

CATALOG #: _____

Type: _____

PROJECT: _____

FEATURES

- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- Designed for use in pairs to asymmetrically illuminate patient beds
- Fixtures can be installed to allow maintenance access without working directly over patient beds
- Optional low-voltage controller allows for bedside lighting control
- Provides varying levels of illumination through dimming driver
- Anti-microbial white finish standard
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – 22-gauge die-formed C.R.S.
- DOOR FRAME – Steel door frame with integral torsion springs to secure the frame within the fixture.
- SHIELDING – Frosted, ribbed acrylic.
- FINISH – Textured 92% minimum average reflective white anti-microbial powder coating bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL – High quality mid-power LED board. L70 > 60,000 hours per IES TM-21. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING – Designed for NEMA Type “G” 1” grid ceiling standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. For flange installations use the Drywall Kit (DFK), ordered separately. Fixture must be installed prior to Drywall Kit (DFK).
- LISTINGS –
 - cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: MD2 G - 4 - L30/8TW - A - OPTIONS - DALI - UNV

ORDERING INFO

SERIES	CEILING TYPE ^[1]	LENGTH	LUMENS ^[2]	COLOR
MD2	G NEMA Type “G”, “SS”, and “NFG”	4 4’	L30 3,000lm	8TW Tunable white (80 CRI, 3000K-5000K)

SHIELDING

A	Curved frosted ribbed acrylic
A/CHA118	Curved frosted ribbed acrylic with clear, high temperature non-prismatic lens
A/PC118	Curved frosted ribbed acrylic with clear polycarbonate lens

OPTIONS

EM/10W	10-watt emergency battery
GLR	Fuse, fast blow ^[3]
EQCLIPS	Earthquake clips ^[4]
LVC1	1-circuit low-voltage controller, wired for Ambient ^[5]
LVC3DIM	1-circuit dimming low-voltage controller ^[6]
SG	Single closed-cell foam gasketing ^[7]
DFK-0648AMW	Drywall kit, 6” x 48”, anti-microbial white ^[8]

CONTROL ^[9]

DALI	Driver prewired for DALI applications
DIM	Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT
DMX	Driver prewired for DMX applications
PSQ	Lutron T-Series 2-channel tunable white 1%.

VOLTAGE

120	120V
277	277V
UNV	120-277V

NOTES

- When using in NEMA Type “SS” or “NFG” applications, must specify EQCLIPS option. For flange installations use the Drywall Kit (DFK), see Options. Fixture must be installed prior to Drywall Kit (DFK).
- Lumen output based on 4000 CCT and A Shielding. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- Specify voltage. Requires one per driver.
- 2 per fixture. Optional for 1” grid installations. Required for 9/16” grid mounting.

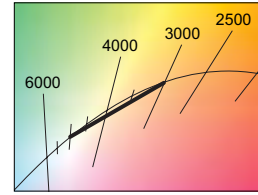
- 120V or 277V only. Not dimming compatible. LVC wall plate accessories available, see hew.com for details.
- 120V or 277V only. DIM driver only. LVC wall plate accessories available, see hew.com for details.
- Field installed.
- Must be ordered separately. Fixture must be installed prior to Drywall Kit (DFK).
- See page 2 for CONTROL DETAILS.



MD2 tunable WHITE Asymmetric Medical Bed Light

FIXTURE PERFORMANCE DATA

LED PACKAGE	A			A/CHA118		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4' L30	3049	33.1	92.1	2862	33.1	86.5



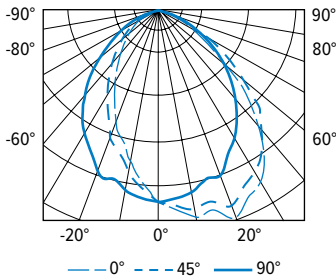
MULTIPLIER TABLE

CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 4000K, 80 CRI and A Shielding, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

PHOTOMETRY

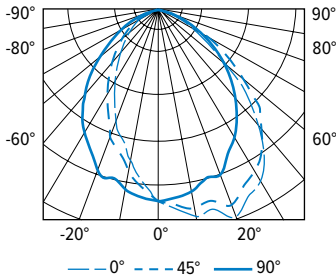
MD2G-4-L30/8TW-A-DALI Total Luminaire Output: 3049 lumens; 33.1 Watts | Efficacy: 92 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1441	1441	1441	1441	1441	
	5	1513	1476	1407	1348	1311	134
	15	1555	1487	1310	1118	1030	374
	25	1556	1471	1198	892	768	548
	35	1370	1334	1011	667	550	615
	45	957	1064	768	455	364	562
	55	500	663	510	289	225	413
	65	233	345	310	166	135	253
	75	99	134	145	73	65	119
	85	21	30	35	18	15	30
	90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1056	35
	0 - 40	1671	55
	0 - 60	2646	87
	0 - 90	3049	100
	0 - 180	3049	100

MD2G-4-L30/8TW-CHA118-DALI Total Luminaire Output: 2862 lumens; 33.3 Watts | Efficacy: 86 lm/W | 80 CRI; 4000K CCT

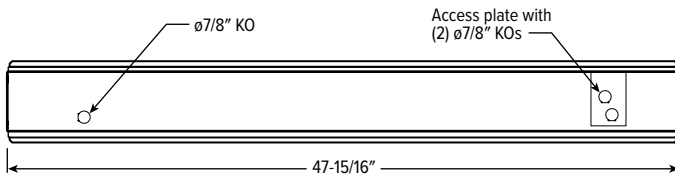


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1366	1366	1366	1366	1366	
	5	1434	1400	1340	1284	1254	128
	15	1471	1409	1247	1073	991	356
	25	1476	1394	1145	869	758	524
	35	1303	1264	968	657	549	591
	45	915	1006	737	455	374	541
	55	466	614	480	290	232	391
	65	197	296	277	157	130	226
	75	65	93	108	57	51	89
	85	11	14	15	10	10	16
	90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1008	35
	0 - 40	1599	56
	0 - 60	2531	88
	0 - 90	2862	100
	0 - 180	2862	100

FIXTURE DETAILS

BACKVIEW



MD2 tunable WHITE Asymmetric Medical Bed Light

CONTROL DETAILS

DIM



DALI



DMX



LUTRON T-SERIES

