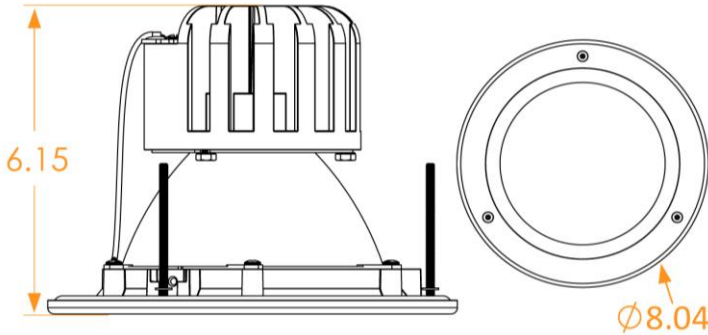


PROJECT:

NOTES:

ORDERING INFORMATION:

SHOP DRAWINGS



ORDERING INFORMATION

SERIES
MDA6

REFLECTOR
MW Matte White
SS Semi Specular
CS Clear Specular

LUMENS*
W5 500 lm (White)
W10 1000 lm (White)
W20 2000 lm (White)
W30 3000 lm (White)
W40 4000 lm (White)
W20A3 2000 lm (White), 300 lm (Amber)**
A3 300 lm (Amber)

*Other lumen packages available.
**2 circuits

CRI
8 80 CRI
9 90 CRI

KELVIN
27 2700K
30 3000K
35 3500K
40 4000K
50 5000K
TW Tunable White

OPTIC
SY Symmetric Distribution
WW Asymmetric Wall washer*
*Only available with FL 2000 lm max

TRIM FINISH
WH Matte White
BR Brushed
AM Antimicrobial White
BK Textured Black

SECURITY LENS (NOMINAL THICKNESS)
M1 Clear Polycarbonate (1/8")
M4 Clear Polycarbonate (1/4")

VOLTAGE
120 120V
277 277V
347 347V

OPTIONS
EM Emergency Power Pack
FU Fuse and Holder
CH Chicago Plenum Optional

DRIVER
ND Non-dimming applications
D 0-10V Dimming
D1 0-10V Dimming to 1%
DA DALI Driver

SANTE SERIES

ARMOR SERIES



Optional

FEATURES

- > 6" inch diameter LED downlight for anti-vandal and anti-ligature behavioral healthcare applications.
- > Minimum 80 CRI; color range 2700K - 5000K available
- > Multiple dimming protocols available
- > Tunable White option available
- > Colored LED boards optional (white, red, amber)
- > IP65 for recessed applications
- > Security lens tightly secured and fastened internally with multiple screws
- > IK10 rated
- > Anti-ligature
- > Operating temperature (-40 to 45 Celsius / -22 to 113 Fahrenheit)

APPLICATIONS

- > Hospitals
- > Rehabilitation Centers
- > Behavioral Healthcare Facilities
- > Canopies
- > Correctional Facilities

LED

FIXTURE PERFORMANCE DATA

SPECIFICATIONS

Reflector– Clear-specular, semi-specular or white spun aluminum reflector. Other finishes available on request.

Lens – Flush 1/8" or 1/4" high impact Polycarbonate lens for high abuse retained by screws on trim. Other lens thicknesses available on request.

Finish – Baked white matte powder finish or brushed finish on trim. Antimicrobial matte white paint available.

Electrical – High quality high-power LED board. L80 >50,000 hours..

Mounting – Recessed

- Listings** –
- cUL certified for non-IC installations
 - IP65 certified

Warranty – 5-year limited warranty

LED PACKAGE	DELIVERED LUMENS	WATTAGE
W5 (semi-specular)	459 lm	7W
W10 (semi-specular)	918 lm	13W
W20 (semi-specular)	1835 lm	26W
W30 (semi-specular)	2753 lm	40W
W40 (semi-specular)	3670 lm	53W
W5 (matte white)	467 lm	7W
W10 (matte white)	934 lm	13W
W20 (matte white)	1868 lm	26W
W30 (matte white)	2801 lm	40W
W40 (matte white)	3735 lm	53W

*Results based on 4000K, 80 CRI, M1 lens (1/8")

