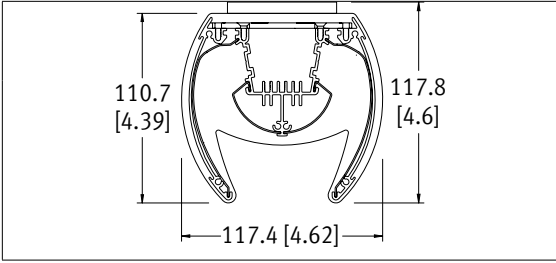


Arches A4S

LED . Surface



| |
|----------|
| CAT #: |
| PREP BY: |
| DATE: |
| PROJECT: |
| TYPE: |
| NOTES: |

ORDERING LOGIC

Sample part number: A4S-2L35K-4-NN-SA-L31-S-1-NR-O

| Color Temp | | Optics | | Finish | | Light Levels (LL) / Driver | | Circuitry | | Control | | | | | | | | | | | | | |
|---------------------------------------|---------------|---------------|--------------------------------------|---|-------------|----------------------------|-----------|---------------------------------|-----------|-----------|-----------|-----------|---------------|-----------------------|-----------|-----------|-----------|-----------------------|----------|-----------------------------|-----------------------|---------------------|------------------------------|
| 2L30K = 3000K | 2L35K = 3500K | 2L40K = 4000K | 2LTUN= Tunable White (2700K - 6500K) | N = None | Optics Down | N = None | W = White | C = Custom Finish Specify RAL#: | L1 = 2436 | L2 = 3100 | L3 = 4456 | L4 = 8521 | 1 = 1 Circuit | S = Surface (Ceiling) | 1 = 120 V | 2 = 277 V | 3 = 347 V | 4 = UNV (120 - 277 V) | N = None | N = None (mounted integral) | R = Remote Driver Box | O = Open (Standard) | X = Custom (Consult Factory) |
| Length | | | | Side Decals are optional. See p.2 for Side Decal Info | | Based on 4ft sections. | | | | | | | | | | | | | | | | | |
| 2 = 2 ft | | | | | | | | | | | | | | | | | | | | | | | |
| 4 = 4 ft | | | | | | | | | | | | | | | | | | | | | | | |
| 8 = 8 ft | | | | | | | | | | | | | | | | | | | | | | | |
| R = Continuous Rows (Consult factory) | | | | | | | | | | | | | | | | | | | | | | | |

SPECIFICATIONS

Due to the Continuous Improvement Policy at Metalumen, we reserve the right to change our specifications without notice.

Housing: Rigid 3-piece extruded aluminum body with 22-gauge steel top cover plate.
End Caps: Steel powder coated, semi-open (standard) or closed end. Consult factory for custom end caps.
Optical System: Mid-flux LED technology transmits to internal smooth, high performance reflectors. Open luminaire, no lens design.

CRI: 83+ (3500K) (80 minimum for all CCT)
Lumen Maintenance: At an ambient operating temperature of 25°C our LED system output remains useful at L85 ≥ 60 000hrs.
Finish: Black, satin aluminum, or white powder coated paint finish. For custom finish, contact factory. Side Decals are optional. See p.2 for Side Decal info and options.
Mounting: Surface mounting plate provided.

Drivers: Metalumen offers dimming drivers as a standard on our entire LED product offering at 0-10V. Dimming range is down to 1%. Power factor @ full load is > 90% with a Class 2 rating.
Controls: Not available.
Lutron Driver Options: Consult factory for Lutron LED driver options:
 • LHE H-Series Hi-lume 1% EcoSystem

• LA2 A-Series Hi-lume 1% 2-wire
 • L5E 5-Series EcoSystem
Approvals: Certified to NRTL safety and IES Recommendation testing standards. All components are UL/CSA/QPS recognized or listed, RoHS, LM79, LM80 and LM82 compliant.
Environment: Suitable for dry locations.

WARRANTY

Metalumen will warrant defective luminaires for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specification. If defective, Metalumen will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Metalumen.

LUMINAIRE WATTAGE AND OUTPUT SPECIFICATION

| Light Level | Wattage | Lumens | Efficacy (lm/W) | Lumen Adjustment Factor | | |
|-------------|---------|--------|-----------------|-------------------------|--------|--------|
| | | | | Color Temp | 80 CRI | 90 CRI |
| L1 | 27.78 | 2436 | 87.7 | 3000K | 0.984 | 0.880 |
| L2 | 35.42 | 3100 | 87.5 | 3500K | 1.000 | 0.875 |
| L3 | 48.62 | 4456 | 91.6 | 4000K | 1.032 | 0.879 |
| L4 | 97.24 | 8521 | 87.6 | | | |

APPROVALS

Signature _____

Date _____

FILE NAME: A4S_LED_S_SPEC_SHEET_20191120

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



DECAL INFORMATION

Decal Measurements for standalone fixtures

2 ft Length: 630 [24.8]
Height: 87.0 [3.43]



4 ft Length: 1239.6 [48.8]
Height: 87.0 [3.43]

8 ft Length: 2458.8 [96.8]
Height: 87.0 [3.43]

Consult factory for continuous run decal measurements.

