



Project: _____
 Location: _____
 Cat. #: _____
 Type: _____
 Quantity: _____

LED

ECL LED Strip

Features:

- High performance LED technology
- 0-10V dimming drivers standard
- Field replaceable LED boards and drivers
- Frosted diffuser available to help minimize glare and improve aesthetics
- A wide variety of lumen packages and lengths allows for flexibility in design and helps maximize energy savings

Applications:

Suitable for most commercial, industrial and institutional applications

- Office
- Retail
- Warehouse
- Coves
- Valences

Ambient Operating Temp:

- -30°C to 40°C

Predicted L70 Lifetime:

- ≥120,000 hrs (calculated)
- >72,000 hrs (reported)
- 80% lumen maintenance @ 72,000 hrs (based on LM-80, TM-21 and in-situ laboratory testing)

Construction:

- Precision brake formed from heavy gauge cold rolled steel
- Highly durable, highly reflective white finish

Certifications:

- UL 1598 listed for US and Canada, suitable for damp locations
- DesignLights Consortium qualified on specific configurations (refer to DLC qualified products list for exact model numbers) <http://designlights.org/>

Warranty:

- 5 year limited system warranty
- see www.LumenFocus.com for complete warranty terms and conditions
- 10 year extended warranty available on specific models
(Not available on all models. Certain conditions apply. Consult factory or sales representative for details.)

10 YEAR
 EXTENDED
 WARRANTY
AVAILABLE ON
 CERTAIN MODELS



Powered by:



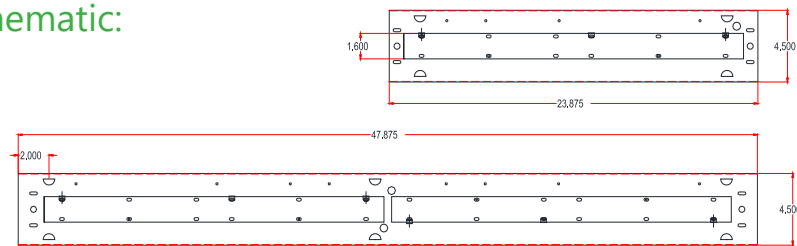
Ordering Guide:

example: ECL 4 MD UV CL 840-WG

Series	Length	Output	Voltage	Shielding	CRI/CCT	Hanging	Options
ECL							
ECL	2 3 4 6 8	LW ML MD MD HE MH HI VH	UV 34	Blank FR	835 840 850	Blank VC QC QC20 SH	Blank EXT10 C6 C10 D6 D10 P(NEMA) OS OSD OSP OSM PC WG WG(OS) SC F EM1 EM2 SDT(480V) CC BAA

Length:	2' 3' 4' 6' 8'	Options:	Blank EXT10 C6 C10 D6 D10 P(NEMA) OS OSD OSP OSM PC WG WG(OS) SC F EM1 EM2 SDT(480V) CC BAA	None 10 yr extended warranty <i>(Not available on all models. Certain conditions apply. Consult factory or sales representative for details.)</i> 6' Single Circuit Cord 10' Single Circuit Cord 6' Dual Circuit Cord 10' Dual Circuit Cord Plug (Specify NEMA configuration) Occupancy Sensor (on/off) Occupancy Sensor (on/off/dim) Occupancy Sensor with Photocell Microwave Occupancy Sensor Photocell Wire Guard Wire Guard for Occupancy Sensor Safety Cable Fuse Emergency Pack - up to 8W (120-277V / 0°C-50°C ambient) Emergency Pack - up to 16W (120-277V / 0°C-50°C ambient) 480V to 277V Step Down Transformer Conformal Coating Buy American Act Compliant
Lumen Output:	LW Low ML Medium Low (8' model only) MD Medium MD HE Medium-High Efficiency (8' model only) MH Medium High (4' & 8' model only) HI High (not available in 3' model) VH Very High (not available in 3' model)			
Voltage:	UV 120-277V 34 347V			
Shielding:	Blank None FR Frosted Acrylic			
CRI/CCT:	835 80 CRI / 3500K 840 80 CRI / 4000K 850 80 CRI / 5000K			
Hanging:	Blank None VC V-Chain Hangers QC 10' Quick Hang Cable Kit QC20 20' Quick Hang Cable Kit SH Slide Hanger			

