

BLD Series

Round & Square Bollards
Lumen & CCT Selectable

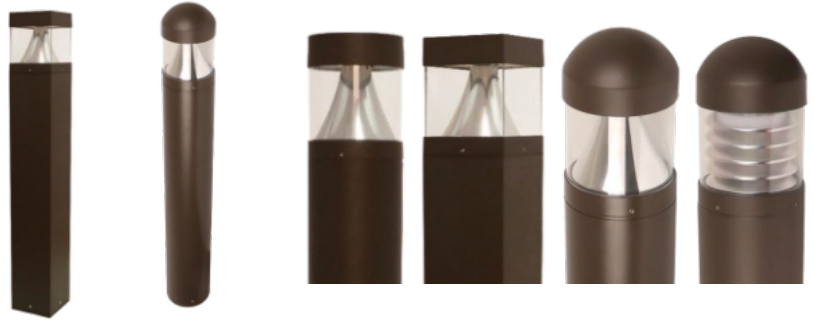


Project:	
Type:	
Catalog # :	

FME Lighting | 877 - 234 - 8460 | info@fmelighting.com



IP65



SPECIFICATIONS

VOLTAGE	120-277V AC, 50-60Hz
OUTPUT	905 To 3,296 Nominal Lumens 69 to 148 lumens per watt (lm/W)
COLOR TEMP	Field selectable: 3000K, 4000K, 5000K (Contact factory for other options)
OPERATING TEMP	-40°C to 55°C (-40°F to 131°F)
HOUSING	Cast aluminum housing; dark bronze or black powder coat finish
LENS	High-impact polycarbonate lens
THD	< 20%
POWER FACTOR	>0.9
CRI	> 80 (Ra)
COLOR MAINTENANCE	< 0.003 Δu'v' chromaticity shift over initial 6,000 hours
CHROMATICITY	< 5-step ANSI quadrangle
LED LIFESPAN	L70: >163,000 hrs; L90: >50,000 hrs (per IES TM-21-11)
DIMMING	0-10V Dimming
PROTECTION	4kV surge protection; IP65 ingress protection
WARRANTY	5 Year Limited Warranty

CERTIFICATIONS

- cULus listed for wet locations in ambient temperatures from...
 - -40°C to 55°C (-40°F to 131°F).
- IP65 rated.
- DLC premium approved*
 - *Excluding BLD-RDL models, which is not DLC listed as of 6/16/25.
- Complies with FCC Part 15, class A.
- Surge protection = 4kV.

DIMENSIONS

All dimensions measured in inches.



Model	Length (L)	Width / Diameter (W/Ø)	Height (H)	Weight
RF	6"	6"	42"	12lbs
SQ	6"	6"	42"	15lbs
RD	6"	6"	44"	12lbs
RDL	6"	6"	44"	13lbs

LUMENS & OPTICS

*See Page 3 for All Photometry Diagrams.

ORDERING INFORMATION

ORDERING GUIDE

Series	Model	Output	CCT	Color	Options
Required Mounting Means Order Separately					
BLD	RF = Round, Flat Top SQ = Square, Flat Top RD = Round, Domed	30 = 3,000lm	V = Adjustable	DB = Dark Bronze B = Black	R-KIT = Anchor bolt for round bollard S-KIT = Anchor bolt for square bollard
	RDL = Round, Domed Louvered	20 = 2,000lm			



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Specifications and dimensions subject to change without notice.

ELECTRICAL DATA

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
BLD-RF-30-V	Lumens	1827	1974	1942	2507	2686	2665	3090	3244	3296
	Watts	13	14	13	18	19	18	23	22	23
	Efficacy	139	144	148	138	145	146	134	145	144
	Input Current (A)	120V = 0.11A	120V = 0.12A	120V = 0.11A	120V = 0.15A	120V = 0.16A	120V = 0.15A	120V = 0.19A	120V = 0.18A	120V = 0.19A
		240V = 0.05A	240V = 0.06A	240V = 0.05A	240V = 0.08A	240V = 0.08A	240V = 0.08A	240V = 0.10A	240V = 0.09A	240V = 0.10A
		277V = 0.05A	277V = 0.05A	277V = 0.05A	277V = 0.06A	277V = 0.07A	277V = 0.06A	277V = 0.08A	277V = 0.08A	277V = 0.08A

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
BLD-SQ-30-V	Lumens	1702	1790	1805	2303	2450	2459	2887	3047	3041
	Watts	13	14	13	18	18	19	23	23	23
	Efficacy	128	132	135	125	134	133	125	135	131
	Input Current (A)	120V = 0.11A	120V = 0.12A	120V = 0.11A	120V = 0.15A	120V = 0.15A	120V = 0.16A	120V = 0.19A	120V = 0.19A	120V = 0.19A
		240V = 0.05A	240V = 0.06A	240V = 0.05A	240V = 0.08A	240V = 0.08A	240V = 0.08A	240V = 0.10A	240V = 0.10A	240V = 0.10A
		277V = 0.05A	277V = 0.05A	277V = 0.05A	277V = 0.06A	277V = 0.06A	277V = 0.07A	277V = 0.08A	277V = 0.08A	277V = 0.08A

