

PHILIPS Day-Brite CFI

Healthcare

Multi-Med patient
room luminaire 2x2

ME240N & ME240NLG
Ambient function



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

The Philips Day-Brite / CFI Multi-Med patient room ambient luminaire combines a clean ceiling appearance with efficient performance. Designed with sensitivity for a patient's comfort, the luminaire utilizes a white internal reflector system for shadow-free indirect illumination and a perforated metal shield to limit direct view of the lamps. It is an excellent choice for patient rooms, waiting rooms, lab areas, corridors and other spaces needing a ceiling mounted solution to deliver high quality illumination.

Ordering guide

example: ME240N277-GMF

Family	Voltage	Options
	–	
ME240N (2) 40WTT5 Fluorescent (2G11 base) ME240NLG Full-door model (2) 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 NL1 Amber LED night light NL2 White LED night light

Footnotes

¹ Available for ME240NLG model only.

Accessories (order separately)

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

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Features

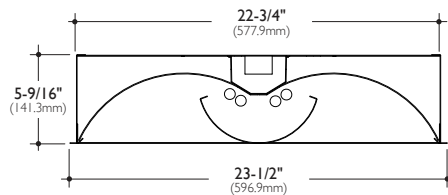
- Multi-Med ambient luminaire provides ambient, indirect illumination without glare or shadows.
- Tool-less access for lamp replacement.
- Antimicrobial finish to inhibit the growth of microbes.

Specifications

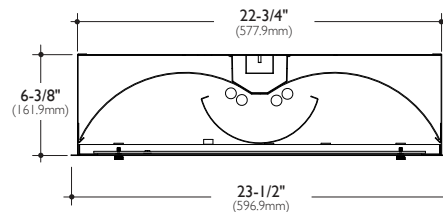
- **Construction:** 20 gauge cold rolled steel housing with .040" aluminum internal components.
- **Door Frame:** The ME240NLG model has a clear lensed door. The door has one-piece, formed aluminum construction with full length, stainless steel hinge and thumb screws for tool-less service access.
- **Reflector and Lenses:** Perforated shield with translucent lens provides shielding of the lamps. A formed aluminum reflector provides a uniform illuminated surface to view. The ME240NLG model has a full door with a clear, acrylic lens to protect the lamp compartment and simplify cleaning.
- **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 ME240N and ME240NLG luminaires are provided with (2) 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:** 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 grid or drywall ceilings. Drywall applications require the FMA22 (flange kit) option. (3) 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.

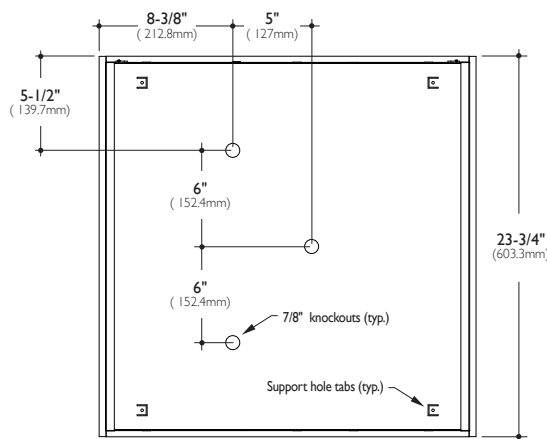
Dimensions



Cross Section (ME240N)



Cross Section (ME240NLG)



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

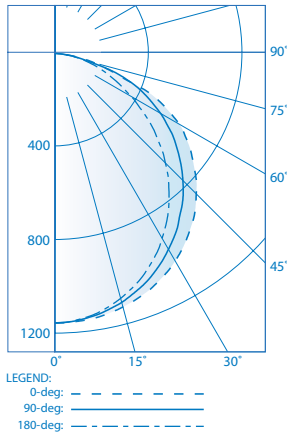
ME240N & ME240NLG Multi-Med patient room luminaire 2x2

Ambient function

Photometrics

ME240N, Ambient

(2) 40W Twin Tube Fluorescent -
3300 lumens per lamp
Report No.: ITL68849
Efficiency: 49.4%



