

## DESCRIPTION

Cambria 922 is a small dimmable LED or MR16 low voltage sign lighting luminaire. It attaches to a wall mounted straight arm and delivers full vertical adjustment for easy aiming. Optional 14", 18", 24", 30" or 36" straight arms are available. Various lenses, louvers and color or dichroic filters can be combined - up to three at once - to create multiple lighting effects. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

| Catalog #   | Type |
|-------------|------|
|             |      |
| Project     |      |
|             |      |
| Comments    |      |
|             |      |
| Prepared by |      |
|             |      |

## SPECIFICATION FEATURES

### Material

Housing, hood, straight arm and wall mounting plate are precision-machined from corrosion-resistant billet stock 6061-T6 aluminum. Premium metals such as C360 brass, C932 bronze, C110 copper or 303/304 stainless steel are available on request.

### Finish

Fixtures constructed from 6061-T6 aluminum are double protected by a chemical film undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

### Hood

Hood is removable for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects. Weep holes prevent water and mineral stains from collecting on the lens, even in the straight-up position.

### Gasket

Housing and hood are sealed with a high temperature silicone o-ring

gasket to prevent water intrusion.

### Lens

Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock.

### Adjustable Mounting Arm

Straight arm with adjustable side swivel provides 340° of vertical adjustment for easy aiming. Optional 14", 18", 24", 30" or 36" straight arms are available (specify option -SA14, -SA18, -SA24, -SA30 or -SA36). Stainless steel aim-locking mechanisms are standard. 4-1/4" diameter wall mounting plate attaches directly to standard J-box with provided screws. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

### Hardware

Stainless steel hardware is standard to provide maximum corrosion resistance.

### Socket

Ceramic socket with 250° CTeflon® coated lead wires and GU5.3 bi-pin base.

### Electrical

Remote 12V transformer required (not included). Available from Lumière as an accessory - see the Accessories & Technical Data section of the catalog for details. NOTE: initial power draw on LED equipped fixtures is 15 watts. When sizing transformer use 15 watts per LED fixture. Nominal power draw after start up is 6 watts or 10 watts accordingly.

### Lamp

Halogen lamp not included. Soraalamp compatible (6W Max). LED modules are included and are available in four color temperatures (2700, 3000, 4000, and 5700) and three distributions (spot, narrow, and flood). Both color temperature and distribution must be specified when ordering.

### Warranty

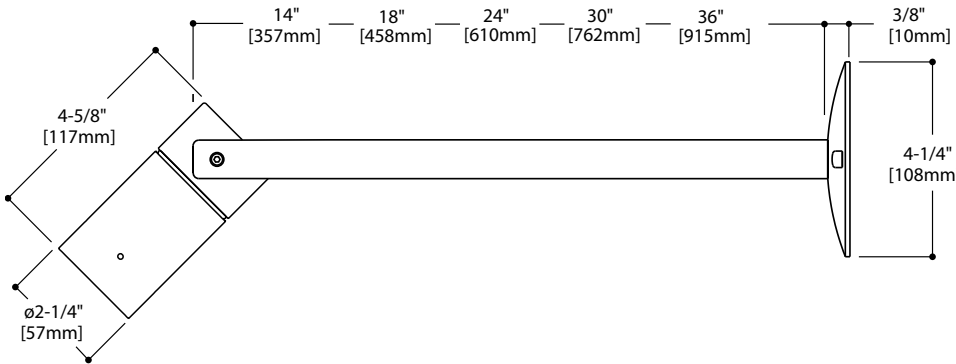
Lumière warrants its fixtures against defects in materials & workmanship for three (3) years. Auxiliary equipment such as transformers, ballasts and lamps carry the original manufacturer's warranty.



