

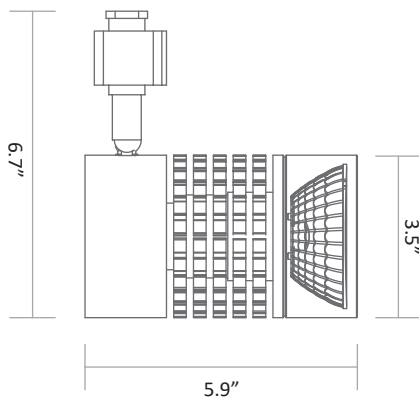
LED ROUND TRACK LIGHT BOL-ETL-R

DESCRIPTION

Offering high-quality, flexible and directional accent lighting in clothing stores, shops, galleries, museums and homes, Blue Ocean's BOL-ETL-R-15W LED Round Track Light series is energy-efficient, cost-saving and eco-friendly, uniquely designed in elegant cylinder shape in white, silver or black. Engineered with superior CREE COB chip, this track light series is assured of outstanding luminous efficiency, colour efficiency and extremely low lumens depreciation. Advanced dimmable LED driver is utilized allowing smooth dimming range from 10% to 100%. No shadow, no flickering, instant start and excellent penetrability are guaranteed by the advanced LED technology applied, with flexible design allowing the freedom to swivel and turn 350° horizontally and 90° vertically and beam angle available from 15° to 60°. High-efficient thermal control system allows LED source to consistently run cooler and reach its optimal performance.



DRAWING



SPECIFICATION CHART

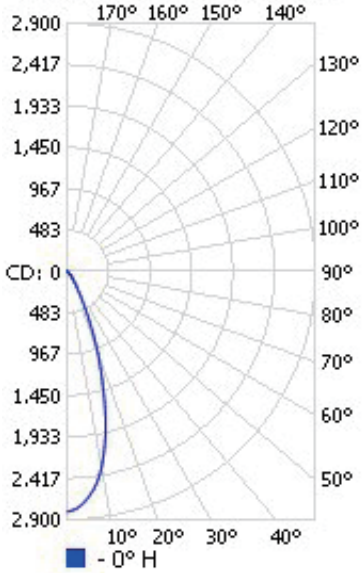
Model	BOL-ETL-R-15W
Voltage	120VAC 100-277VAC
Wattage	15W
Replacement	100W Halogen
Lumen Output	1260lm
CRI	80
PFC	0.95
CCT	2700K 3000K 4000K 5000K
Beam Angle	38° 60°
Finish	White Black Silver
Operating Temp.	-20~40°C

ORDERING INFORMATION

Series No. BOL-ETL-R	Wattage 15W=15W	Voltage U=100-277VAC/120VAC	CCT 27=2700K 30=3000K 40=4000K 50=5000K	Beam Angle 38=38° 60=60°	Dimming TD=Triac Dimming N=Non-dimmable	Track Adapter H=H-Type J=J-Type L=L-Type	Finish WHT=White BLK=Black SIL=Silver
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PHOTOMETRIC SPEC

Polar Candela Distribution



BLUE OCEAN LIGHTING™

BOLETLR15W 38°

10' Mounting Height

Illuminance at a Distance

	Center Beam LUX	Beam Width	
1.7ft	10,487 LUX	1.1 ft	1.1 ft
3.3ft	2,783 LUX	2.1 ft	2.1 ft
5.0ft	1,212 LUX	3.1 ft	3.1 ft
6.7ft	675 LUX	4.2 ft	4.2 ft
8.3ft	440 LUX	5.2 ft	5.2 ft
10.0ft	303 LUX	6.2 ft	6.2 ft

■ Vert. Spread: 34.6°
■ Horiz. Spread: 34.6°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80			70			50			30			10			0		
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.05	1.05	1.05	1.05	1.03	1.03	1.03	.88	.98	.98	.98	.94	.94	.94	.90	.90	.90	.88
1	1.01	.98	.96	.95	.99	.97	.95	.84	.93	.92	.90	.90	.89	.88	.87	.86	.85	.83
2	.96	.92	.89	.86	.94	.91	.88	.79	.88	.86	.84	.86	.84	.82	.83	.82	.80	.79
3	.92	.87	.83	.80	.91	.86	.82	.75	.84	.81	.78	.82	.79	.77	.80	.78	.76	.75
4	.88	.82	.78	.75	.87	.82	.78	.72	.80	.76	.74	.78	.75	.73	.76	.74	.72	.71
5	.85	.78	.74	.70	.83	.78	.73	.68	.76	.72	.70	.75	.71	.69	.73	.71	.68	.67
6	.81	.75	.70	.67	.80	.74	.70	.65	.73	.69	.66	.71	.68	.66	.70	.67	.65	.64
7	.78	.71	.67	.63	.77	.71	.66	.62	.70	.66	.63	.69	.65	.63	.68	.65	.62	.61
8	.75	.68	.64	.60	.74	.68	.63	.60	.67	.63	.60	.66	.62	.60	.65	.62	.60	.59
9	.73	.65	.61	.58	.72	.65	.61	.57	.64	.60	.58	.63	.60	.57	.63	.60	.57	.56
10	.70	.63	.58	.55	.69	.62	.58	.55	.62	.58	.55	.61	.58	.55	.61	.57	.55	.54

