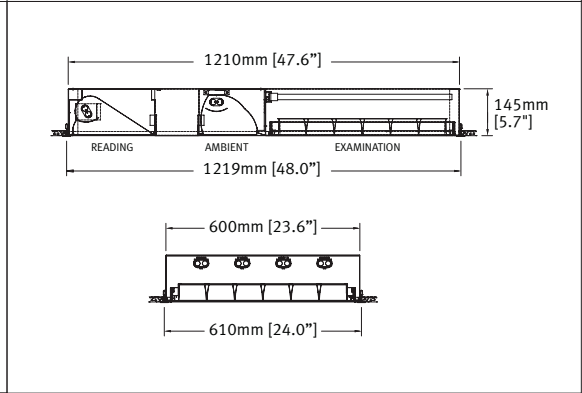


Paciente BLGA

Recessed . 2x4



| |
|-----------------|
| PROJECT: |
| TYPE: |
| NOTES: |



| | | | | | | | | | | |
|-------------|------------------------|-----------|------------|--------------|----------|---------|-----------|----------|---------|---------|
| BLGA | 1CF40 | | 2/4 | | W | | | | | |
| Model | Ambient / Reading Lamp | Exam Lamp | Size | Exam Control | Finish | Ballast | Circuitry | Mounting | Voltage | Options |

| Ambient / Reading Lamps | Exam Lamps | Size | Exam Control | Finish | Ballast |
|-------------------------|--------------|--------------------|---|----------------|-----------------------------------|
| 1CF40 | 3CF40 | 2/4 2' x 4' | SL Specular parabolic louver | W White | R Electronic Rapid Start |
| | 4CF40 | | SSL Semi-specular parabolic louver | | D1 0-10V Dimming |
| | 4CF50 | | WPL White painted parabolic louver | | D2 DALI |
| | 4CF55 | | MP Micro prismatic lens | | <i>For other, contact factory</i> |
| | 4T5 | | | | |
| | 4T5H0 | | | | |

| Circuitry | Mounting | Voltage | Options |
|--|----------------------------|---|---|
| 3 Three switchlegs (<i>ambient/reading/exam</i>) | RT Recessed T-Bar | 120 | N None |
| B Battery Pack (<i>120 / 277V only</i>) (<i>Connected to ambient lamp</i>) | RD Recessed Drywall | 277 | LV* LV controller |
| | S Surface mount | 347 | PSLV* Pillow switch with LV controller |
| | | <i>For other voltage, contact factory</i> | F Fuse |
| | | | AM Anti-microbial White |
| | | | <i>* Controls ambient and reading lamps 120 / 277V only</i> |

APPROVALS Signature _____ Date _____

FILE NAME: Paciente_BLGA_2x4

May.30.2013

570 Southgate Drive, Guelph, Ontario N1G 4P6
Mailing Address: P.O. Box 1779 Guelph, Ontario, N1H 6Z9

1.800.621.6785 | T 519.822.4381 | F 519.822.4589
www.metalumen.com

Metalumen

SPECIFICATIONS

Due to the continuous improvement policy at Metalumen, we reserve the right to change our specifications without notice.

Intended Use / Description The BLGA series of luminaires has been specifically designed to meet the requirements for general circulation and patient areas, and convalescent and long term care facilities. Optical system components have been specifically designed to provide powerful, glare-free seamless illumination for both healthcare professionals and patients. Its architectural design brings a relaxed, comfortable feel to any patient room environment. The BLGA incorporates facility for ambient, reading and examination lighting.

Housing The luminaire body is constructed from 20 gauge cold rolled steel.

Optical System The ambient and reading light reflectors have been computer modeled and precision die formed from anodized aluminum to provide optimum lighting performance. The reflectors have a reflectance value of 98%. The examination light reflector is fabricated from cold rolled steel finished in a 90% reflective high gloss electrostatically applied white powder coat finish. The examination light has a low brightness parabolic louver with a pattern 12 lens overlay which provide low brightness and glare-free illumination. The luminaire can provide four lighting levels from a single unit.

Light Distribution Examination, Reading, Ambient

Finish The luminaire is finished in a high gloss electrostatically applied white powder coat finish having a reflectance value of 90%.

Weight 21.3 kg [47.0 lb]

Mounting The BLGA is available for recessed T-bar, dry-wall or surface mounting.

Electrical Luminaires are available in 120, 277 and 347 volts.

Ballast Fluorescent electronic ballasts, high power factor (<10% THD) rapid start.

Lamps The BLGA series of luminaires are available with CF, T5, T5HO fluorescent lamps and LED.

Approvals Certified to NRTL and IES testing standards. All components cULus listed. RoHS compliant.

