

PHILIPS Day-Brite CFI

Healthcare

Multi-Med patient
room luminaire 2x2

ME340ARN & ME340ARNLG
Ambient/reading functions



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

The Philips Day-Brite / CFI Multi-Med patient room ambient/reading luminaire combines the ambient and reading functions for a patient room into a single 2x2 recessed luminaire. This eliminates the need for wall mounted equipment while minimizing the ceiling space required. Designed with sensitivity for a patient's comfort, the luminaire utilizes white internal reflectors for shadow-free indirect illumination and shielding to limit direct view of the lamps. It is an excellent choice for patient rooms in hospitals or nursing homes.

Ordering guide

example: **ME340ARN277-LVC**

Family	Voltage	Options
	—	
ME340ARN (3) 40WTT5 Fluorescent (2G11 base) ME340ARNLG Full-door model (3) 40WTT5 Fluorescent (2G11 base)	120 277 347	GMF Slow blow fuse LVC Low voltage controller for use with remotely located bed control RFI¹ (2) Radio frequency interference suppressors and RFI grid on lens

Footnotes

¹ Available for ME340ARNLG model only.

Accessories (order separately)

- **FMA22** – 2'x2' "F" mounting frame for NEMA "F" mounting

ME340ARN & ME340ARNLG Multi-Med patient room luminaire 2x2

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Features

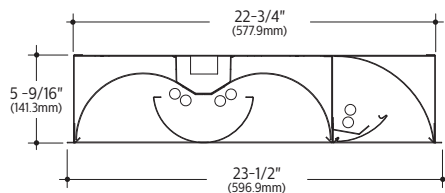
- Multi-Med ME340ARN luminaire provides the ambient and reading lighting functions for a patient's room without glare or shadows.
- Tool-less access for lamp replacement.
- Antimicrobial finish to inhibit the growth of microbes.

Specifications

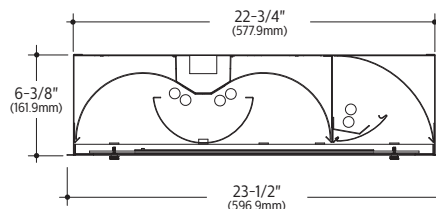
- **Construction:** 20 gauge cold rolled steel housing with .040" aluminum internal components.
- **Door Frame:** The ME340ARNLG model has a clear lensed door. The door has a one-piece, formed aluminum construction with full length, stainless steel hinge and thumb screws for tool-less service access.
- **Reflector and Lenses:** The ambient compartment has a formed aluminum reflector with perforated baskets with translucent lens to shield the lamps. A formed, asymmetric reflector and solid lamp shield are used in the reading compartment.
- **Finish:** The housing, reflectors, lamp shields and door frame are painted after fabrication with a white polyester powder coat paint finish. An antimicrobial paint additive inhibits the growth of microbes.

- **Lamps:** The luminaire utilizes (3) 40W twin-tube fluorescent lamps with 2G11 base. The lamps are supplied with a 3500K color temperature unless specified. Relamping can be done without tools.
- **Switching:** Multi-Med is wired for independent switching of the lamp compartments. An optional Low Voltage Controller (LVC) can be specified and installed in the luminaire. The LVC is compatible with industry standard bed control systems (by others).
- **Electrical:** Electronic ballasts are provided for the specified voltage (120, 277 or 347 volts).
- **Installation:** Multi-Med can be installed into a grid or drywall ceilings. Drywall applications require the FMA22 (flange kit) option. (6) 7/8" knockouts are provided on the top of the housing. Refer to the Dimensional Data for further details.
- **Listing:** ETL listed for US and Canada in damp locations.
- **Warranty:** 5 year limited warranty.

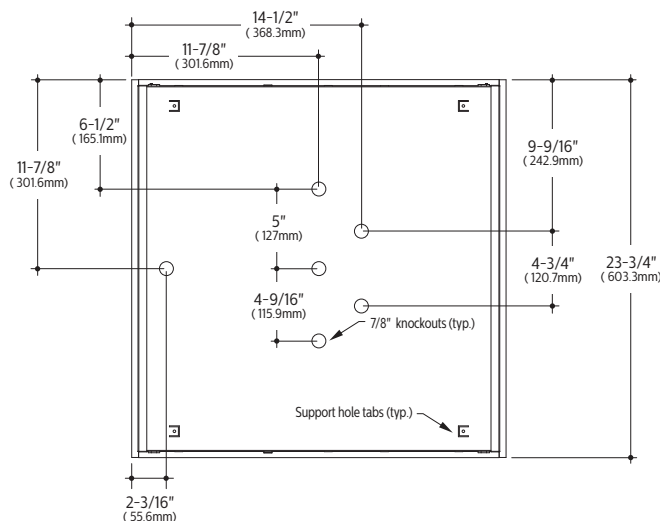
Dimensions



Cross Section (ME340ARN)



