



**Day-Brite / CFI WLS LED wraparound** is an economical surface mount general illumination luminaire for use in commercial and residential applications. The slender form and frosted lens create an appealing visual aesthetic. The built-in occupancy sensor, lumen and color selectable light output offer complete versatility.



Project: \_\_\_\_\_

Location: \_\_\_\_\_

Cat.No: \_\_\_\_\_

Type: \_\_\_\_\_

Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

## Ordering guide

Example: **WLS43050L8CST-UNV-DIM-OCC**

| Family                                   | Size                                     | Lumens <sup>1</sup> (nominal)                                                        | CST                                                   | Voltage <sup>2</sup> | Driver                      | Sensor                                      |
|------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------|-----------------------------|---------------------------------------------|
| <b>WLS</b>                               |                                          |                                                                                      | <b>8CST</b> —                                         | —                    | <b>DIM</b>                  | <b>OCC</b>                                  |
| <b>WLS</b> Wraparound<br>LED dual select | <b>2</b> 2' length<br><b>4</b> 4' length | <b>1530L</b> 15/24/30lm field selectable<br><b>3050L</b> 32/42/53lm field selectable | <b>8CST</b> 80 CRI, Color Select<br>(3500/4000/5000K) | <b>UNV</b> 120-347V  | <b>DIM</b> 0-10v<br>dimming | <b>OCC</b> Occupancy<br>sensor <sup>2</sup> |

1. Nominal delivered lumens at 25°C ambient.
2. 2' version NOT available with OCC sensor

## Features

1. Cold-rolled steel (SPCC), white polyester powder-coated finish
2. Frosted polycarbonate lens for even, low glare lighting.
3. Hardware for surface mounting included.
4. Easy installation with holes provided in housing.
5. Can be surface mounted on ceilings or walls or suspended via chain, pendants or cables. Pendant suspension requires junction box.
6. Power interconnect (both flush and 12" cable) provided to link fixtures together if desired.
7. Default factory settings: Lumens – Highest available lumens / CCT – 4000K
  - Field CCT selectable for 3500K, 4000K, or 5000K.
  - Field lumen selectable for 15/24/30lm, 32/42/53lm

## Occupancy sensor

Occupancy sensor comes standard with all sizes. Integrate PIR occupancy sensor with three alternative settings to choose from:

- **0-10V dimming driver control**
  - PIR Sensor fully OFF
  - Default factory setting
- **PIR Mode 1**
  - When movement detected 100%, when no movement is detected dims to 20%
- **PIR Mode 2**
  - When movement detected 100%, when no movement is detected dims to OFF

## Labels

Suitable for damp locations.

cETLus listed to meet UL 1598 standards for -10°C to 35°C ambient.

DesignLights Consortium qualified. Please see the DLC QPL list for exact catalog numbers <http://www.designlights.org/QPL>

## Warranty

5 year manufacturer's limited warranty. Visit [www.signify.com/warranties](http://www.signify.com/warranties) for complete warranty information.

## Accessories (order separately)

- HCH5-VHOOK** 5' Cable hanger set (pair) – Includes two 5' hanging cables with "V" hooks
- HCH10-VHOOK** 10' Cable hanger set (pair) – Includes two 10' hanging cables with "V" hooks
- HCH15-VHOOK** 15' Cable hanger set (pair) – Includes two 15' hanging cables with "V" hooks
- HCH20-VHOOK** 20' Cable hanger set (pair) – Includes two 20' hanging cables with "V" hooks
- HNH5-VHOOK** 54" Chain hanger set (pair) – Includes two 54" heavy duty link chains with "V" hooks

## General Notes

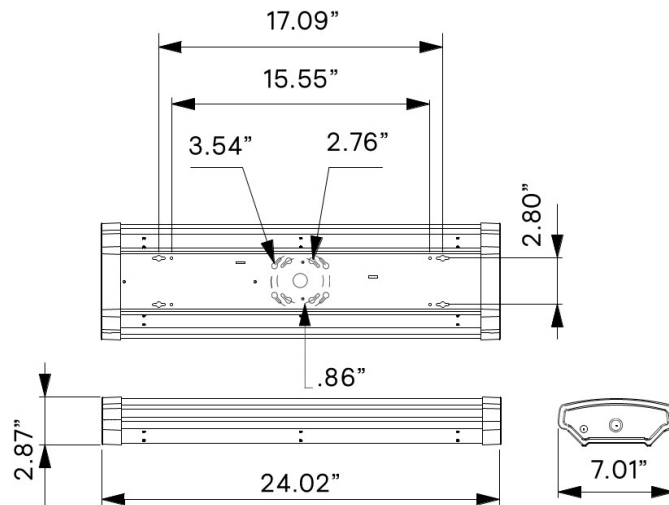
All options are factory installed.

