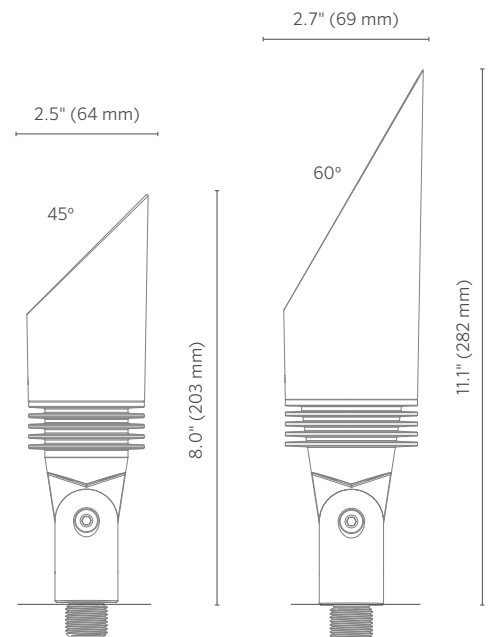Optional Long Shroud

LUMASCAPE

LED DIRECTIONAL LUMINAIRE

*d**Axis**-7*

Expertly engineered with 45° or 60° shroud options to illuminate a variety of spaces in 3, 6, or 9 LED. An RGBW version is also available for use with **ZDC**link® 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

2.5" (64 mm)
45°
8.0" (203 mm)

2.7" (69 mm)
60°
11.1" (282 mm)

d*Axis*-7 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 (20°)	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 (35°) optic. See .ies files for Spot (20°) or Wide Flood (60°) photometry.*
** *For optimal performance, use a trailing-edge (reverse phase-cut) dimmer.*

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.

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.

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

Wiring
18 AWG (1 mm); SPT-1W; 220°F (105°C); 300 V; 10' (3 m) length

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.

Shroud
Die-cast aluminum shroud with 45° cutoff (standard) or 60° long 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.

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

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.

Weight
1.9 lbs (0.9 kg)

Hardware
Uses ¼"-20 x ¾" stainless steel angle lock screw with #8-32 x ³⁄₁₆" setscrew. Includes ABS ProAim Ratcheting Spike for 360° horizontal rotation in 10° increments. Tamper-resistant locking screw included.

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.

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.

Installation Requirements
Designed for installation in the upward direction only.

International Compliance
Compliant per IEC 60598-1 and IEC 60598-2-4 by selecting the "e" version.

Manufacturing
ISO 9001:2015 certified facility

Warranty
5-year limited warranty

Listings
c(UL)us LISTED · RoHS COMPLIANT · CE · (PSE) · IP65

(UL) MX · -NOM · UKCA

dAxis-7 ORDERING INFORMATION

Luminaire	Control + Output	Color Temp	Optics	Compliance	Options	Finish	
dAXS-7*	■ 3LED *Zone, 289 lm*	■ K27 *2,700K*	■ SP *20°*	■ [default] *½" NPSM thread, UL Listed*	■ [default] *Standard Shroud (45º)*	■ BL *Black*	
	■ 6LED *Zone, 512 lm*		■ FL *35°*	■ e *Bracket Mount, CE Certified*	■ LS *Long Shroud (60º)*	■ 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] *45º*			■ SL *Anodic Silver*	
						■ WT *White*	
						■ DB *Dark Bronze*	
						■ LT *Latte*	
						■ DA *Dark Aluminum*	
						■ CC *Custom RAL*	

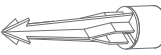EXAMPLE LUMINAIRE CONFIGURATION: dAXS-7-ZD-K27-FL-SL†

dAXS-7 – ☐ – ☐ – ☐ – ☐ – ☐ – ☐

* Ships with ProAim Ratcheting Spike.
† Hyphens are for readability purposes only.

d**Axis**-7 ORDERING INFORMATION

MOUNTING OPTIONS: Specify Separately

Item	Code†	
▪ **POST MOUNT** *2.5" (64 mm) x 13" (330 mm)*	PM-XX*	
▪ **GROUND MOUNT** *2.7" (67 mm) Diameter*	GM-XX*	
▪ **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*	
▪ **SUPER J-BOX SPIKE** *2.5" (64 mm) x 12" (305 mm)*	SJ-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*	

* 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.

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	

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*	

dAxis-7 PHOTOMETRICS

dAxis-7 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' (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)

dAxis-7 6 LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 19.3°	Horizontal 19.9°
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' (3.3 m)	18.3' (5.6 m)

dAxis-7 9 LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 19.3°	Horizontal 19.9°
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)	8.0' (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)

dAxis-7 ZDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 38.3°	Horizontal 40.4°
5' (1.5 m)	7.5 fc (80 lx)	3.5' (1.1 m)	3.7' (1.1 m)
10' (3.0 m)	1.9 fc (20 lx)	6.9' (2.1 m)	7.4' (2.3 m)
15' (4.6 m)	0.8 fc (9 lx)	10.4' (3.2 m)	11.1' (3.4 m)
20' (6.1 m)	0.5 fc (5 lx)	13.9' (4.2 m)	14.7' (4.5 m)
25' (7.6 m)	0.3 fc (3 lx)	17.4' (5.3 m)	18.4' (5.6 m)
30' (9.1 m)	0.2 fc (2 lx)	22.1' (6.3 m)	22.1' (6.7 m)

Note: Photometric data displayed using 3,900K with a 20° beam angle. ZDC option defaults to a Wide Flood.