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TYPE

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CATALOG #

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PROJECT

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NOTES

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## LED DIRECTIONAL FIXTURES

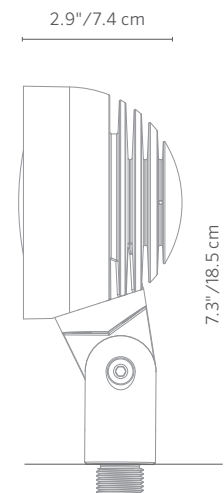
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### dFlip

Practical directional down light in 1, 3, 6, or 9 LED. Aluminum construction. An RGBW version is also available for use with **ZDC**link systems.

#### Quick Facts

- Die-cast aluminum
- Two-layer marine-grade anodization and powder coat finish
- Cree® Integrated LEDs
- ProAim™ adjustability
- Tamper resistant features
- Color temperature filters
- Compatible with Luxor® technology
- Dimmable
- Input voltage: 10-15V



# dFlip SPECIFICATIONS

Output	1LED	3LED	6LED	9LED	ZDC
<b>Total Lumens<sup>†</sup></b>	102	268	460	552	188
<b>Input Voltage</b>	10 to 15V	10 to 15V	10 to 15V	10 to 15V	11 to 15V
<b>Input Power (W)</b>	2.0	4.2	10.1	11.2	9.1
<b>VA</b>	2.4	4.5	13.5	13.5	11.0
<b>Efficacy (Lumens/Watt)</b>	51.0	64.0	57.0	54.0	36.0
<b>Color Rendering Index (CRI)</b>	83.0	83.0	83.0	83.0	84.0
<b>Center Beam Candle Power*</b>					
<b>Spot (17-20)</b>	388	1172	1434	1769	159
<b>Dimming</b>	PWM, Phase**	PWM, Phase**	PWM, Phase**	PWM, Phase**	--
<b>RGBW Available</b>	No	No	No	No	Yes
<b>Luxor Compatibility</b>					
<b>Default</b>	Zoning	Zoning	Zoning	Zoning	--
<b>ZD Option</b>	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	--
<b>ZDC Option</b>	--	--	--	--	Zoning/Dimming/ Color
<b>Minimum Rated Life (L70)</b>	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000Hrs

\* Information not available for Flood or Wide Flood \*\* For optimal performance, use trailing edge phase cut dimmer

† Measured using the 3900K CCT lens. Multipliers for other CCT's include 0.80 (2700K), 0.65 (4500K), and 0.65 (5200K)

## Holm

Holm. Born from an industry demand for a comprehensive offering of distinctive line and low voltage lighting fixtures for the commercial market. Our products are designed to meet required specifications while echoing the aesthetics of the project. Holm is a Hunter Industries company with more than three decades of engineering expertise, now bringing its Luxor<sup>®</sup> technology to the commercial architectural and landscape lighting market.

## Materials

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

## Lamp

Integrated module with Cree LEDs. Gold plated connectors and conformal coated for maximum reliability and corrosion resistance. Proprietary on-board intelligent driver uses firmware-controlled temperature regulation, maximizing LED life. Field up-gradeable and replaceable, the LEDs are rated to 50,000 hrs. Maximum drive current: 1 A

## Optics

Polycarbonate color temperature adjustment lenses included with fixture: 2700K (preinstalled), 3900K (no lens), 4500K, and 5200K. Color temperature lenses field serviceable. Beam angle is calculated using LM-79 method for SSL luminaires.

## Socket

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

## Wiring

18 AWG SPT-1W 105° C 300V 1.5-meter length

## Power

Input 10-15VAC/VDC 50/60Hz. Remote transformer required (specify separately). Input 11-15VAC for ZDC.

## Housing

Die-cast aluminum housing with capacity for 1LED, 3LED, 6LED, 9LED, or ZDC integrated LEDs

## Shroud

Die-cast aluminum faceplate is flat for optimal field angle.

## Knuckle

Die-cast zinc/aluminum alloy knuckle with ½-14 NPSM threads. Compress and lock features prevent slip after installation. 9° increments adjustability over 220° of vertical adjustment. Female knuckle included with riser version.