Cross Section (ME340ARNLG)



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

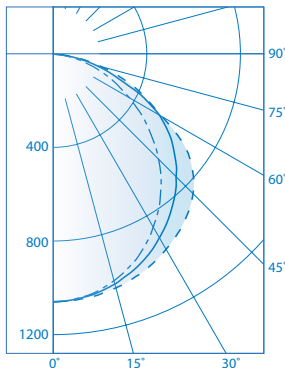
ME340ARN & ME340ARNLG Multi-Med patient room luminaire 2x2

Ambient/reading functions

Photometrics

ME340ARN, Ambient

(2) 40W Twin Tube Fluorescent -
3300 lumens per lamp
Report No.: ITL68844
Efficiency: 46.9%



LEGEND:
0-deg: ---
90-deg: ---
180-deg: ---

CO-EFFICIENTS OF UTILIZATION | Effective floor cavity reflectance=20%

rc rw	80					70					50					30					10					0				
	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50	30	10			50	30	10		
RCR	0	56	56	56	56	55	55	55	55		52	52	52			50	50	50			48	48	48			47	47	47		
	1	51	49	47	45	50	48	46	44		46	44	43			44	43	42			42	41	40			39	39	39		
	2	46	43	39	37	45	42	39	36		40	37	35			38	36	35			37	35	34			33	33	33		
	3	42	37	33	30	41	37	33	30		35	32	30			34	31	29			33	30	29			27	27	27		
	4	39	33	29	26	38	32	28	25		31	28	25			30	27	25			29	26	24			23	23	23		
	5	35	29	25	22	34	29	25	22		28	24	22			27	24	21			26	23	21			20	20	20		
	6	33	26	22	19	32	26	22	19		25	22	19			24	21	19			24	21	19			18	18	18		
	7	30	24	20	17	29	24	20	17		23	19	17			22	19	17			21	19	16			15	15	15		
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	10	25	18	15	12	24	18	15	12		18	14	12			17	14	12			17	14	12			11	11	11		

CANDLEPOWER DISTRIBUTION

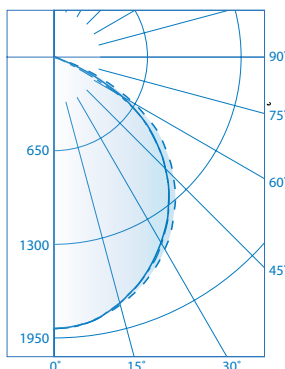
Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	1057	1057	1057	1057	1057
5°	1054	1053	1051	1051	1049
15°	1033	1026	1016	1005	1001
25°	991	978	950	924	912
35°	930	905	857	810	789
45°	843	811	741	671	635
55°	685	666	608	517	467
65°	430	417	413	351	295
75°	221	219	196	178	143
85°	46	44	41	36	30
90°	0	0	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-5	825	12.5	26.6
5-15	1362	20.6	44.0
15-25	2459	37.3	79.4
25-35	3096	46.9	100.0
35-45	0	0.0	0.0
45-55	3096	46.9	100.0

ME340ARN, Reading

(1) 40W Twin Tube Fluorescent -
3300 lumens per lamp
Report No.: ITL68845
Efficiency: 31.5%



LEGEND:
0-deg: ---
90-deg: ---
180-deg: ---

CO-EFFICIENTS OF UTILIZATION | Effective floor cavity reflectance=20%

rc rw	80					70					50					30					10					0				
	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50	30	10			50	30	10		
RCR	0	38	38	38	38	37	37	37	37		35	35	35			34	34	34			32	32	32			32	32	32		
	1	35	33	32	31	34	33	31	30		31	30	30			30	29	29			29	28	28			27	27	27		
	2	32	29	27	26	31	29	27	25		28	26	25			27	25	24			26	25	24			23	23	23		
	3	29	26	24	22	28	25	23	21		25	23	21			24	22	21			23	22	20			20	20	20		
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	9	18	14	12	10	18	14	12	10		14	12	10			13	11	10			13	11	10			9	9	9		
	10	17	13	11	9	17	13	11	9		13	11	9			12	11	9			12	10	9			9	9	9		

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	417	417	417	417	417
5°	400	406	416	424	428
15°	371	379	401	420	426
25°	339	344	372	395	387
35°	297	303	334	341	316
45°	240	253	283	264	200
55°	178	190	222	159	88
65°	110	124	151	54	10
75°	46	56	74	7	4
85°	6	10	12	1	1
90°	0	0	0	0	0