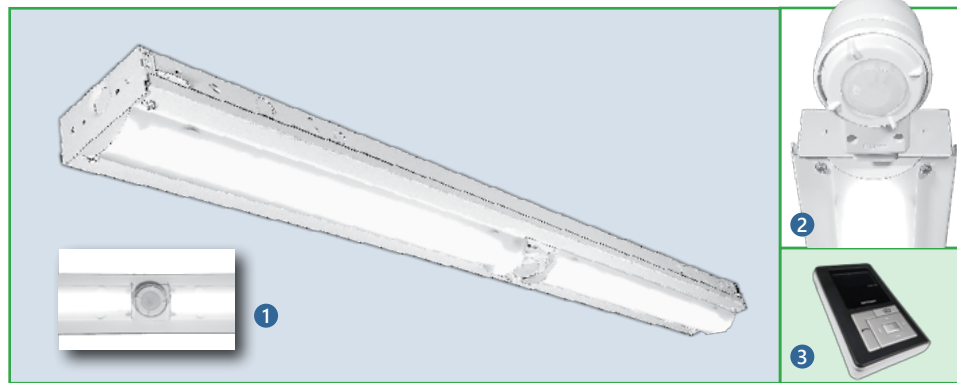
Schematic:



Performance Chart:

Catalog #	Lumens	Watts	LPW	Catalog #	Lumens	Watts	LPW	Catalog #	Lumens	Watts	LPW
ECL 2 LW UV 835	837	8	104.7	ECL 2 LW UV 840	863	8	107.9	ECL 2 LW UV 850	889	8	111.1
ECL 2 MD UV 835	1950	17.5	111.4	ECL 2 MD UV 840	2011	17.5	114.9	ECL 2 MD UV 850	2071	17.5	118.3
ECL 2 HI UV 835	3085	23	134.1	ECL 2 HI UV 840	3180	23	138.3	ECL 2 HI UV 850	3275	23	142.4
ECL 2 VH UV 835	3963	32	123.9	ECL 2 VH UV 840	4086	32	127.7	ECL 2 VH UV 850	4208	32	131.5
ECL 3 LW UV 835	1241	11	112.8	ECL 3 LW UV 840	1279	11	116.3	ECL 3 LW UV 850	1318	11	119.8
ECL 3 MD UV 835	3183	23	138.4	ECL 3 MD UV 840	3282	23	142.7	ECL 3 MD UV 850	3380	23	147.0
ECL 4 LW UV 835	2305	18	128.0	ECL 4 LW UV 840	2376	18	132.0	ECL 4 LW UV 850	2447	18	136.0
ECL 4 MD UV 835	3832	32	119.7	ECL 4 MD UV 840	3950	32	123.4	ECL 4 MD UV 850	4069	32	127.1
ECL 4 MH UV 835	4829	36	134.1	ECL 4 MH UV 840	4978	36	138.3	ECL 4 MH UV 850	5128	36	142.4
ECL 4 HI UV 835	6705	46	145.8	ECL 4 HI UV 840	6913	46	150.3	ECL 4 HI UV 850	7120	46	154.8
ECL 4 VH UV 835	8901	68	130.9	ECL 4 VH UV 840	9177	68	134.9	ECL 4 VH UV 850	9452	68	139.0
ECL 6 LW UV 835	3119	22	141.8	ECL 6 LW UV 840	3216	22	146.2	ECL 6 LW UV 850	3312	22	150.5
ECL 6 MD UV 835	6482	54	120.0	ECL 6 MD UV 840	6682	54	123.7	ECL 6 MD UV 850	6883	54	127.5
ECL 6 HI UV 835	9854	70	140.8	ECL 6 HI UV 840	10159	70	145.1	ECL 6 HI UV 850	10463	70	149.5
ECL 6 VH UV 835	12423	95	130.8	ECL 6 VH UV 840	12807	95	134.8	ECL 6 VH UV 850	13192	95	138.9
ECL 8 LW UV 835	4240	30	141.3	ECL 8 LW UV 840	4371	30	145.7	ECL 8 LW UV 850	4503	30	150.1
ECL 8 ML UV 835	6125	44	139.2	ECL 8 ML UV 840	6314	44	143.5	ECL 8 ML UV 850	6504	44	147.8
ECL 8 MD UV 835	8033	64	125.5	ECL 8 MD UV 840	8281	64	129.4	ECL 8 MD UV 850	8530	64	133.3
ECL 8 MD HE UV 835	8050	56	143.0	ECL 8 MD HE UV 840	8299	56	147.4	ECL 8 MD HE UV 850	8548	56	151.9
ECL 8 MH UV 835	10765	78	138.0	ECL 8 MH UV 840	11098	78	142.3	ECL 8 MH UV 850	11431	78	146.5
ECL 8 HI UV 835	12412	87	141.2	ECL 8 HI UV 840	12796	87	147.1	ECL 8 HI UV 850	13180	87	151.5
ECL 8 VH UV 835	17316	135	128.3	ECL 8 VH UV 840	17852	135	132.2	ECL 8 VH UV 850	18388	135	136.2