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
BLD-RD-30-V	Lumens	1819	1818	1895	2512	2530	2614	3103	3249	3251
	Watts	13	12	13	18	17	18	23	22	23
	Efficacy	140	148	146	138	147	144	136	146	143
	Input Current (A)	120V = 0.11A	120V = 0.10A	120V = 0.11A	120V = 0.15A	120V = 0.14A	120V = 0.15A	120V = 0.19A	120V = 0.18A	120V = 0.19A
		240V = 0.05A	240V = 0.05A	240V = 0.05A	240V = 0.08A	240V = 0.07A	240V = 0.08A	240V = 0.10A	240V = 0.09A	240V = 0.10A
		277V = 0.05A	277V = 0.04A	277V = 0.05A	277V = 0.06A	277V = 0.06A	277V = 0.06A	277V = 0.08A	277V = 0.08A	277V = 0.08A

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
BLD-RDL-20-V	Lumens	905	973	983	1263	1351	1359	1573	1692	1687
	Watts	13	12	13	18	17	18	23	22	23
	Efficacy	71	79	77	71	78	76	69	76	74
	Input Current (A)	120V = 0.11A	120V = 0.10A	120V = 0.11A	120V = 0.15A	120V = 0.14A	120V = 0.15A	120V = 0.19A	120V = 0.18A	120V = 0.19A
		240V = 0.05A	240V = 0.05A	240V = 0.05A	240V = 0.08A	240V = 0.07A	240V = 0.08A	240V = 0.10A	240V = 0.09A	240V = 0.10A
		277V = 0.05A	277V = 0.04A	277V = 0.05A	277V = 0.06A	277V = 0.06A	277V = 0.06A	277V = 0.08A	277V = 0.08A	277V = 0.08A

PHOTOMETRY

BLD-RF-30-V

Luminaire Data

Description	BOLLARD (ROUND) 3,000lm - 5K
Total Lumens	3,296
Input Wattage	23
Efficacy (lm/W)	144
Max. Cd.	815.81 (67.5H, 53V)
IES Classification	Type VS
Longitudinal Classification	Short

Zonal Lumen Summary

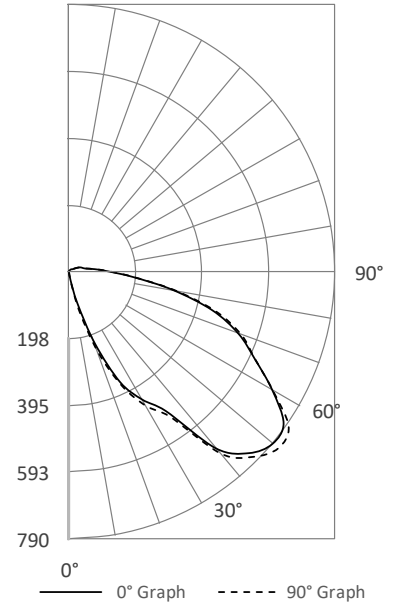
Zone	Lumens	%Fixt
0-30°	201	6.1%
0-60°	1,823	55.3%
0-80°	2,890	87.7%
80-90°	225	6.8%
0-90°	3,115	94.5%
90-110°	134	4.1%
110-180°	0	0.0%
0-180°	3,296	100.0%

Luminaire Classification Systems (LCS)

LCS Zone		Lumens	%Lum
FL	0-30	99	3.0%
FM	30-60	813	24.7%
FH	60-80	540	16.4%
FVH	80-90	116	3.5%
BL	0-30	101	3.1%
BM	30-60	809	24.5%
BH	60-80	527	16.0%
BVH	80-90	109	3.3%
UL	90-100	89	2.7%
UH	100-180	93	2.8%
Total		3,296	100.0%
BUG Rating		B2-U3-G2	

Photometrics calculated at 5000k - high lumens setting

180° Polar Graph



BLD-SQ-30-V

Luminaire Data

Description	BOLLARD (SQUARE) 3,000lm - 5K
Total Lumens	3,041
Input Wattage	23
Efficacy (lm/W)	132
Max. Cd.	843.54 (270H, 53V)
IES Classification	Type VS
Longitudinal Classification	Short

