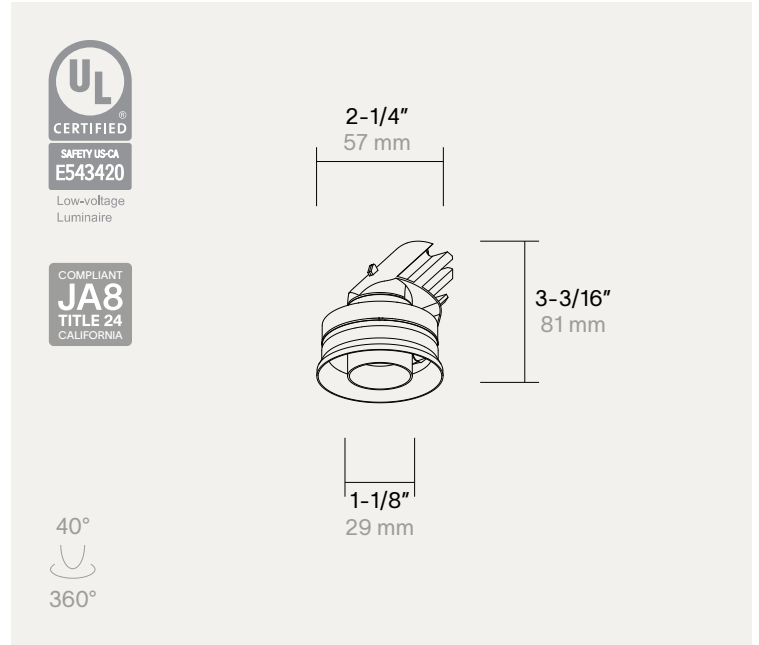


trimless spot | adjustable 2.0

We aim to create cleaner ceilings.
Show what you want, hide what you need.



luminaire specs	3
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finishes	5
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trimless spot | adjustable 2.0

installation

luminaire specs

delivered lumen	up to 800lm		
watts	up to 9.7W		
efficacy	95lm/W		
CRI	90+	97	
R9 value	CRI 90+: >50	CRI 97: >91	
CBCP	20° pc: 4610cd	40° pc: 1149cd	
	60° pc: 605cd	40° glass: 2142cd	
color temperature (CCT)	2700K	3000K	3500K
	dim 2 warm: 3000K > 1800K		
color consistency	2-step SDCM		
driver input voltage	120V		
dimming	DALI/0-10V/phase dimming		
power supply	constant current driver with +.9 power factor and +80% efficiency		
optics	20° / 40° / 60°		
suitable for	dry locations (IP20)		
adjustability	rotation 360°	tilt 40°	
ceiling appearance	flush mount		
panel thickness	no panel thickness limitations		

L80	>55000 h	
installation rings (not incl.)	mud ring Ø2-1/4" (Ø57 mm)	↗
	adj. mud ring Ø2-1/4" (Ø57 mm)	↗
housing (not incl.)	IC box airtight	IC box non-airtight
	non-IC frame	remodeling box
material	aluminum	
aluminum finishes	black ano	white struc
	brushed steel	brushed grey
	brushed bronze	
aluminum weight	0.44 lb (0.20 kg)	
general listings	UL Listed	California Title 24
warranty	1 year (5 years on LED)	↗

Respect distances, cable sections and IP ratings. Split AC and DC to prevent LED glowing.

configure yours

21191 · -- · --- · --- · ---

product	variant	CRI	CCT *	beam	dimming **	finish
21191. trimless spot adj.	09. long	1 90+	01. 2700K	03 20° pc	0. driver excluded	001 black ano
			02. 3000K	06 40° pc		002 white struc
			03. 3500K	09 60° pc		003 brushed steel
		2 97	90. dim 2 warm	07 40° glass	0. driver excluded	004 brushed grey
						005 brushed bronze

* other CCT available on request

** phase dimming, 0-10V & dali possible, consult driver matrix, driver sold separately

driver matrix

finishes

aluminum

white struc (RAL 9003)



brushed steel



brushed bronze



brushed grey



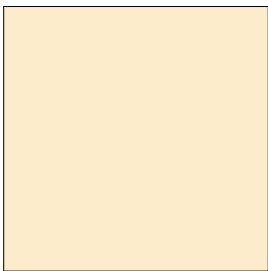
black ano



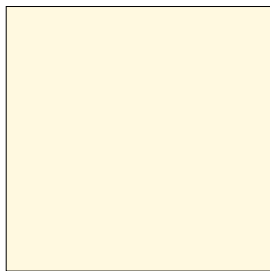
Custom RAL finishes available on request.

