

# Technical Information Bulletin

## LED Ceiling Luminaire



Date: \_\_\_\_\_ Name of distributor: \_\_\_\_\_  
In hands date of project: \_\_\_\_\_ Client #: \_\_\_\_\_  
Project name/Number: \_\_\_\_\_ Name of end user: \_\_\_\_\_

### ORDERING INFORMATION

Order code: 68021  
Description: CLBN8-R13W-A/30K  
UPC: 69549013551  
Master box quantity 12



### PHYSICAL DATA

Size in. (mm) : 7" 7/8 (200 mm)  
Shape: Round  
Type: Ceiling luminaire  
Finish: Brushed Nickel  
Lens Material: Frosted Polycarbonate  
Mounting: Junction Box

### PERFORMANCE DATA

Watts(W): 13  
Volts(VAC): 120  
Color temp. (K): 3000  
Lumen output (lm): 921  
Lumen per Watts (lm/W) 71  
CRI: 80+  
Life L70 (h): 50 000  
Beam angle (°): 120  
THD(%): <20  
Power factor: 0.9+  
Frequency (Hz): 60  
Operating temp. range: -20 °C to 45 °C / -4 °F to 113 °F  
Dimmer type: Phase-cut dimming/forward phase



CAN ICES-005 (B) / NMB-005 (B) - This lighting equipment complies with Canadian standard ICES-005 for use in residential applications.  
For a complete list of ENERGY STAR qualified products, please visit [www.standardpro.com](http://www.standardpro.com)

### COMPATIBLE DIMMERS

Brand	Model
LEVITON	IPLO6, 6672,6674,DLS06-1LZ
LUTRON	TGCL-153P ,MACL-153M,CTCL-153P, PD-6WCL

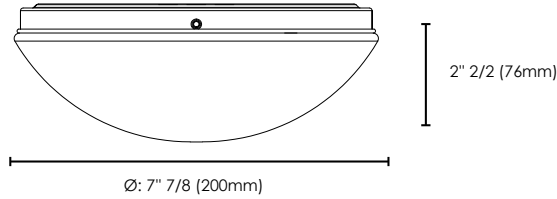
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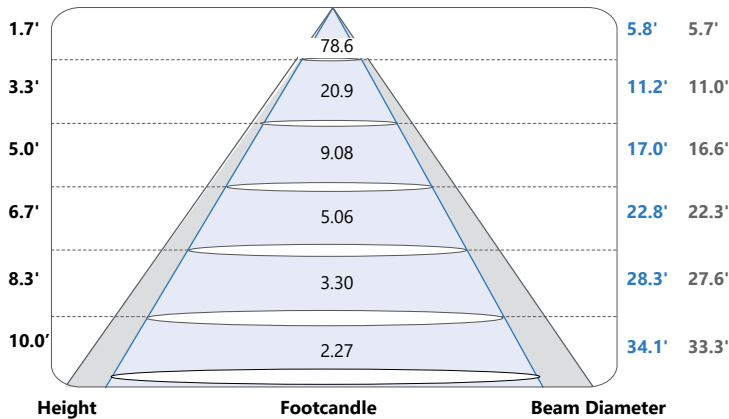
### TECHNICAL DRAWINGS AND DIMENSIONS

**Diameter:** 7" 7/8 (200 mm)  
**Height:** 2" 2/2 (76mm)

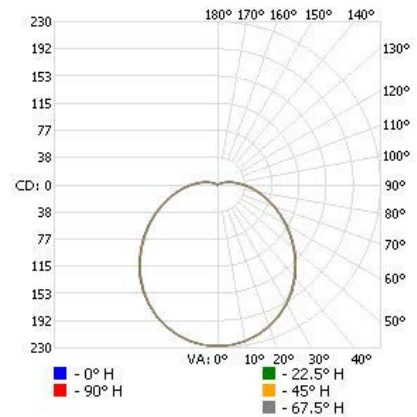


### BEAM SPREAD\*

Vertical spread - 119.2°  
 Horizontal spread - 118.0°



### CANDELA DISTRIBUTION\*



### COEFFICIENTS OF UTILIZATION (ZONAL CAVITY METHOD)\*

Coefficients of Utilization - Zonal Cavity Method																		
Effective Floor Cavity Reflectance: 20%																		
RCC %:	80				70				50				0					
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.17	1.17	1.17	1.17	1.14	1.14	1.14	.93	1.07	1.07	1.07	1.01	1.01	1.01	.96	.96	.96	.93
1	1.05	.99	.94	.89	1.01	.96	.91	.74	.90	.87	.83	.85	.82	.79	.81	.78	.76	.73
2	.95	.85	.78	.71	.91	.83	.76	.61	.78	.72	.67	.74	.69	.64	.70	.66	.62	.59
3	.86	.74	.65	.58	.83	.72	.64	.51	.68	.61	.55	.64	.58	.54	.61	.56	.52	.49
4	.78	.65	.56	.49	.75	.64	.55	.43	.60	.53	.47	.57	.51	.45	.54	.49	.44	.42
5	.72	.58	.49	.42	.69	.57	.48	.38	.54	.46	.40	.51	.44	.39	.48	.43	.38	.36
6	.66	.52	.43	.36	.64	.51	.42	.33	.48	.41	.35	.46	.39	.34	.44	.38	.33	.31
7	.61	.47	.38	.32	.59	.46	.38	.29	.44	.36	.31	.42	.35	.30	.40	.34	.29	.27
8	.57	.43	.34	.28	.55	.42	.34	.26	.40	.33	.27	.38	.32	.27	.37	.31	.26	.24
9	.53	.40	.31	.25	.51	.39	.31	.23	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22
10	.50	.36	.28	.23	.48	.36	.28	.21	.34	.27	.22	.33	.26	.22	.31	.26	.22	.20

### ZONAL LUMEN SUMMARY\*

Zone	Lumens	% Fixture
0-30	177.1	22.1%
0-40	291.0	36.4%
0-60	523.6	65.4%
60-90	222.4	27.8%
70-100	157.8	19.7%
90-120	53.1	6.6%
0-90	746.0	93.2%
90-180	54.5	6.8%
0-180	800.5	100%

\*Complete IES files available on our website

Qty	Description	Price

I accept the specifications of the luminaire configuration mentioned above.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_