Zonal Lumen Summary

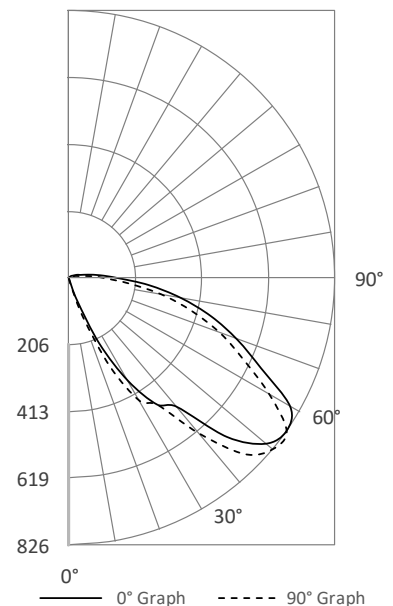
Zone	Lumens	%Fixt
0-30°	114	3.8%
0-60°	1,611	53.0%
0-80°	2,646	87.0%
80-90°	230	7.6%
0-90°	2,876	94.6%
90-110°	126	4.1%
110-180°	0	0.0%
0-180°	3,041	100.0%

Luminaire Classification Systems (LCS)

LCS Zone		Lumens	%Lum
FL	0-30	47	1.6%
FM	30-60	738	24.3%
FH	60-80	552	18.2%
FVH	80-90	132	4.3%
BL	0-30	67	2.2%
BM	30-60	760	25.0%
BH	60-80	482	15.9%
BVH	80-90	98	3.2%
UL	90-100	89	2.9%
UH	100-180	76	2.5%
Total		3,041	99.9%
BUG Rating		B1-U3-G2	

Photometrics calculated at 5000k - high lumens setting

180° Polar Graph



PHOTOMETRY - CONT.

BLD-RD-30-V

Luminaire Data

Description	BOLLARD (ROUND DOME) 3L 5K - LKFS
Total Lumens	3,251
Input Wattage	23
Efficacy (lm/W)	143
Max. Cd.	765.57 (45H, 52V)
IES Classification	Type VS
Longitudinal Classification	Very Short

Zonal Lumen Summary

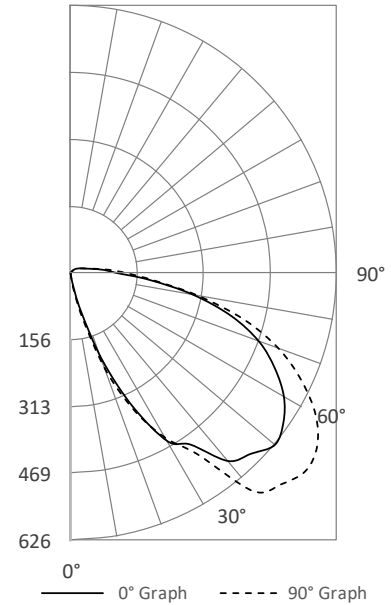
Zone	Lumens	%Fixt
0-30°	200	6.2%
0-60°	1,724	53.0%
0-80°	2,790	85.8%
80-90°	240	7.4%
0-90°	3,030	93.2%
90-110°	161	5.0%
110-180°	0	0.0%
0-180°	3,251	100.0%

Luminaire Classification Systems (LCS)

LCS Zone	Lumens	%Lum
FL 0-30	96	3.0%
FM 30-60	756	23.3%
FH 60-80	539	16.6%
FVH 80-90	124	3.8%
BL 0-30	104	3.2%
BM 30-60	768	23.6%
BH 60-80	528	16.2%
BVH 80-90	116	3.6%
UL 90-100	110	3.4%
UH 100-180	111	3.4%
Total	3,251	100.0%
BUG Rating	B2-U3-G2	

Photometrics calculated at 5000k - high lumens setting

180° Polar Graph



BLD-RDL-20-V

Luminaire Data

Description	BOLLARD (RDL) 2L 5K - LKFS
Total Lumens	1,688
Input Wattage	23
Efficacy (lm/W)	74
Max. Cd.	292.72 (225H, 67V)
IES Classification	Type VS
Longitudinal Classification	Short

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30°	61	3.6%
0-60°	455	27.0%
0-80°	959	56.8%
80-90°	231	13.7%
0-90°	1,190	70.5%
90-110°	345	20.4%
110-180°	0	0.0%
0-180°	1,688	100.0%

Luminaire Classification Systems (LCS)

LCS Zone	Lumens	%Lum
FL 0-30	32	1.9%
FM 30-60	201	11.9%
FH 60-80	253	15.0%
FVH 80-90	115	6.8%
BL 0-30	29	1.7%
BM 30-60	192	11.4%
BH 60-80	250	14.8%
BVH 80-90	116	6.9%
UL 90-100	202	12.0%
UH 100-180	296	17.5%
Total	1,688	100.0%
BUG Rating	B1-U3-G2	

Photometrics calculated at 5000k - high lumens setting

180° Polar Graph

