








Project Name	
Type	
Part Number	
Quantity	
Notes	

Product Overview

The dBeam-6 is a versatile directional luminaire come in 1 or 3LED. Also available in an RGBW version for use with ZDCLink® Controllers.

Features

Total Lumens	289 lm
Power Consumption	2.2 W 4.4 W
Input Voltage	White: 10-15 Vac/dc, 50/60 Hz ZDC: 11-15 Vac, 50/60 Hz
Installation Requirements	Downward Direction Only
Typical Lifetime	White: 72,000 hrs RGBW: 55,000 hrs
Weight	1.5 lb (0.7 kg)
Compliance	    RoHS COMPLIANT
Color Options	

Technology







Written Specifications

Electrical

Power Consumption	Specified power consumption indicates the full apparent power.
Input Voltage	White: 10–15 Vac/dc, 50/60 Hz. RGBW: 11–15 Vac/dc, 50/60 Hz. Remote transformer required (specify separately).
Configuration	Integral driver.
LED	White: Lumileds® RGBW: Cree®
Thermal Management	CoolDrive™ onboard thermal monitoring and control.
Lifetime	White: >72,000 hours (L70, B10, TM21 Reported) RGBW: >55,000 hours (L70, B10, TM21 Reported)
Dimming	Luxor® control or a trailing-edge (reverse phase-cut) dimmer.

Control

Luxor® Control	The ZDCLink Controller utilizes Luxor Technology™ to zone 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.
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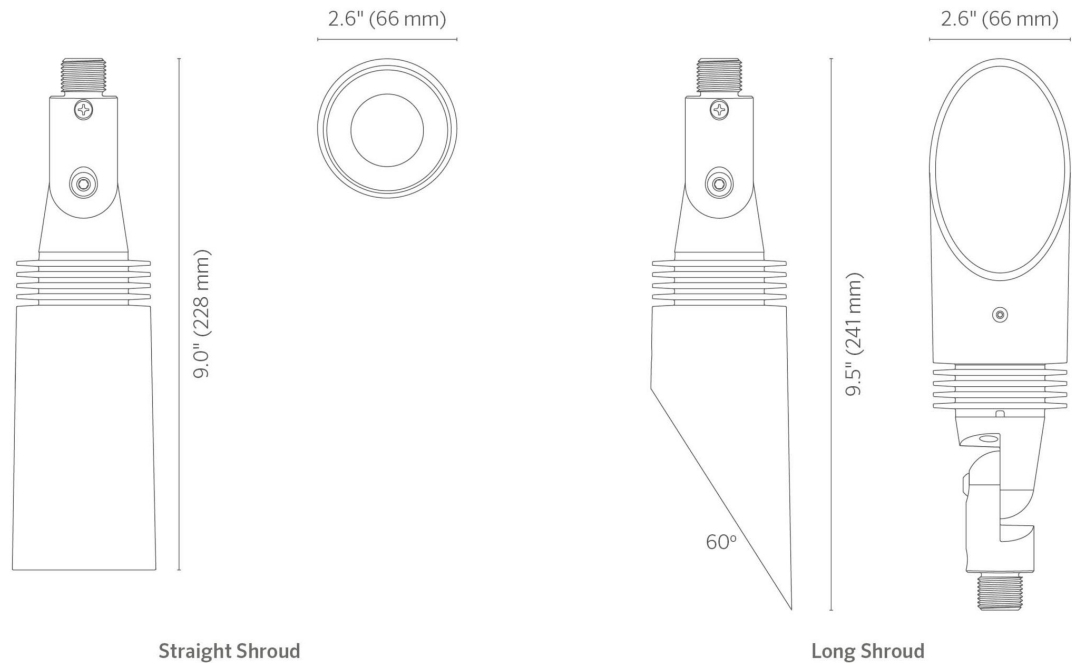
Physical

