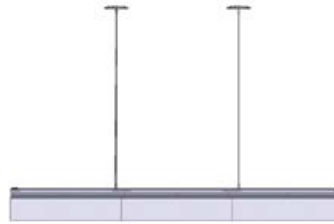


Lumination™ LED Luminaires

Linear Suspended Fixture

EL Series



Project name _____

Date _____

Type _____

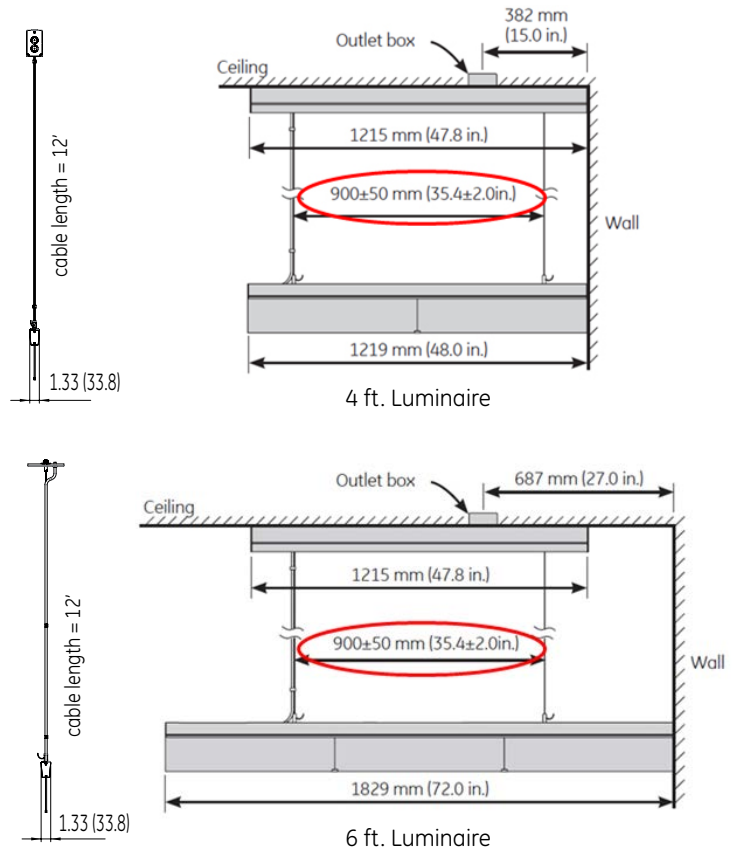
Product Description:


The Lumination Linear Suspended Luminaire is a linear, commercial pendant or track lighting fixture utilizing an advanced LED optical system to achieve excellent performance. EL Series is nearly transparent when off and has excellent uniformity and efficiency when on. The unique design incorporates a clear transition zone between the frame and light emitting portion of the fixture, making the illusion of the light floating in mid-air. The ultra-thin profile and lumen maintenance of >80% of initial lumens at 50,000 hours of operation allows for ease of installation and lower maintenance costs over time. It is suitable for indoor general lighting.

Performance Summary:

- Delivered Light Output:** 5800-6400 Lm (4'), 8700-9600 Lm (6')
- System Input Power:** 71W (4'), 104W (6')
- Efficacy:** 90 LPW (4', 4000K), 92 LPW (6', 4000K)
- Input Voltage:** 120-277V
- Standard Dimming Control:** 0-10V
- CCT:** 2700K, 3000K, 3500K, 4000K
- Typical CRI:** 82, Min CRI: 80
- Color Consistency:** 4-Step MacAdam Ellipse
- Lifetime Rating:** L85 @ 50,000 hours
- Input Frequency:** 50/60Hz
- Power Factor:** >=0.9
- THD:** < 20%
- Fixture Dimensions:** 48" (L) x 10.4" (H) x 2" (W) (1200x 265x 51mm); 72" (L) x 10.4" (H) x 2" (W) (1800x 265x 51mm)
- Light Fixture Weight (Suspension Cable Fixture):** 5.9 lbs (2.7kg) (4'); 9.9 lbs (4.5kg) (6')
- Remote Driver Enclosure:** 15" (L) x 5" (W) x 1.9" (H) (382 x 125 x 50 mm) weight 4.9 lbs (2.2kg) complies w/CCEA certification
- Surface Mount Driver Enclosure:** 48" (L) x 2.16" (W) x 3.58" (H) (1217x 55 x 91 mm)
- Mounting:** Suspension Cables w/ Remote Driver Enclosure, Suspension Cables w/ Surface Mount Driver Enclosure
- Limited Warranty:** 5 years
- Files Available:** LM79, LM80, IES, DWG & LDT
- IK Code:** IK3
- IP Rating:** IP30
- Operating Conditions:** -10° to 40°C

Product Dimensions:



Listed by: 

a product of **ecomagination™**

Ordering Information:

INTERNAL CODE	FIXTURE TYPE (NOMINAL)	VOLTAGE	OPTICAL CODE (SEE CHART)	MOUNTING	CONTROLLER	FINISH	OPTIONS
E = Edgelit L = Linear	04 = 4' (1200mm) 06 = 6' (1800mm)	0 = 120-277V (UL version) D = 347V		C = Cable Suspension - Concealed PSU G = Cable Suspension - Surface Mount PSU	V = 0-10V	WHITE = White	Blank if no options *E = Lutron Ecosystem Module (integrated into luminaire) Contact your local GE representative for special orders and product modifications.

