

Optional "e"
International Version

TYPE
CATALOG #
PROJECT
NOTES

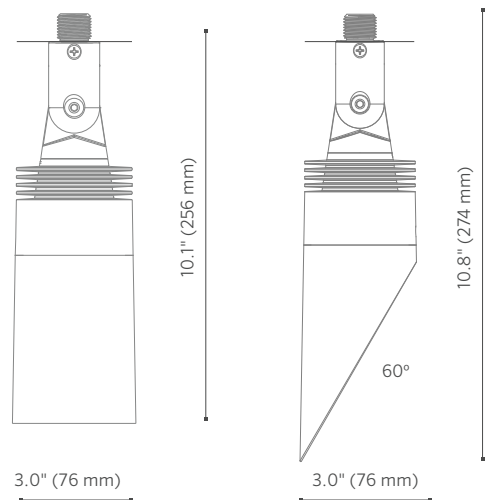
LED DIRECTIONAL LUMINAIRE

dBeam-8

Practical directional luminaire in 3, 6, or 9 LED. An RGBW version is also available for use with **ZDCLink®** Controllers.

Quick Facts

- Die-cast aluminum
- Two-layer, marine-grade anodization and powder-coat finish
- Lumileds® integrated LEDs
- ProAim® adjustability
- Tamper-resistant features
- Compatible with Luxor® Technology
- Phase and Luxor dimmable
- Input voltage: 10 to 15 Vac/Vdc



dBeam-8 SPECIFICATIONS

Output	3 LED	6 LED	9 LED	ZDC
Total Lumens[†]	289	512	751	389
Input Voltage	10 to 15 Vac/Vdc	10 to 15 Vac/Vdc	10 to 15 Vac/Vdc	11 to 15 Vac/Vdc
Input Power	4.0 W	7.7 W	11.1 W	9.1 W
Power Consumption (VA)	4.4 W	9.3 W	12.2 W	11.0 W
Efficacy (lm/W)	74	66	68	32
Color Rendering Index (CRI)	83	83	83	80+
Center Beam Candlepower*				
Spot (60°)	464	1,094	1,446	172
Dimming				
Primary Dimming (Transformer)	Consult transformer specifications			
Secondary Dimming (Luminaire)	Phase-cut**	Phase-cut**	Phase-cut**	Luxor
RGBW Available	No	No	No	Yes
Luxor Compatibility				
Default	Zoning	Zoning	Zoning	--
ZD Option	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	--
ZDC Option	--	--	--	Zoning/Dimming/Color
Minimum Rated Life L70 (hrs)[†]	72,000	72,000	72,000	55,000

[†] Measured using the 2,700K CCT option.

* Value measured with Flood (60°) optic. See .ies files for Spot (20°) or Flood (40°) photometry.

** For optimal performance, use a trailing-edge (reverse phase-cut) dimmer.

dBeam-8 SPECIFICATIONS

Lumascap

Lumascap transforms spaces with precision-engineered lighting solutions, proven to perform.

Since 1991, customers have relied on us as a leading manufacturer of high-quality, innovative luminaires that solve their toughest lighting challenges. Our global experts combine sophisticated design, advanced technologies, quality materials, and rigorous testing to manufacture a comprehensive range of lighting systems that consistently exceed performance expectations. Lumascap is a member of the Hunter Industries Family of Companies. Learn more at lumascap.com.

Materials

Die-cast A380 aluminum housing and shroud with stainless steel hardware. Die-cast zinc/aluminum alloy knuckle.

Shroud

Die-cast aluminum shroud with 60° cutoff (standard) or 90° straight shroud option.

Wiring

18 AWG (1 mm); SPT-1W; 220°F (105°C); 300 V; 26' (8 m) length

Lamp

Integrated module with Lumileds LEDs. Gold-plated connectors and conformal coated for maximum reliability and corrosion resistance. Proprietary onboard intelligent driver uses firmware-controlled temperature regulation, maximizing LED life. Field upgradable and replaceable, the LEDs are rated to 72,000 hrs. Maximum drive current: 1 A.