## 922 CAMBRIA

LED  
HALOGEN

APPLICATIONS:  
SIGN LIGHT



**CERTIFICATION DATA**  
UL and cUL Wet Location Listed  
LM79 / LM80 Compliant  
ROHS Compliant  
IP65 Ingress Protection Rated

**TECHNICAL DATA**  
Low Voltage:  
50W Max Halogen MR16  
6W LED, L70/60,000 hours at 25°C  
10W LED, L70/60,000 hours at 25°C

## ORDERING INFORMATION

Sample Number: 922-10LED2712-12-BK-SA14

| Series  | Source<br>(for LED, select from each column and combine) |  |   | Voltage | Finish   | Stem Length   |
|---|--|--|---|---------|--|---|
| 922=LED or MR16 Cambria Sign Light., Straight Arm, Side Stem, Single Head | 50MR16=50W max. Halogen MR16 (lamp not included)         |  |   | 12=12V  | Painted<br>BK=Black<br>BZ=Bronze<br>CS=City Silver<br>VE=Verde<br>WT=White | SA14= 14" Length<br>SA18 = 18" Length<br>SA24= 24" Length<br>SA30= 30" Length<br>SA36= 36" Length |
|   | 6LED=6W LED<br>10LED=10W LED                             | 27=2700K<br>30=3000K<br>40=4000K<br>57=5700K | 12=12° Spot<br>21=21° Narrow<br>41=41° Wide |         |  |   |

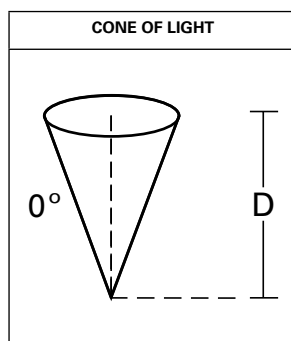
**NOTES:** 1 Unless noted otherwise, lamps not included. 2 See Accessories & Technical Data section of Lumière catalog for Mounting Accessories. 3 Consult your customer service representative for additional options and finishes.

## OPTICAL ACCESSORIES - ORDER SEPARATELY

| Filters<br>(2.00" Diameter)   | Optical Lenses<br>(2.00" Diameter)   | Optical Louvers (2.00"<br>Diameter)                |
|---|--|--|
| <b>F71</b> = Peach Dichroic<br><b>F72</b> = Amber Dichroic<br><b>F73</b> = Green Dichroic<br><b>F74</b> = Medium Blue<br><b>F75</b> = Yellow Dichroic<br><b>F76</b> = Red Dichroic<br><b>F77</b> = Dark Blue Dichroic<br><b>F78</b> = Light Blue Dichroic<br><b>F79</b> = Neutral Density Dichroic<br><b>F80</b> = Magenta Dichroic<br><b>F22</b> = Red Color<br><b>F33</b> = Blue Color<br><b>F44</b> = Green Color<br><b>F55</b> = Yellow Color<br><b>F66</b> = Mercury Vapor | <b>LSL</b> =Linear Spread Lens<br>(elongates standard beam<br>spread)<br><b>DIF</b> =Diffused Lens<br>(provides even illumination)<br><b>OSL</b> =Overall Spread Lens<br>(increases standard beam<br>spread) | <b>LVR</b> =45° Hex Cell Louver<br>(reduces glare) |

## CAMBRIA 922 MR16 HALOGEN PHOTOMETRY DATA

Horizontal Illuminance on Surface - Cambria 922 Standard Recessed Hood - 50W MR16



| Filename | 922-50MR16-12-BK-NSP.ies |               |
|----------|--------------------------|---------------|
| Lamp     | 50W MR16 NSP             |               |
| CBCP     | 11,000                   |               |
| D        | FC                       | Beam Diameter |
| 2'       | 2550                     | 1'6"          |
| 4'       | 638                      | 1'0"          |
| 6'       | 283                      | 1'6"          |
| 8'       | 159                      | 2'0"          |
| 10'      | 102                      | 3'0"          |
| 15'      | 45                       | 4'0"          |

| Filename | 922-50MR16-12-BK-NFL.ies |               |
|----------|--------------------------|---------------|
| Lamp     | 50W MR16 NFL             |               |
| CBCP     | 3,200                    |               |
| D        | FC                       | Beam Diameter |
| 2'       | 725                      | 1'0"          |
| 4'       | 181                      | 2'6"          |
| 6'       | 81                       | 4'0"          |
| 8'       | 45                       | 5'0"          |
| 10'      | 29                       | 6'6"          |
| 15'      | 13                       | 10'0"         |

