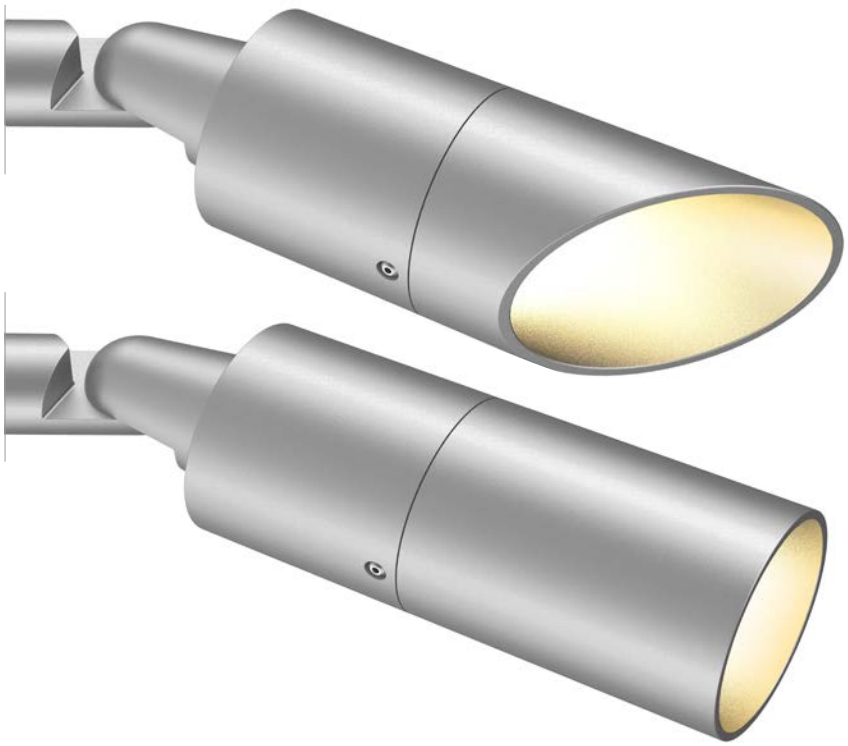
LUMASCAPE



TYPE	
CATALOG #	
PROJECT	
NOTES	

Optional "e"
International Version

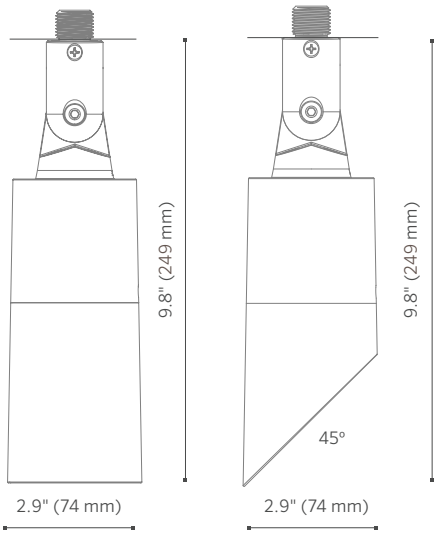
LED DIRECTIONAL LUMINAIRE

*d*Chaz-6

This flexible directional luminaire is available with several mounting options. Accepts MR-16 lamps.

Quick Facts

- Die-cast aluminum
- Two-layer, marine-grade anodization and powder-coat finish
- MR-16 GU5.3 base
- ProAim® adjustability
- Tamper-resistant features
- Compatible with Luxor® Technology
- Phase and Luxor dimmable
- Input voltage: 10 to 15 Vac/Vdc



*d*Chaz-6 SPECIFICATIONS

Output	NL	LED20WFL	LED35WFL	ZD35WFL
Total Lumens	--	261	337	337
Input Voltage	10 to 15 Vac/Vdc	10 to 15 Vac/Vdc	10 to 15 Vac/Vdc	10 to 15 Vac/Vdc
Input Power	--	4.0 W	5.0 W	5.0 W
Power Consumption (VA)	--	4.3 W	5.4 W	5.4 W
Efficacy (lm/W)	--	65	65	65
Color Rendering Index (CRI)	--	80	82	80+
Center Beam Candlepower				
Spot (20°)	--	756	844	844
Dimming	--			
Primary Dimming (Transformer)		Consult transformer specifications		
Secondary Dimming (Luminaire)		Phase-cut**	Phase-cut**	Phase-cut**
RGBW Available	--	No	No	No
Luxor Compatibility				
Default	--	--	--	Zoning
ZD Option	--	--	--	Zoning/Dimming
Minimum Rated Life L70 (hrs)	--	40,000	40,000	40,000

*** 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
LED MR-16 lamp with Cree® LEDs. Proprietary onboard intelligent driver uses firmware-controlled temperature regulation, maximizing LED life. Field upgradable and replaceable, the LEDs are rated to 40,000 hrs.

Housing
Die-cast aluminum housing with capacity for one standard MR-16 lamp.