## Lens

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

## Finish

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

## Hardware

¼-20 x ¾" stainless steel angle lock screw with 10-24 x 3/8" sealing screws. Includes ratcheting ABS spike for 360° horizontal rotation in 10° increments. Tamper-resistant locking screw included.

## Ambient Operating Temperature

0°F to 140°F

## Weight

2.4 lbs.

## Control

**ZDlink** or **ZDClink** utilizes Luxor<sup>®</sup> technology to zone light fixtures 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 fixture is zoneable with **ZDlink** or **ZDClink**.

## Sustainability

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

## Installation Requirements

Designed for installation in the upward or downward directions.






## Warranty

5-year limited warranty

## Listings



# dFlip ORDERING INFORMATION










Fixture-Size	Luxor Option	Output	Riser	Finish	
dFLP*	■ [blank] Zone	■ 1LED 102 Lumens	■ [blank] No Riser	■ BZ Bronze Metallic	
	■ ZD Zone/Dim	■ 3LED 268 Lumens	■ 8R 8" Riser	■ SV Silver	
		■ 6LED 460 Lumens	■ 12R 12" Riser	■ FB Flat Black	
		■ 9LED 552 Lumens	■ 18R 18" Riser	■ FW Flat White	
	■ ZDC Zone/Dim/Color	■ [blank] 188 Lumens	■ 24R 24" Riser	■ RL RAL Color	
			■ 30R 30" Riser		
			■ 36R 36" Riser		

EXAMPLE FIXTURE CONFIGURATION: dFLP-ZD-3LED-FB






\* Ships with ProAim™ ratcheting spike



## MOUNTING OPTIONS: Order Individually

Mounts	Code	
■ SUPER J-BOX 2.5" 6.4cm x 12" 30.5cm	SJ-XX*	
■ POST MOUNT 2.5" 6.4cm x 13" 33cm	PM-XX*	
■ GROUND MOUNT 2.7" 6.7 cm Diameter	GM-XX*	
■ VERSA BOX 2.2" 5.7cm x 1.5" 3.9cm	VB-050-XX*	
■ MINI J-BOX 3.5" 8.9cm x 1.3" 3.4cm	MJ-050-XX*	
■ TREE BOX 5.4" 13.8cm x 1.9" 4.9cm	TB-XX*	
■ GUTTER MOUNT 4.0" 10.2cm x 4.0" 10.2cm	GM-SS	
■ WALL PLATES 3.4" 8.5cm x 5.1" 12.9cm	WP-1G-050-XX*	
■ WALL PLATES 5.0" 12.7cm Diameter	WP-RD-050-XX*	

## COUPLING OPTIONS: Order Individually

Couplings	Code	
■ STRAIGHT 1.3" 3.2cm x 2.0" 5.1cm	COUP-XX*	
■ 90° ELBOW 1.3" 3.2cm x 2.0" 5.1cm	ELBW-050-XX*	
■ T-MOUNT 3.0" 7.6cm x 2.2" 5.7cm	TMNT-050-XX*	

## RISER OPTIONS: Order Individually

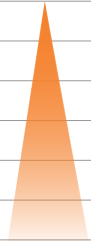
Riser	Code	
■ RISER 0.8" 2.1cm Diameter	YY-R-XX*	
■ SIGN LIGHT RISER 0.8" 2.1cm Diameter w/ 45° Inward Curve	YY-R-SL-XX*	

\*YY = riser height in inches (6" increments between 6" and 36"),  
XX = finish code

# dFlip PHOTOMETRICS

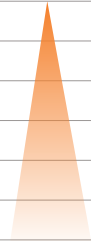
## dFlip 1LED Illuminance at a Distance

Feet	Center Beam Fc	Beam Width	
Vertical 18.8°			
4.0 ft	24.3 fc	1.3 ft	
8.0 ft	6.1 fc	2.6 ft	
12.0 ft	2.7 fc	4.0 ft	
16.0 ft	1.5 fc	5.3 ft	
20.0 ft	1.0 fc	6.6 ft	
24.0 ft	0.7 fc	7.9 ft	