Optics

Color temperature and beam angle defined by part number. Beam angle is field serviceable (specify separately). For additional color filters, spread lenses, hex baffles, and so on, use MR-16 sized accessories (MR-16: 1.95" (49.5mm) dia. x 1.1 mm thickness). Beam angle is calculated using the LM-79 method for SSL luminaires.

Socket

Socket contains MoistureBlock™ Technology, preventing moisture from wicking up into sealed areas of the luminaire.

Power

Input 10 to 15 Vac/Vdc, 50/60 Hz. Remote transformer required (specify separately).

Housing

Die-cast aluminum housing with capacity for 3 LED, 6 LED, 9 LED, or large-sized ZDC integrated LEDs.

Knuckle

Die-cast zinc/aluminum alloy knuckle with ½"-14 NPSM threads. Compress and lock features prevent slip after installation. Offers 9° increments of adjustability over 220° of vertical adjustment. Optional wall mount knuckle includes curved anchor bolt pattern for 60° rotational adjustment and patented threaded studs with hex heads for ease of installation.

Lens

Tempered glass lens with shock resistance and high tolerance for thermal expansion and stress.

Hardware

¼"-20 x ¾" stainless steel angle lock screw with #8-32 x ¾" setscrew.

Finish

Two-layer protection of sulfuric acid anodization and polyester TGIC powder-coat finish, providing superior outdoor weathering in all conditions. Tested to ASTM standards.

Ambient Operating Temperature
0°F to 140°F (-18°C to 60°C)

Control

The ZDClink Controller utilizes Luxor Technology to zone light luminaires in up to 250 groups, dim each group in 1% increments between 0% and 100%, or change to one of 30,000 colors with RGBW LEDs. Select the ZD option for zoning/dimming or ZDC for zoning/dimming/color. Standard luminaire is zoneable with ZDClink.

Weight

2.0 lbs (0.9 kg)

Installation Requirements

Designed for installation in the downward direction only.

Sustainability

Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining superior functionality. Our LED products provide high-quality light at optimal energy efficiency, lifespan, and durability.

International Compliance

Compliant per IEC 60598-1 and IEC 60598-2-1 by selecting the "e" version.

Manufacturing

ISO 9001:2015 certified facility

Warranty

5-year limited warranty

Listings



dBeam-8 ORDERING INFORMATION

Luminaire	Control + Output	Color Temp	Optics	Compliance	Options	Finish
dBEM-8	■ 3LED Zone, 289 lm	■ K27 2,700K	■ SP 20°	■ [default] Mini Mount ½" NPSM thread, UL Listed	■ [default] Angled (60°)	■ BL Black
	■ 6LED Zone, 512 lm		■ FL 35°	■ e Bracket Mount, CE Certified	■ SS Straight (90°)	■ AG Anthracite Gray
	■ 9LED Zone, 751 lm		■ WF 60°			■ BT Basalt Gray
	■ ZD Zone/Dim, 9 LED, 751 lm					■ GH Graphite Gray
	■ ZDC Zone/Dim/Color, 389 lm	■ [default] RGBW	■ [default] 45°			■ SL Anodic Silver
						■ WT White
						■ DB Dark Bronze
						■ LT Latte
						■ DA Dark Aluminum
						■ CC Custom RAL






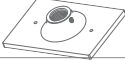


EXAMPLE LUMINAIRE CONFIGURATION: dBEM-8-3LED-K27-SP-SL[†]

dBEM-8 - - - - - - -



[†] Hyphens are for readability purposes only.

dBeam-8 ORDERING INFORMATION




MOUNTING OPTIONS: Specify Separately

Item	Code [†]	
■ GUTTER MOUNT 4.0" (102 mm) x 4.0" (102 mm)	GM-SS	
■ VERSABOX® MOUNT 2.2" (57 mm) x 1.5" (39 mm)	VB-050-XX*	
■ MINI J-BOX 3.5" (89 mm) x 1.3" (34 mm)	MJB-050-XX*	
■ TREEBOX® MOUNT 5.4" (138 mm) x 1.9" (49 mm)	TB-XX* 	
■ WALL PLATES 3.4" (85 mm) x 5.1" (129 mm)	WP-1G-050-XX*	
■ WALL PLATES 5.0" (127 mm) Diameter	WP-RD-050-XX*	
■ WALL MOUNT 3.5" (89 mm) x 2.0" (51 mm)	WM-XX*	