Environment Suitable for dry locations.

WARRANTY

Metalumen will warrant a one year parts and labour warranty. Warranty is valid if luminaire is installed and used according to specification. The Ballast will carry a standard 5 year warranty by the manufacturer.

If defective, Metalumen will send replacement ballasts or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Metalumen.

FEATURES



MEDILUMEN // Healthcare Lighting

Every product in our broad line of healthcare luminaires has been strategically engineered to meet modern healthcare demands while addressing patient needs and aesthetic requirements.

PHOTOMETRIC DATA - ALL

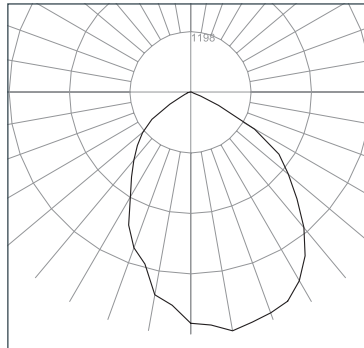
Report No.: BLGA-4-5CF-ALL
 Total Lumens: 9777
 Input Watts: 220
 Efficiency: 62%
 Efficacy: 44 lms/W
 Power Factor: .975

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method
 Effective Floor Cavity Reflectance = .20

| RC | 80 | | | | 70 | | | | 50 | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 |
| RW | | | | | | | | | | | | |
| 0 | 74 | 74 | 74 | 74 | 72 | 72 | 72 | 72 | 69 | 69 | 69 | |
| 1 | 69 | 66 | 64 | 62 | 67 | 65 | 63 | 61 | 62 | 61 | 59 | |
| 2 | 64 | 59 | 56 | 53 | 62 | 58 | 55 | 52 | 56 | 53 | 51 | |
| 3 | 59 | 53 | 49 | 45 | 57 | 52 | 48 | 45 | 50 | 47 | 44 | |
| 4 | 54 | 48 | 43 | 39 | 53 | 47 | 42 | 39 | 45 | 41 | 38 | |
| 5 | 50 | 43 | 38 | 34 | 49 | 42 | 37 | 34 | 41 | 37 | 34 | |
| 6 | 46 | 39 | 34 | 30 | 45 | 38 | 33 | 30 | 37 | 33 | 30 | |
| 7 | 43 | 35 | 30 | 27 | 42 | 35 | 30 | 27 | 34 | 30 | 27 | |
| 8 | 40 | 32 | 27 | 24 | 39 | 32 | 27 | 24 | 31 | 27 | 24 | |
| 9 | 38 | 30 | 25 | 22 | 37 | 29 | 25 | 22 | 29 | 25 | 22 | |
| 10 | 35 | 28 | 23 | 20 | 35 | 27 | 23 | 20 | 27 | 23 | 20 | |

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 4778 | 4924 | 4867 |
| 55 | 4030 | 3851 | 3798 |
| 65 | 1281 | 1348 | 1813 |
| 75 | 149 | 208 | 642 |
| 85 | 121 | 100 | 197 |

CANDLE DISTRIBUTION

| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|----|---------|---------|---------|---------|---------|
| 0 | 4567.00 | 4567.00 | 4567.00 | 4567.00 | 4567.00 |
| 5 | 4603.47 | 4583.80 | 4635.48 | 4356.69 | 4145.18 |
| 10 | 4774.31 | 4617.49 | 4467.10 | 4078.32 | 3974.67 |
| 15 | 4729.58 | 4603.45 | 4379.14 | 3704.01 | 3504.30 |
| 20 | 4767.40 | 4529.66 | 4240.56 | 3465.70 | 3121.00 |
| 25 | 4541.62 | 4441.64 | 4075.41 | 3099.33 | 2812.74 |
| 30 | 4380.67 | 4376.63 | 3781.82 | 2836.97 | 2304.09 |
| 35 | 3937.37 | 4083.83 | 3665.76 | 2455.10 | 1884.76 |
| 40 | 3383.71 | 3738.85 | 3447.63 | 2063.75 | 1598.60 |
| 45 | 2915.71 | 3365.89 | 3278.02 | 1846.96 | 1348.97 |
| 50 | 2448.19 | 2921.65 | 2714.20 | 1604.40 | 1092.13 |
| 55 | 2091.84 | 2326.60 | 2249.50 | 1215.21 | 786.86 |
| 60 | 1378.22 | 1487.46 | 1388.10 | 631.23 | 361.32 |
| 65 | 527.79 | 682.37 | 894.36 | 255.20 | 215.60 |
| 70 | 193.20 | 270.34 | 469.91 | 126.86 | 92.82 |
| 75 | 43.67 | 81.89 | 243.29 | 86.25 | 64.14 |
| 80 | 28.46 | 44.59 | 129.14 | 64.91 | 62.73 |
| 85 | 19.87 | 26.83 | 49.84 | 47.05 | 43.13 |
| 90 | 4.82 | 6.18 | 10.19 | 10.01 | 10.45 |