ECL 2 LW UV FR 835	804	8	100.5	ECL 2 LW UV FR 840	828	8	103.6	ECL 2 LW UV FR 850	853	8	106.7
ECL 2 MD UV FR 835	1852	17.5	105.8	ECL 2 MD UV FR 840	1910	17.5	109.1	ECL 2 MD UV FR 850	1967	17.5	112.4
ECL 2 HI UV FR 835	2960	23	128.7	ECL 2 HI UV FR 840	3052	23	132.7	ECL 2 HI UV FR 850	3143	23	136.7
ECL 2 VH UV FR 835	3804	32	118.9	ECL 2 VH UV FR 840	3921	32	122.5	ECL 2 VH UV FR 850	4039	32	126.2
ECL 3 LW UV FR 835	1191	11	108.3	ECL 3 LW UV FR 840	1228	11	111.6	ECL 3 LW UV FR 850	1265	11	115.0
ECL 3 MD UV FR 835	3055	23	132.8	ECL 3 MD UV FR 840	3150	23	136.9	ECL 3 MD UV FR 850	3244	23	141.1
ECL 4 LW UV FR 835	2212	18	122.9	ECL 4 LW UV FR 840	2280	18	126.7	ECL 4 LW UV FR 850	2349	18	130.5
ECL 4 MD UV FR 835	3640	32	115.5	ECL 4 MD UV FR 840	3752	32	119.1	ECL 4 MD UV FR 850	3865	32	122.7
ECL 4 MH UV FR 835	4635	36	128.7	ECL 4 MH UV FR 840	4778	36	132.7	ECL 4 MH UV FR 850	4921	36	136.7
ECL 4 HI UV FR 835	6436	46	139.9	ECL 4 HI UV FR 840	6635	46	144.2	ECL 4 HI UV FR 850	6834	46	148.6
ECL 4 VH UV FR 835	8543	68	125.6	ECL 4 VH UV FR 840	8807	68	129.5	ECL 4 VH UV FR 850	9071	68	133.4
ECL 6 LW UV FR 835	2994	22	136.1	ECL 6 LW UV FR 840	3086	22	140.3	ECL 6 LW UV FR 850	3179	22	144.5
ECL 6 MD UV FR 835	6221	54	115.2	ECL 6 MD UV FR 840	6413	54	118.8	ECL 6 MD UV FR 850	6606	54	122.3
ECL 6 HI UV FR 835	9457	70	135.1	ECL 6 HI UV FR 840	9750	70	139.3	ECL 6 HI UV FR 850	10042	70	143.5
ECL 6 VH UV FR 835	11923	95	125.5	ECL 6 VH UV FR 840	12292	95	129.4	ECL 6 VH UV FR 850	12660	95	133.3
ECL 8 LW UV FR 835	4070	30	135.7	ECL 8 LW UV FR 840	4195	30	139.8	ECL 8 LW UV FR 850	4321	30	144.0
ECL 8 ML UV FR 835	5878	44	133.6	ECL 8 ML UV FR 840	6060	44	137.7	ECL 8 ML UV FR 850	6242	44	141.9
ECL 8 MD UV FR 835	7709	64	120.5	ECL 8 MD UV FR 840	7948	64	124.2	ECL 8 MD UV FR 850	8186	64	127.9
ECL 8 MD HE UV FR 835	7726	56	137.3	ECL 8 MD HE UV FR 840	7965	56	141.5	ECL 8 MD HE UV FR 850	8204	56	145.7
ECL 8 MH UV FR 835	10331	78	132.5	ECL 8 MH UV FR 840	10651	78	136.6	ECL 8 MH UV FR 850	10971	78	140.6
ECL 8 HI UV FR 835	11912	87	136.9	ECL 8 HI UV FR 840	12281	87	141.2	ECL 8 HI UV FR 850	12649	87	145.4
ECL 8 VH UV FR 835	16619	135	123.1	ECL 8 VH UV FR 840	17133	135	126.9	ECL 8 VH UV FR 850	17647	135	130.7

