Bollard Series

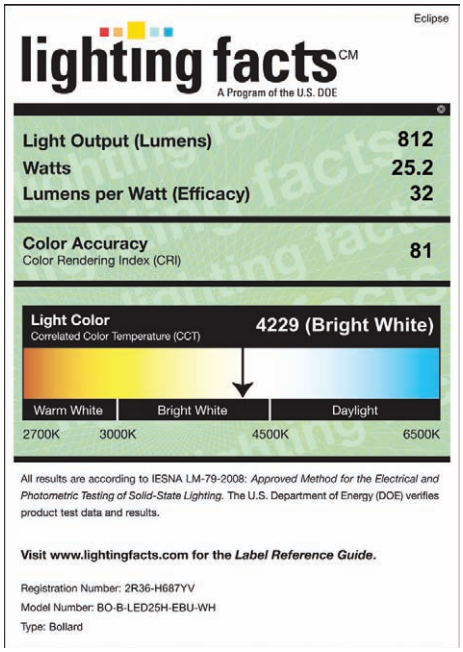
AREA/PARKING/INDUSTRIAL

360° LOW-LEVEL LIGHTING
ENERGY-SAVING "GREEN" LED

We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

LED technology is advancing. Consult Factory or website for periodic updates as additional wattages with higher efficacy may be available.

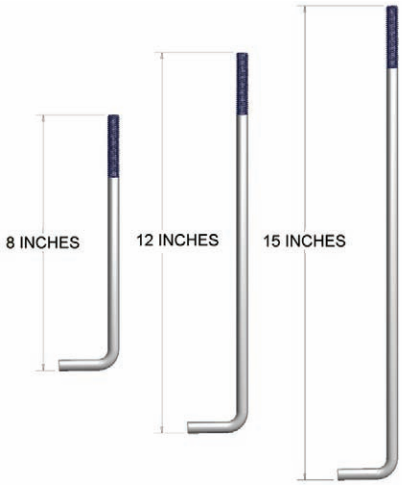


LM80 tested chips from Nichia, Lumileds, Cree, Osram and Bridgelux are used in all Eclipse Lighting LED fixtures.

SPECIFICATIONS

- **CERTIFICATIONS —** UL/ULC Listed to U.S. and Canadian safety standards. Complies to UL 1598 / CSA c22.2 No. 250-0-00. Wet Location Listed. LM79 Certified.
- **DRIVER —** Universal 120 thru 277 input voltage. Delivers 1400 milliamps of regulated Direct Current (DC) output to power LED Array.
- **ELECTRICAL —** Line Side, Three Pole Power Disconnects provided with Luminaire for simplified branch wiring. Optional Fusing available.
- **FINISH —** Fixture housing and domed top finished in Textured Bronze, oven baked polyester powder coat finish. Optional colors available.
- **GASKETING —** High Temp., NON-aging solid core silicone gasket rings seal lens to extruded housing and domed top, to protect against environmental contaminants.
- **HOUSING —** Extruded aluminum housing with flush mounting base and domed Top.
- **INTERNAL REFRACTOR —** IES Type V Clear Prismatic Borosilicate Glass Refractor.
- **LAMP —** 25 Watt, 4K White LED.
- **LENS FRAME FASTENERS —** Three Stainless Steel Hex set screws secure lens assembly to fixture housing.
- **MOUNTING —** Flush Mounting Base uses three 4″ long concrete anchor bolts and positioning bracket included with luminaire. Optional: 8″ (BAN8),12″ (BAN12) and 15″ (BAN15) long anchor bolts available.
- **OUTER LENS —** Clear Cast Polycarbonate Outer Lens
- **POWER FACTOR —** LM79 Certified (95.5%)

Anchor Bolt Assembly.



Optional BAN8, BAN12 and BAN15

ORDERING GUIDE:

SERIES	OPERATING WATTS	COLOR TEMP	VOLTAGE	FINISH	OPTIONS
BO-R	25.2	4229K	EBU		

BK = Black Finish
BZ = Bronze Finish
CC = Custom Color Finish (Consult Factory)
WH = White Finish

BAN4 = Mounting Kit: Bracket, (3) 4″ Anchor Bolts STANDARD
BAN8 = Mounting Kit: Bracket (3) 8″ Anchor Bolts
BAN12= Mounting Kit: Bracket (3) 12″ Anchor Bolts
BAN15= Mounting Kit: Bracket (3) 15″ Anchor Bolts
FUS = Single Fusing
SG = 10KV Surge Protection (meets ANSI spec C62.41.2)

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PHOTOMETRIC DATA:

Bollard Series

Tested Using the IES LM79 Standards

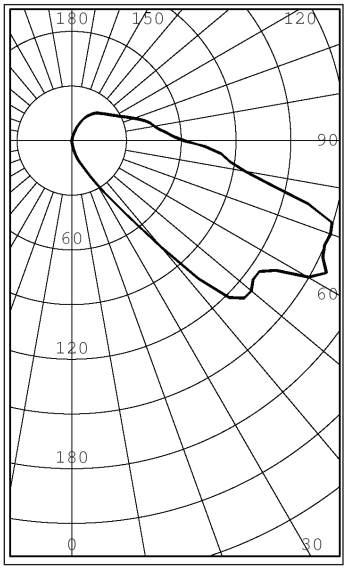
ITL test # 26551 BL-BLED25H-EBU-WH
with interior glass retractor
and clear plastic cylinder lens

Test Date: 01/20/2010

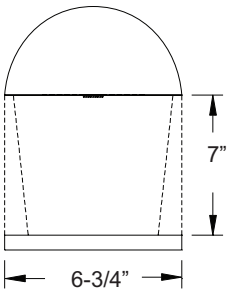
Coefficients of Utilization

Room Cavity Ratio	PCC>	90%			70%			50%	
	PW>	70%	50%	30%	70%	50%	30%	50%	30%
	0	119	119	119	108	108	108	98	98
	1	103	95	88	92	86	80	77	72
	2	90	78	67	80	69	61	62	55
	3	79	64	52	70	57	47	51	42
	4	71	55	42	62	49	39	43	34
	5	64	46	35	55	41	31	36	27
	6	58	40	29	50	35	25	31	22
	7	52	35	24	45	31	21	27	18
	8	47	30	20	42	27	18	24	16
	9	44	27	17	38	24	15	21	13
	10	40	25	14	35	21	13	19	11

Rm. Percentage = 20%; PCC = Ceiling Reflectance; PW = Wall Reflectance



POWER FACTOR	**95.5%**
LUMENS *(Light Output)*	**812**
WATTS	**25.2 (at test)**
EFFICACY *(Lumens per Watt)*	**32.2**
CRI *(Color Rendering Index)*	**81.2**
CCT *(Correlated Color Temp.)*	**4229K**



Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-30	11	1.41
0-40	41	5.09
0-60	247	30.45
0-90	622	76.67
40-90	581	71.58
60-90	375	46.22
90-180	189	23.33
0-180	812	100.00

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