



## LED

### SPECIFICATIONS

**Housing** – 20-gauge die-formed C.R.S.  
**Door Frame & Lens** – Transparent acrylic lens, .080" thick, mounted in .050" thick extruded aluminum door frame, flat with mitered corners.  
**Reflector** – Precision die-formed metal with highly reflective, non-glare matte white polyester powder coated finish.  
**Finish** – 92% minimum average reflective white anti-microbial powder coat 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 boards. Rated for 50,000 hours at 70% lumen maintenance (L70).  
**Mounting** – NEMA Type "G" standard. Surface mount available. Earthquake clips included. For flange installations use the Drywall Kit (DFK).  
**Labels** – cCSAus certified as luminaire suitable for dry or damp locations. City of Chicago Environmental Air approved when specified with CP option.  
**Warranty** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

### FOOTCANDLE ESTIMATOR

#### AMBIENT & EXAM ONLY



67	80	66
75	89	73
78	91	76
83	93	80
83	93	81
75	84	73
63	70	61
49	54	48
39	41	38

Footcandle calculations based on standard reflectance of 80/50/20 and a light loss factor of .85. Fixture centered over bed at 9' ceiling height, positioned 4' on center from wall. Values are for bed surface.

### LOW-VOLTAGE CONTROLLER (120V or 277V only)

EXAMPLE: LVC3A/R/N

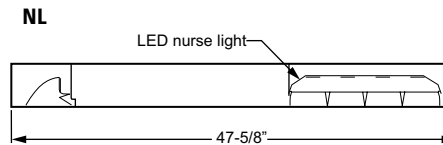
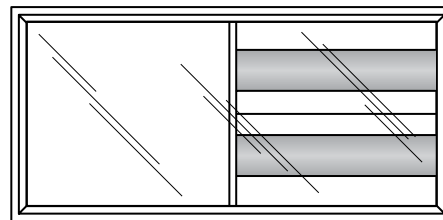
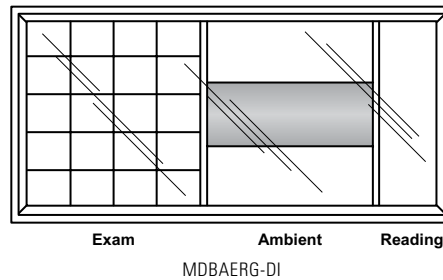
Controller	Load 1	Load 2	Load 3
LVC1 = 1-circuit	A = Ambient N = Nurse R = Reading E = Exam		
LVC2 = 2-circuit	A/ = Ambient R/ = Reading	A = Ambient N = Nurse R = Reading E = Exam	
LVC3 = 3-circuit or dimming control	A/ = Ambient R/ = Reading DIMA/ = Ambient, 0-10 dimming <sup>1</sup> DIMR/ = Reading, 0-10 dimming <sup>1</sup>	A = Ambient N = Nurse R = Reading E = Exam -	N = Nurse E = Exam -
	DIMA/DIMR/ = Ambient and reading, 0-10 dimming <sup>1</sup> SEQAR/ = Ambient and reading, sequential switching <sup>2</sup>		

- Smooth dimming of the load utilizing a single, dry contact, momentary, normally open switch which will dim from 25% up to 100% while holding down the switch.
- Alternating off and on of (2) loads with multiple cycles of one switch

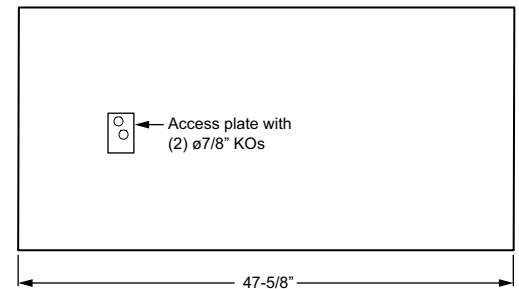
### FIXTURE DETAILS

#### EXAMPLES OF CONFIGURATIONS

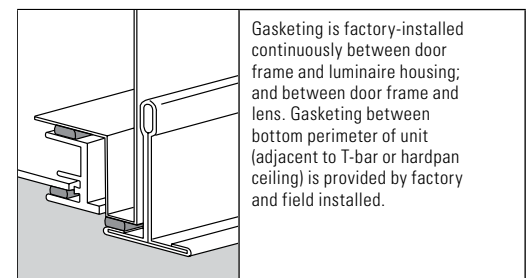
Styles must be specified in order: 1) Ambient 2) Exam 3) Reading.



#### BACK VIEW



#### GASKETING DETAILS



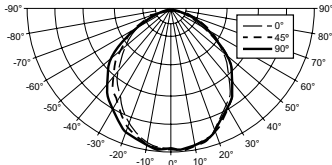
### PHOTOMETRY

Catalog #: **MDBAERG-HET-L44/840-A/AF12125/W-FA-DRV-UNV**

#### HET AMBIENT

##### TEST REPORT INFORMATION

- ▶ Test Report #: 19082.0
- ▶ Date: 09/21/15
- ▶ Lamp Type: LED
- ▶ **Rated Lumens: 4668**
- ▶ **Watts: 46.9**
- ▶ **Lumens Per Watt: 99.6**
- ▶ **CRI: 82.6**
- ▶ **CCT: 4052K**



##### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	45°	90°	135°	180°	
0°	2002.	2002.	2002.	2002.	2002.	
5°	2039.	2023.	2012.	1999.	1983.	192.1
15°	1939.	1944.	1927.	1874.	1839.	541.0
25°	1736.	1758.	1749.	1659.	1593.	790.8
35°	1495.	1541.	1544.	1416.	1319.	927.6
45°	1146.	1225.	1240.	1102.	981.	896.1
55°	761.	853.	831.	747.	631.	703.5
65°	444.	508.	417.	433.	351.	431.6
75°	171.	182.	131.	149.	124.	162.7
85°	24.	25.	21.	20.	16.	23.0
90°	0.	0.	0.	0.	0.	

