

LEDVANCE Luminaires

DUAL SELECTABLE DOWNLIGHTS

SUPERIOR CLASS

Application

The LEDVANCE Superior Class Dual Selectable Recessed Downlight offers a high performance light for commercial buildings, offices, hotels, museums and restaurants. Lumen and color selectable with semi-specular reflector and low glare, it is the ideal solution for any project.

Benefits and Features

- High performance comfortable light with semi-specular reflector and low glare (UGR<19)
- Magnets on the reflectors make it easy to switch from the standard semi-specular to white or specular options
- 2700K, 3000K, 3500K, 4000K or 5000K color temperature selectable, enabled via the switches on the junction box
- 3-Lumen outputs in one product for application versatility
- Optional white and specular reflectors available as accessories
- High CRI (>90) ensures a high-quality light
- Remote driver with junction box
- ENERGY STAR® rated to maximize rebate opportunities
- Up to 95 LPW
- Energy savings up to 60%

Electrical

- 120VAC or 120-347VAC
- Power Factor >0.90
- THD <20%
- 0-10V dimmable or phase-cut dimmable (see Ordering Guide for further details)

Rated Life

- 50,000 hours (L₇₀)

Warranty

- 5-year
- NLB Trusted Warranty Program

Certifications and Listings

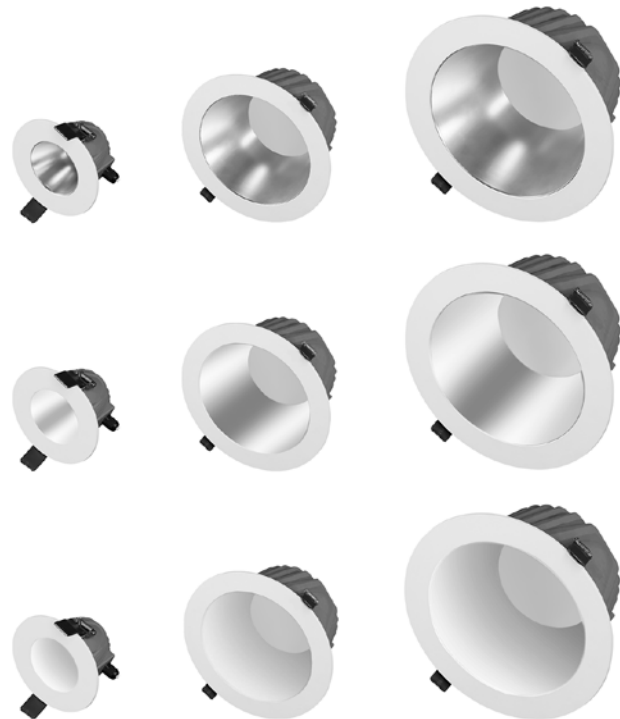
- cETLus
- RoHS
- FCC
- ENERGY STAR®
- TAA
- Classified for stand-alone and retrofit applications as per UL 1598/1598C
- IC rated for direct contact with insulation, allowing for installation without a housing (except for 3000lm version)
- Certified airtight as per ASTM E283-04
- Suitable for dry, damp, and wet locations



RT4

RT6

RT8



Operating Temperature

- -4°F to +104°F (-20°C to +40°C)

Wattage Comparison

Traditional Source	LED System Wattage	Energy Savings
9W CFL	7W	22%
13W CFL	9.5W	27%
18W CFL	12/12.5W	33%/31%
32W CFL	16W/18W	50%/44%
2x26W CFL	21W/25W	60%/52%
2x32W CFL	31W/37W	52%/42%



LEDLUM172R6 8-25

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

RTX	6A	SXXXX	XXX	X	9	SC3	WH	SS
Product Name/Size	Generation	Selectable Lumens	Voltage	Dimming	CRI	Selectable CCT	Color / Finish	Reflector Finish
RT 4 = 4" downlight	6A = Generation 6A	900 = up to 900lm	UNH = 120-347V	D = 0-10V	9 = >90	SC3 = 2700K/3000K/3500K/4000K/5000K	WH = White	SS = Semi-specular
RT6 = 6" downlight		950 = up to 950lm	S = 120V	T = phase-cut				
RT 8 = 8" downlight		2000 = up to 2000lm						
		3000 = up to 3000lm						