correlated color temperature (CCT)

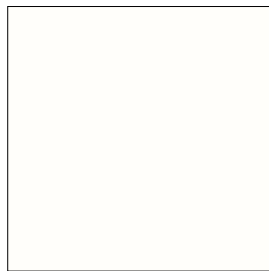
2700K: extra warm white



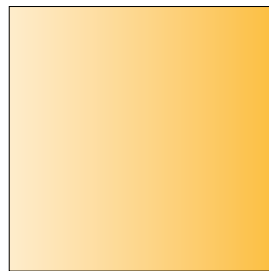
3000K: warm white



3500K: neutral white



dim 2 warm: 3000K > 1800K

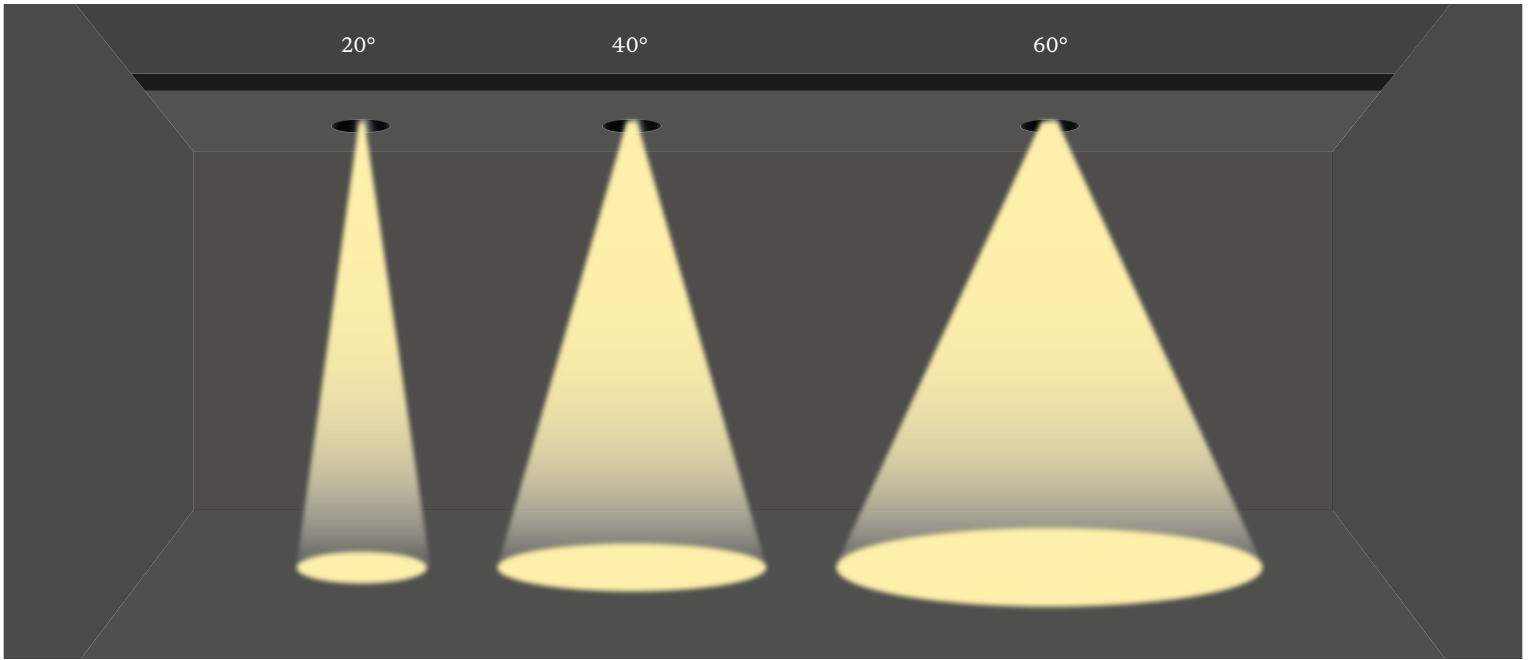


beam angle

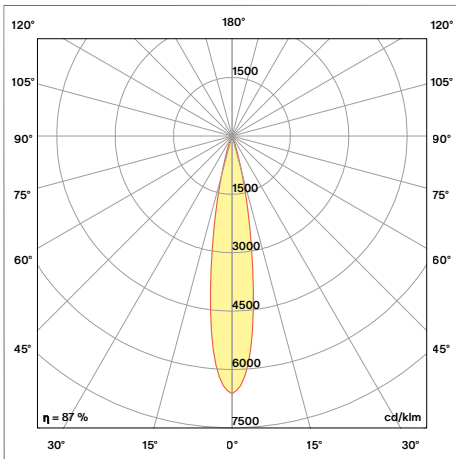
	20° pc	40° pc	60° pc	dim 2 warm (40° glass)
alu	500mA max	500mA max	500mA max	350mA max