RISER OPTIONS: Specify Separately

Item	Code [†]	
■ RISER 0.8" (21 mm) Diameter	YY**-R-XX* 	
■ SIGN LIGHT RISER 0.8" (21 mm) Diameter with 45° Inward Curve	YY**-R-SL-XX* 	

COUPLING OPTIONS: Specify Separately

Item	Code [†]	
■ STRAIGHT 1.3" (32 mm) x 2.0" (51 mm)	COUP-XX*	
■ 90° ELBOW 1.3" (32 mm) x 2.0" (51 mm)	ELBW-050-XX*	
■ T-MOUNT 3.0" (76 mm) x 2.2" (57 mm)	TMNT-050-XX*	

LENS ACCESSORIES: Specify Separately

Item	Code [†]	
■ HEX BAFFLE MR-16 Size	250015260000	
■ LINEAR SPREAD LENS MR-16 Size	250013550000	
■ SOLITE SPREAD LENS MR-16 Size	250015240000	

* XX = Finish code

** YY = Riser height in inches (6" increments between 6" and 36";
150 mm increments between 150 mm and 900 mm).

† Hyphens are for readability purposes only.

dBeam-8 PHOTOMETRICS

dBeam-8 3 LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 35.5°	Horizontal 35.8°
5' (1.5 m)	23 fc (245 lx)	3.2' (1.0 m)	3.2' (1.0 m)
10' (3.0 m)	5.7 fc (61 lx)	6.4' (2.0 m)	6.5' (2.0 m)
15' (4.6 m)	2.5 fc (27 lx)	9.6' (2.9 m)	9.7' (3.0 m)
20' (6.1 m)	1.4 fc (15 lx)	12.8' (3.9 m)	12.9' (3.9 m)
25' (7.6 m)	0.9 fc (10 lx)	16.0' (4.9 m)	16.1' (4.9 m)
30' (9.1 m)	0.6 fc (7 lx)	19.2' (5.9 m)	19.4' (5.9 m)

dBeam-8 6 LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 32.3°	Horizontal 34.0°
5' (1.5 m)	44 fc (469 lx)	2.9' (0.8 m)	3.1' (0.9 m)
10' (3.0 m)	11 fc (117 lx)	5.8' (1.8 m)	6.1' (1.9 m)
15' (4.6 m)	4.8 fc (52 lx)	8.7' (2.7 m)	9.2' (2.8 m)
20' (6.1 m)	2.7 fc (29 lx)	11.6' (3.5 m)	12.2' (3.7 m)
25' (7.6 m)	1.7 fc (19 lx)	14.5' (4.4 m)	15.3' (4.7 m)
30' (9.1 m)	1.2 fc (13 lx)	17.4' (5.3 m)	18.3' (5.6 m)

dBeam-8 9 LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 32.9°	Horizontal 34.2°
5' (1.5 m)	58 fc (622 lx)	3.0' (0.9 m)	3.1' (0.9 m)
10' (3.0 m)	15 fc (156 lx)	5.9' (1.8 m)	6.2' (1.9 m)
15' (4.6 m)	6.4 fc (69 lx)	8.9' (2.7 m)	9.2' (2.8 m)
20' (6.1 m)	3.6 fc (39 lx)	11.8' (3.6 m)	12.3' (3.7 m)
25' (7.6 m)	2.3 fc (25 lx)	14.8' (4.5 m)	15.4' (4.7 m)
30' (9.1 m)	1.6 fc (17 lx)	17.7' (5.4 m)	18.5' (5.6 m)

Note: Photometric data displayed using 2,700K with a 60° beam angle. ZDC option defaults to Wide Flood.

Lumileds is a trademark of Lumileds Holding B.V. MoistureBlock is a trademark of DSM&T Co. Inc.

© 2022 Hunter Industries™. Hunter, Lumascope, all related logos, and all other trademarks are property of Hunter Industries, registered in the U.S. and other countries.