



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-UN3-DIM-OCC

Family	Size	Lumens ¹ (nominal)	CST	Voltage ²	Driver	Sensor
WLS			8CST —	—	DIM	OCC
WLS Wraparound LED dual select	2 2' length 4 4' length	1530L 15/24/30lm field selectable 3153L 31/42/53lm field selectable	8CST 80 CRI, Color Select (3500/4000/5000K)	UN3 120-347V	DIM 0-10v dimming	OCC Occupancy sensor ²

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

Features

- Cold-rolled steel (SPCC), white polyester powder-coated finish
- Frosted polycarbonate lens for even, low glare lighting.
- Hardware for surface mounting included.
- Easy installation with holes provided in housing.
- Can be surface mounted on ceilings or walls or suspended via chain, pendants or cables. Pendant suspension requires junction box.
- Interconnecting wiring between two wraparound fixtures is routed through the side-cover knockout openings, enabling both power and 0-10V control wiring to pass through and be connected.
- 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

Integrate PIR occupancy sensor with three alternative settings to chose 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 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

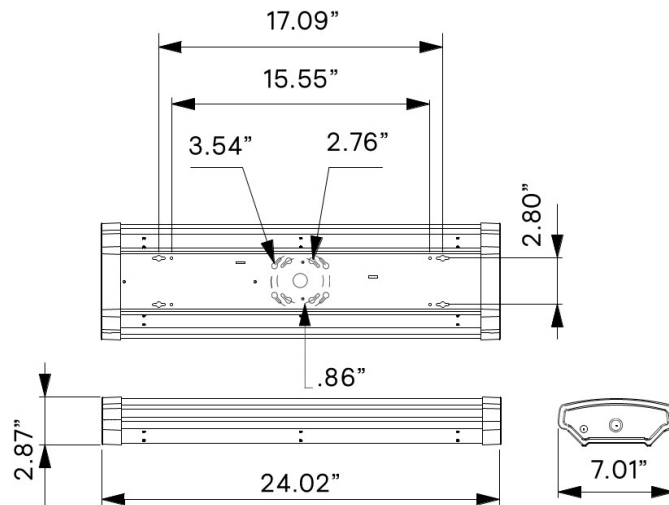
All options are factory installed.

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.

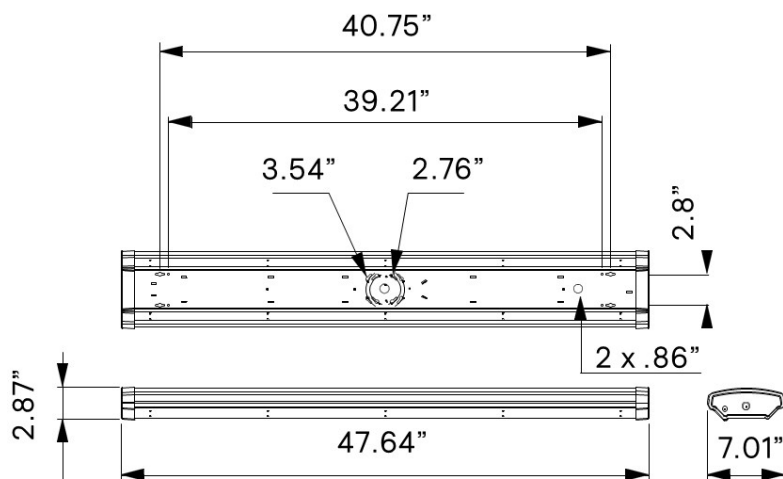
WLS LED Wraparound

2' & 4'

WLS 2ft



WLS 4ft



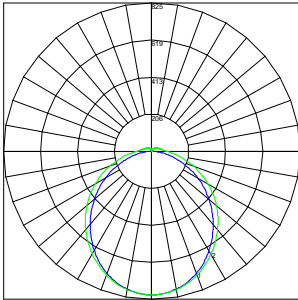
WSL LED Wraparound

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



Maximum Candela = 800.63 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

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

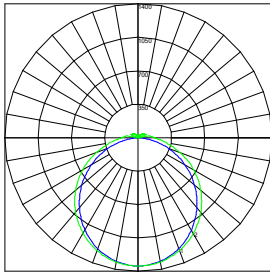
Avg. Luminance (cd/m²)			
	0	45	90
45	7061	7416	7753
55	6524	7100	7635
65	5849	6777	7610
75	4766	6488	8008
85	2454	7805	13143

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



Maximum Candela = 1345.03 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

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

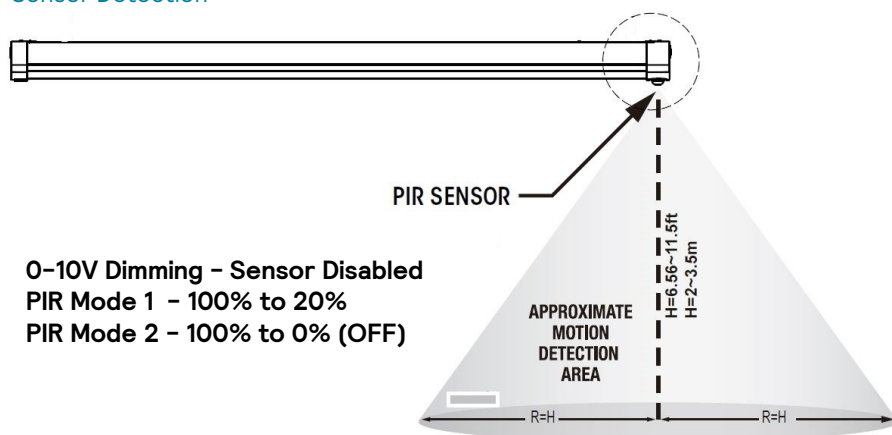
* Based on a floor reflectance of 0.2

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Details

Sensor Detection



Switch and Sensor