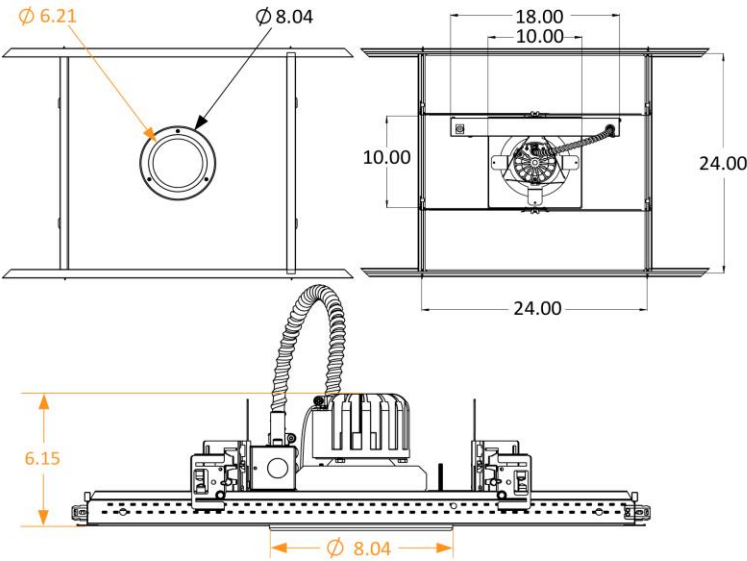
**Luminaire is available in all wattages ranging from 3 watts to 53 watts.

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

PLASTER FRAME DIMENSIONS

NEW CONSTRUCTION PLASTER FRAME KIT FOR NON-IC

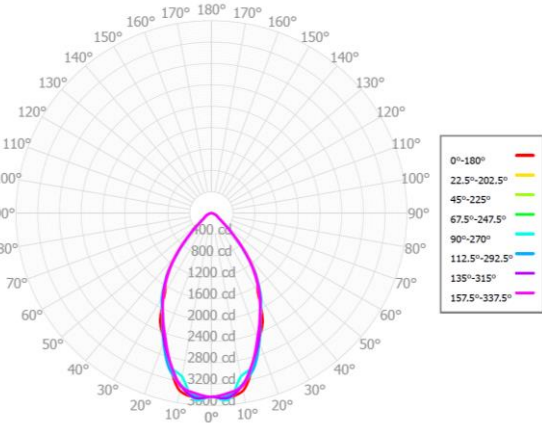
Plaster frame with hanger bars system for new construction installations.
Suitable for non-IC applications.
Plaster frame can be shipped separately.
Ceiling thickness: ½"-1" (13mm - 25mm)
Weight: 11.43 lbs



PHOTOMETRIC REPORT

MDA6-W40-40-MW-M1 Total Luminaire Output: 3,433 lumens; 53 Watts

CANDELA POLAR PLOT



FULL BEAM ANGLE

0° - 180°	59.13°
90° - 270°	61.97°

OUTPUT

Total Output Luminous flux	3735 lm
Efficiency	N/A %
Efficacy	71 lm/W

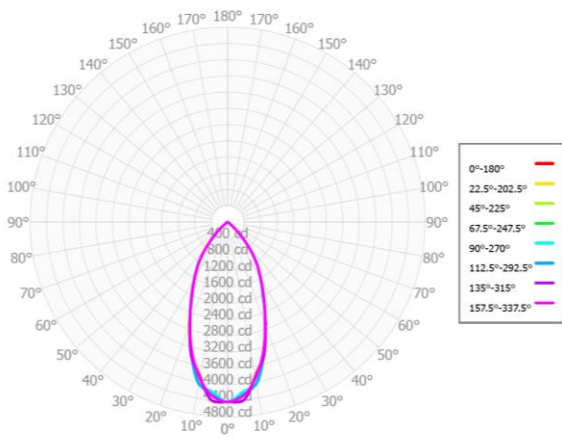
CANDELA DISTRIBUTION

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	3438.87	3438.87	3438.87	3438.87	3438.87
5.00°	3463.59	3384.76	3472.97	3434.48	3509.18
10.00°	3372.56	3287.59	3278.68	3262.30	3110.18
15.00°	2959.21	2911.98	2912.83	3008.35	2961.52
20.00°	2546.59	2480.68	2541.98	2575.96	2490.23
25.00°	2234.56	2113.92	2112.48	2125.21	2126.02
30.00°	1708.87	1769.21	1797.34	1781.80	1835.47
35.00°	1449.84	1388.61	1418.64	1430.53	1424.66
40.00°	1012.26	997.55	970.03	973.66	943.66
45.00°	552.53	565.42	549.53	536.49	575.01
50.00°	283.65	273.43	285.15	281.04	279.17
55.00°	163.80	170.03	167.01	162.32	181.14
60.00°	122.14	133.05	128.79	133.19	139.28
65.00°	94.23	98.00	102.49	89.89	96.34
70.00°	64.61	60.93	61.78	63.06	68.03
75.00°	33.21	30.17	33.45	31.75	28.14
80.00°	8.78	9.73	9.96	11.55	9.06
85.00°	1.25	1.89	1.50	1.38	1.09
90.00°	0.00	0.81	0.20	0.08	0.00

