

CATALOG #: _____

Type: _____

PROJECT: _____

FEATURES

- 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
- Multiple dimming protocols available
- Provides varying levels of illumination through dimming driver
- Anti-microbial white finish standard
- Quick-wire access plate in back of fixture housing for easy attachment of incoming power supply
- Maximize energy savings with efficacies as high as 106 lm/W
- Made Right Here® in the USA



ORDERING EXAMPLE: MD2 G - 4 - L30/840 - A - OPTIONS - DIM - UNV

ORDERING INFO

SERIES	CEILING TYPE ^[1]	LENGTH	LUMENS ^[2]	CRI	CCT	SHIELDING
MD2	G NEMA Type "G", "SS", and "NFG"	4' 4'	L30 3,000lm	8 80 9 90 ^[3]	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K	A A/CHA118 A/PC118

Curved frosted ribbed acrylic
Curved frosted ribbed acrylic with clear, high temperature non-prismatic lens
Curved frosted ribbed acrylic with clear polycarbonate lens

OPTIONS

EM/10W	10-watt emergency battery
GLR	Fuse, fast blow ^[5]
EQCLIPS	Earthquake clips ^[6]
LVC1	1-circuit low-voltage controller, wired for Ambient ^[7]
LVC3DIM	1-circuit dimming low-voltage controller ^[8]
SG	Single closed-cell foam gasketing ^[9]
DFK-0648AMW	Drywall kit, 6" x 48", anti-microbial white ^[10]

CONTROL ^[4]

DIM	Dimming driver
DRV	Non-dimming driver

VOLTAGE

120	120V
277	277V
UNV	120-277V

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. Rated for 50,000 hours at 70% lumen maintenance (L70). 25°C maximum ambient operating temperature.
- MOUNTING – Designed for NEMA Type "G" 1" grid ceiling standard. For NEMA Type "NFG" and "SG" 9/16" grid installations, specify EQCLIPS option. Drywall kit accessories available for flange applications, shipped separately, see options. Fixture must be installed prior to Drywall Kit.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

NOTES

- When using in NEMA Type "SS" or "NFG" applications, must specify EQCLIPS option. For flange installations use the Drywall Kit (DFK), ordered separately, see page 3 for DRYWALL KIT (DFK) 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.
- Extended lead times may apply. Consult factory for availability.
- See page 3 for ADDITIONAL CONTROL OPTIONS.
- 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.
- See page 3 for DRYWALL KIT (DFK) OPTIONS. Fixture must be installed prior to Drywall Kit (DFK).



MD2^{LED} Asymmetric Medical Bed Light

FIXTURE PERFORMANCE DATA

LED PACKAGE	A			A/CHA118		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L30	3014	28.3	107	2829	28.3	100

- 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%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

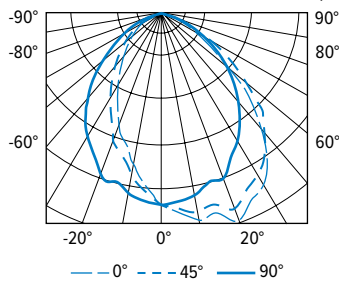
MULTIPLIER TABLES

COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
2700K	0.94
3000K	0.96
3500K	0.97
4000K	1.00
5000K	1.03

80 CRI	
2700K	0.77
3000K	0.79
3500K	0.80
4000K	0.83
5000K	0.86

PHOTOMETRY

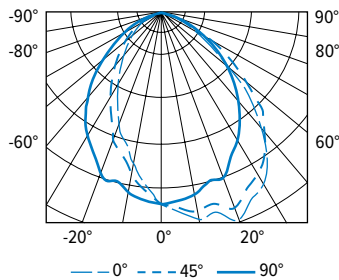
MD2G-4-L30/840-A Total Luminaire Output: 3014 lumens; 28.3 Watts | Efficacy: 106.5 lm/W | 80 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1425	1425	1425	1425	1425	
5	1496	1459	1391	1333	1296	133
15	1537	1470	1295	1106	1018	370
25	1538	1454	1184	882	760	541
35	1355	1319	1000	660	543	608
45	946	1052	760	450	360	555
55	494	656	504	286	222	408
65	231	341	307	164	134	250
75	98	133	143	72	64	118
85	21	30	35	17	14	30
90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1044	35
	0 - 40	1652	55
	0 - 60	2615	87
	0 - 90	3014	100
	0 - 180	3014	100

MD2G-4-L30/840-A/CHA118 Total Luminaire Output: 2829 lumens; 28.3 Watts | Efficacy: 99.9 lm/W | 80 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1351	1351	1351	1351	1351	
5	1418	1384	1325	1269	1240	126
15	1454	1393	1232	1060	980	352
25	1459	1377	1131	859	749	518
35	1288	1250	956	650	543	584
45	905	994	729	450	370	535
55	460	607	475	286	230	387
65	195	292	274	155	129	223
75	64	92	107	57	50	88
85	11	13	14	10	10	16
90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	996	35
	0 - 40	1581	56
	0 - 60	2502	88
	0 - 90	2829	100
	0 - 180	2829	100

FOOTCANDLE ESTIMATOR & DISTRIBUTION

A	A/CHA118
81 85 81	76 80 77
90 94 91	85 89 86
91 95 91	86 89 86
91 95 91	86 89 86
86 90 86	82 85 82
74 77 74	70 73 70
58 60 58	55 56 55
43 45 43	41 42 41
32 33 31	30 31 30

Footcandle calculations based on standard reflectance of 90/60/30 and a light loss factor of 1.0. Fixtures spaced 3' 6" O.C. over 3' wide bed at an 8' ceiling height. Values are for bed surface.



H.E. Williams, Inc.

Carthage, Missouri

www.hew.com

417-358-4065

Designed and Manufactured in the USA

REV.05/03/23.JL

Healthcare

Page 2 of 3

MD2^{LED} Asymmetric Medical Bed Light

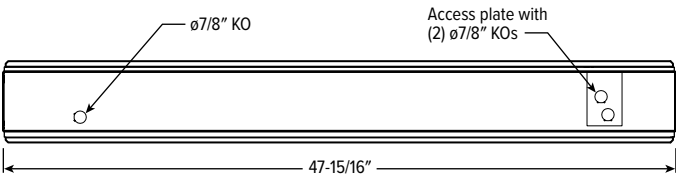
ADDITIONAL CONTROL OPTIONS

Note: Lumen restrictions apply, consult product builder at hew.com/product-builder.

CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

FIXTURE DETAILS

BACKVIEW

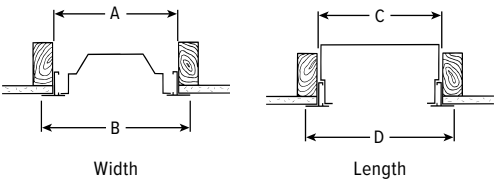


DRYWALL KIT (DFK) OPTIONS

ORDERING EXAMPLE: DFK - 06 48 W			
SERIES	WIDTH	LENGTH	FINISH
DFK Drywall Kit	See table below	See table below	W White AMW Anti-microbial white

TYPICAL INSTALLATION

Refer to table for dimensions.



CATALOG NUMBER	NOMINAL SIZE	ROUGH-IN		FINISH TRIM SIZE	
		WIDTH (A)	LENGTH (C)	WIDTH (B)	LENGTH (D)
DFK-0648__	6" x 4'	6-3/8"	48-3/8"	7-5/16"	49-5/16"