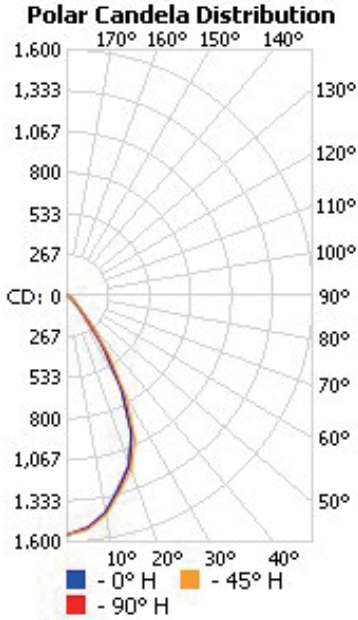
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	984.2	73.8%	83.5%
0-40	1,088.4	81.6%	92.4%
0-60	1,156.1	86.7%	98.1%
60-90	22.0	1.6%	1.9%
70-100	6.9	0.5%	0.6%
90-120	0	0%	0%
0-90	1,178.1	88.3%	100%
90-180	0	0%	0%
0-180	1,178.1	88.3%	100%

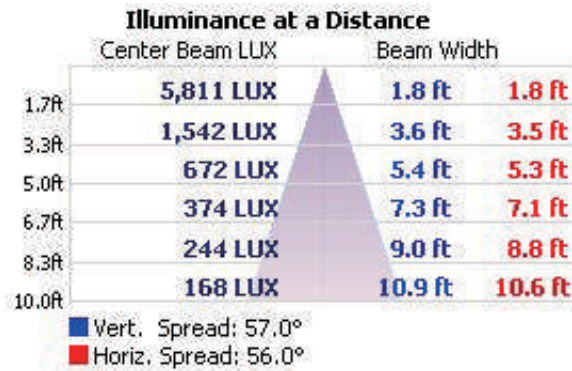
Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	245.9	20.9%	90-100	0	0%
10-20	465.9	39.5%	100-110	0	0%
20-30	272.4	23.1%	110-120	0	0%
30-40	104.2	8.8%	120-130	0	0%
40-50	43.7	3.7%	130-140	0	0%
50-60	24.0	2.0%	140-150	0	0%
60-70	15.1	1.3%	150-160	0	0%
70-80	6.3	0.5%	160-170	0	0%
80-90	0.6	0.1%	170-180	0	0%

PHOTOMETRIC SPEC



BLUE OCEAN LIGHTING™
BOLETLR15W 60°
 10' Mounting Height



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80		70		50		30		10		0							
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	.98	.98	.98	.98	.96	.96	.96	.82	.91	.91	.91	.87	.87	.87	.84	.84	.84	.82
1	.93	.91	.89	.87	.91	.89	.87	.77	.86	.84	.83	.83	.81	.80	.80	.79	.78	.76
2	.88	.84	.81	.78	.86	.83	.80	.71	.80	.78	.75	.78	.76	.74	.75	.74	.72	.71
3	.84	.78	.74	.71	.82	.77	.73	.66	.75	.72	.69	.73	.70	.68	.71	.69	.67	.66
4	.79	.73	.68	.65	.78	.72	.68	.62	.70	.66	.64	.69	.65	.63	.67	.64	.62	.61
5	.75	.68	.63	.60	.74	.67	.63	.58	.66	.62	.59	.65	.61	.58	.63	.60	.58	.57
6	.71	.64	.59	.55	.70	.63	.59	.54	.62	.58	.55	.61	.57	.54	.60	.56	.54	.53
7	.68	.60	.55	.51	.67	.59	.55	.50	.58	.54	.51	.57	.54	.51	.57	.53	.50	.49
8	.65	.57	.52	.48	.64	.56	.51	.47	.55	.51	.48	.54	.50	.48	.54	.50	.47	.46
9	.61	.53	.48	.45	.61	.53	.48	.44	.52	.48	.45	.51	.48	.45	.51	.47	.45	.43
10	.59	.50	.46	.42	.58	.50	.45	.42	.49	.45	.42	.49	.45	.42	.48	.45	.42	.41

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	931.1	57.5%	69.9%
0-40	1,191.0	73.5%	89.4%
0-60	1,306.2	80.6%	98%
60-90	26.2	1.6%	2%
0-90	1,332.4	82.2%	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	141.2	10.6%
10-20	359.8	27.0%
20-30	430.0	32.3%
30-40	260.0	19.5%
40-50	82.6	6.2%
50-60	32.6	2.4%
60-70	17.8	1.3%
70-80	7.1	0.5%
80-90	1.3	0.1%