Ordering Information

Item Number	Ordering Abbreviation	Selectable Wattage	Input Voltage (V)	Dimming	CRI	Selectable CCT	Selectable Lumens	LPW	ENERGY STAR®	Reflector Finish	IC Rated
62922	RT46AS950UNHD9SC3WHSS	7/9.5/12.5W	120-347V	0-10V	>90	2700K/3000K/3500K/4000K/5000K	600/800/1050lm	84	Yes	Semi-specular	Yes
62923	RT66AS2000UNHD9SC3WHSS	12/16/21W	120-347V	0-10V	>90	2700K/3000K/3500K/4000K/5000K	1100/1500/2000lm	95	Yes	Semi-specular	Yes
62924	RT86AS2000UNHD9SC3WHSS	12/18/25W	120-347V	0-10V	>90	2700K/3000K/3500K/4000K/5000K	1000/1500/2100lm	84	Yes	Semi-specular	Yes
62925	RT86AS3000UNHD9SC3WHSS	25/31/37W	120-347V	0-10V	>90	2700K/3000K/3500K/4000K/5000K	2100/2600/3100lm	84	Yes	Semi-specular	No
62926	RT46AS900ST9SC3WHSS	7/9.5/12W	120V	Phase-Cut	>90	2700K/3000K/3500K/4000K/5000K	600/800/1000lm	83	Yes	Semi-specular	Yes
62927	RT66AS2000ST9SC3WHSS	11/16/21W	120V	Phase-Cut	>90	2700K/3000K/3500K/4000K/5000K	1100/1500/2000lm	95	Yes	Semi-specular	Yes
62928	RT86AS2000ST9SC3WHSS	12/18/25W	120V	Phase-Cut	>90	2700K/3000K/3500K/4000K/5000K	1000/1500/2100lm	80	Yes	Semi-specular	Yes

Dimmer Compatibility

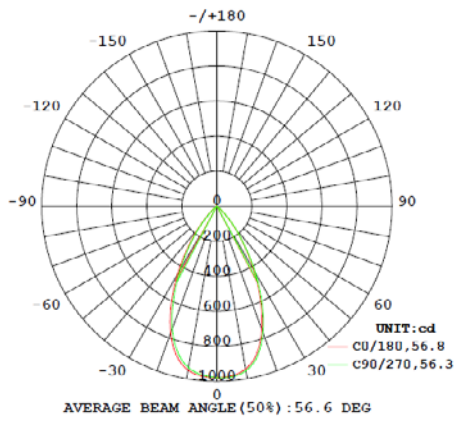
Brand	Type	Model
Leviton	0-10V	DS710
Leviton	0-10V	IP710
Lutron	0-10V	NTSTV-DV
Lutron	0-10V	NFTV
Lutron	0-10V	DVTV-WH
Legrand	0-10V	H4FBL3PW
Leviton SureSlide	L	6674
Lutron Maestro C-L	L	MACL-153M
Lutron Diva	L	DVCL-153P
Lutron Caseta	L	PD-6WCL
Legrand Radiant	L	RHCL453P
Lutron Diva	T	DVELV-300P
Lutron Maestro	T	MAELV-600