Construction	Die-cast A380 aluminum housing and shield with stainless steel hardware. Die-cast zinc/aluminum alloy knuckle.
Finish	Two-layer protection of marine-grade anodization and polyester TGIC powder-coat finish, providing superior outdoor weathering in all conditions. Tested to ASTM standards.
Beam Angles	"Specify Spot (20°), Flood (35°), or Wide Flood (60°). For Narrow Spot (10°), specify any beam angle and remove beam angle lens on site. Beam angle is field serviceable."
Installation	Designed for installation in the downward lighting direction only.
Adjustability	Compress-and-lock features prevent slip after installation. Offers 9° increments of adjustability over 220° of vertical alignment.
Wiring	18 AWG (1 mm); SPT-1W; 220°F (105°C); 300 V; 26' (8 m) length, measured from the light aperture. International ("e") length is shorter.
Socket	MicroAntileach™ Technology to prevent moisture from wicking up into sealed areas of the luminaire.
Ambient Operating Temperature	0°F to 140°F (-18°C to 60°C).
Lens	OptiClear™ tempered glass for exceptional optical purity and load strength.
Lens Transparency	White: Clear RGBW: Frosted
Glare Control	60° angled shield or 2" deep 90° straight option.
Hardware	Tamper-resistant stainless steel hardware.

Threads	½"-14 NPSM
Housing Capacity	Round 1LED, 3LED, or ZDC-M
Weight	1.5 lb (0.7 kg)
Compliance	
IP Rating	IP65
Environment	Dry, Damp, Wet locations
Certifications	UL 1838, CSA C22.2 No. 250.7, IEC 60598-1, IEC 605598-2-4, FCC Part 15, Subpart B, ISED Canada ICES-005, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3.
	Default configuration UL Listed. CE certification is met when the “e” option is selected.
Overview	
About Us	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 .
Manufacturing	ISO 9001:2015 certified facility.
Warranty	5-year limited warranty.

Specifications

Dimensions



Photometrics 1LED

dBeam-6 1LED 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)

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

Photometrics 3LED

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)

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

Photometrics 3LED SS

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)

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

Photometrics ZDC

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 2,700 K CCT with a 60° beam angle. ZDC option defaults to Wide Flood.

Configuration

For complete and up-to-date product options, configure the dBEM6 using our online [product configurator](#).

<div>dBEM6</div>							
Code	Control	Output	Light Source	Beam Angles	Compliance	Shielding	Finish

Control

- ☐ **Standard (-)**
1) On/Off, 2) Phase-cut Dimming, or 3) Zone with Luxor® Technology using the ZDClick Lighting Controller.
- ☐ **Zone/Dim (ZD)**
Zone/Dim with Luxor® Technology using the ZDClick Lighting Controller.
- ☐ **Zone/Dim/Color (ZDC)**
Zone/Dim/Color with Luxor® Technology using the ZDClick Lighting Controller.

Output

- ☐ **2.2 W (1LED)**
106 lm
- ☐ **4.4 W (3LED)**
289 lm
- ☐ **4.4 W**
289 lm, for ZD control
- ☐ **7.2 W**
For ZDC control

Light Source

- ☐ **Static White (K27)**
2,700 K (80+ CRI) 
- ☐ **RGBW**
For ZDC control 

Beam Angles

Published angles may vary slightly to photometric data. Please refer to IES files where relevant.

- ☐ **Spot (SP)**
20° beam angle
- ☐ **Flood (FL)**
35° beam angle
- ☐ **Flood**
45° beam angle, for ZDC control
- ☐ **Wide Flood (WF)**
60° beam angle

Compliance

☐ **North America**
UL listed



☐ **International (E)**
Bracket mount, UL listed
and CE approved.
Required for shipment
outside of North
America



Shielding

☐ **Straight Shroud (SS)**
90° Straight Shroud



☐ **Long Shroud**
60° Angled Long
Shroud



Finish

☐ **Black (BL)**
RAL9004 from RAL
Classic collection



☐ **Anthracite Gray (AG)**
RAL7016 from RAL
Classic collection



☐ **Basalt Gray (BT)**
RAL7012 from RAL
Classic collection



☐ **Graphite Gray (GH)**
Graphite Gray powder-
coat finish



☐ **Anodic Silver (SL)**
RAL9006 from RAL
Classic collection



☐ **White (WT)**
RAL9016 from RAL
Classic collection



☐ **Dark Bronze (DB)**
RAL8019 from RAL
Classic collection



☐ **Latte (LT)**
RAL7006 from RAL
Classic collection



☐ **Dark Aluminium (DA)**
RAL9007 from RAL
Classic collection



☐ **Custom RAL (CC)**
A one-off custom color
setup fee applies. Click
on 'More Info' button to
add to your enquiry.
Contact Lumascape for
volume discount on set-
up fee.



Accessories

Mounting & Installation

Specify Separately

☐ **Mini Mount (MM-050)**



☐ **Versabox® (VB-050)**
A 1.5" (38 mm) brass cap with ½"-14 NPSM threads.



