TYPE

CATALOG #

PROJECT

NOTES

Optional "e"
International Version

LED DIRECTIONAL LUMINAIRE

d**Beam**-6

This versatile directional luminaire comes in 3 LED.
Also available in an RGBW version 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 or Luxor dimmable
- Input voltage: 10 to 15 Vac/Vdc

9.0" (228 mm)

2.6" (66 mm)

9.5" (241 mm)

60°

2.6" (66 mm)
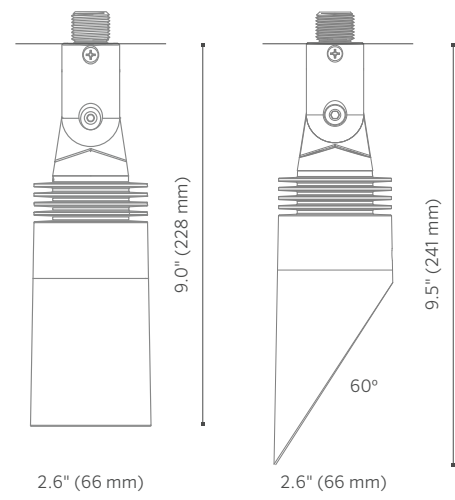
dBeam-6 SPECIFICATIONS

Output	1 LED	3 LED	ZDC
Total Lumens†	101	246	215
Input Voltage	10 to 15 Vac/Vdc	10 to 15 Vac/Vdc	11 to 15 Vac/Vdc
Input Power	1.9 W	1.9 W	4.0 W
Power Consumption (VA)	2.2 W	2.2 W	4.4 W
Efficacy (lm/W)	55	55	23
Color Rendering Index (CRI)	83	83	80+
Center Beam Candlepower*			
Spot (60°)	136	136	381
Dimming			
Primary Dimming (Transformer)	Consult transformer specifications		
Secondary Dimming (Luminaire)	Phase-cut**	Phase-cut**	Luxor
RGBW Available	No	No	Yes
Luxor Compatibility			
Default	Zoning	Zoning	--
ZD Option	Zoning/Dimming	Zoning/Dimming	--
ZDC Option	--	--	Zoning/Dimming/Color
Minimum Rated Life L70 (hrs)	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.*

d*Beam*-6 SPECIFICATIONS

Lumascape
Lumascape 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. Lumascape is a member of the Hunter Industries Family of Companies. Learn more at lumascape.com.

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

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

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

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" (49.5 mm) dia. x 1.1 mm thickness). Beam angle is calculated using the LM-79 method for SSL luminaires.

Housing
Die-cast aluminum housing with capacity for 1 LED, 3 LED or medium-sized ZDC integrated LEDs.

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

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

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 (specify seperately).

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. Tamper-resistant setscrew included.

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 **ZDC**link 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 **ZDC**link.

Weight
1.5 lbs (0.7 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 when used with the TreeBox® Mount ("TB-XX") or alternate mount greater than or equal to IP64, or by selecting the "e" version.

Manufacturing
ISO 9001:2015 certified facility

Warranty
5-year limited warranty

Listings

dBeam-6 ORDERING INFORMATION

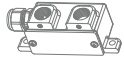| Luminaire	Control + Output	Color Temp	Optics	Compliance	Options	Finish	
dBEM-6	■ **1LED** *Zone, 101 lm*	■ **K27** *2,700K*	■ **SP** *20°*	■ **[default]** *Mini Mount ½" NPSM thread, UL Listed*	■ **[default]** *Angled (60°)*	■ **BL** *Black*	
	■ **3LED** *Zone, 122 lm*		■ **FL** *35°*	■ **e** *Bracket Mount, CE Certified*	■ **SS** *Straight (90°)*	■ **AG** *Anthracite Gray*	
	■ **ZD** *Zone/Dim, 3 LED, 246 lm*		■ **WF** *60°*			■ **BT** *Basalt Gray*	
	■ **ZDC** *Zone/Dim/Color, 215 lm*	■ **[default]** *RGBW*	■ **[default]** *50°*			■ **GH** *Graphite Gray*	
						■ **SL** *Anodic Silver*	
						■ **WT** *White*	
						■ **DB** *Dark Bronze*	
						■ **LT** *Latte*	
						■ **DA** *Dark Aluminum*	
						■ **CC** *Custom RAL*	

EXAMPLE LUMINAIRE CONFIGURATION: dBEM-6-ZD-K27-SP-SL[†]

dBEM-6 – ☐ – ☐ – ☐ – ☐ – ☐ – ☐

[†] Hyphens are for readability purposes only.

d**Beam**-6 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*	CE
■ **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" (8.9 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*	
■ **90º 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

