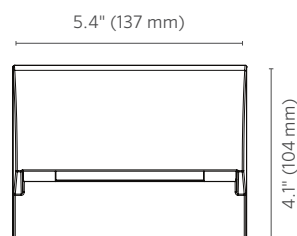# LUMASCAPE

CV: Curved

FT: Flat
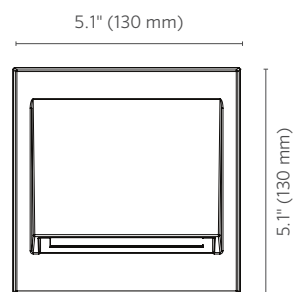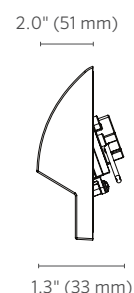
LED RECESSED LUMINAIRES

rHatch-12

This versatile wall luminaire is offered in 1 LED, 3 LED, and ZDC configurations. It is available with two faceplate options to maximize design flexibility in a range of applications.

Quick Facts
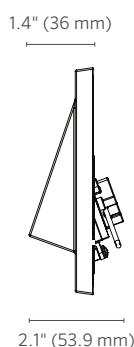
- Die-cast aluminum
- Two-layer, marine-grade anodization and powder-coat finish
- Glare-free shielding
- Tamper-resistant features
- Cree® integrated LEDs
- Compatible with Luxor® Technology
- Phase and Luxor dimmable
- Input voltage: 10 to 15 Vac/Vdc

5.4" (137 mm)

4.1" (104 mm)

2.0" (51 mm)

1.3" (33 mm)

CV: Curved

5.1" (130 mm)

5.1" (130 mm)

1.4" (36 mm)

2.1" (53.9 mm)

FT: Flat

rHatch-12 SPECIFICATIONS

Output	1 LED	3 LED	ZDC
Total Lumens[†]	49	132	166
Input Voltage	10 to 15 V	10 to 15 V	11 to 15 V
Input Power	2.0 W	4.2 W	6.0 W
Power Consumption (VA)	2.4	4.5	7.2
Efficacy (lm/W)	24	32	24
Color Rendering Index (CRI)	80+	80+	80+
Max Candela	38	80	108
Dimming			
Primary Dimming (Transformer)	Consult transformer specifications		
Secondary Dimming (Fixture)	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 L90 B10 (Hrs)	55,000	55,000	55,000

[†] *Measured using the 3,900K CCT lens. Multipliers for other CCTs include 0.80 (2,700K), 0.65 (4,500K), and 0.65 (5,200K).*
** *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 body with stainless steel setscrews, mounting brackets, and fasteners.

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

Lamp
Integrated module with Cree LEDs. Gold-plated connectors and conformal coating 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 55,000 hrs. Maximum drive current: 1 A.

Housing
Die-cast A380 aluminum body with capacity for 1 LED, 3 LED, or ZDC integrated LEDs.

Faceplate
Die-cast A380 aluminum faceplate with UV-stabilized acrylic lens.

Hardware
Stainless steel machine screws.

Lens
UV-stabilized acrylic with shock resistance and high tolerance for thermal expansion and stress.

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

Power
Input 0 to 15 VAC/VDC, 50/60 Hz. Remote transformer required (specify separately).

Optics
Polycarbonate color temperature adjustment lenses included with fixture: 2,700K (preinstalled), 3,900K (no lens), 4,500K, and 5,200K. Beam angle is calculated using the LM-79 method for SSL fixtures.

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

Control
ZD or ZDC utilizes Luxor Technology to zone 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 Luxor Controller.

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

Weight
1.0 lb (0.5 kg)

Installation Requirements
Designed for recessed installation in a vertical surface. Included mounting bracket fits most single-gang junction boxes.

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.

Manufacturing
ISO 9001:2015 certified facility

Warranty
10-year limited warranty

Listings

c UL us LISTED   RoHS COMPLIANT   UL MX - NOM

rHatch-12 ORDERING INFORMATION

Luminaire	Luxor Option	Output	Color Temp	Faceplate	Finish	
■ rHCH-12	■ [default] *Zone*	■ 1LED *49 lm*	■ W *Warm 2,700K*	■ CV *Curved*	■ BL *Black*	
	■ ZD *Zone/Dim*	■ 3LED *132 lm*		■ FT *Flat*	■ SL *Anodic Silver*	
	■ ZDC *Zone/Dim/Color*	■ [default ZDC] *166 lm*	■ [default ZDC] *RGBW*		■ LT *Latte*	
					■ AG *Anthracite Gray*	
					■ WT *White*	
					■ DA *Dark Aluminum*	
					■ BT *Basalt Gray*	
					■ DB *Dark Bronze*	
					■ CC *Custom RAL*	

EXAMPLE LUMINAIRE CONFIGURATION:
RHCH-12-ZD-3LED-W-CV-SL[†]
[†] Hyphens are for readability purposes only.