PHOTOMETRIC DATA - READING

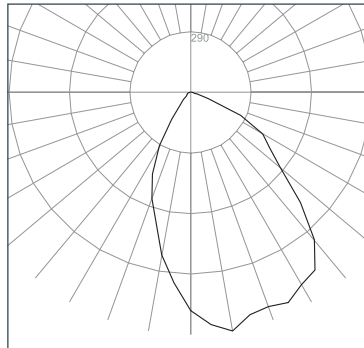
Report No.: BLGA-4-5CF-READ
 Total Lumens: 3150
 Input Watts: 44
 Efficiency: 65%
 Efficacy: 46 lms/W
 Power Factor: .975

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method
 Effective Floor Cavity Reflectance = .20

| RC | 80 | | | | 70 | | | | 50 | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 |
| RW | | | | | | | | | | | | |
| 0 | 77 | 77 | 77 | 77 | 75 | 75 | 75 | 75 | 72 | 72 | 72 | |
| 1 | 71 | 69 | 66 | 64 | 70 | 67 | 65 | 63 | 65 | 63 | 61 | |
| 2 | 66 | 61 | 57 | 54 | 64 | 60 | 56 | 53 | 58 | 55 | 52 | |
| 3 | 61 | 55 | 50 | 46 | 59 | 54 | 49 | 46 | 52 | 48 | 45 | |
| 4 | 56 | 49 | 44 | 40 | 55 | 48 | 43 | 40 | 47 | 43 | 39 | |
| 5 | 52 | 44 | 39 | 35 | 51 | 44 | 39 | 35 | 42 | 38 | 35 | |
| 6 | 48 | 40 | 35 | 31 | 47 | 40 | 35 | 31 | 39 | 34 | 31 | |
| 7 | 45 | 37 | 32 | 28 | 44 | 36 | 31 | 28 | 35 | 31 | 28 | |
| 8 | 42 | 34 | 29 | 25 | 41 | 33 | 29 | 25 | 33 | 28 | 25 | |
| 9 | 39 | 31 | 26 | 23 | 38 | 31 | 26 | 23 | 30 | 26 | 23 | |
| 10 | 37 | 29 | 24 | 21 | 36 | 29 | 24 | 21 | 28 | 24 | 21 | |

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 1133 | 1204 | 927 |
| 55 | 931 | 817 | 771 |
| 65 | 550 | 541 | 563 |
| 75 | 82 | 137 | 351 |
| 85 | 98 | 65 | 103 |

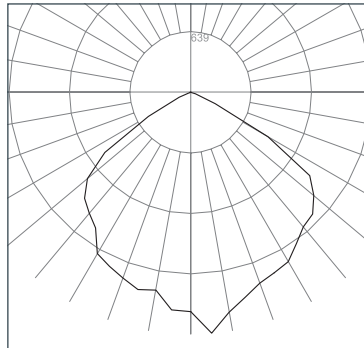
CANDLE DISTRIBUTION

| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|----|---------|---------|---------|---------|---------|
| 0 | 1043.65 | 1043.65 | 1043.65 | 1043.65 | 1043.65 |
| 5 | 1116.55 | 1122.25 | 1104.88 | 981.45 | 916.42 |
| 10 | 1130.77 | 1151.93 | 1037.03 | 887.37 | 793.68 |
| 15 | 1112.13 | 1139.94 | 1028.21 | 744.93 | 619.92 |
| 20 | 1133.95 | 1087.58 | 1002.83 | 612.51 | 494.77 |
| 25 | 1122.74 | 1034.09 | 911.89 | 516.35 | 378.85 |
| 30 | 1099.78 | 1014.77 | 871.85 | 420.42 | 241.97 |
| 35 | 1041.41 | 969.90 | 791.13 | 319.63 | 113.21 |
| 40 | 891.36 | 908.58 | 704.85 | 211.81 | 52.00 |
| 45 | 691.48 | 822.87 | 624.19 | 119.40 | 23.10 |
| 50 | 574.08 | 654.66 | 543.62 | 63.25 | 14.26 |
| 55 | 483.38 | 493.56 | 456.44 | 41.59 | 8.62 |
| 60 | 407.97 | 378.71 | 357.82 | 35.88 | 10.20 |
| 65 | 226.78 | 273.76 | 277.82 | 32.29 | 9.28 |
| 70 | 69.07 | 170.32 | 205.06 | 26.57 | 9.39 |
| 75 | 24.06 | 53.82 | 133.23 | 23.26 | 6.86 |
| 80 | 13.94 | 24.14 | 67.56 | 15.93 | 7.41 |
| 85 | 16.03 | 17.51 | 26.13 | 8.24 | 7.84 |
| 90 | 4.67 | 4.46 | 5.40 | 2.89 | 1.41 |