ZONAL LUMEN SUMMARY

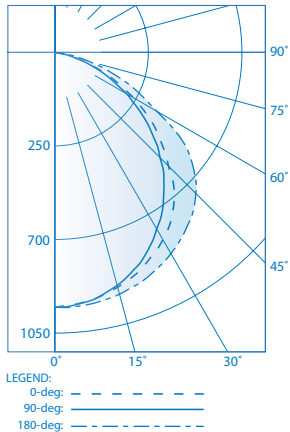
Zone	Lumens	% Lamp	% Fixt.
0-30	323	9.8	31.0
0-40	525	15.9	50.5
0-60	885	26.8	85.0
0-90	1041	31.5	100.0
90-120	0	0.0	0.0
0-180	1041	31.5	100.0

ME340ARN & ME340ARNLG Multi-Med patient room luminaire 2x2

Ambient/reading functions

ME340ARNLG, Ambient

(2) 40W Twin Tube Fluorescent -
3300 lumens per lamp
Report No.: ITL68846
Efficiency: 38.0%



Effective floor cavity reflectance=20%

	45	45	45	45	44	44	44	44	42	42	42	40	40	40	39	39	39	38
	42	40	38	37	41	39	38	37	38	36	35	36	35	34	35	34	33	33
	38	35	33	31	37	34	32	30	33	31	30	32	30	29	31	29	28	27
	35	31	28	26	34	30	28	25	29	27	25	28	26	25	27	26	24	23
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	29	25	21	19	29	24	21	19	23	21	19	23	20	18	22	20	18	17
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	25	20	17	15	25	20	17	15	19	16	14	19	16	14	18	16	14	14
	23	18	15	13	23	18	15	13	18	15	13	17	15	13	17	14	13	12
	22	17	14	12	21	17	14	12	16	14	12	16	13	12	15	13	12	11
	21	16	13	11	20	15	13	11	15	12	11	15	12	11	14	12	10	10

CANDLEPOWER DISTRIBUTION

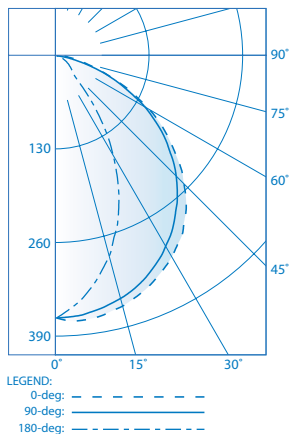
Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	952	952	952	952	952
5°	943	942	945	949	952
15°	908	902	901	920	935
25°	846	828	819	860	895
35°	760	727	705	773	835
45°	602	598	557	656	746
55°	436	421	394	514	589
65°	250	245	228	316	337
75°	89	90	87	121	140
85°	4	9	11	18	20
90°	0	0	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	737	11.2	29.4
0-40	1207	18.3	48.1
0-60	2100	31.8	83.8
0-90	2506	38.0	100.0
90-120	0	0.0	0.0
0-180	2506	38.0	100.0

ME340ARNLG, Reading

(1) 40W Twin Tube Fluorescent -
3300 lumens per lamp
Report No.: ITL68847
Efficiency: 23.8%



CO-EFFICIENTS OF UTILIZATION Effective floor cavity reflectance=20%

rc rw	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	0	28	28	28	28	28	28	28	26	26	26	25	25	25	24	24	24	24
	1	26	25	24	23	26	25	24	24	23	22	23	22	22	22	21	21	21
	2	24	22	21	20	23	22	20	21	20	19	20	19	18	19	19	18	18
	3	22	20	18	17	21	19	18	19	17	16	18	17	16	17	16	16	15
	4	20	18	16	14	20	17	16	14	15	14	16	15	14	16	15	14	13
	5	19	16	14	12	18	16	14	12	15	14	15	13	12	14	13	12	12
	6	17	14	12	11	17	14	12	11	14	12	13	12	11	13	12	11	10
	7	16	13	11	10	16	13	11	10	13	11	12	11	10	12	11	10	9
	8	15	12	10	9	15	12	10	9	12	10	11	10	9	11	10	9	8
	9	14	11	9	8	14	11	9	8	11	9	10	9	8	10	9	8	7
	10	13	10	8	7	13	10	8	7	10	8	10	8	7	10	8	7	7

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	364	364	364	364	364
5°	369	368	362	349	344
15°	359	359	348	307	286
25°	336	336	322	247	204
35°	304	301	284	174	106
45°	250	255	235	88	33
55°	185	194	175	27	21
65°	111	119	104	15	11
75°	45	47	39	5	3
85°	15	12	4	1	0
90°	0	0	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	264	8.0	33.7
0-40	415	12.6	53.0
0-60	669	20.3	85.3
0-90	784	23.8	100.0
90-120	0	0.0	0.0
0-180	784	23.8	100.0

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