Cut-out Dimensions

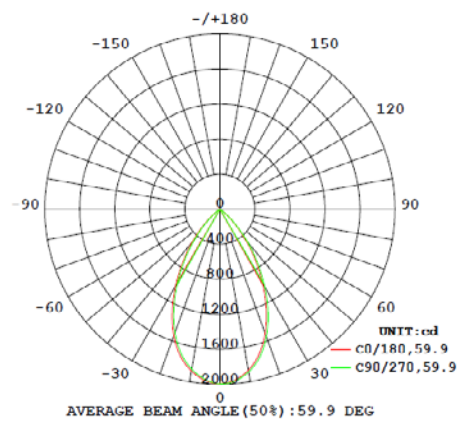
NAEDS	Description	Hole Size (mm)	Hole Size (in)
62922	RT46AS950UNHD9SC3WHSS	102	4
62923	RT66AS2000UNHD9SC3WHSS	152	6
62924	RT86AS2000UNHD9SC3WHSS	205	8.1
62925	RT86AS3000UNHD9SC3WHSS	205	8.1
62926	RT46AS900ST9SC3WHSS	102	4
62927	RT66AS2000ST9SC3WHSS	152	6
62928	RT86AS2000ST9SC3WHSS	205	8.1

Photometric Information

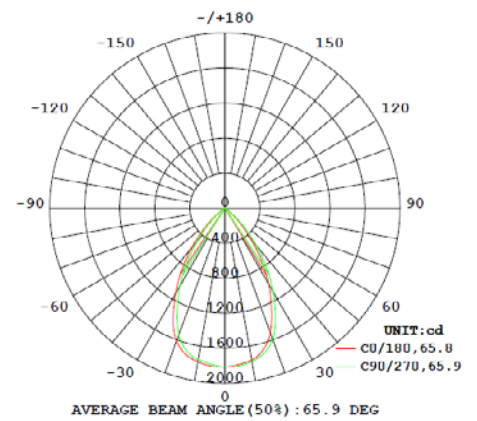
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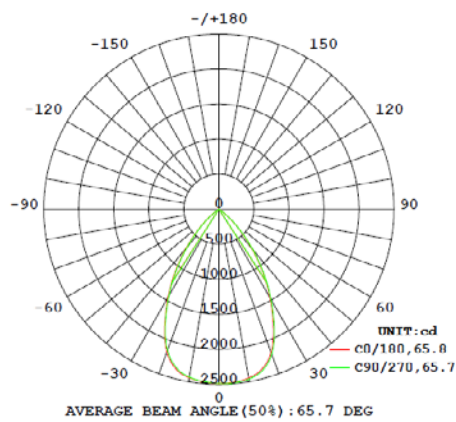
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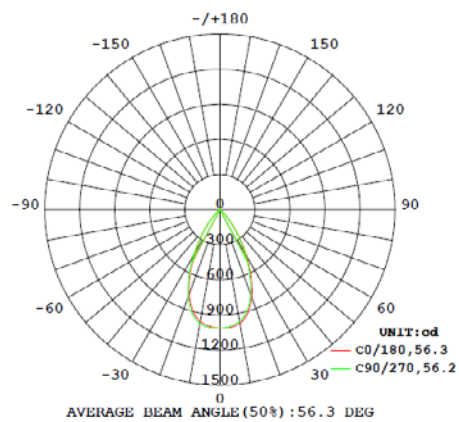
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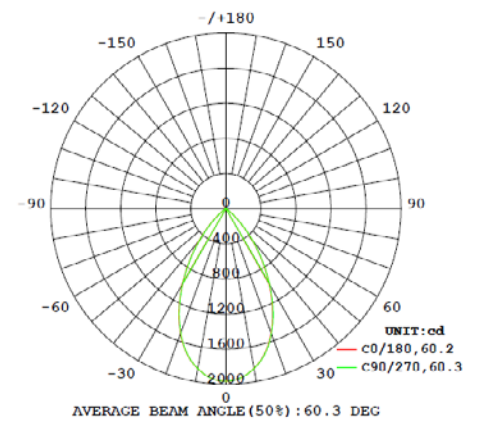
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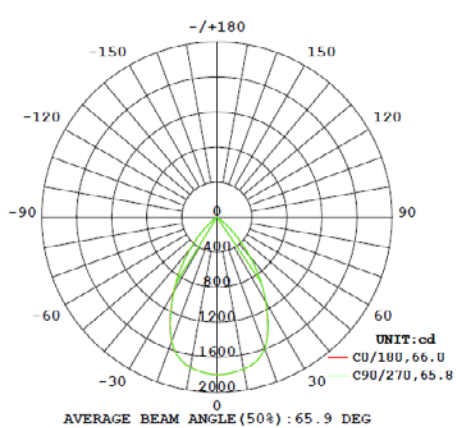
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62927

