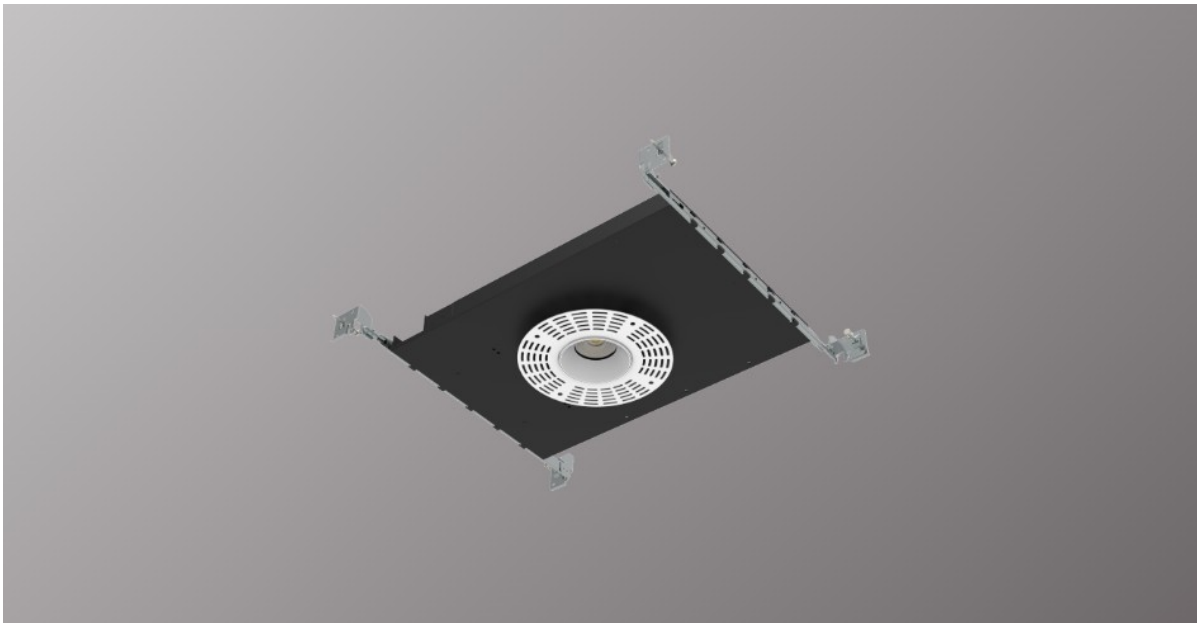
techoLED®
BROOKLYN • NY

SD-R-3-SERIES

Rev. Date: 09/14/2026

Project:	Type:
	Comments:



Highlights

SD-R-3 Series are specification grade shallow downlights, featuring simple look, high efficacy and high-quality components. Designed for new construction recessed applications, available in wide variety of color temperatures and lumen outputs, as well as multiple trim and reflector finish options. Great lighting solution for any modern interior.

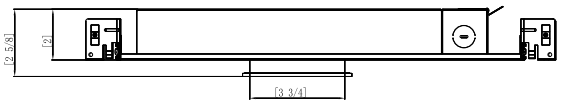
LED: Cree-LED Chips, 2700-6000K, 90+CRI

Optical: 12°, 24° and 36° beam angle options

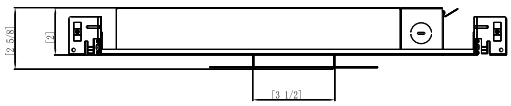
Construction: 3” round aperture, high grade steel 2.5” shallow housing, frosted Perspex diffuser, integral driver, powder coat finish, trimmed or trimless, damp location listed

5-year limited warranty

Cross Section

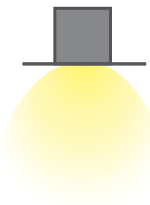


Trimmed



Trimless

Installation



Recessed
(R)

Project:	Type:
	Comments:

Configuration Example

Model #	Optics	Wattage	Color Temp.	Beam Angle	Voltage
TECHOLED-SD-R-3-D-10-27-12-U	Direct	10W	2700K	12°	110-277V

Ordering Guide:

Select one option from each group below. For a custom preference please contact sales@techoled.com

1-FIXTURE ID		2-OPTICS		3-WATTAGE		4-COLOR TEMPERATURE	
SD-R-3	SDR-3	D	Direct	10	10W	27	2700K
				16	16W	30	3000K
				23	23W	40	4000K
						50	5000K
						60	6000K

5-BEAM ANGLE		6-VOLTAGE		7-FINISH		8-TRIM	
12	12°	U	110-277V	W	White	F	Flanged
24	24°			B	Black	TL	Trimless
36	36°			C	Custom (RAL#)		

9-DRIVER OPTIONS		10-OPTIONS	
DM	0-10V Dimming	EM	EM Battery (remote)
DM1%	1% Dimming	X	None
LT1	LDE1 Lutron 1%		
LT2	DFC Lutron Vive RF		
LT3	FCJ Lutron ECO		
LT4	FCJ Lutron PowPak		
LT5	DFC Lutron Vive		
BM	BubblyNet BT Mesh		
DA	Dali		
X	None		

Project:	Type:
	Comments:

Driver Option Details

Code	Description
LT1	**LDE1** -Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming
LT2	**RFJ/FCJS-010** - Lutron RF PowPak (0-10V)
LT3	**DFCSJ-OEM-RF** - Lutron Vive In-Fixture Control (RF only)
LT4	**DFCSJ-OEM-OCC** - Lutron Vive In-Fixture Control (with daylights & occ/vac sensors)
LT5	**FCJ/FCJS-ECO** - Lutron Wireless PowPak (EcoSystem)
BM	Bluetooth Mesh Smart Wireless Control by BubblyNet

Options (cont.) Details

Code	Description
EM	Emergency Battery Backup (remote)

Lumen Output

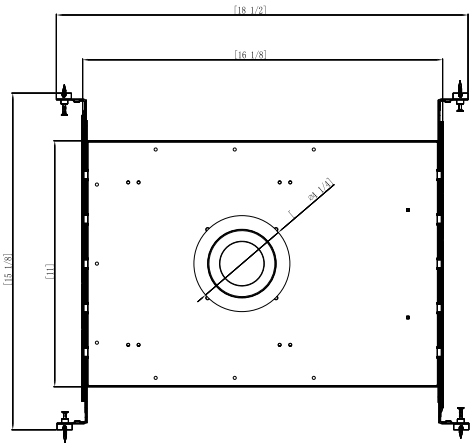
Model #	Size	Wattage	Distribution	Color Temp.	Lumen Output
TECHOLED-SD-R-3-D-10-30-12-U	3"	10W	Direct	3000K	900Lm
TECHOLED-SD-R-3-D-16-30-12-U	3"	16W	Direct	3000K	1440Lm
TECHOLED-SD-R-3-D-23-30-12-U	3"	23W	Direct	3000K	2070Lm

Performance above applies to 3000K. Calculate 96% for 2700K, 104% for 3500K and 109% for 4000K

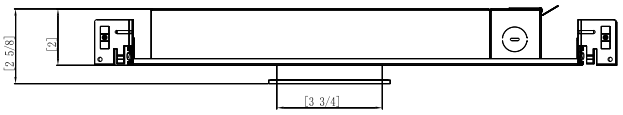
Project:	Type:
	Comments:

Product detail

SD-R-3 Trimmed

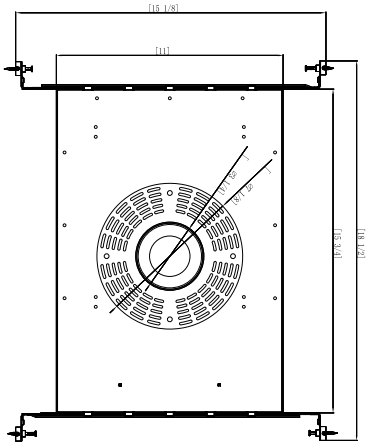


Dimensions

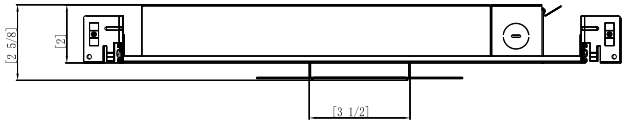


Cross Section

SD-R-3 Trimless



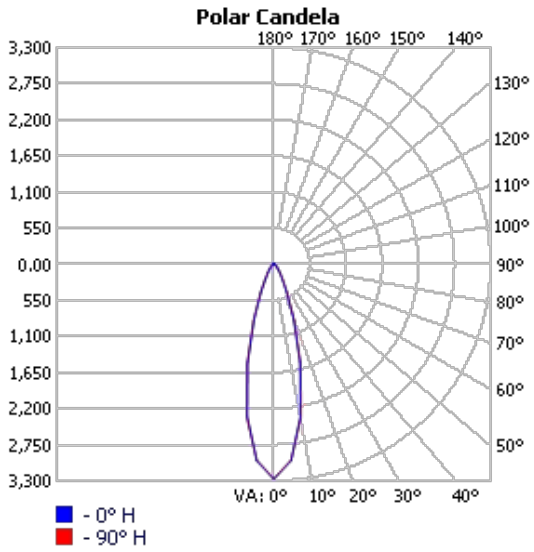
Dimensions



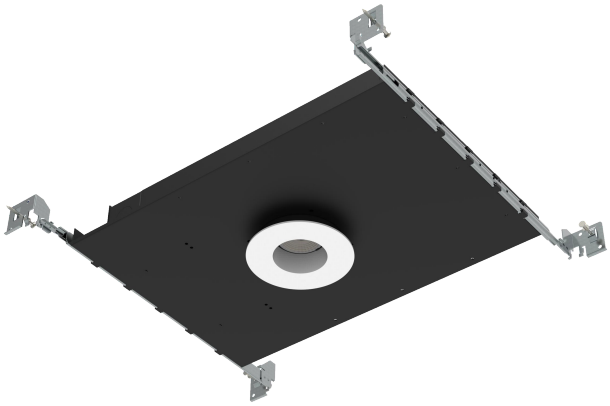
Cross Section

Project:	Type:
	Comments:

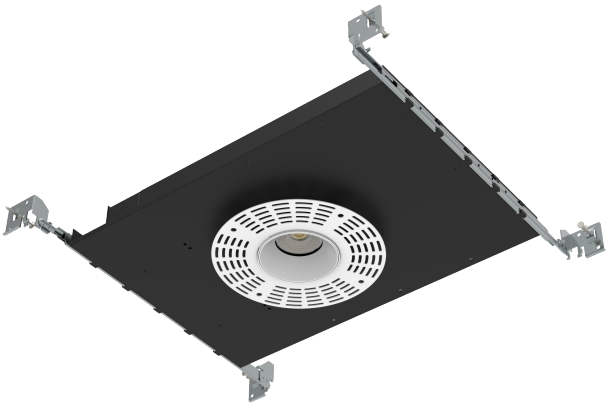
Photometrics



Mounting Option



Trimmed



Trimless

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SD-R-3-SERIES
Rev. Date: 09/14/2026

Project:	Type:
	Comments:

Finish Details (powder coat finish)

Standard Colors (Trim)

W – White


B – Black

Custom Colors


RAL 1003


RAL 2004


RAL 3000


RAL 4001


RAL 5002


RAL 6000


RAL 6038


RAL 7001


RAL 1036


RAL 8029

Any RAL color available, please refer to ralcolorchart.com