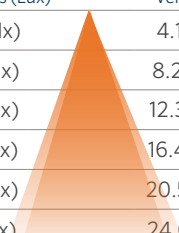| Item	Code	
■ **HEX BAFFLE** *MR-16 Size*	250015260000	
■ **SOLITE SPREAD LENS** *MR-16 Size*	250015240000	

* 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.
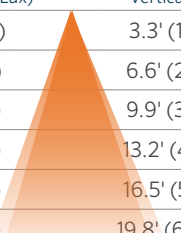
dBeam-6 PHOTOMETRICS

dBeam-6 1 LED Illuminance at a Distance

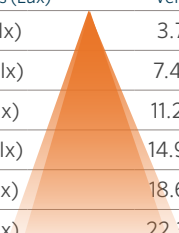| Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 44.6°	Horizontal 48.4°
5' (1.5 m)	5.1 fc (55 lx)	4.1' (1.2 m)	4.5' (1.4 m)
10' (3.0 m)	1.3 fc (14 lx)	8.2' (2.5 m)	9.0' (2.7 m)
15' (4.6 m)	0.6 fc (6 lx)	12.3' (3.7 m)	13.5' (4.1 m)
20' (6.1 m)	0.3 fc (3 lx)	16.4' (5.0 m)	18.0' (5.5 m)
25' (7.6 m)	0.2 fc (2 lx)	20.5' (6.2 m)	22.5' (6.9 m)
30' (9.1 m)	0.1 fc (2 lx)	24.6' (7.5 m)	27.0' (8.2 m)

dBeam-6 1 LED SS Illuminance at a Distance

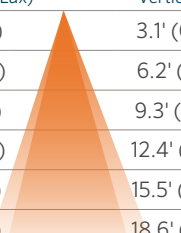| Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 44.6°	Horizontal 48.4°
5' (1.5 m)	5.5 fc (59 lx)	3.3' (1.0 m)	2.7' (0.8 m)
10' (3.0 m)	1.4 fc (15 lx)	6.6' (2.0 m)	5.5' (1.7 m)
15' (4.6 m)	0.6 fc (7 lx)	9.9' (3.0 m)	8.2' (2.5 m)
20' (6.1 m)	0.3 fc (4 lx)	13.2' (4.0 m)	10.9' (3.3 m)
25' (7.6 m)	0.2 fc (2 lx)	16.5' (5.0 m)	13.7' (4.2 m)
30' (9.1 m)	0.2 fc (2 lx)	19.8' (6.05 m)	16.4' (5.0 m)

dBeam-6 3 LED Illuminance at a Distance

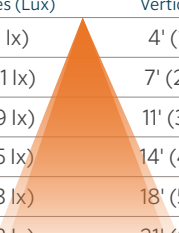| Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 40.8°	Horizontal 44.4°
5' (1.5 m)	15 fc (157 lx)	3.7' (1.1 m)	4.1' (1.2 m)
10' (3.0 m)	3.6 fc (39 lx)	7.4' (2.3 m)	8.2' (2.5 m)
15' (4.6 m)	1.6 fc (17 lx)	11.2' (3.4 m)	12.2' (3.7 m)
20' (6.1 m)	0.9 fc (10 lx)	14.9' (4.5 m)	16.3' (5.0 m)
25' (7.6 m)	0.6 fc (6 lx)	18.6' (5.7 m)	20.4' (6.2 m)
30' (9.1 m)	0.4 fc (4 lx)	22.3' (6.8 m)	24.5' (7.5 m)

dBeam-6 3 LED SS Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 34.5°	Horizontal 34.4°
5' (1.5 m)	14 fc (151 lx)	3.1' (0.9 m)	3.1' (0.9 m)
10' (3.0 m)	3.5 fc (38 lx)	6.2' (1.9 m)	6.2' (1.9 m)
15' (4.6 m)	1.6 fc (17 lx)	9.3' (2.8 m)	9.3' (2.8 m)
20' (6.1 m)	0.9 fc (10 lx)	12.4' (3.8 m)	12.4' (3.8 m)
25' (7.6 m)	0.6 fc (6 lx)	15.5' (4.7 m)	15.5' (4.7 m)
30' (9.1 m)	0.4 fc (4 lx)	18.6' (5.7 m)	18.6' (5.7 m)

dBeam-6 ZDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 48.1°	Horizontal 49.5°
4' (1.2 m)	8 fc (81 lx)	4' (1.1 m)	4' (1.1 m)
8' (2.4 m)	1.9 fc (21 lx)	7' (2.2 m)	7' (2.3 m)
12' (3.7 m)	0.8 fc (9 lx)	11' (3.4 m)	11' (3.4 m)
16' (4.9 m)	0.5 fc (5 lx)	14' (4.4 m)	15' (4.5 m)
20' (6.1 m)	0.3 fc (3 lx)	18' (5.4 m)	18' (5.6 m)
24' (7.3 m)	0.2 fc (2 lx)	21' (6.5 m)	22' (6.7 m)

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