rHCH-12 - [ ] - [ ] - [ ] - [ ] - [ ]

ACCESSORIES: Specify Separately

Item	Code
■ **SINGLE-GANG JUNCTION BOX** *New work (18 in³/295 cm³)*	JB1GNWNM
■ **DIMMABLE TRANSFORMER** *60 W, 120 V input, 12 V output*	ST120DIM
■ **TRANSFORMER** *80 W, 277 V input, 12 V output*	ST277

rHatch-12 PHOTOMETRICS

rHatch-12 CV 1 LED Isofootcandle Plot

In Multiples of Mounting Height

■ 20 fc (215 lx)	■ 2.5 fc (27 lx)	■ 0.2 fc (2 lx)
■ 10 fc (108 lx)	■ 1 fc (11 lx)	■ 0.1 fc (1 lx)
■ 5 fc (54 lx)	■ 0.5 fc (5 lx)	■ 50% Max Cd

Mounting Height: 2' (0.6 m) Total LLF: 1
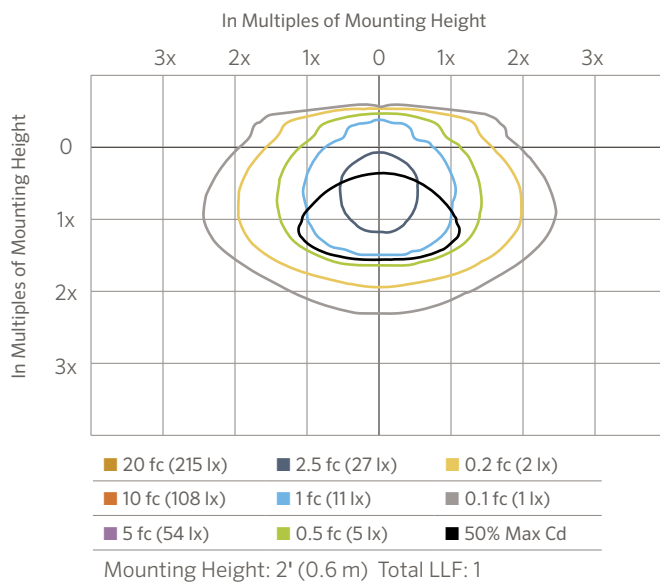
rHatch-12 CV 3 LED Isofootcandle Plot

In Multiples of Mounting Height

■ 20 fc (215 lx)	■ 2.5 fc (27 lx)	■ 0.2 fc (2 lx)
■ 10 fc (108 lx)	■ 1 fc (11 lx)	■ 0.1 fc (1 lx)
■ 5 fc (54 lx)	■ 0.5 fc (5 lx)	■ 50% Max Cd

Mounting Height: 2' (0.6 m) Total LLF: 1
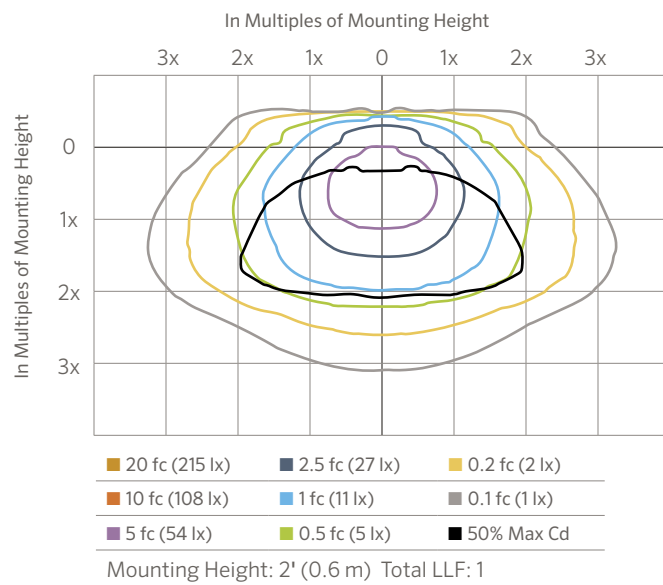
rHatch-12 CV ZDC Isofootcandle Plot

In Multiples of Mounting Height

■ 20 fc (215 lx)	■ 2.5 fc (27 lx)	■ 0.2 fc (2 lx)
■ 10 fc (108 lx)	■ 1 fc (11 lx)	■ 0.1 fc (1 lx)
■ 5 fc (54 lx)	■ 0.5 fc (5 lx)	■ 50% Max Cd