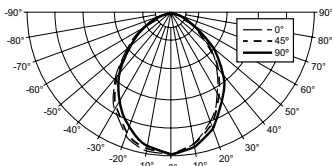
##### LUMEN SUMMARY

Zone	Lumens	% Fixture
0 - 30	1524.	32.6
0 - 40	2452.	52.5
0 - 60	4051.	86.8
0 - 90	4668.	100.0
<b>Total Luminaire:</b>		
0 - 180	4668.	100.0

#### AF12125 EXAM

##### TEST REPORT INFORMATION

- ▶ Test Report #: 19079.0
- ▶ Date: 09/17/15
- ▶ Lamp Type: LED
- ▶ **Rated Lumens: 7848**
- ▶ **Watts: 86.8**
- ▶ **Lumens Per Watt: 90.4**
- ▶ **CRI: 83.5**
- ▶ **CCT: 4082K**



##### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	45°	90°	135°	180°	
0°	3888.	3888.	3888.	3888.	3888.	
5°	3768.	3768.	3796.	3829.	3849.	362.7
15°	3425.	3465.	3572.	3691.	3752.	1015.0
25°	3892.	2960.	3120.	3274.	3324.	1440.7
35°	2249.	2335.	2552.	2710.	2756.	1584.2
45°	1617.	1670.	1867.	1968.	2012.	1416.8
55°	1018.	1055.	1205.	1277.	1319.	1052.2
65°	566.	573.	667.	707.	759.	645.8
75°	246.	228.	257.	285.	336.	280.9
85°	44.	37.	44.	46.	55.	49.7
90°	0.	0.	0.	0.	0.	

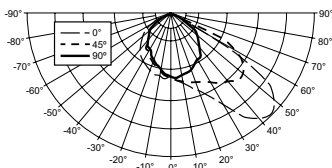
##### LUMEN SUMMARY

Zone	Lumens	% Fixture
0 - 30	2818.	35.9
0 - 40	4403.	56.1
0 - 60	6872.	87.6
0 - 90	7848.	100.0
<b>Total Luminaire:</b>		
0 - 180	7848.	100.0

#### READING

##### TEST REPORT INFORMATION

- ▶ Test Report #: 19081.0
- ▶ Date: 09/21/15
- ▶ Lamp Type: LED
- ▶ **Rated Lumens: 1593**
- ▶ **Watts: 26.9**
- ▶ **Lumens Per Watt: 59.3**
- ▶ **CRI: 82.2**
- ▶ **CCT: 4017K**



##### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	45°	90°	135°	180°	
0°	445.	445.	445.	445.	445.	
5°	474.	473.	460.	442.	430.	43.6
15°	539.	506.	445.	391.	373.	127.1
25°	642.	537.	408.	340.	323.	204.2
35°	887.	611.	375.	300.	283.	293.1
45°	1012.	677.	295.	229.	224.	348.3
55°	842.	637.	225.	175.	162.	339.3
65°	129.	408.	145.	106.	94.	169.6
75°	13.	38.	60.	43.	40.	60.6
85°	5.	2.	9.	9.	11.	7.4
90°	0.	0.	0.	0.	0.	

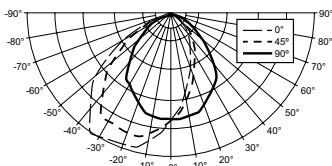
##### LUMEN SUMMARY

Zone	Lumens	% Fixture
0 - 30	375.	23.5
0 - 40	668.	41.9
0 - 60	1356.	85.1
0 - 90	1593.	100.0
<b>Total Luminaire:</b>		
0 - 180	1593.	100.0

#### NURSE

##### TEST REPORT INFORMATION

- ▶ Test Report #: 19080.0
- ▶ Date: 09/17/15
- ▶ Lamp Type: LED
- ▶ **Rated Lumens: 626**
- ▶ **Watts: 8.8**
- ▶ **Lumens Per Watt: 71.5**
- ▶ **CRI: 82.0**
- ▶ **CCT: 3963K**



##### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	45°	90°	135°	180°	
0°	260.	260.	260.	260.	260.	
5°	235.	244.	261.	284.	294.	25.1
15°	167.	191.	253.	314.	340.	71.4
25°	112.	135.	224.	311.	347.	104.0
35°	82.	104.	197.	307.	355.	129.0
45°	54.	65.	135.	234.	286.	116.9
55°	36.	44.	88.	164.	205.	94.0
65°	22.	28.	52.	92.	119.	59.3
75°	9.	13.	20.	34.	44.	24.3
85°	1.	1.	1.	2.	2.	1.9
90°	0.	0.	0.	0.	0.	

##### LUMEN SUMMARY

Zone	Lumens	% Fixture
0 - 30	200.	32.0
0 - 40	329.	52.7
0 - 60	540.	86.3
0 - 90	626.	100.0
<b>Total Luminaire:</b>		
0 - 180	626.	100.0