luminaire output

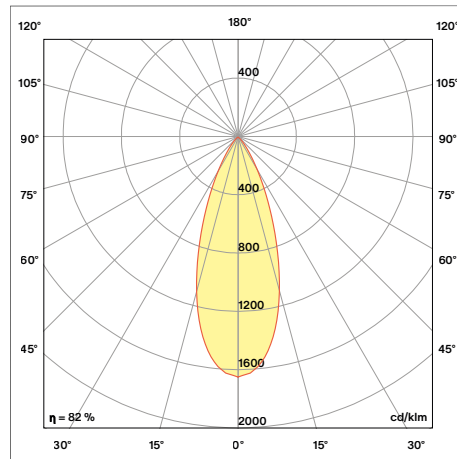
		350mA (6.4W, 18.3Vf)		500mA (9.7W, 19.4Vf)	
2700K	20° pc	550lm	-	750lm	
	40° pc	550lm	-	750lm	
	60° pc	500lm	-	675lm	
3000K	20° pc	575lm	-	775lm	
	40° pc	575lm	-	775lm	
	60° pc	525lm	-	700lm	
3500K	20° pc	600lm	-	800lm	
	40° pc	600lm	-	800lm	
	60° pc	550lm	-	725lm	
dim 2 warm	40° glass	-	425lm	-	



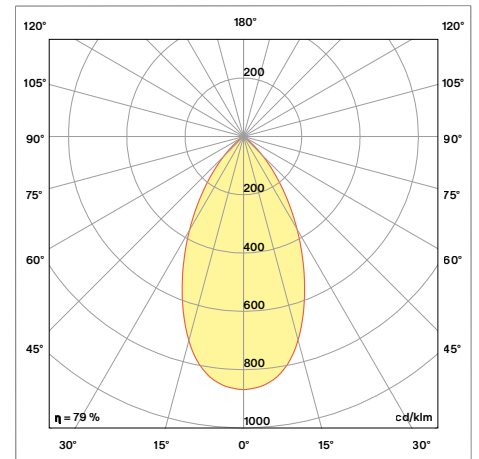
20° pc



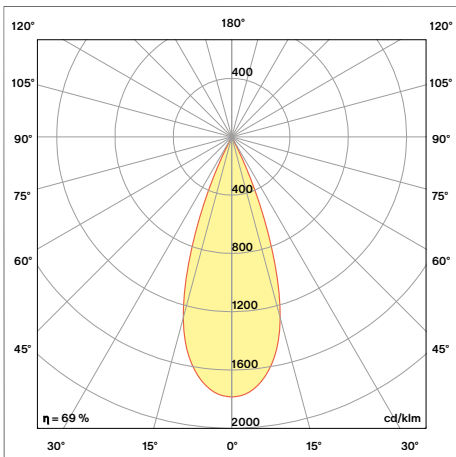
40° pc



60° pc



dim 2 warm (40° glass)



accessories

trimless installation rings (not incl.)

	UL listed	product code
mud ring Ø2-1/4" (Ø57 mm)	yes	9001-0003
adj. mud ring Ø2-1/4" (Ø57 mm)	yes	9001-0123

housing (not incl.)

	UL listed	product code
IC box + plaster frame 3-1/2" high airtight	yes	9000-0107
IC box + plaster frame 3-1/2" high non-airtight	yes	9000-0101
NON-IC plaster frame	yes	9000-0106
remodeling box 2.37×1.5×8	yes	9000-0104
bar hanger kit	n/a	9000-0102

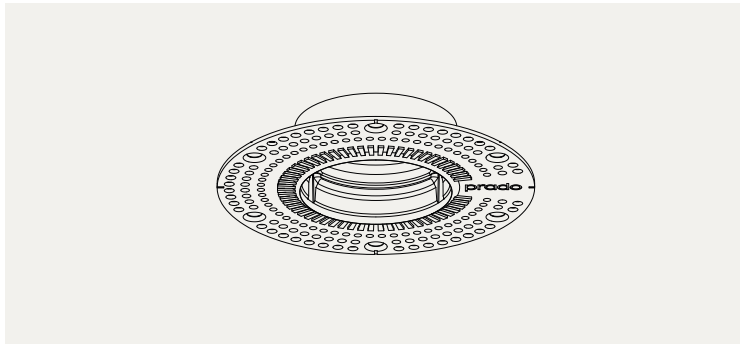
drivers (not incl.)