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	59	59	59	59	57	57	57	57	55	55	55	53	53	53	50	50	50	49
	1	54	52	49	48	52	50	48	47	48	47	45	46	45	44	45	44	43	42
	2	49	45	42	39	48	44	41	38	42	40	37	41	38	37	39	37	36	35
	3	45	39	35	32	43	39	35	32	37	34	31	36	33	31	35	32	30	29
	4	41	35	31	27	40	34	30	27	33	29	27	32	29	26	31	28	26	25
	5	37	31	27	23	36	31	26	23	30	26	23	29	25	23	28	25	22	21
	6	35	28	24	20	34	28	23	20	27	23	20	26	22	20	25	22	20	19
	7	32	25	21	18	31	25	21	18	24	20	18	23	20	18	23	20	18	17
	8	30	23	19	16	29	23	19	16	22	18	16	22	18	16	21	18	16	15
	9	28	21	17	14	27	21	17	14	20	17	14	20	17	14	19	16	14	13
	10	26	20	16	13	25	19	16	13	19	15	13	18	15	13	18	15	13	12

CANDLEPOWER DISTRIBUTION

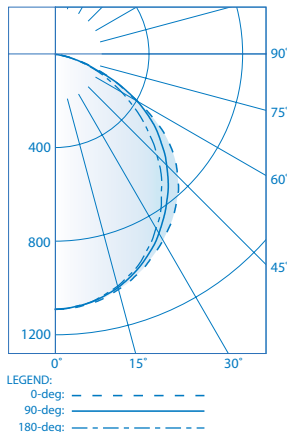
Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	1151	1151	1151	1151	1151
5°	1148	1146	1144	1143	1141
15°	1121	1114	1101	1090	1083
25°	1065	1051	1021	997	981
35°	976	955	911	867	841
45°	853	830	773	709	669
55°	704	676	616	540	481
65°	501	490	432	362	298
75°	201	203	195	186	151
85°	40	40	36	35	32
90°	0	0	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	891	13.5	27.3
0-40	1460	22.1	44.8
0-60	2595	39.3	79.6
0-90	3261	49.4	100.0
90-120	0	0.0	0.0
0-180	3261	49.4	100.0

ME240NLG, Ambient

(2) 40W Twin Tube Fluorescent -
3300 lumens per lamp
Report No.: ITL68850
Efficiency: 41.7%



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

rc	80				70				50			30			10			0	
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
R	0	50	50	50	50	48	48	48	48	46	46	46	44	44	44	43	43	43	42
R	1	46	44	42	41	45	43	42	40	41	40	39	40	39	38	38	37	37	36
R	2	42	39	36	34	41	38	35	33	36	34	33	35	33	32	34	32	31	30
R	3	38	34	31	28	37	34	31	28	32	30	28	31	29	27	30	28	27	26
R	4	35	30	27	24	34	30	27	24	29	26	24	28	25	23	27	25	23	22
R	5	32	27	24	21	32	27	23	21	26	23	21	25	22	20	24	22	20	19
R	6	30	25	21	18	29	24	21	18	23	20	18	23	20	18	22	20	18	17
R	7	28	22	19	16	27	22	19	16	21	18	16	21	18	16	20	18	16	15
R	8	26	20	17	15	25	20	17	15	20	17	14	19	16	14	19	16	14	13
R	9	24	19	15	13	24	18	15	13	18	15	13	18	15	13	17	15	13	12
R	10	23	17	14	12	22	17	14	12	17	14	12	16	14	12	16	13	12	11

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	1089	1089	1089	1089	1089
5°	1084	1083	1080	1080	1079
15°	1041	1039	1033	1029	1027
25°	966	961	944	936	927
35°	871	856	822	802	793
45°	743	728	677	636	620
55°	558	552	513	460	434
65°	301	297	303	277	251
75°	113	117	106	110	100
85°	17	18	15	15	12
90°	0	0	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	830	12.6	30.2
0-40	1348	20.4	49.0
0-60	2322	35.2	84.4
0-90	2751	41.7	100.0
90-120	0	0.0	0.0
0-180	2751	41.7	100.0