☐ **Mini J-Box (MJ-050)**
A 1.5" (38 mm) aluminum wall mount with ½"-14 NPSM threads and wire compartment.



☐ **Treebox® (TB)**
A dual ½"-14 NPSM threads with wire compartment.



☐ **Gutter Mount (GM-SS)**
A 4.4" (112 mm) aluminum cap with ½"-14 NPSM threads and wire compartment; 2.0" schedule 40 conduit.



☐ **Wall Plate 1-Gang (WP-1G-050)**
1-gang wall plate with 1/2"-14 NPSM threads.



☐ **Wall Plate, Round (WP-RD-050)**
5" (127 mm) round wall plate with 1/2"-14 NPSM threads.



☐ **Non-Penetrating Tree Ring (TR)**
Adjustable, drill-free, non-penetrating tree ring, accommodates up to six luminaires.



Risers & Coupling

Specify Separately

☐ **Straight Riser (—)**
An aluminum straight riser with 0.8" (12 mm) OD and 1/2"-14 Male NPSM x2 threads.



☐ **Angled Sign-Light Riser (—)**
An aluminum angled sign-light riser with 0.8" (12 mm) OD, 45° bend, and 1/2"-14 NPSM x2 threads.



☐ **Straight Coupling (COUP)**
An aluminum straight coupling 1.3" (32 mm) x 2.0" (51 mm).



☐ **Coupling, 90-deg, 1/2" NPSM (ELBW-050)**
An aluminum 90° coupling 1.3" (32 mm) x 2.0" (51 mm).



☐ **Coupling, T, 1/2" NPSM (TMNT-050)**
An aluminum T Coupling, ½" NPSM Thread.



Lens Accessories

Specify Separately

- ☐ **Hex Baffle
(250015260000)**
2" (50 mm) diameter
(MR-16)



- ☐ **Linear Spread Lens
(250013550000)**
2" (50 mm) diameter
(MR-16)



- ☐ **Solite Spread Lens
(250015240000)**
2" (50 mm) diameter
(MR-16)



Power Supplies

Specify Separately

- ☐ **Multi-Tap
Transformer
(PROLINK)**
The industry's most
reliable multi-tap
transformer.



- ☐ **ZDCLink® Lighting
Controller (ZDCLink)**
A combined lighting
controller and
transformer (120 Vac to
14 Vac) that offers
powerline zoning,
dimming, RGBW color
changing, and optional
Wi-Fi control via Luxor
Technology™



- ☐ **Dimmable Mini
Transformer (ST-
120-DIM)**
60 W, 120 V to 12 Vac
step-down transformer.



- ☐ **Non-Dimmable Mini
Transformer (ST-
UV)**
30 W universal voltage
step-down transformer.



- ☐ **6 W Plug-in
Transformer (MT-
6W)**
Standard North
American Type A, Class
2 transformer with 6 W
capacity and 1' (300 mm)
flying leads.

- ☐ **30 W Plug-in
Transformer (MT-
30W)**
Standard North
American Type A, Class
2 transformer with 30 W
capacity and 1' (300 mm)
flying leads.

Supplemental Surge Protection

Specify Separately

- ☐ **In-Line Surge
Arrestor (SURGE-
MOD)**
Provides two additional
layers of surge
protection (up to 10KW)
to any 12 Vac/dc LED
luminaire.



Wire Connections

Specify Separately

- ☐ **Heat Shrink Wire Connectors - Small (WCHSSM20)**

Tin-coated copper butt splices with adhesive-filled heat shrink tubes.



- ☐ **Heat Shrink Wire Connectors - Medium (WCHSMD20)**

Tin-coated copper butt splices with adhesive-filled heat shrink tubes.



Custom Color

A one-off setup fee applies for each custom color per order. Add to your enquiry.

- ☐ **Custom Color Setup Fee: Essential Series (Custom RAL Color Setup)**

Custom RAL colour setup fee



Give every landscape the light it deserves



When it comes to lighting design, why should architecture have all the fun? We've added more than 50 new landscape luminaires, offering unmatched performance, simple installation, and compatibility with state-of-the-art Luxor® Technology. Discover endless new possibilities to bring your next landscape lighting project to life at lumascap.com.



ARCHITECTURAL & FACADE LIGHTING
Learn more. Visit lumascap.com

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