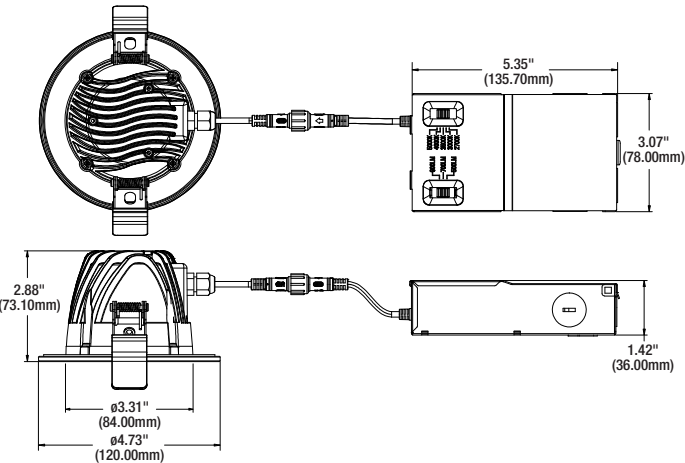


62928

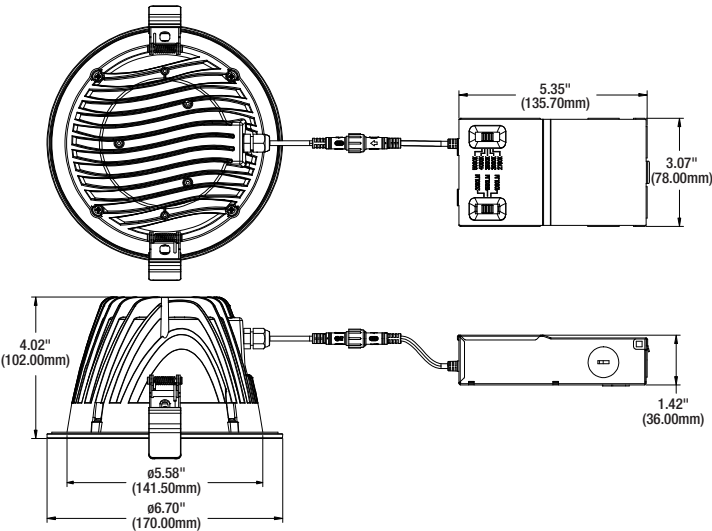


Physical Information

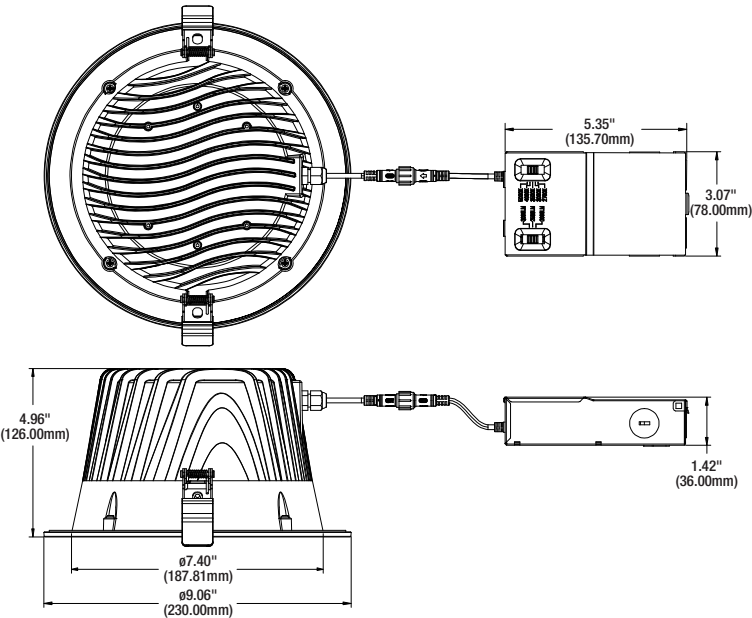
62922/62926



62923/62927



62924/62925/62928

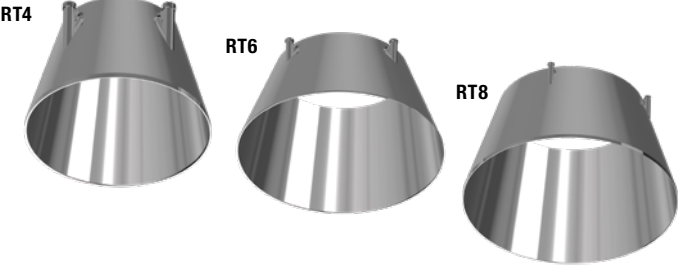


Accessories

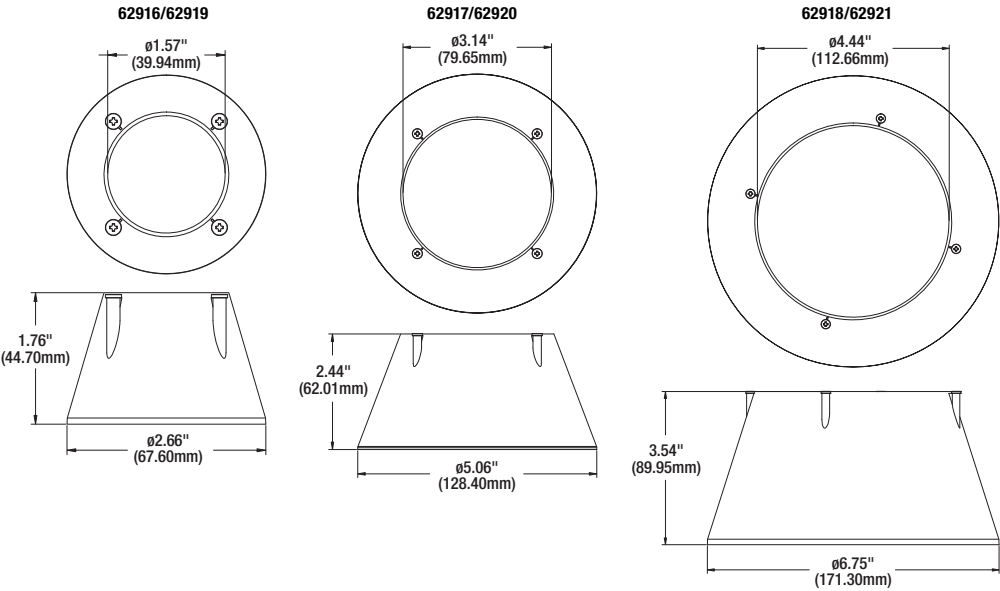
Item Number	Ordering Abbreviation	Description
62916	RT4SPREFLECT	Specular Reflector compatible with 4" units
62917	RT6SPREFLECT	Specular Reflector compatible with 6" units
62918	RT8SPREFLECT	Specular Reflector compatible with 8" units
62919	RT4WHREFLECT	White Reflector compatible with 4" units
62920	RT6WHREFLECT	White Reflector compatible with 6" units
62921	RT8WHREFLECT	White Reflector compatible with 8" units
65552*	RT68TRIMEXT4A	8" Trim Extender
65553	RT810TRIMEXT4A	10" Trim Extender
65554	RT812TRIMEXT4A	12" Trim Extender

*Item will be discontinued once inventory is depleted.