PHOTOMETRIC REPORT

MDA6-W40-940-SS-M1 Total Luminaire Output: 3,401 lumens; 49 Watts

CANDELA POLAR PLOT



FULL BEAM ANGLE

0° - 180°	47.01°
90° - 270°	46.85°

OUTPUT

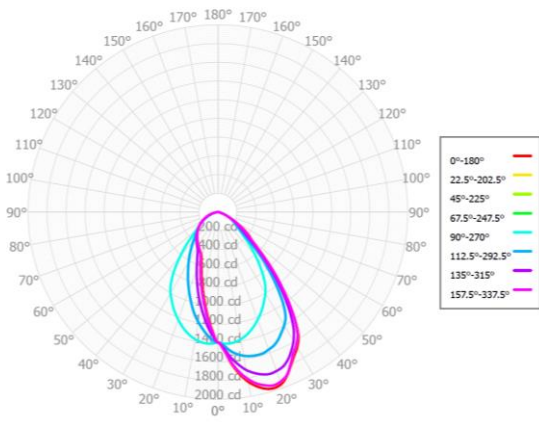
Total Output Luminous flux	3401 lm
Efficiency	N/A %
Efficacy	69 lm/W

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	4432.10	4432.10	4432.10	4432.10	4432.10
5.00°	4422.27	4302.64	4407.15	4270.31	4199.14
10.00°	3850.26	3911.45	3885.24	4041.27	4045.11
15.00°	3371.86	3332.32	3417.62	3383.03	3407.67
20.00°	2716.08	2662.32	2674.17	2664.61	2647.28
25.00°	2003.01	2065.73	2095.88	2081.51	2017.44
30.00°	1614.19	1585.11	1614.20	1588.69	1573.35
35.00°	1202.48	1213.97	1230.35	1203.29	1255.02
40.00°	786.61	799.41	779.50	775.22	789.17
45.00°	368.70	377.72	391.96	378.96	395.82
50.00°	131.41	127.89	135.80	128.91	134.64
55.00°	34.45	33.57	32.08	32.39	33.85
60.00°	14.67	15.00	16.35	14.06	15.57
65.00°	10.53	9.52	10.64	7.64	9.80
70.00°	5.05	6.31	5.64	5.51	6.69
75.00°	3.97	3.29	3.61	3.71	4.08
80.00°	1.90	2.13	1.63	2.44	1.88
85.00°	0.12	0.05	0.32	0.15	0.00
90.00°	0.04	0.15	0.22	0.00	0.00