Optics
Color temperature and beam angle defined by part number. Beam angle is field serviceable (specify separately). Stainless steel spring in housing ensures the lamp and additional lenses stay flush against the glass lens, optimizing output and beam angles. Recess the lamp farther inside the housing to hide additional glare with the RecessorRing® Spacer (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
MR16 GU5.3 socket with retaining clips. Ceramic socket base with heat-resistant contact pad. Stainless steel retaining clips ensure high spring force retention.

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).

Shroud
Die-cast aluminum shroud with 45° 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.

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 3⁄16" setscrew. Includes ABS Ratcheting Spike for 360° horizontal rotation in 10° increments. Tamper-resistant locking screw included.

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

Weight
1.5 lbs (0.7 kg)

Control
The **ZDC**link Controller utilizes Luxor Technology to zone light luminaires in up to 250 groups and dim each group in 1% increments between 0% and 100%. Select the ZD option for zoning/dimming.

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

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

Find more product resources at lumascape.com

dChaz-6 ORDERING INFORMATION

Luminaire	Control + Output	Compliance	Options	Finish	
dCHZ-6	■ **NL** *No Lamp Provided*	■ **[default]** *½" NPSM thread, UL Listed*	■ **[default]** *Angled (45°)*	■ **BL** *Black*	
	■ **LED20WFL** *261 lm, 2,700K, 35°*	■ **e** *Bracket Mount, CE Certified*	■ **SS** *Straight (90°)*	■ **AG** *Anthracite Gray*	
	■ **LED35WFL** *337 lm, 2,700K, 35°*			■ **BT** *Basalt Gray*	
	■ **ZD35WFL** *Zone/Dim, 337 lm, 2,700K, 35°*			■ **GH** *Graphite Gray*	
				■ **SL** *Anodic Silver*	
				■ **WT** *White*	
				■ **DB** *Dark Bronze*	
				■ **LT** *Latte*	
				■ **DA** *Dark Aluminum*	
				■ **CC** *Custom RAL*	

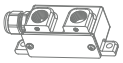
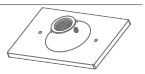
EXAMPLE LUMINAIRE CONFIGURATION: dCHZ-6-LED35WFL-SS-SL[†]

dCHZ-6	–		–		–		–	

[†] Hyphens are for readability purposes only.

*d**Chaz**-6* ORDERING INFORMATION

MOUNTING OPTIONS: Specify Separately

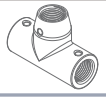
Item	Code†	
GUTTER MOUNT *4.0" (102 mm) x 4.0" (102 mm)*	GM-SS	
VERSABOX® MOUNT *2.2" (57 mm) x 1.5" (39 mm)*	VB-050-XX*	
MINI J-BOX *3.5" (89 mm) x 1.3" (34 mm)*	MJB-050-XX*	
TREEBOX® MOUNT *5.4" (138 mm) x 1.9" (49 mm)*	TB-XX*	
WALL PLATES *3.4" (85 mm) x 5.1" (129 mm)*	WP-1G-050-XX*	
WALL PLATES *5.0"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

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*	

** 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	
RECESSORRING *MR-16 Size*	RRMR16	

*d*Chaz-6 PHOTOMETRICS

*d*Chaz LED20WFL Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candles (Lux)	Vertical 28°
3' (0.9 m)	69.5 fc (748 lx)	1.5' (0.5 m)
6' (1.8 m)	17.4 fc (187 lx)	3.0' (0.9 m)
9' (2.7 m)	7.7 fc (83 lx)	4.4' (1.3 m)
12' (3.7 m)	4.4 fc (47 lx)	5.9' (1.8 m)
15' (4.6 m)	2.8 fc (30 lx)	7.4' (2.3 m)
18' (5.5 m)	1.9 fc (21 lx)	8.9' (2.7 m)

*d*Chaz LED35WFL Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candles (Lux)	Vertical 35°
3' (0.9 m)	94 fc (1,012 lx)	1.7' (0.5 m)
6' (1.8 m)	24 fc (253 lx)	3.4' (1.0 m)
9' (2.7 m)	10 fc (112 lx)	5.1' (1.6 m)
12' (3.7 m)	6 fc (64 lx)	6.8' (2.1 m)
15' (4.6 m)	4 fc (41 lx)	8.4' (2.6 m)
18' (5.5 m)	2.6 fc (28 lx)	10.1' (3.1 m)

*d*Chaz ZD35WFL Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candles (Lux)	Vertical 35°
3' (0.9 m)	94 fc (1,010 lx)	1.7' (0.5 m)
6' (1.8 m)	24 fc (253 lx)	3.4' (1.0 m)
9' (2.7 m)	10 fc (112 lx)	5.1' (1.6 m)
12' (3.7 m)	6 fc (64 lx)	6.8' (2.1 m)
15' (4.6 m)	4 fc (41 lx)	8.4' (2.6 m)
18' (5.5 m)	2.6 fc (28 lx)	10.1' (3.1 m)

Note: Photometric data displayed using a 2,700K lamp with a 35° beam angle.

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