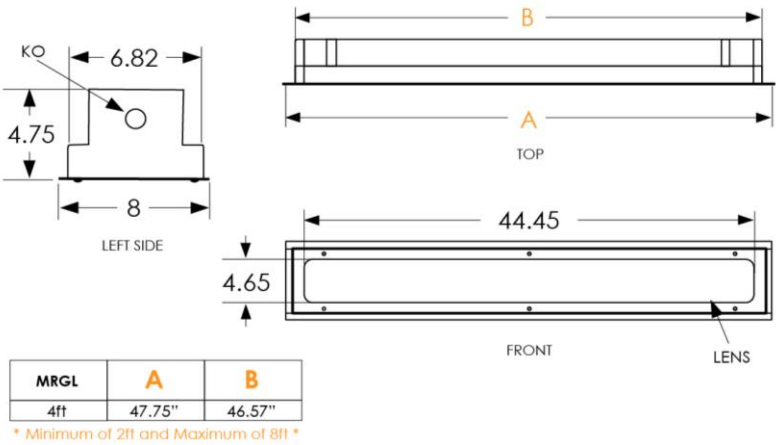


PROJECT:

NOTES:

ORDERING INFORMATION:

SHOP DRAWINGS



SANTE SERIES



Optional Optional

ORDERING INFORMATION

SERIES

MRGL

NOMINAL LENGTH

(X)F Number of feet (length)\*  
\*Minimum of 2ft and maximum of 8ft  
(If not standard 4ft, contact manufacture for shop drawing and lumen outputs)

MOUNTING

T T-Bar  
F Flange

LUMENS

50 500 Lumens Per Foot  
75 750 Lumens Per Foot  
100 1000 Lumens Per Foot  
150 1500 Lumens Per Foot  
\*Other lumen packages available

CRI

8 80 CRI  
9 90 CRI

KELVINS

30 3000K  
35 3500K  
40 4000K  
50 5000K  
TW Tunable White

LENS

H1 White Opal Acrylic  
A0 Acrylic K12  
L1 Frosted Acrylic  
L5 Clear Poly and White Opal Overlay

VOLTAGE

MV 120-277V  
347 347V

OPTIONS

AM Anti-Microbial Paint  
EM Emergency Power Pack  
CC COI Compliant  
OS Internal occupancy and daylight harvesting sensor (OSM3D-DDW)  
NLA Amber LED night light (300 lumens)  
NLR Red LED night light (300 lumens)  
NL White LED night light (300 lumens)\*  
SL Screwless IP54 version  
CH Chicago Plenum Compliant Optional  
BAA Buy American Act Compliant (consult factory) Optional

Temp K/CCT to be the same as main lighting unless otherwise specified

DRIVERS

ND Non-dimming applications  
D 0-10V dimming  
D1 0-10V dimming to 1%  
DA DALI driver

FEATURES

- > Specification-grade patient room linear LED luminaire for healthcare applications
  - > Robust design with lens tightly secured by double-frame fastened internally with multiple screws
  - > Features modern rectangle lens with rounded edges for visual comfort and efficiency
  - > Minimum 80 CRI; color range 3000K - 5000K available
  - > Fully gasketed fixture
  - > 90 CRI Optional
  - > COI Compliant Optional
  - > Anti-microbial paint optional
  - > Chicago Plenum Compliant optional
  - > Multiple dimming protocols available
  - > IP65 for recessed applications\*
  - > Gasketed stainless steel screws
  - > Operating temperature (-40 to 45 Celsius / -22 to 113 Fahrenheit)
- \* Faceplate is sealed with multiple gaskets and luminaire is IP65 certified as providing protection against dust and water entering the luminaire through the faceplate in a recessed application. Note that the housing (which is designed to be recessed into ceiling and is not visible once installed) does not provide ingress protection against dust and water entering the luminaire from the plenum.

APPLICATIONS

- > Hospitals
- > Nursing Homes
- > Medical Clinics

LED

FIXTURE PERFORMANCE DATA

SPECIFICATIONS

**Housing** – Precision die-formed 20-gauge C.R.S. with continuously welded end plates

**Door Frame** – Single piece precision die-formed frame with fasteners that secure door frame to housing

**Lens (standard)** – 0.125" white opal acrylic lens. Secured with an internal frame that is fastened internally to the door frame with multiple screws

**Finish** – Baked white enamel powder finish applied post production on all surfaces for smooth edges and safe handling. An anti-microbial finish is optional.

**Electrical** – High-quality mid-power LED boards. L70>72,000 hours reported / 129,200 hours calculated at maximum allowable output current. L90>50,000 hours

**Mounting** – Recessed (plaster or T-Bar ceiling). We strongly recommend adding wire hangers on each earthquake clips/brackets (see fixture details)

- Listings** –
- IP65
  - cUL certified

**Warranty** – 5-year limited warranty

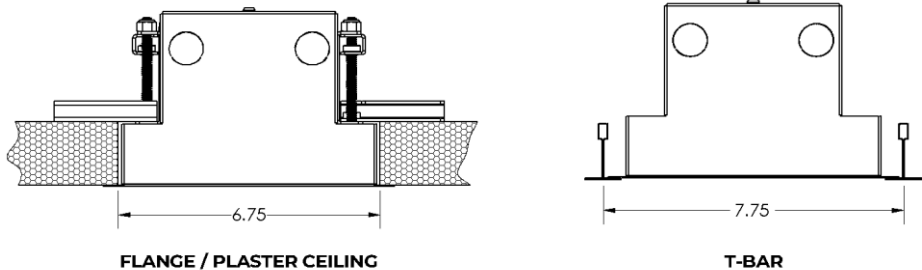
LED PACKAGE	DELIVERED LUMENS	WATTAGE
4 FT		
500 lm / ft	2,013	18
1000 lm / ft	4,020	41
1500 lm / ft	6,085	68