## dFlip 3LED Illuminance at a Distance

Feet	Center Beam Fc	Beam Width	
Vertical 18.0°			
4.0 ft	73.3 fc	1.3 ft	
8.0 ft	18.3 fc	2.5 ft	
12.0 ft	8.1 fc	3.8 ft	
16.0 ft	4.6 fc	5.1 ft	
20.0 ft	2.9 fc	6.3 ft	
24.0 ft	2.0 fc	7.6 ft	




## dFlip 6LED Illuminance at a Distance

Feet	Center Beam Fc	Beam Width	
Vertical 23.0°			
4.0 ft	89.6 fc	1.6 ft	
8.0 ft	22.4 fc	3.3 ft	
12.0 ft	10.0 fc	4.9 ft	
16.0 ft	5.6 fc	6.5 ft	
20.0 ft	3.6 fc	8.1 ft	
24.0 ft	2.5 fc	9.8 ft	



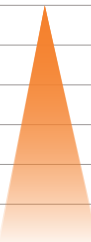
## dFlip 9LED Illuminance at a Distance

Feet	Center Beam Fc	Beam Width	
Vertical 23.0°			
4.0 ft	111.0 fc	1.6 ft	
8.0 ft	27.6 fc	3.3 ft	
12.0 ft	12.3 fc	4.9 ft	
16.0 ft	6.9 fc	6.5 ft	
20.0 ft	4.4 fc	8.2 ft	
24.0 ft	3.1 fc	9.8 ft	



## dFlip zDC Illuminance at a Distance

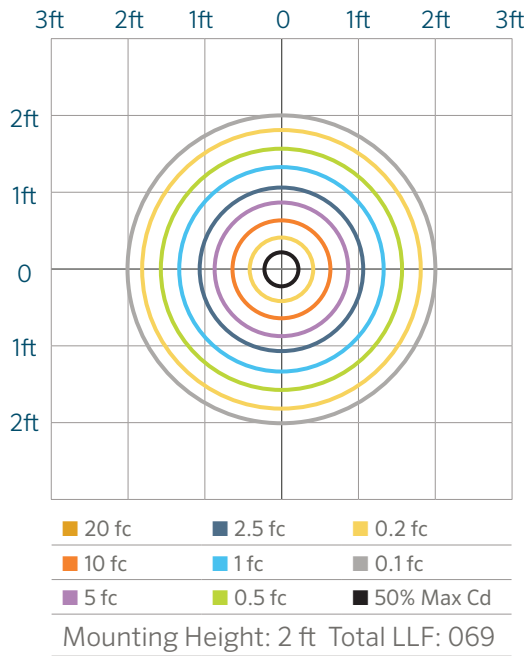
Feet	Center Beam Fc	Beam Width	
Vertical 57.3°			
4.0 ft	9.9 fc	4.4 ft	
8.0 ft	2.5 fc	8.7 ft	
12.0 ft	1.1 fc	13.1 ft	
16.0 ft	0.6 fc	17.5 ft	
20.0 ft	0.4 fc	21.8 ft	
24.0 ft	0.3 fc	26.2 ft	



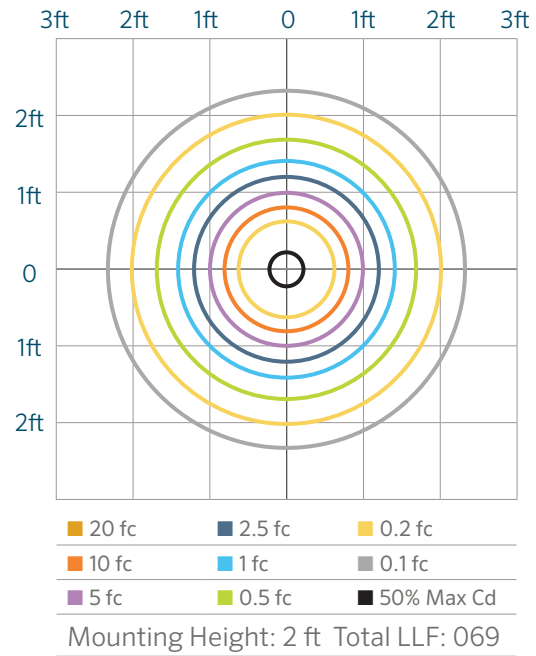
NOTE: Photometric data displayed using 3900K filter with 20° spot lens. ZDC option defaults to wide flood.