PHOTOMETRIC DATA - 3500K

L3

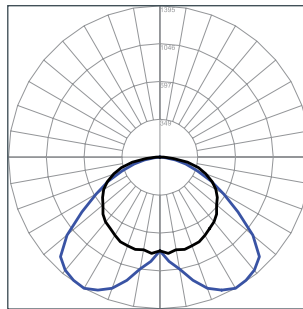
File Name: A4S-2L35K-4-NN-L3
Luminaire Lumens: 4456
Total Watts: 48
Efficacy: 91.6 lms/W
Optics Up: None
Optics Down: None

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method
Effective Floor Cavity Reflectance = .20

| RC | 80 | | | | 70 | | | | 50 | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | |
| RCR | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | |
| 1 | 108 | 103 | 98 | 94 | 105 | 100 | 96 | 92 | 96 | 92 | 89 | |
| 2 | 97 | 88 | 81 | 75 | 94 | 86 | 80 | 74 | 83 | 77 | 72 | |
| 3 | 88 | 77 | 68 | 61 | 85 | 75 | 67 | 60 | 72 | 65 | 59 | |
| 4 | 80 | 67 | 58 | 51 | 77 | 66 | 57 | 50 | 63 | 55 | 49 | |
| 5 | 73 | 59 | 50 | 43 | 71 | 58 | 49 | 43 | 56 | 48 | 42 | |
| 6 | 67 | 53 | 43 | 37 | 65 | 52 | 43 | 36 | 50 | 42 | 36 | |
| 7 | 62 | 48 | 38 | 32 | 60 | 47 | 38 | 32 | 45 | 37 | 31 | |
| 8 | 57 | 43 | 34 | 28 | 56 | 42 | 34 | 28 | 41 | 33 | 28 | |
| 9 | 53 | 39 | 31 | 25 | 52 | 39 | 30 | 25 | 37 | 30 | 25 | |
| 10 | 50 | 36 | 28 | 22 | 48 | 35 | 27 | 22 | 34 | 27 | 22 | |

PHOTOMETRIC CURVE



CANDLE DISTRIBUTION

| Vertical Angle | Horizontal Angle | | | | |
|----------------|------------------|---------|---------|---------|---------|
| | 0 | 22.5 | 45 | 67.5 | 90 |
| 0 | 861.09 | 861.09 | 861.09 | 861.09 | 861.09 |
| 5 | 888.37 | 935.69 | 933.44 | 976.76 | 964.07 |
| 10 | 863.88 | 920.78 | 1002.59 | 1048.29 | 1045.73 |
| 15 | 879.4 | 946.87 | 1052.51 | 1140.32 | 1174.61 |
| 20 | 868.54 | 973.25 | 1139.57 | 1259.27 | 1283.6 |
| 25 | 860.31 | 1005.23 | 1196.17 | 1316.11 | 1349.22 |
| 30 | 830.85 | 998.01 | 1246.4 | 1349.76 | 1394.51 |
| 35 | 799.31 | 1017.54 | 1249.86 | 1346.61 | 1384.64 |
| 40 | 777.62 | 1026.33 | 1252.78 | 1330.82 | 1356.17 |
| 45 | 742.23 | 1004.97 | 1209.77 | 1286.43 | 1297.29 |
| 50 | 683.07 | 970.46 | 1158.77 | 1170.69 | 1118.28 |
| 55 | 646.12 | 919.2 | 1058.22 | 942.62 | 878.18 |
| 60 | 595.99 | 858.63 | 883.07 | 723.18 | 680.3 |
| 65 | 533.54 | 766.15 | 666.54 | 544 | 522.14 |
| 70 | 450.06 | 622.34 | 471.3 | 394.08 | 368.71 |
| 75 | 367.5 | 452.16 | 316.71 | 262.79 | 245.44 |
| 80 | 258.2 | 264.86 | 186.68 | 155.53 | 146.63 |
| 85 | 126.55 | 120.2 | 79.42 | 61.1 | 53.68 |
| 90 | 33.29 | 37.66 | 21.57 | 8.45 | 2.6 |

LUMINANCE DATA (CD/M²)

| Vertical Angle | Horizontal Angle | | |
|----------------|------------------|------|------|
| | 0 | 45 | 90 |
| 45 | 6583 | 6614 | 6290 |
| 55 | 6812 | 6009 | 4323 |
| 65 | 7204 | 4065 | 2693 |
| 75 | 7203 | 2157 | 1373 |
| 85 | 4788 | 634 | 339 |