	number of fixtures	Title 24 JA8 compliant	UL listed	product code
SOLOdrive 0-10V 350mA 22W	1-2	yes	yes	9000-1008
SOLOdrive 0-10V 500mA 22W	1-2	yes	yes	9000-1002
SOLOdrive DALI 350mA 22W	1-2	yes	yes	9000-1006
SOLOdrive DALI 500mA 22W	1-2	yes	yes	9000-1001
Phase dimming / 0-10V dimmable driver constant current 350mA 15W	1	yes	yes	9000-1028
Phase dimming / 0-10V dimmable driver constant current 500mA 15W	1	yes	yes	9000-1029
DALI / 0-10V dimmable driver 60W constant current multi power	2-4	no	yes	9000-1014

trimless installation rings (not incl.)

	product code	application	drill hole
mud ring Ø2-1/4" (Ø57 mm)	9001-0003	plastered ceiling	Ø2-2/3" (Ø68 mm)
adj. mud ring Ø2-1/4" (Ø57 mm)	9001-0123	plastered ceiling	Ø3" (Ø76 mm)

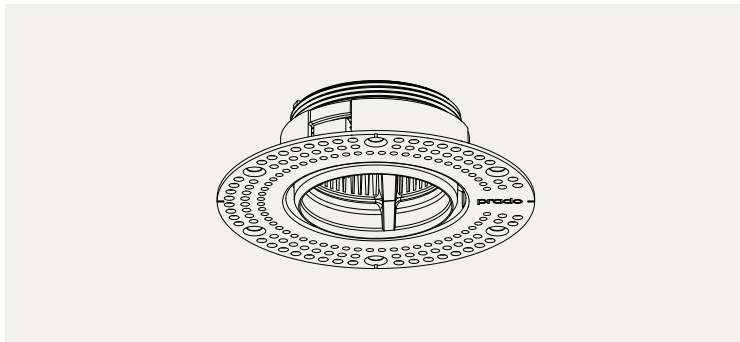
plastered ceiling



mud ring Ø2-1/4" (Ø57 mm)

[spec sheet](#)

location	ceiling indoor
plaster thickness	1/7" (3.6 mm)
drill hole	Ø2-2/3" (Ø68 mm)

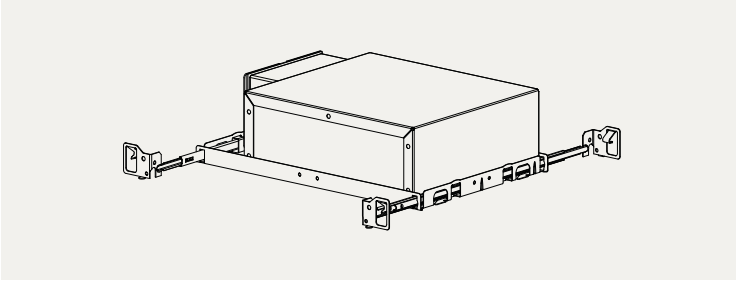


adj. mud ring Ø2-1/4" (Ø57 mm)

[spec sheet](#)

location	ceiling indoor
plaster thickness	min. 1/7" (3.6 mm) max. 3/4" (20 mm)
drill hole	Ø3" (Ø76 mm)

housing (not incl.)

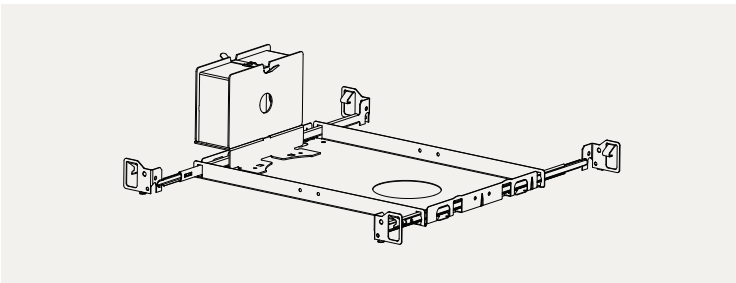
**IC box + plaster frame 3-1/2" high**[spec sheet](#)

new construction airtight / non-airtight

for use insulated ceiling

UL listed

dimensions D x W x H 12-7/16 × 8-9/16 × 3-7/16"