# dFlip PHOTOMETRICS

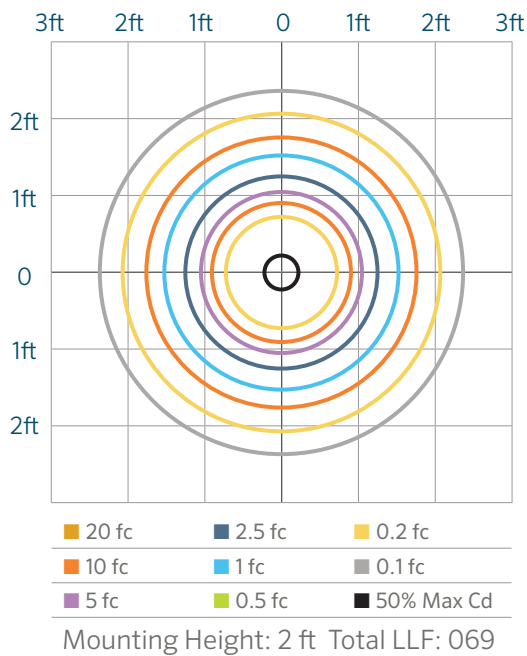
dFlip 1LED Isofootcandle Plot



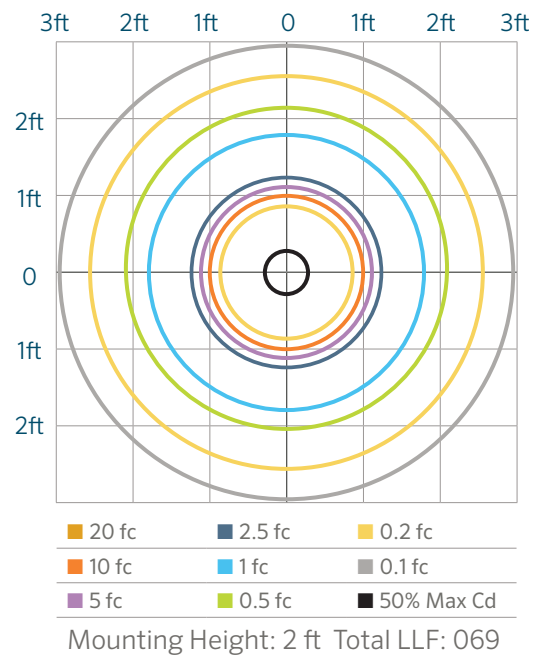
dFlip 3LED Isofootcandle Plot



dFlip 6LED Isofootcandle Plot

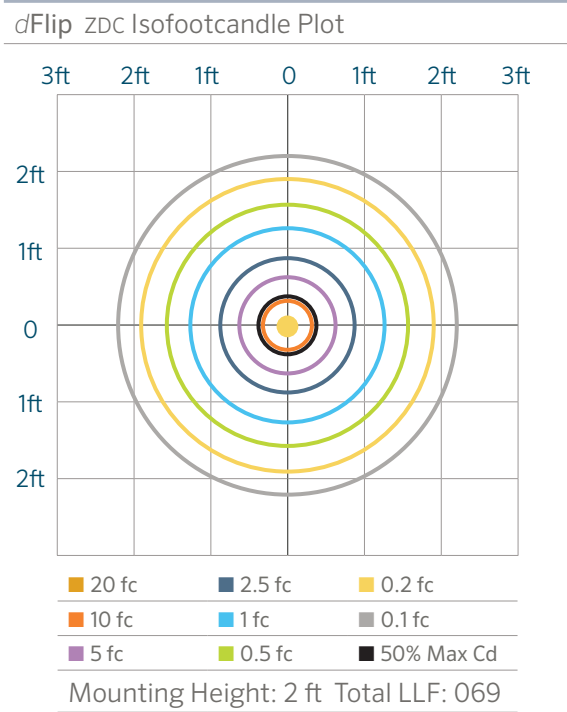


dFlip 9LED Isofootcandle Plot



NOTE: Photometric data displayed using 3900K filter with 20° spot lens. ZDC option defaults to wide flood.

# dFlip PHOTOMETRICS



NOTE: Photometric data displayed using 3900K filter with 20° spot lens. ZDC option defaults to wide flood.