PHOTOMETRIC DATA - T8 - 1 LAMP

Report No.: BLGA-4-5CF-EXAM
 Total Lumens: 9450
 Input Watts: 132
 Efficiency: 60%
 Efficacy: 43 lms/W
 Power Factor: .975

PHOTOMETRIC CURVE



COEFFICIENTS OF UTILIZATION

Zonal Cavity Method
 Effective Floor Cavity Reflectance = .20

| RC | 80 | | | | 70 | | | | 50 | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 |
| RW | | | | | | | | | | | | |
| 0 | | 72 | 72 | 72 | 72 | 70 | 70 | 70 | 70 | 67 | 67 | 67 |
| 1 | | 67 | 65 | 62 | 61 | 65 | 63 | 61 | 60 | 61 | 59 | 58 |
| 2 | | 62 | 58 | 54 | 51 | 60 | 56 | 53 | 51 | 54 | 52 | 50 |
| 3 | | 57 | 51 | 47 | 44 | 55 | 50 | 46 | 43 | 49 | 45 | 43 |
| 4 | | 52 | 46 | 41 | 38 | 51 | 45 | 41 | 37 | 44 | 40 | 37 |
| 5 | | 48 | 41 | 36 | 33 | 47 | 41 | 36 | 33 | 39 | 35 | 32 |
| 6 | | 45 | 37 | 32 | 29 | 44 | 37 | 32 | 29 | 36 | 31 | 28 |
| 7 | | 41 | 34 | 29 | 25 | 40 | 33 | 29 | 25 | 32 | 28 | 25 |
| 8 | | 38 | 31 | 26 | 23 | 38 | 30 | 26 | 23 | 30 | 25 | 22 |
| 9 | | 36 | 28 | 24 | 20 | 35 | 28 | 23 | 20 | 27 | 23 | 20 |
| 10 | | 34 | 26 | 21 | 18 | 33 | 26 | 21 | 18 | 25 | 21 | 18 |

CANDLE DISTRIBUTION

| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|----|---------|---------|---------|---------|---------|
| 0 | 2318.46 | 2318.46 | 2318.46 | 2318.46 | 2318.46 |
| 5 | 2098.81 | 2557.57 | 2296.92 | 2307.75 | 2219.88 |
| 10 | 2291.83 | 2360.78 | 2312.99 | 2122.25 | 2285.43 |
| 15 | 2156.57 | 2241.12 | 2096.42 | 2157.63 | 2186.94 |
| 20 | 2344.42 | 2148.33 | 2220.84 | 2090.65 | 1977.41 |
| 25 | 2111.37 | 2101.64 | 2183.93 | 2028.82 | 1870.70 |
| 30 | 2080.18 | 2065.85 | 2168.29 | 1970.15 | 1760.67 |
| 35 | 1845.45 | 1955.51 | 2070.04 | 1754.52 | 1550.14 |
| 40 | 1608.51 | 1858.52 | 2104.10 | 1667.37 | 1474.39 |
| 45 | 1639.06 | 1823.90 | 2139.72 | 1586.84 | 1220.86 |
| 50 | 1434.68 | 1701.14 | 1789.63 | 1422.95 | 981.08 |
| 55 | 1205.50 | 1538.50 | 1426.58 | 1108.13 | 669.39 |
| 60 | 680.16 | 45.79 | 787.72 | 513.26 | 270.43 |
| 65 | 229.73 | 286.77 | 372.42 | 130.90 | 128.64 |
| 70 | 85.22 | 53.19 | 95.33 | 26.31 | 31.93 |
| 75 | 6.48 | 6.77 | 4.24 | 6.04 | 3.85 |
| 80 | 5.75 | 3.33 | 4.90 | 2.06 | 3.67 |
| 85 | 0.49 | 4.41 | 2.10 | 4.22 | 0.97 |
| 90 | 2.20 | 2.73 | 2.18 | 3.16 | 0.00 |

LUMINANCE DATA (CD/M²)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 2686 | 2668 | 3177 |
| 55 | 2323 | 2547 | 2408 |
| 65 | 558 | 567 | 755 |
| 75 | 22 | 17 | 11 |
| 85 | 3 | 16 | 8 |