Many luminaire components, such as reflectors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

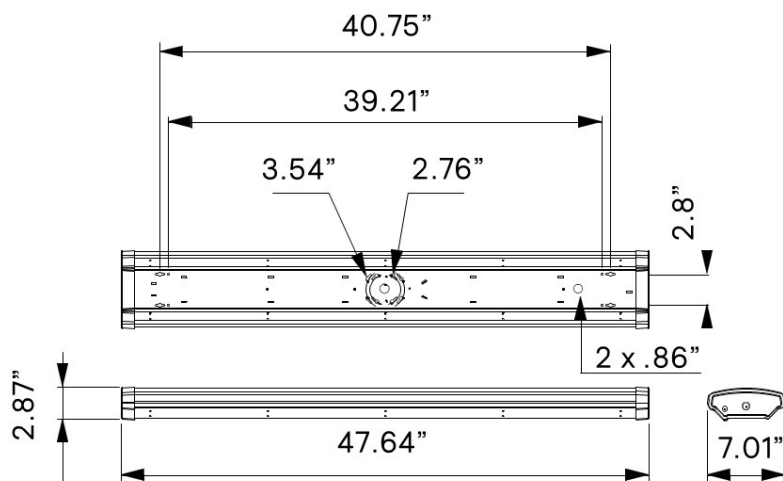
# WLS LED Wraparound

2' & 4'

## WLS 2ft



## WLS 4ft



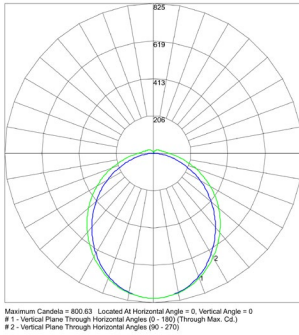
# WLS LED Wraparound

## 2' & 4'

### Photometry

#### WLS21530L8CST-UN3-DIM

|                                 |      |
|---------------------------------|------|
| Luminaire Lumens                | 2340 |
| Luminaire Efficacy Rating (LER) | 138  |
| Total Luminaire Watts           | 17   |
| Spacing Criterion (0-180)       | 1.2  |
| Spacing Criterion (0-180)       | 1.24 |



| Candela Distribution |     |      |     |      |     | Flux   |
|----------------------|-----|------|-----|------|-----|--------|
|                      | 0   | 22.5 | 45  | 67.5 | 90  | Lumens |
| 0                    | 801 | 801  | 801 | 801  | 801 |        |
| 5                    | 796 | 796  | 796 | 797  | 797 | 76     |
| 15                   | 758 | 759  | 761 | 763  | 763 | 215    |
| 25                   | 686 | 688  | 694 | 699  | 701 | 319    |
| 35                   | 588 | 593  | 603 | 614  | 618 | 377    |
| 45                   | 475 | 484  | 499 | 515  | 522 | 385    |
| 55                   | 356 | 367  | 388 | 409  | 417 | 347    |
| 65                   | 235 | 249  | 273 | 300  | 306 | 270    |
| 75                   | 117 | 134  | 160 | 193  | 197 | 171    |
| 85                   | 20  | 40   | 65  | 101  | 109 | 76     |
| 90                   | 0   | 14   | 35  | 68   | 81  |        |

| Zonal Lumen Summary |         |          |
|---------------------|---------|----------|
| Zone                | Lumens  | %Fixture |
| 0-20                | 290.09  | 12.4     |
| 0-30                | 609.54  | 26       |
| 0-40                | 986.89  | 42.2     |
| 0-60                | 1718.6  | 73.4     |
| 0-80                | 2159.43 | 92.3     |
| 0-90                | 2235.65 | 95.5     |
| 90-180              | 102.28  | 4.4      |
| 0-180               | 2340    | 100      |

