DVI LIGHTING

DATE:		LOCATION:	
TYPE:		PROJECT:	
CATALOG #:			

BANSHEE PRO | **DVP38738** - 12" FLUSH MOUNT

Banshee Pro is a ½" thick family of edge-lit surface mounted LED slim luminaire that is compatible with standard junction boxes with a minimum depth of 1-½". Various aperture sizes are available from 5" to 12" delivering 653 to 2786 lumens across two different CRI ratings.



FINISH OPTIONS

Matte Black (MB)
Matte White (MW)

FEATURES

CONSTRUCTION

- Injection molded white or black plastic enclosure with no exposed metallic parts for non-conductive applications
- Durable and high transmittance PMMA LGP coupled with an integral bottom diffuser ensures uniform light distribution with excellent efficiency at low glare
- Edge-lit LED panel technology allows for an extra low profile design at only ½" aperture height

ELECTRICAL

- Class II low voltage driver carrying full safety certifications allow for extended longevity due to minimal heat production
- 120-277VAC input for universal applications
- 80+ or 90+ CRI models available with high R9
- 3000K, 3500K, or 4000K CCT
- Flicker-free* dimming using 0-10V controls, see website for dimmer compatibility
- Compatible with 0-10V PIR-based motion sensors
- >50,000 hours L70 (TM-21)
- 90°C supply conductors required

*Site condition dependent

INSTALLATION

- Toolless field replaceable LED module
- Compatible with common 3-½" and 4" round or octagonal junction boxes with a minimum depth of 1-½"

CERTIFICATIONS

- CETLus (UL1598)
- FCC SDoC compliant
- Title 24 JA8 (CA) certified (90+ CRI models only)
- Compliant with NEC 410.16 (NFPA 70-2023) for Closets and Small Storage Spaces when installed in accordance to code requirements

WARRANTY

- 5 years residential/50,000 hours commercial

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SPECIFICATIONS

DIAMETER	**12”**	
HEIGHT	**1.5”**	
INPUT VOLTAGE	**120-277 VAC**	
WATTS	**24W**	
CRI	**80+**	**90+**
INITIAL LUMENS *at 3000K	**4280LM**	**3720LM**
DELIVERED LUMENS *at 3000K	**2786LM**	**2418LM**
ESTIMATED ANNUAL COST *based on 3 hrs/day, 10.65¢/kWh.	**$2.92**	
COLOUR TEMPERATURE	**1CCT (3000K OR 3500K OR 4000K)**	
OPERATING TEMPERATURE	**-20°C TO 45°C**	
BEAM ANGLE	**120°**	
POWER FACTOR	**0.9**	
EMBEDDED MAGNET	**NO**	
TRIM INCLUDED	**NOT APPLICABLE**	
QTY PER MASTER BOX	**12**	
MASTER BOX WEIGHT (KG)	**15**	
ENERGY STAR	**NO**	
ETL	**YES**	
JA8	**90+ CRI ONLY**	
LIFE CYCLE @ 3 HRS/DAY	**20 YEARS**	
WARRANTY	**5 YEARS RESIDENTIAL/50,000 HOURS COMMERCIAL @ L70 STANDARD**	

ORDER GUIDE

FINISH	COLOUR TEMPERATURE	CRI	12”
MB	3000K	80CRI	**DVP38738MB-3K-80**
		90CRI	**DVP38738MB-3K-90**
	3500K	80CRI	**DVP38738MB-35K-80**
		90CRI	**DVP38738MB-35K-90**
	4000K	80CRI	**DVP38738MB-4K-80**
		90CRI	**DVP38738MB-4K-90**
MW	3000K	80CRI	**DVP38738MW-3K-80**
		90CRI	**DVP38738MW-3K-90**
	3500K	80CRI	**DVP38738MW-35K-80**
		90CRI	**DVP38738MW-35K-90**
	4000K	80CRI	**DVP38738MW-4K-80**
		90CRI	**DVP38738MW-4K-90**

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BANSHEE PRO | **DVP38738** - 12" FLUSH MOUNT

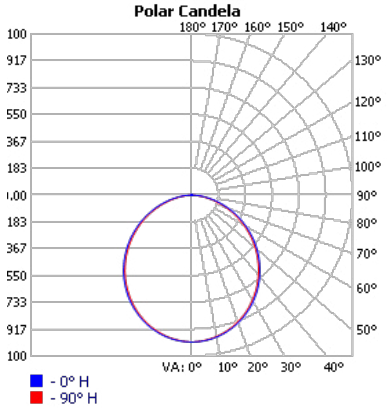
LUMINAIRE DATA	
DESCRIPTION:	DVP38738 3000K
CRI	80
LAMP OUTPUT:	RATED LUMENS/LAMP: 2839.9
INPUT WATTAGE:	23.356
LUMINOUS OPENING:	CIRCULAR (DIA: 0.26M)
MAX CD:	1,003.4 AT HOR.: 0°, VERT.: 0°
SPACING CRITERION:	@ 0 = 1.24 / @ 90 = 1.23
EFFICIENCY:	98.40%