PHOTOMETRIC REPORT

MDA6-W20-40-MW-WW-M4 Total Luminaire Output: 2,338 lumens; 44 Watts

CANDELA POLAR PLOT



FULL BEAM ANGLE

0° - 180°	48.94°
90° - 270°	60.92°

OUTPUT

Total Output Luminous flux	2338 lm
Efficiency	N/A %
Efficacy	54 lm/W

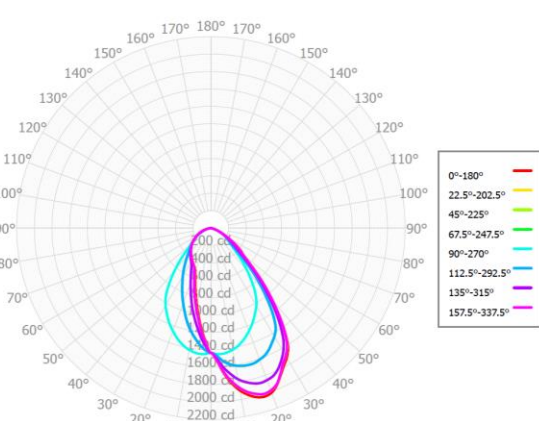
CANDELA DISTRIBUTION

	0.00°	22.50°	45.00°	67.50°	90.00°	112.50°	135.00°	157.50°	180.00°
0.00°	1394.62	1394.62	1394.62	1394.62	1394.62	1394.62	1394.62	1394.62	1394.62
2.50°	1482.17	1479.08	1458.48	1428.61	1408.01	1366.81	1320.46	1287.50	1273.08
5.00°	1629.46	1612.98	1561.48	1489.38	1411.10	1316.34	1230.85	1170.08	1145.36
7.50°	1747.91	1725.25	1643.88	1531.61	1400.80	1256.60	1126.82	1038.24	1008.37
10.00°	1843.70	1811.77	1714.95	1560.45	1381.23	1192.74	1025.88	920.82	883.74
12.50°	1910.65	1876.66	1762.33	1576.93	1353.42	1125.79	930.09	808.55	770.44
15.00°	1955.97	1917.86	1796.32	1584.14	1316.34	1048.54	831.21	706.58	662.29
17.50°	1973.48	1942.58	1814.86	1583.11	1273.08	968.20	738.51	608.73	571.65
20.00°	1955.97	1929.19	1807.05	1564.57	1223.64	893.01	651.99	531.48	502.64
22.50°	1899.32	1890.05	1789.11	1542.94	1173.17	819.88	574.74	479.98	469.68
25.00°	1815.89	1804.56	1742.76	1503.80	1117.55	747.78	511.91	455.26	449.08
27.50°	1736.58	1713.92	1673.75	1450.24	1057.81	678.77	461.44	433.63	427.45
30.00°	1670.66	1646.97	1593.41	1397.71	1000.13	618.00	434.66	414.06	408.91
32.50°	1582.08	1561.48	1486.29	1327.67	927.00	559.29	413.03	395.52	390.37
35.00°	1426.55	1414.19	1333.85	1200.98	833.27	499.55	391.40	375.95	371.83
37.50°	1241.15	1237.03	1163.90	1039.27	726.15	447.02	371.83	358.44	355.35
40.00°	1055.75	1051.63	984.68	874.47	620.06	398.61	350.20	339.90	337.84
42.50°	883.74	876.53	816.79	718.94	522.21	358.44	331.66	324.45	321.36
45.00°	715.85	706.58	653.02	561.35	427.45	327.54	311.06	304.88	302.82
47.50°	566.50	559.29	504.70	416.12	348.14	300.76	291.49	286.34	285.31
50.00°	465.56	458.35	393.46	313.12	293.55	276.04	270.89	267.80	267.80

PHOTOMETRIC REPORT

MDA6-W20-50-MW-WW-M4 Total Luminaire Output: 2,407 lumens; 45 Watts

CANDELA POLAR PLOT



FULL BEAM ANGLE

0° - 180°	48.94°
90° - 270°	60.92°

OUTPUT

Total Output Luminous flux	2407 lm
Efficiency	N/A %
Efficacy	54 lm/W

CANDELA DISTRIBUTION

	0.00°	22.50°	45.00°	67.50°	90.00°	112.50°	135.00°	157.50°	180.00°
0.00°	1435.24	1435.24	1435.24	1435.24	1435.24	1435.24	1435.24	1435.24	1435.24
2.50°	1525.34	1522.16	1500.96	1470.22	1449.02	1406.62	1358.92	1325.00	1310.16
5.00°	1676.92	1659.96	1606.96	1532.76	1452.20	1354.68	1266.70	1204.16	1178.72
7.50°	1798.82	1775.50	1691.76	1576.22	1441.60	1293.20	1159.64	1068.48	1037.74
10.00°	1897.40	1864.54	1764.90	1605.90	1421.46	1227.48	1055.76	947.64	909.48
12.50°	1966.30	1931.32	1813.66	1622.86	1392.84	1158.58	957.18	832.10	792.88
15.00°	2012.94	1973.72	1848.64	1630.28	1354.68	1079.08	855.42	727.16	681.58
17.50°	2030.96	1999.16	1867.72	1629.22	1310.16	996.40	780.02	626.46	588.30
20.00°	2012.94	1985.38	1860.30	1610.14	1259.28	919.02	670.98	546.96	517.28
22.50°	1954.64	1945.10	1841.22	1587.88	1207.34	843.76	591.48	493.96	483.36
25.00°	1868.78	1857.12	1793.52	1547.60	1150.10	789.56	526.82	468.52	462.16
27.50°	1787.16	1763.84	1722.50	1492.48	1088.62	698.54	474.88	446.26	439.90
30.00°	1719.32	1694.94	1639.82	1438.42	1029.26	636.00	447.32	426.12	420.82
32.50°	1628.16	1606.96	1529.58	1366.34	954.00	575.58	425.06	407.04	401.74
35.00°	1468.10	1455.38	1372.70	1235.96	857.54	514.10	402.80	386.90	382.66
37.50°	1277.30	1273.06	1197.80	1069.54	747.30	460.04	382.66	368.88	365.70
40.00°	1086.50	1082.26	1013.36	899.94	638.12	410.22	360.40	349.80	347.68
42.50°	909.48	902.06	840.58	739.88	537.42	368.88	341.32	333.90	330.72
45.00°	736.70	727.16	672.04	577.70	439.90	337.08	320.12	313.76	311.64
47.50°	583.00	575.58	519.40	428.24	358.28	309.52	299.98	294.68	293.62
50.00°	479.12	471.70	404.92	322.24	302.10	284.08	278.78	275.60	275.60