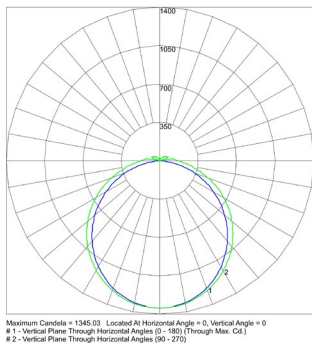
| Avg. Luminance (cd/m²) |      |      |       |
|------------------------|------|------|-------|
|                        | 0    | 45   | 90    |
| 45                     | 7061 | 7416 | 7753  |
| 55                     | 6524 | 7100 | 7635  |
| 65                     | 5849 | 6777 | 7610  |
| 75                     | 4766 | 6488 | 8008  |
| 85                     | 2454 | 7805 | 13143 |

| Coefficients of Utilization % (Based on a floor reflectance of 0.2) |     |     |     |     |     |     |     |     |     |     |    |
|---------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| RCR                                                                 | RC  |     |     | 80  |     |     | 70  |     |     | 50  | 0  |
|                                                                     | RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 50  | 30  | 10 |
|                                                                     | RCR |     |     |     |     |     |     |     |     |     |    |
|                                                                     | 0   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 109 | 109 | 96 |
|                                                                     | 1   | 107 | 102 | 97  | 93  | 104 | 99  | 95  | 94  | 91  | 88 |
|                                                                     | 2   | 97  | 89  | 82  | 76  | 94  | 86  | 80  | 82  | 77  | 72 |
|                                                                     | 3   | 89  | 78  | 69  | 63  | 86  | 76  | 68  | 72  | 66  | 60 |
|                                                                     | 4   | 81  | 69  | 60  | 53  | 78  | 67  | 59  | 64  | 57  | 51 |
|                                                                     | 5   | 74  | 62  | 52  | 46  | 72  | 60  | 52  | 58  | 50  | 44 |
|                                                                     | 6   | 69  | 55  | 46  | 40  | 67  | 54  | 46  | 52  | 45  | 39 |
|                                                                     | 7   | 64  | 50  | 41  | 35  | 62  | 49  | 41  | 47  | 40  | 34 |
|                                                                     | 8   | 59  | 46  | 37  | 32  | 58  | 45  | 37  | 43  | 36  | 31 |
|                                                                     | 9   | 56  | 42  | 34  | 28  | 54  | 41  | 34  | 40  | 33  | 28 |
|                                                                     | 10  | 52  | 39  | 31  | 26  | 51  | 38  | 31  | 37  | 30  | 25 |

\* Based on a floor reflectance of 0.2

#### WLS43153L8CST-UN3-DIM OCC

|                                 |      |
|---------------------------------|------|
| Luminaire Lumens                | 4320 |
| Luminaire Efficacy Rating (LER) | 144  |
| Total Luminaire Watts           | 30   |
| Spacing Criterion (0-180)       | 1.24 |
| Spacing Criterion (90-270)      | 1.28 |



| Candela Distribution |      |      |      |      |      | Flux   |
|----------------------|------|------|------|------|------|--------|
|                      | 0    | 45   | 90   | 135  | 180  | Lumens |
| 0                    | 1345 | 1345 | 1345 | 1345 | 1345 |        |
| 5                    | 1339 | 1339 | 1339 | 1340 | 1340 | 127    |
| 15                   | 1285 | 1290 | 1299 | 1298 | 1299 | 365    |
| 25                   | 1184 | 1194 | 1215 | 1214 | 1214 | 556    |
| 35                   | 1042 | 1057 | 1092 | 1094 | 1093 | 674    |
| 45                   | 868  | 888  | 934  | 943  | 943  | 708    |
| 55                   | 671  | 697  | 749  | 766  | 767  | 655    |
| 65                   | 456  | 487  | 543  | 569  | 573  | 523    |
| 75                   | 233  | 270  | 330  | 368  | 377  | 337    |
| 85                   | 41   | 90   | 158  | 206  | 220  | 165    |
| 90                   | 1    | 46   | 109  | 155  | 169  |        |