Specular Reflector

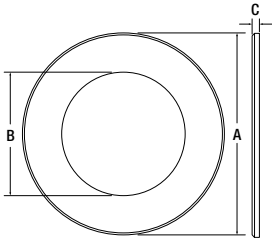


White Reflector



Trim Ring Extender Dimensions

Product Description	(A) Outer Diameter in (mm)	(B) Inner Diameter in (mm)	(C) Thickness in (mm)
65552	5.05 (128.35)	9.06 (230.00)	0.307 (7.80)
65553	6.76 (171.70)	12.6 (320.00)	0.358 (9.10)
65554	6.76 (171.70)	13.94 (354.00)	0.358 (9.10)



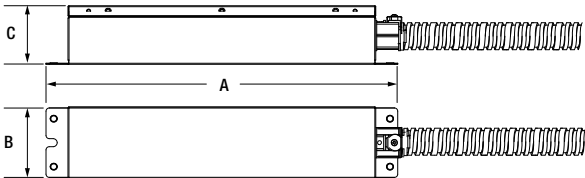
Emergency Battery Back-Up Accessories

For the EMBB application you must use the field-installable emergency back-up components listed below (sold separately). Those EMBBs can only be used with the UNH Downlight versions.

Emergency Battery Back-Up Specs

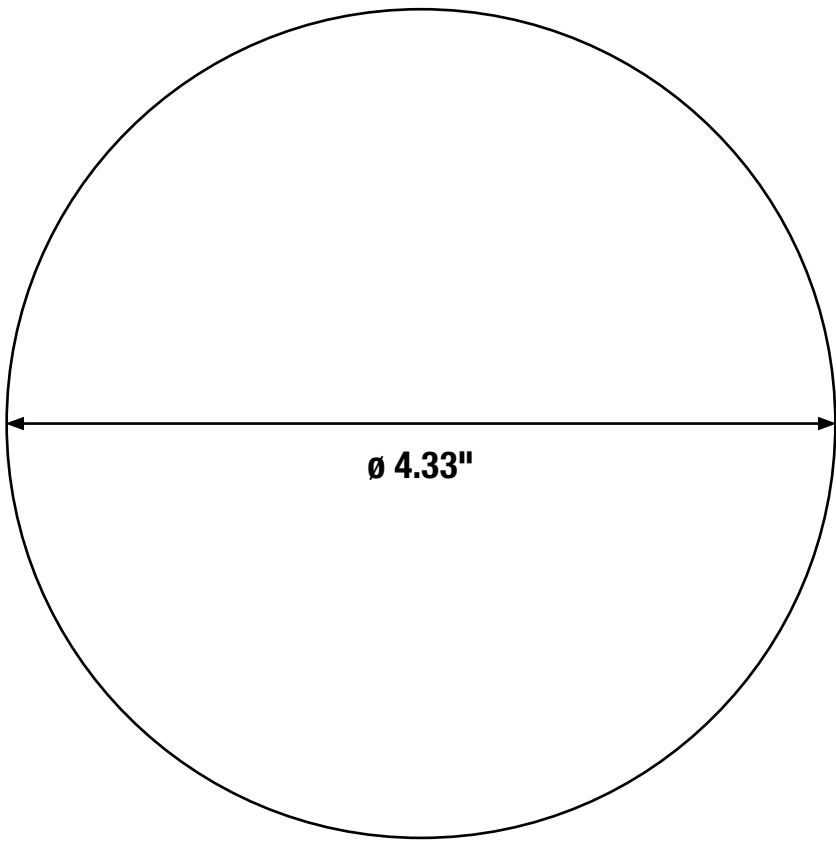
NAED	Description	Input Voltage	Frequency	Input Current	Watt Hours	Max Mounting Height	Ambient Temp	Charging Time	Rating	Warranty
62367	EMBB2A8WUNVDC	100-277V _{AC}	50/60Hz	120mA Max	33.6Wh	21.6ft	0-50°C	24 hours	Damp	5 years
62368	EMBB2A8WUNHDC	100-347V _{AC}	50/60Hz	120mA Max	33.6Wh	21.6ft	0-50°C	24 hours	Damp	5 years

Description	(A) Length in (mm)	(B) Width in (mm)	(C) Height in (mm)
EMBB	12.9 (330)	2.6 (67)	2.2 (55)