Mounting Height: 2' (0.6 m) Total LLF: 1

rHatch-12 PHOTOMETRICS
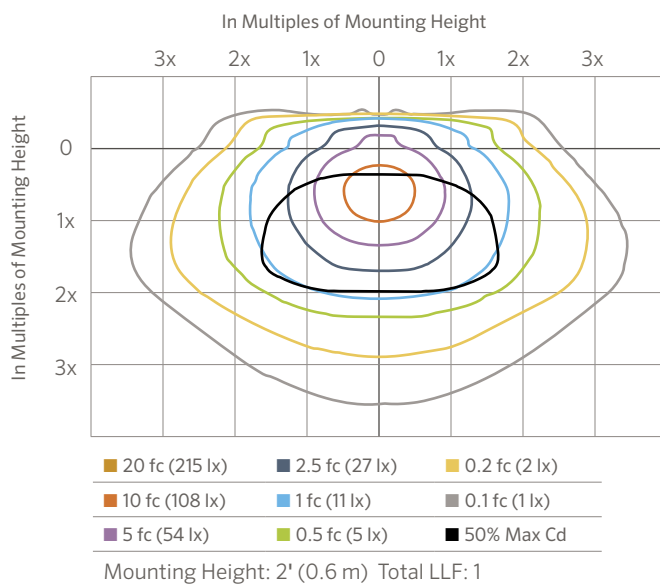
rHatch-12 FT 1 LED Isofootcandle Plot

In Multiples of Mounting Height

In Multiples of Mounting Height

- ■ 20 fc (215 lx)
- ■ 2.5 fc (27 lx)
- ■ 0.2 fc (2 lx)
- ■ 10 fc (108 lx)
- ■ 1 fc (11 lx)
- ■ 0.1 fc (1 lx)
- ■ 5 fc (54 lx)
- ■ 0.5 fc (5 lx)
- ■ 50% Max Cd

Mounting Height: 2' (0.6 m) Total LLF: 1
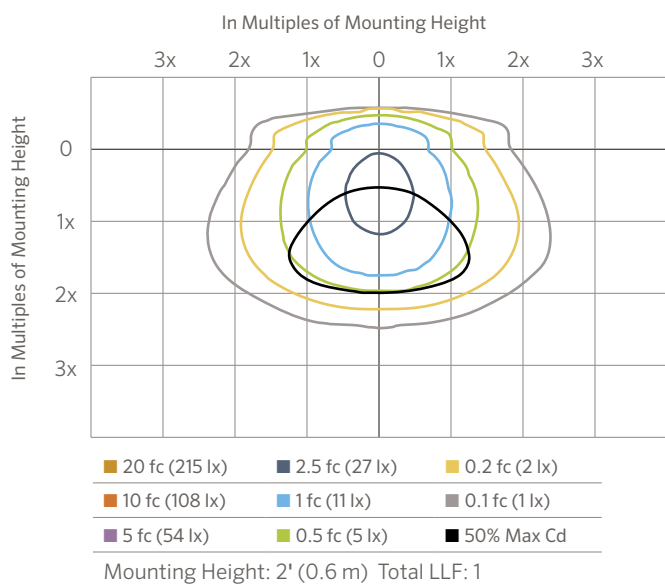
rHatch-12 FT 3 LED Isofootcandle Plot

In Multiples of Mounting Height

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- ■ 20 fc (215 lx)
- ■ 2.5 fc (27 lx)
- ■ 0.2 fc (2 lx)
- ■ 10 fc (108 lx)
- ■ 1 fc (11 lx)
- ■ 0.1 fc (1 lx)
- ■ 5 fc (54 lx)
- ■ 0.5 fc (5 lx)
- ■ 50% Max Cd

Mounting Height: 2' (0.6 m) Total LLF: 1
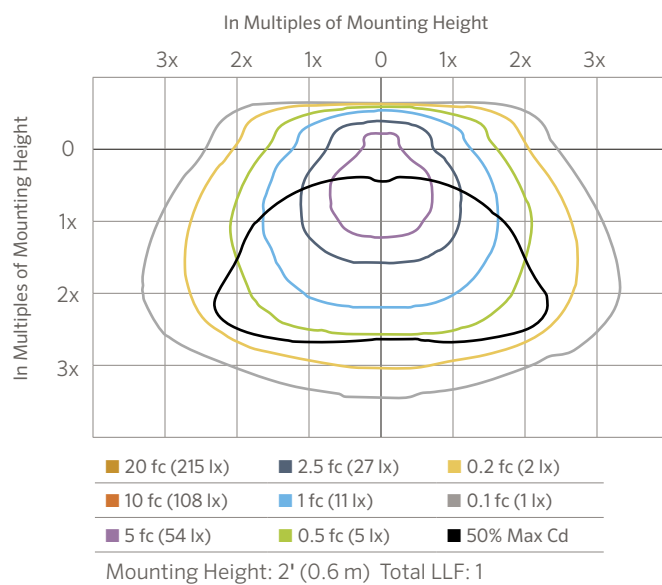
rHatch-12 FT ZDC Isofootcandle Plot

In Multiples of Mounting Height

In Multiples of Mounting Height

- ■ 20 fc (215 lx)
- ■ 2.5 fc (27 lx)
- ■ 0.2 fc (2 lx)
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- ■ 50% Max Cd

Mounting Height: 2' (0.6 m) Total LLF: 1

Find more product resources at lumascape.com