

Lumination™ LED Luminaires

Circular Suspended Fixture
EP Circular Series



Project name _____

Date _____

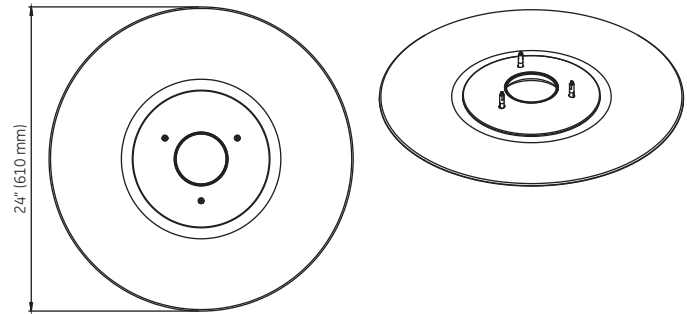
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Product Description:

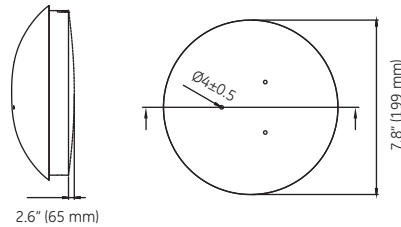
The Lumination™ circular luminaire is a commercial pendant lighting fixture utilizing an advanced LED optical system to achieve exceptional performance. The luminaire is nearly transparent when off, and excellent uniformity and efficiency when on. The unique design incorporates a clear transition zone 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 improved lumen maintenance of >80% of initial lumens at 50,000 hours of operation, allows for each of installation and lower maintenance costs over time. It is suitable for indoor general lighting.

Product Dimensions:

Light Engine Diameter: 24" (610 mm)
Aircraft Suspension Cables: 72" (1830 mm)
Canopy Diameter: 199 mm, height 65 mm



Ceiling Canopy



Performance Summary:

Delivered Light Output: 3600-4000 Lm

System Input Power: 38 W

Efficacy: 90 LPW

Input Voltage: 120-277V

Standard Dimming Control: 0-10V

CCT: 3000K, 3500K, 4000K

Typical CRI: 80

Color Consistency: 4-Step MacAdam Ellipse

Lifetime Rating: L85 @ 50,000 hours

Input Frequency: 50/60Hz

Power Factor: >0.9

THD: <20%


Mounting: Powered Suspension Cables with Canopy Mounting Driver.

Canopy secures to standard 3.5" octagonal junction box. **Warranty:**

5 years

Future Weight: 2.7 kg

Operating Conditions: -10° C to 40° C

Listed by: 

Ordering Information:

E P C 2 0 C V W H T E

INTERNAL CODE	FIXTURE TYPE (NOMINAL)	VOLTAGE	OPTICAL CODE	MOUNTING	CONTROLLER	FINISH	OPTIONS
E = EdgeLit P = Pendant	C2 = Circular	0 = 120-277V (UL Version)		C = Cable Suspension	V = 0-10V	W H T E = White	Blank if no options

DIMENSION	OPTICAL CODE	DISTRIBUTION/ CONFIGURATION	CCT	CRI	TYPICAL LUMENS	POWER
2 FT	A1	Medium, Medium Efficacy	3000	80	3600	38W
2 FT	A2	Medium, Medium Efficacy	3500	80	3800	38W
2 FT	A3	Medium, Medium Efficacy	4000	80	4000	38W

current
powered by GE



Photometric Data: EP Circular Series

EP-R-0-A3-V-WHITE

CANDLEPOWER SUMMARY			
Angle	0°	45°	90°
45°	4049	4599	4914
55°	4069	4965	5161
65°	4086	5225	5169
75°	4051	5152	4189
85°	3632	2252	2032

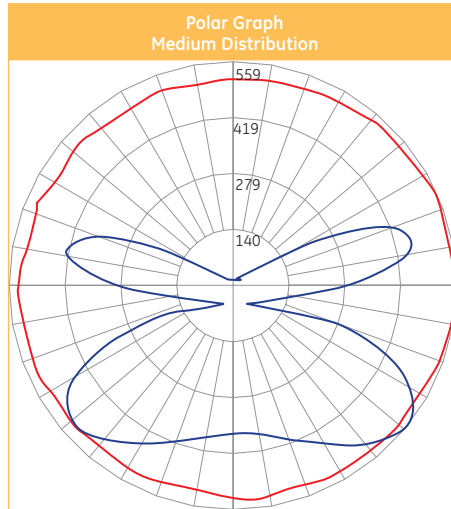
ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	35.69
10-20	111.38
20-30	199.53
30-40	303.00
40-50	407.61
50-60	472.06
60-70	443.48
70-80	296.16
80-90	90.27
90-100	186.65
100-110	420.30
110-120	441.37
120-130	292.78
130-140	147.07
140-150	78.27
150-160	44.90
160-170	22.48
170-180	7.02

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%	50%	30%	10%	0%
0	109	109	109	102	102	102	88	88	76	76	76	64	64	59	101	101	101	101	101	101	99
1	93	88	84	91	83	79	75	72	64	62	60	52	51	46	87	85	83	80	80	80	80
2	79	72	66	81	67	62	64	59	54	50	47	43	40	36	75	71	68	65	65	65	65
3	68	60	53	73	56	50	55	49	46	42	38	35	32	28	66	61	56	54	54	54	54
4	59	50	43	66	47	41	48	41	40	35	31	30	27	23	58	52	48	45	45	45	45
5	52	43	36	60	40	34	42	35	36	30	26	25	22	19	52	46	41	39	39	39	39
6	46	37	31	55	35	29	37	30	32	26	22	22	19	16	47	40	36	33	33	33	33
7	41	32	26	51	31	25	33	27	28	23	19	19	16	13	42	36	31	29	29	29	29
8	37	29	23	47	27	22	30	24	26	20	17	17	14	12	39	32	28	26	26	26	26
9	34	26	20	43	24	19	27	21	23	18	15	15	12	10	36	29	25	23	23	23	23
10	31	23	18	41	22	17	25	19	21	16	13	14	11	9	33	27	22	21	21	21	21

NOTE: Floor Cavity Reflectance : 20%

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	147.07	N.A.	3.70
0-30	346.60	N.A.	8.70
0-40	649.60	N.A.	16.20
0-60	1529.26	N.A.	38.20
0-80	2268.9	N.A.	56.70

Total Luminaire Efficiency = N.A.%



Product Specifications:

Construction:

- Fully recyclable heatsink
- IP Rating: IP20
- Impact Resistance: IK=2

Electrical System:

- Class 2, replaceable, high efficiency LED driver rated for 50,000 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
- THD: <20%
- Transient Protection: 100 kHz ring wave, 2.5 kV level
- Electronic Vibration Testing: Multi Axis, Random Vibration Profile: 2-2000 Hz, 5Gs on electronics

Installation:

- Surface-mount ceiling canopy mounts to standard recessed 3 1/2" octagonal junction box.
- Driver is contained within the surface mount ceiling canopy
- Mounting height is adjustable in the field during installation

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



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