Controls available:



1) The Wattstopper FSP sensor mounted on the LED tray. 2) The Wattstopper FSP sensor mounted on the end cap. 3) The FSIR-100 wireless configuration tool.

Occupancy Sensors (on/off/dim)

- The Wattstopper FSP sensor provides multi-level control based on motion and or/daylight contribution
- Comes either pre-installed on the end cap or on the LED tray (in the center of a 4' fixture, staggered to one side on an 8' fixture)
- Parameters adjustable via wireless configuration tool (FSIR-100 - sold separately)
- Two lenses available for the end-mounted sensor, tailored for the ideal detection area and mounting height:
 - **FSP-L2:** 360° lens, maximum coverage 48', diameter from 8' height
 - **FSP-L3:** 360° lens, maximum coverage 40', diameter from 20' height

Microwave Occupancy Sensor (OSM)

The Leviton OSM3D-V1W (or equivalent) detects motion through low density materials using high frequency electromagnetic waves. This means it can sit discretely behind the ECL's frosted lens. The OSM features automatic switching based on motion and ambient light level.



Need another option?

If you need a different control system - such as Nedap, Daintree, or another IoT-based system, just contact us. We can incorporate it.

Photometric Data:

ECL 4 MD UV 835

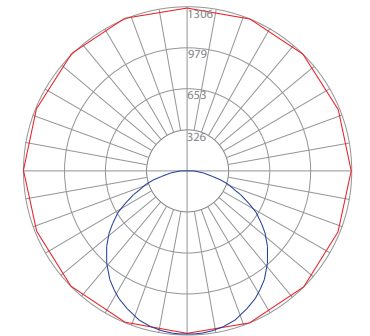
Test No.: LLIA000584-035
Luminaire Lumens: 3,832 lm
Luminaire Watts: 32.0W
Efficacy: 119.7 LPW
Spacing Criterion (0-180): 1.30
Spacing Criterion (90-270): 1.28

Luminaire Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9235	9059	8867
55	8996	8731	8490
65	8454	8006	7741
75	7075	6525	6317
85	3661	3475	3231

Coefficients Of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106		
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88		
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73		
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62		
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52		
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45		
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40		
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35		
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31		
9	56	42	34	29	55	42	34	29	41	33	28	40	33	28		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26		



— Vert. Plane
— Horiz. Cone

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20	477.46	12.50
0-30	1019.39	26.60
0-40	1681.25	43.90
0-60	3014.67	78.70
0-80	3768.32	98.30
0-90	3831.59	100.00
90-120	0.41	0.00
90-130	0.41	0.00
90-150	0.41	0.00
90-180	0.41	0.00
0-180	3832.00	100.00