OPTICAL CODE	DISTRIBUTION	CRI	COLOR TEMP (K)	TYPICAL LUMENS (4')	TYPICAL LUMENS (6')	SYSTEM WATTAGE (6')	ACCESSORIES	PRODUCT CODE	DESCRIPTION CODE
A1	Medium	80	3000	6,500	9,600	104 W	Lumination Suspended Slanted Ceiling Mount Kit	67652	GESK01
A2	Medium	80	3500	6,900	10,200	104 W	Lumination Suspended Seismic Bracing Kit	67653	GESK02
A3	Medium	80	4000	6,500	9,600	104 W	Lumination Suspended Standard Canopy Kit Replacement	67654	GESK03
A4	Medium	80	2700	6,200	9,300	104 W			

* UL Version only

current
powered by GE



Photometric Data: Lumination™ Linear Suspended Fixture EL Series 4' @ 4000K

LUMINANCE DATA			
ANGLE	0°	45°	90°
45°	289884	15443	10714
55°	209233	9578	6306
65°	112991	5942	3698
75°	59104	3785	2132
85°	37231	2563	1302

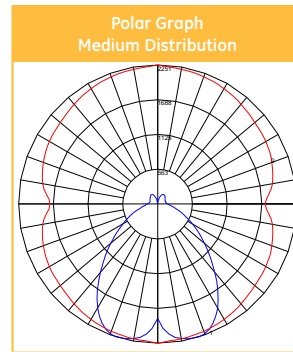
ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	193.98
10-20	587.04
20-30	890.69
30-40	999.98
40-50	918.29
50-60	730.74
60-70	524.28
70-80	361.00
80-90	252.01
90-100	197.17
100-110	173.69
110-120	158.90
120-130	142.96
130-140	119.83
140-150	86.59
150-160	46.94
160-170	14.81
170-180	1.22

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%			0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	116	116	116	116	111	111	111	111	103	103	103	95	95	95	89	89	89	85
1	105	100	96	92	101	96	92	89	89	86	83	83	81	78	77	75	73	70
2	96	88	81	75	92	85	78	73	79	74	69	73	69	66	68	65	62	59
3	88	77	70	63	84	75	68	62	70	64	59	65	60	56	61	57	53	50
4	80	69	60	54	77	67	59	53	62	56	51	58	53	48	55	50	46	44
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	49	45	41	38
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	34
7	64	51	42	36	61	49	41	36	46	40	35	44	38	33	41	36	32	30
8	59	46	38	33	57	45	37	32	43	36	31	40	34	30	38	33	29	27
9	56	43	35	29	53	41	34	29	39	33	28	37	31	27	35	30	26	24
10	52	39	32	27	50	38	31	26	36	30	26	35	29	25	33	28	24	22

NOTE: Floor Cavity Reflectance: 20%

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of FIXTURE
0-20	781.02	N.A.	12.20
0-30	1671.71	N.A.	26.10
0-40	2671.69	N.A.	41.70
0-60	4320.72	N.A.	67.50
0-80	5206.01	N.A.	81.30
0-90	5458.02	N.A.	85.30

Total Luminaire Efficiency = N.A.%



Product Specifications:

Optical System:

Delivers superior performance and greater control of how the light is distributed. EL Luminaire is nearly transparent when off and has excellent uniformity and efficiency when on. EL Series helps to create a space that feels brighter, cleaner and more modern.

- Precision formed optical assembly comprised of injection molded high specularly reflectors, and a conformal transmissive lens
- High optical grade acrylic providing good efficiency and impact resistance
- LED light engine consists of a precision aluminum heat sink, a Metal Core Printed Circuit Board Assembly (MCPCB)
- Luminance Uniformity: 2:1 max to min
- No visible diodes

Construction:

- Durable, long lasting designer aluminum frame
- IP Rating: IP30
- Impact Resistance: IK=3

MAXIMUM DRIVER REMOTE MOUNTING DISTANCE	
Supply Wire Gauge	Wire Length*
18 AWG (0.82 mm ²)	59.0ft (18m)
16 AWG (1.31 mm ²)	98.4ft (30m)
14 AWG (2.08 mm ²)	154.2ft (47m)
12 AWG (3.31 mm ²)	249.3ft (76m)

* Includes fixture's 11.5ft (3.5m) power cord

Electrical System:

- Class 1, high efficiency LED driver rated for 100,000 hours when used within operating conditions.
- Audible Noise – Per 29CFR 1910 sub part G: <24 dba (1 foot)
- Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions
- Transient Protection: 100 kHz ring wave, 2.5 kV level
- Environmental Testing: High Temperature High Humidity: 60°C / 90% (non-condensing)
- Electronic Vibration Testing: Multi Axis, Random Vibration Profile: 2-2000 Hz, 5Gs on electronics

Installation:

- Mounting Choices:
 - Suspension Cables w/ Remote Driver Enclosure* (canopy kit included)
 - Suspension Cables w/ Surface Mount Driver Enclosure
- Luminaire Vibration Testing: Luminaire test to 0.5g with 100,000 cycles, 2 axis

For more information and access to all of our resources, including our design tool visit: www.currentbyge.com



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