## CCT MULTIPLIER TABLE

| LAMP WATTAGE | MULTIPLIER |
|--------------|------------|
| 20W          | 0.32       |
| 35W          | 0.57       |

| Filename | 922-50MR16-12-BK-FL.ies |               |
|----------|-------------------------|---------------|
| Lamp     | 50W MR16 FL             |               |
| CBCP     | 2,000                   |               |
| D        | FC                      | Beam Diameter |
| 2'       | 431                     | 1'6"          |
| 4'       | 106                     | 3'0"          |
| 6'       | 48                      | 5'0"          |
| 8'       | 27                      | 6'6"          |
| 10'      | 17                      | 8'0"          |
| 15'      | 7                       | 12'0"         |

| Filename | 922-50MR16-12-BK-WFL.ies |               |
|----------|--------------------------|---------------|
| Lamp     | 50W MR16 WFL             |               |
| CBCP     | 1,200                    |               |
| D        | FC                       | Beam Diameter |
| 2'       | 269                      | 2'0"          |
| 4'       | 67                       | 4'6"          |
| 6'       | 30                       | 7'6"          |
| 8'       | 17                       | 9'0"          |
| 10'      | 11                       | 11'6"         |
| 15'      | 5                        | 17'0"         |

## NOTES AND FORMULAS

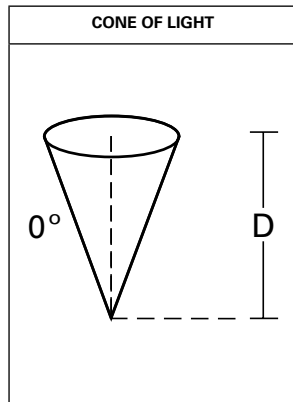
- Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
- Footcandle values are initial. Apply appropriate light loss factors where necessary.
- Bare lamp data shown. Consult lamp manufacturers to obtain detailed specifications for their lamps.

# CAMBRIA 922 LED PHOTOMETRY DATA

## LED Lumen and CBCP Table - 4000K

| OPTICTYPE<br>(beam spread) | BASE + ACCESSORY OPTIONS    | 4000K CCT - Standard Hood |        |     |      |        |     |
|----------------------------|-----------------------------|---------------------------|--------|-----|------|--------|-----|
|                            |                             | 10W                       |        |     | 6W   |        |     |
|                            |                             | CBCP                      | LUMENS | LPW | CBCP | LUMENS | LPW |
| 12'                        | BASE                        | 7931                      | 419    | 45  | 5948 | 314    | 53  |
|                            | + DIF (DIFFUSE)             | 1178                      | 289    | 31  | 884  | 217    | 37  |
|                            | + OSL (OVERALL SPREAD LENS) | 820                       | 350    | 38  | 615  | 263    | 45  |
|                            | + LSL (LINEAR SPREAD LENS)  | NA                        | 343    | 36  | NA   | 257    | 44  |
|                            | + LVR (HEXCELL LOUVER)      | 7165                      | 339    | 36  | 5374 | 254    | 43  |
| 21'                        | BASE                        | 2194                      | 344    | 37  | 1646 | 258    | 44  |
|                            | + DIF (DIFFUSE)             | 683                       | 241    | 26  | 512  | 181    | 31  |
|                            | + OSL (OVERALL SPREAD LENS) | 595                       | 290    | 32  | 446  | 218    | 37  |
|                            | + LSL (LINEAR SPREAD LENS)  | NA                        | 282    | 31  | NA   | 212    | 36  |
|                            | + LVR (HEXCELL LOUVER)      | 2030                      | 249    | 27  | 1523 | 187    | 32  |
| 41'                        | BASE                        | 1173                      | 304    | 33  | 880  | 228    | 39  |
|                            | + DIF (DIFFUSE)             | 418                       | 205    | 22  | 314  | 154    | 26  |
|                            | + OSL (OVERALL SPREAD LENS) | 595                       | 250    | 27  | 446  | 188    | 32  |
|                            | + LSL (LINEAR SPREAD LENS)  | NA                        | 245    | 27  | NA   | 184    | 31  |
|                            | + LVR (HEXCELL LOUVER)      | 1078                      | 195    | 21  | 809  | 146    | 25  |