Tested in accordance with IES standards utilizing absolute photometry per LM-79-08

ECL 4 MD UV FR 835

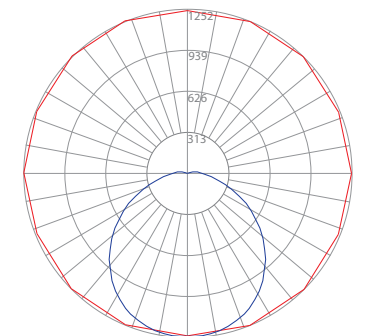
Test No.: LLIA000614-007
Luminaire Lumens: 3,683 lm
Luminaire Watts: 31.5W
Efficacy: 116.9 LPW
Spacing Criterion (0-180): 1.26
Spacing Criterion (90-270): 1.28

Luminaire Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7819	7539	7456
55	6856	6841	6847
65	5573	5936	6015
75	4180	5033	4992
85	3378	4593	4238

Coefficients Of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10		
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105		
1	108	103	98	94	105	100	96	92	95	92	89	91	88	86		
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71		
3	89	78	70	63	86	77	69	63	73	67	61	70	65	60		
4	82	69	60	54	79	68	60	53	65	58	52	62	56	51		
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44		
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39		
7	64	51	42	36	62	50	41	35	48	40	35	46	40	35		
8	60	46	38	32	58	45	37	31	44	36	31	42	36	31		
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28		
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25		



— Vert. Plane
— Horiz. Cone

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20	457.01	12.40
0-30	972.24	26.40
0-40	1591.93	43.20
0-60	2792.60	75.80
0-80	3480.09	94.50
0-90	3611.53	98.10
90-120	71.49	1.90
90-130	71.50	1.90
90-150	71.50	1.90
90-180	71.50	1.90
0-180	3683.03	100.00

Tested in accordance with IES standards utilizing absolute photometry per LM-79-08

Advanced Controls Available

We offer robust network control options and IoT compatibility with products from Magnum Energy Solutions and Leviton. Contact the factory for more info.



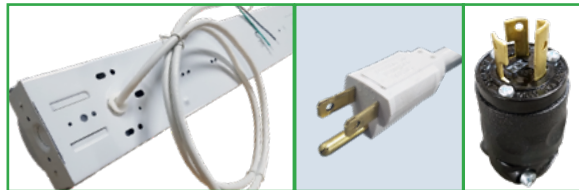
Other Options:



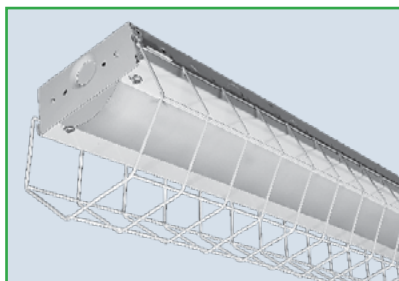
Shielding Frosted acrylic diffuser lenses minimize glare and improve aesthetics.



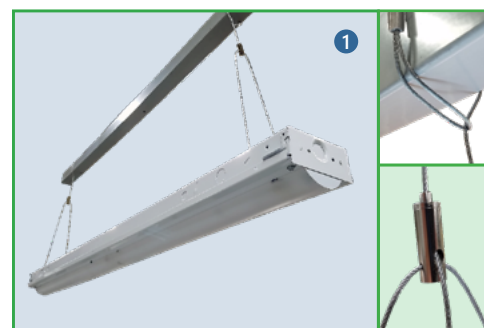
Conformal coating Grants LED boards added protection from moisture and corrosion in more hazardous environments.



Cords are available in single circuit or dual circuit, 6' or 10'. Standard plug is optional, as are other NEMA configurations if specified.



Wireguards are available for added protection (shipped separately).



Hanging The QC hanging kit (1) comes in 10' or 20'. Cables are pre-looped for easy installation and designed for easy fixture height adjustment. QCs come boxed with each fixture. V-hangers (2) and slide hangers (3) are also optional.