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	772	27.2%	27.6%
0-40	1259	44.3%	45.0%
0-60	2206	77.7%	79.0%
60-90	580	20.4%	20.8%
70-100	243	8.6%	8.7%
90-120	2	0.1%	0.1%
0-90	2786	98.1%	99.7%
90-180	8	0.3%	0.3%
0-180	2794	98.4%	100.0%

AVERAGE LUMINANCE (CD/M2)		
VERTICAL ANGLE	HORIZONTAL ANGLE	
	0	90
0	18892	18892
45	17476	17087
55	16699	16159
65	15578	14783
75	13847	12623
85	10437	8230

CANDELA DISTRIBUTION		
VERTICAL ANGLE	HORIZONTAL ANGLE	
	0	90
0	1003	1003
10	984	981
20	928	921
30	840	829
40	723	709
50	584	569
60	430	413
70	269	251
80	116	101
90	1	0
100	0	0
110	1	1
120	1	1
130	1	2
140	2	2
150	2	2
160	2	3
170	3	3
180	3	3

Polar Candela



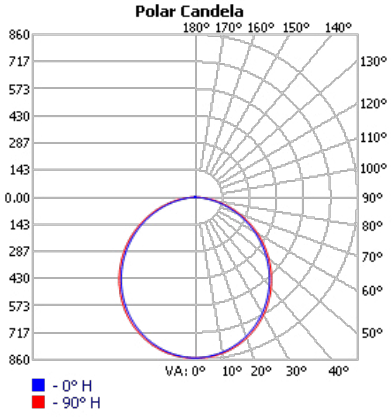
LUMINAIRE DATA	
DESCRIPTION:	DVP38738 3000K
CRI	90
LAMP OUTPUT:	RATED LUMENS/LAMP: 2428.5
INPUT WATTAGE:	25.357
LUMINOUS OPENING:	CIRCULAR (DIA: 0.26M)
MAX CD:	850.1 AT HOR.: 90°, VERT.: 1°
SPACING CRITERION:	@ 0 = 1.24 / @ 90 = 1.26
EFFICIENCY:	99.90%

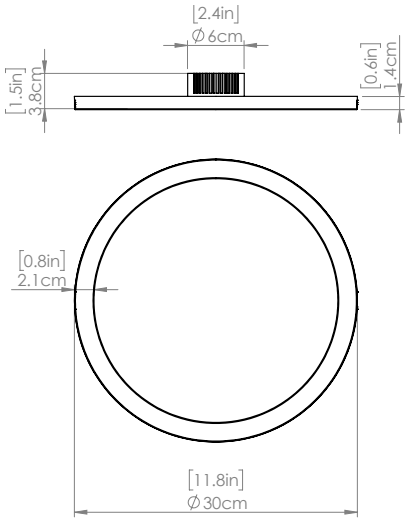
ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	658	27.1%	27.1%
0-40	1075	44.3%	44.3%
0-60	1896	78.1%	78.2%
60-90	523	21.5%	21.6%
70-100	226	9.3%	9.3%
90-120	2	0.1%	0.1%
0-90	2419	99.6%	99.7%
90-180	7	0.3%	0.3%
0-180	2426	99.9%	100.0%

AVERAGE LUMINANCE (CD/M2)		
VERTICAL ANGLE	HORIZONTAL ANGLE	
	0	90
0	16001	16001
45	14688	15121
55	14001	14593
65	12981	13786
75	11401	12601
85	7989	11222

CANDELA DISTRIBUTION		
VERTICAL ANGLE	HORIZONTAL ANGLE	
	0	90
0	850	850
10	832	837
20	783	792
30	708	720
40	608	623
50	491	508
60	360	378
70	223	241
80	94	109
90	0	5
100	0	0
110	1	1
120	1	1
130	1	1
140	1	2
150	2	2
160	2	2
170	2	2
180	2	2

Polar Candela





LUMEN MULTIPLIER (FOR 80 & 90CRI PRODUCTS)			
CCT	3000K	3500K	4000K
MULTIPLIER	1.000	1.027	1.034