\*Results based on 4000K, 80 CRI, H1 White Opal Lens

Approximate CCT Multiplier	80 CRI	90 CRI
2700K	0.9	0.75
3000K	0.95	0.8
3500K	0.97	0.82
4000K	1	0.85
5000K	1.03	0.88

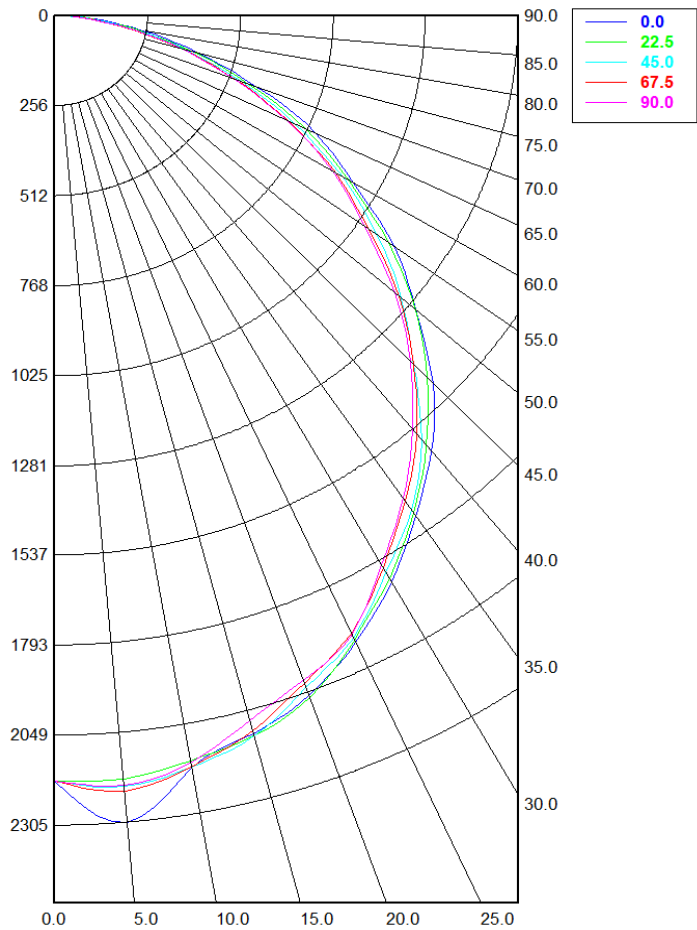
FIXTURE DETAILS

Hanging brackets to secure housing to structure (wires not supplied by PA-CO)



PHOTOMETRY

MRGL-4F-T-150-40-H1-MV Total Luminaire Output: 6,085 lumens; 68 Watts



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	2,179.18	2,179.18	2,179.18	2,179.18	2,179.18
5.00°	2,305.45	2,182.39	2,204.34	2,216.49	2,199.98
10.00°	2,176.81	2,155.15	2,173.08	2,173.11	2,161.18
15.00°	2,116.92	2,123.63	2,125.03	2,109.18	2,078.83
20.00°	2,058.70	2,064.33	2,034.44	2,020.33	2,013.67
25.00°	1,968.67	1,961.88	1,954.71	1,939.97	1,943.75
30.00°	1,864.60	1,851.56	1,834.23	1,817.71	1,808.45
35.00°	1,741.08	1,731.25	1,721.10	1,689.53	1,680.78
40.00°	1,620.55	1,600.02	1,578.55	1,558.10	1,539.52
45.00°	1,479.80	1,456.70	1,406.16	1,403.83	1,390.93
50.00°	1,304.56	1,302.83	1,252.53	1,244.50	1,228.93
55.00°	1,149.19	1,127.13	1,090.66	1,061.45	1,046.67
60.00°	952.99	939.29	917.09	895.30	884.83
65.00°	796.16	763.47	732.30	713.08	707.30
70.00°	594.67	569.64	548.29	529.50	522.12
75.00°	409.45	389.59	370.69	358.64	358.26
80.00°	246.40	226.07	213.13	199.21	202.76
85.00°	104.22	92.15	85.93	77.55	73.78
90.00°	16.80	13.85	8.88	7.15	6.52

Zonal Lumen Summary

Zone	Lumens	% Fixture
0.00° - 10.00°	221.96	3.65%
10.00° - 20.00°	594.17	9.76%
20.00° - 30.00°	895.03	14.71%
30.00° - 40.00°	1,068.29	17.55%
40.00° - 50.00°	1,096.65	18.02%
50.00° - 60.00°	975.08	16.02%
60.00° - 70.00°	727.52	11.95%
70.00° - 80.00°	399.17	6.56%
80.00° - 90.00°	108.12	1.78%
90.00° - 100.00°	2.85	0.05%
100.00° - 110.00°	0.00	0.00%
110.00° - 120.00°	0.00	0.00%
120.00° - 130.00°	0.00	0.00%
130.00° - 140.00°	0.00	0.00%
140.00° - 150.00°	0.00	0.00%
150.00° - 160.00°	0.00	0.00%
160.00° - 170.00°	0.00	0.00%
170.00° - 180.00°	0.00	0.00%
0.00° - 90.00°	6,085.99	100.00%
90.00° - 180.00°	2.85	0.05%
0.00° - 180.00°	6,085.99	100.00%

Spacing Criterion:

Two luminaires, plane 0°	1.26
Two luminaires, plane 90°	1.23
Four luminaires	1.35