| Zonal Lumen Summary |         |          |
|---------------------|---------|----------|
| Zone                | Lumens  | %Fixture |
| 0-20                | 492.78  | 11.4     |
| 0-30                | 1048.5  | 24.3     |
| 0-40                | 1722.72 | 39.9     |
| 0-60                | 3086.28 | 71.4     |
| 0-80                | 3946.62 | 91.4     |
| 0-90                | 4111.63 | 95.2     |
| 90-180              | 211.96  | 4.9      |
| 0-180               | 4320    | 100      |

| Avg. Luminance (cd/m²) |      |      |      |
|------------------------|------|------|------|
|                        | 0    | 45   | 90   |
| 45                     | 6258 | 6188 | 6192 |
| 55                     | 6033 | 5942 | 5953 |
| 65                     | 5605 | 5521 | 5576 |
| 75                     | 4665 | 4785 | 5093 |
| 85                     | 2329 | 3856 | 5487 |

| Coefficients of Utilization % (Based on a floor reflectance of 0.2) |     |     |     |     |     |     |     |     |     |     |    |
|---------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| RCR                                                                 | RC  |     |     | 80  |     |     | 70  |     |     | 50  | 0  |
|                                                                     | RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 50  | 30  | 10 |
|                                                                     | RCR |     |     |     |     |     |     |     |     |     |    |
|                                                                     | 0   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 108 | 108 | 95 |
|                                                                     | 1   | 107 | 101 | 97  | 93  | 99  | 94  | 91  | 93  | 90  | 87 |
|                                                                     | 2   | 97  | 88  | 81  | 75  | 86  | 79  | 73  | 81  | 76  | 71 |
|                                                                     | 3   | 88  | 77  | 68  | 62  | 75  | 67  | 61  | 71  | 64  | 59 |
|                                                                     | 4   | 80  | 68  | 59  | 52  | 66  | 58  | 51  | 63  | 56  | 50 |
|                                                                     | 5   | 74  | 60  | 51  | 44  | 59  | 50  | 44  | 56  | 49  | 43 |
|                                                                     | 6   | 68  | 54  | 45  | 39  | 53  | 45  | 38  | 51  | 43  | 38 |
|                                                                     | 7   | 63  | 49  | 40  | 34  | 48  | 40  | 34  | 46  | 39  | 33 |
|                                                                     | 8   | 59  | 45  | 36  | 30  | 44  | 36  | 30  | 42  | 35  | 30 |
|                                                                     | 9   | 55  | 41  | 33  | 27  | 40  | 32  | 27  | 39  | 32  | 27 |
|                                                                     | 10  | 51  | 38  | 30  | 25  | 37  | 30  | 24  | 36  | 29  | 24 |

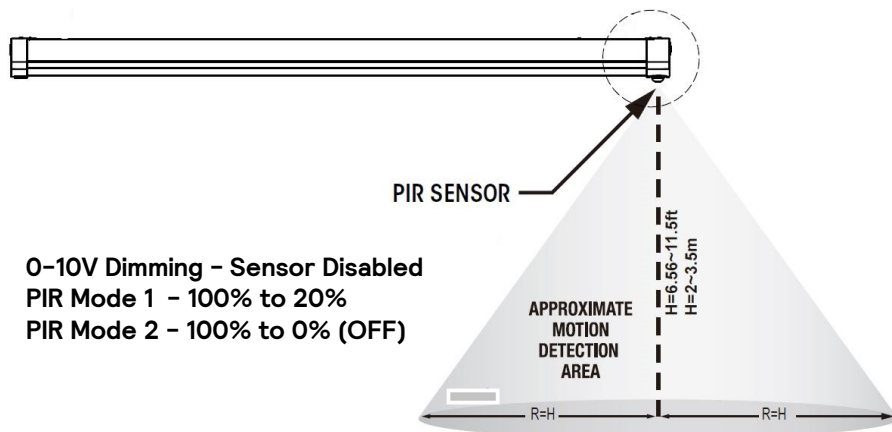
\* Based on a floor reflectance of 0.2

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## Details

### Sensor Detection



### Switch and Sensor

