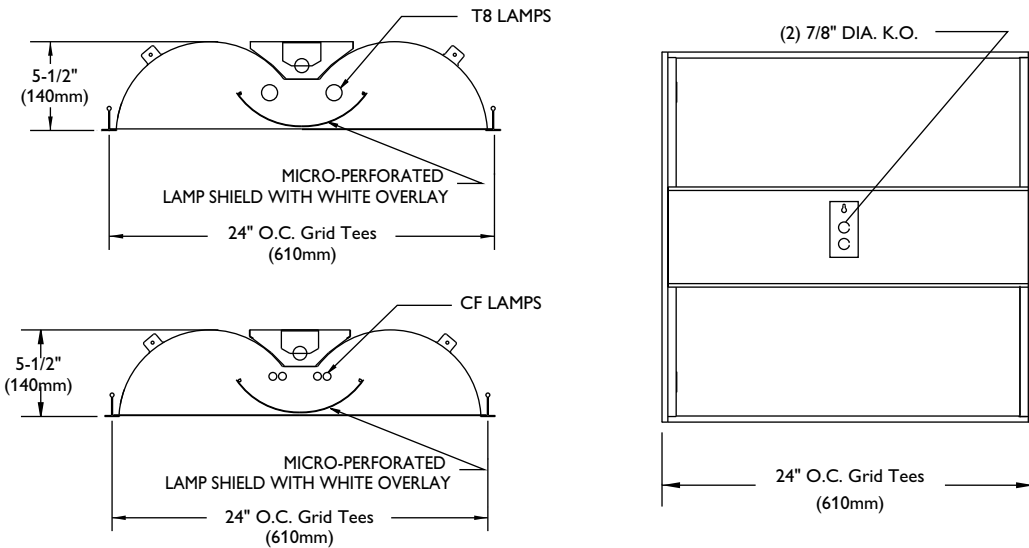
Electrical

- 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

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 Philips 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

Efficiency – 64.8%

LER – 52

TER – 45

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	70	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	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	20043	0	528	528	528	0-30	410	15.2	27.4	45	1355	1479	1570
S/MH	1.3	5	524	525	525	0-40	672	24.9	44.9	55	1216	1435	1584
Lamp Type	F17T8	10	516	518	520	0-60	1192	44.2	79.7	65	1040	1359	1491
Lumens/Lamp	1350	15	504	506	509	0-90	1496	55.4	100.0	75	872	1064	1019
Ballast Factor	.88	20	486	492	496					85	572	639	672
Input Watts	33	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								

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 Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Arioso recessed perf (SPMW) 2x2 2 lamp CF40

Efficiency – 60.5%

LER – 50

TER – 43

Catalog No.	2AVG2CF40-SPMW-1/2-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	26740	0	1246	1246	1246	0-30	998	15.8	26.2	45	3098	3539	3669
S/MH	1.4	5	1248	1251	1264	0-40	1654	26.3	43.4	55	2932	3458	3669
Lamp Type	40WTT5	10	1231	1270	1272	0-60	2995	47.5	78.5	65	2783	3324	3407
Lumens/Lamp	3150	15	1202	1244	1223	0-90	3813	60.5	100.0	75	2558	2537	2256
Ballast Factor	0.88	20	1162	1189	1189					85	1822	1482	1513
Input Watts	67	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								

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 Philips 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

© 2015 Koninklijke Philips N.V. All rights reserved.
Philips reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.
philips.com/luminaires



Philips Lighting, North America Corporation
200 Franklin Square Drive, Somerset, NJ 08873
Tel. 855-486-2216

Philips Lighting Canada Ltd.
A division of Philips Electronics Ltd.
281 Hillmount Rd, Markham, ON, Canada L6C 2S3
Tel. 800-668-9008