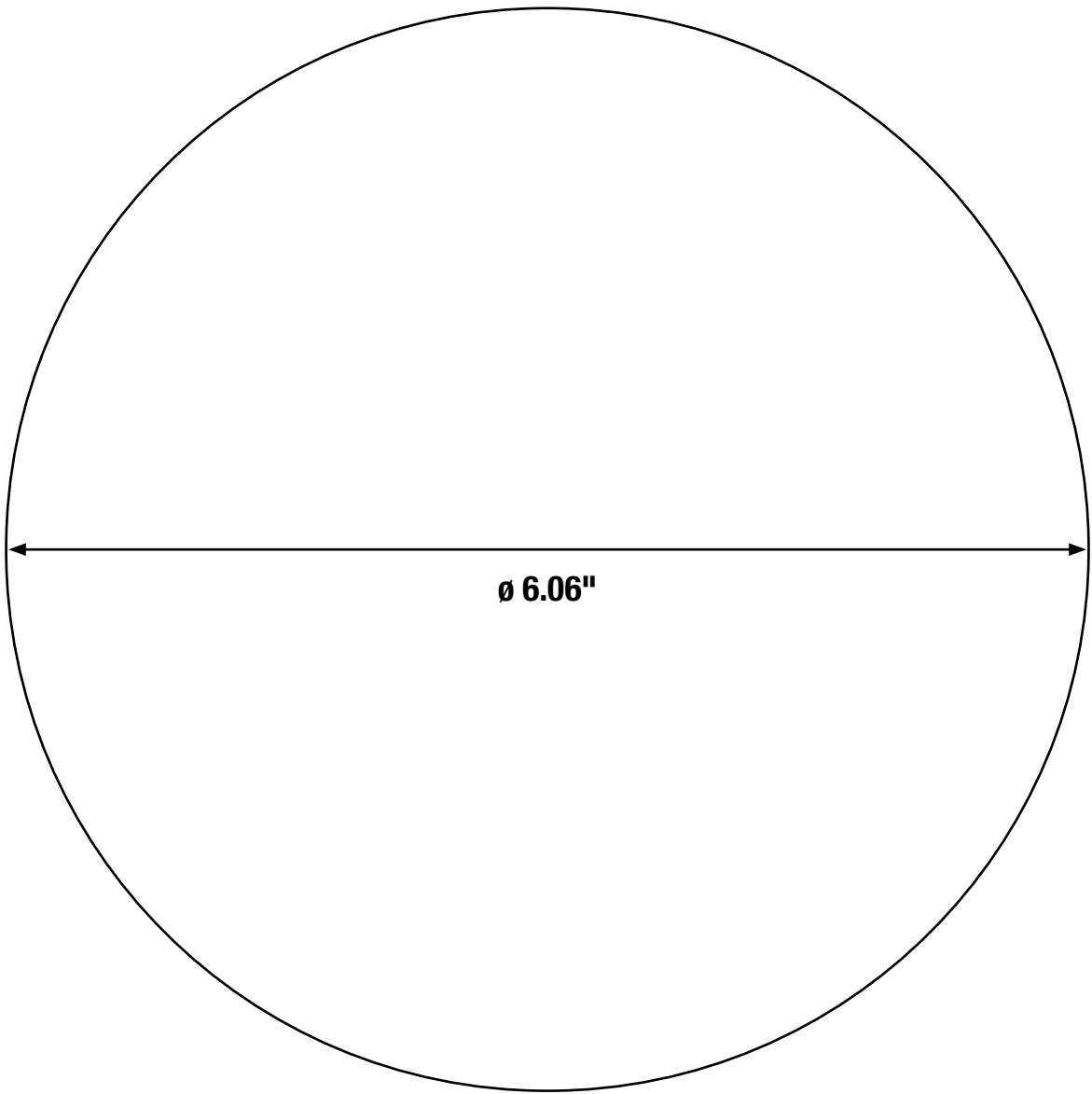
Hole Cut Templates

RT4 Hole Cut Template



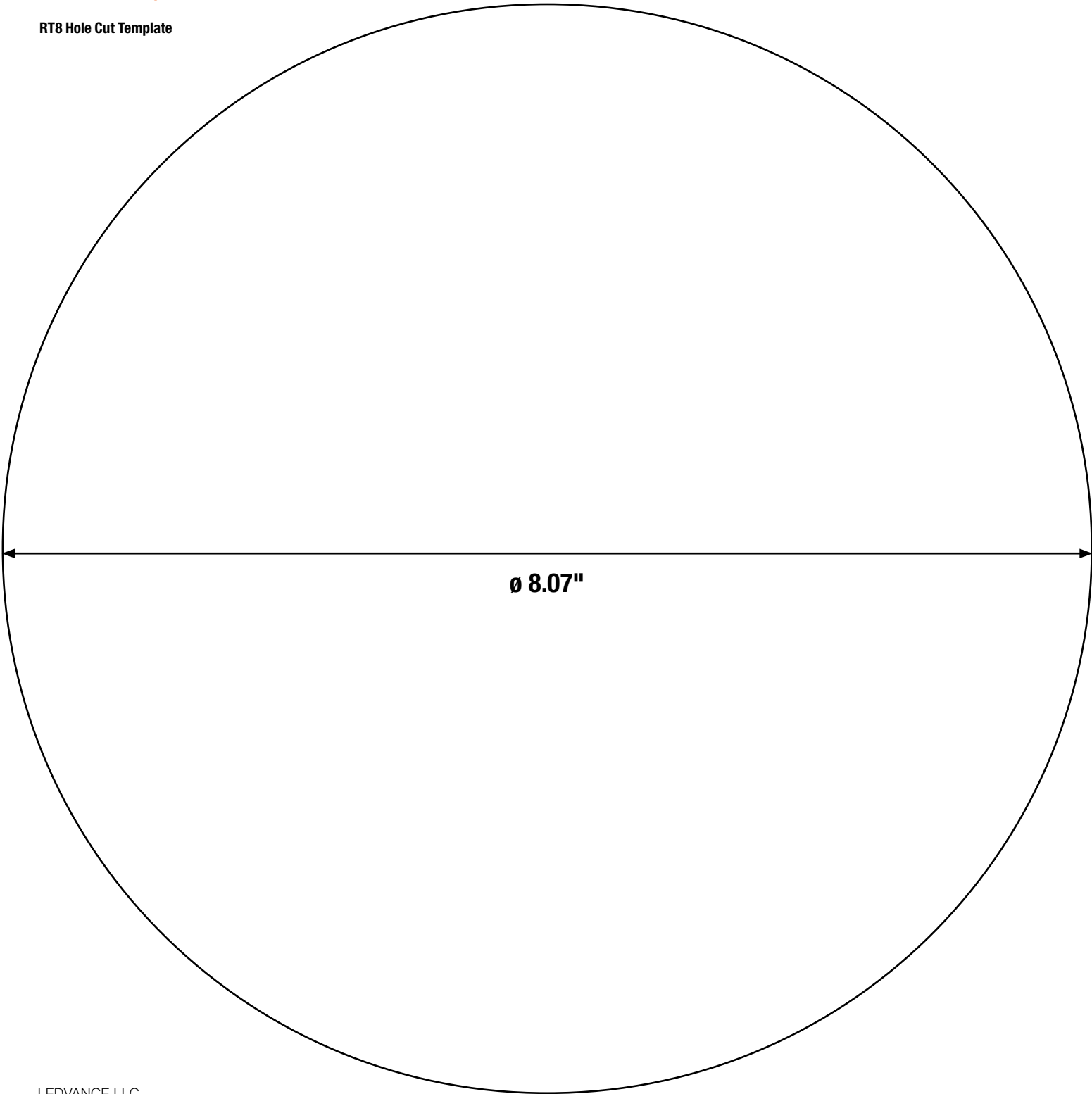
Hole Cut Templates

RT6 Hole Cut Template



Hole Cut Templates

RT8 Hole Cut Template



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