## Horizontal Illuminance on Surface - Cambria 922 Standard Recessed Hood -4000K



| Filename: 922-10LED4012-12-BK.ies |        |               |
|-----------------------------------|--------|---------------|
| Test No.: P184457                 |        |               |
| D                                 | FC     | Beam Diameter |
| 2'                                | 1912.8 | 0.4           |
| 4'                                | 478.2  | 0.8           |
| 6'                                | 212.5  | 1.2           |
| 8'                                | 119.5  | 1.6           |
| 10'                               | 76.5   | 2.0           |
| 15'                               | 34.0   | 3.2           |
| 20'                               | 19.1   | 4.2           |
| 30'                               | 8.5    | 6.4           |
| 40'                               | 4.8    | 8.4           |

| Filename: 922-10LED4021-12-BK.ies |       |               |
|-----------------------------------|-------|---------------|
| Test No.: P185207                 |       |               |
| D                                 | FC    | Beam Diameter |
| 2'                                | 548.5 | 0.6           |
| 4'                                | 137.1 | 1.3           |
| 6'                                | 60.9  | 2.1           |
| 8'                                | 34.3  | 2.8           |
| 10'                               | 21.9  | 3.6           |
| 15'                               | 9.8   | 5.3           |
| 20'                               | 5.5   | 7.2           |
| 30'                               | 2.4   | 10.6          |
| 40'                               | 1.4   | 13.9          |

| Filename: 922-10LED4041-12-BK.ies |       |               |
|-----------------------------------|-------|---------------|
| Test No.: P185957                 |       |               |
| D                                 | FC    | Beam Diameter |
| 2'                                | 290.7 | 0.8           |
| 4'                                | 72.7  | 1.6           |
| 6'                                | 32.3  | 2.5           |
| 8'                                | 18.2  | 3.3           |
| 10'                               | 11.6  | 4.2           |
| 15'                               | 5.2   | 6.4           |
| 20'                               | 2.9   | 8.5           |
| 30'                               | 1.3   | 12.6          |
| 40'                               | 0.7   | 16.2          |

## CCT MULTIPLIER TABLE

| CCT(K) / COLOR | MULTIPLIER |
|----------------|------------|
| 2700K          | 0.79       |
| 3000K          | 0.86       |
| 4000K          | 1.00       |
| 5700K          | 1.05       |
| AMBER          | 0.57       |

## TECHNICAL INFORMATION

- Dimming is dependant on remote transformer compatibility with LED module. Please see [compatibility matrix](#) for dimmer switch and transformer selection.
- When using a magnetic dimmer switch there are two recommended LED compatible 120V magnetic dimming switches:  
Lutron Ariadni AVLV-600P and Lutron Diva DVLV-600P
- IMPORTANT: when sizing the transformer use 9 watts for 6LED or 15 watts for 10LED option fixture. Nominal power draw after start up is 6 watts or 10 watts accordingly. The LED module is designed to operate between 10 and 13 volts. Any less or more voltage can cause premature failures.