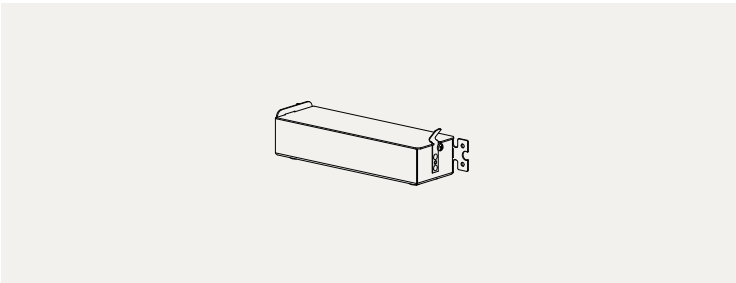
**non-IC plaster frame**[spec sheet](#)

new construction

for use in non-insulated ceiling

UL listed

dimensions D x W x H 15 × 8-9/16 × 4-3/8"

**remodeling box 2.37x1.5x8**[spec sheet](#)

for remote installation

UL listed

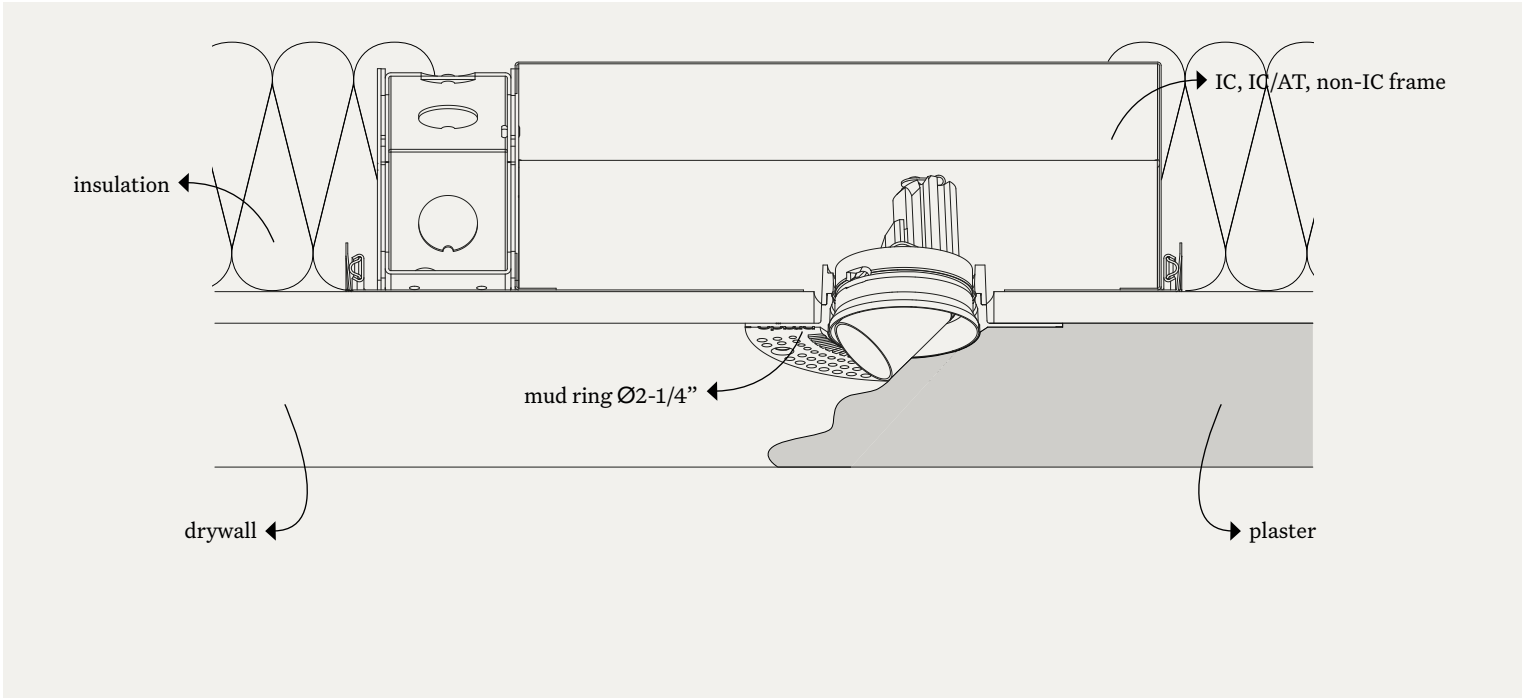
does not fit through hole

dimensions D x W x H 8 × 2-9/16 × 1-2/3"

illustration trimless installation rings in combination with IC boxes

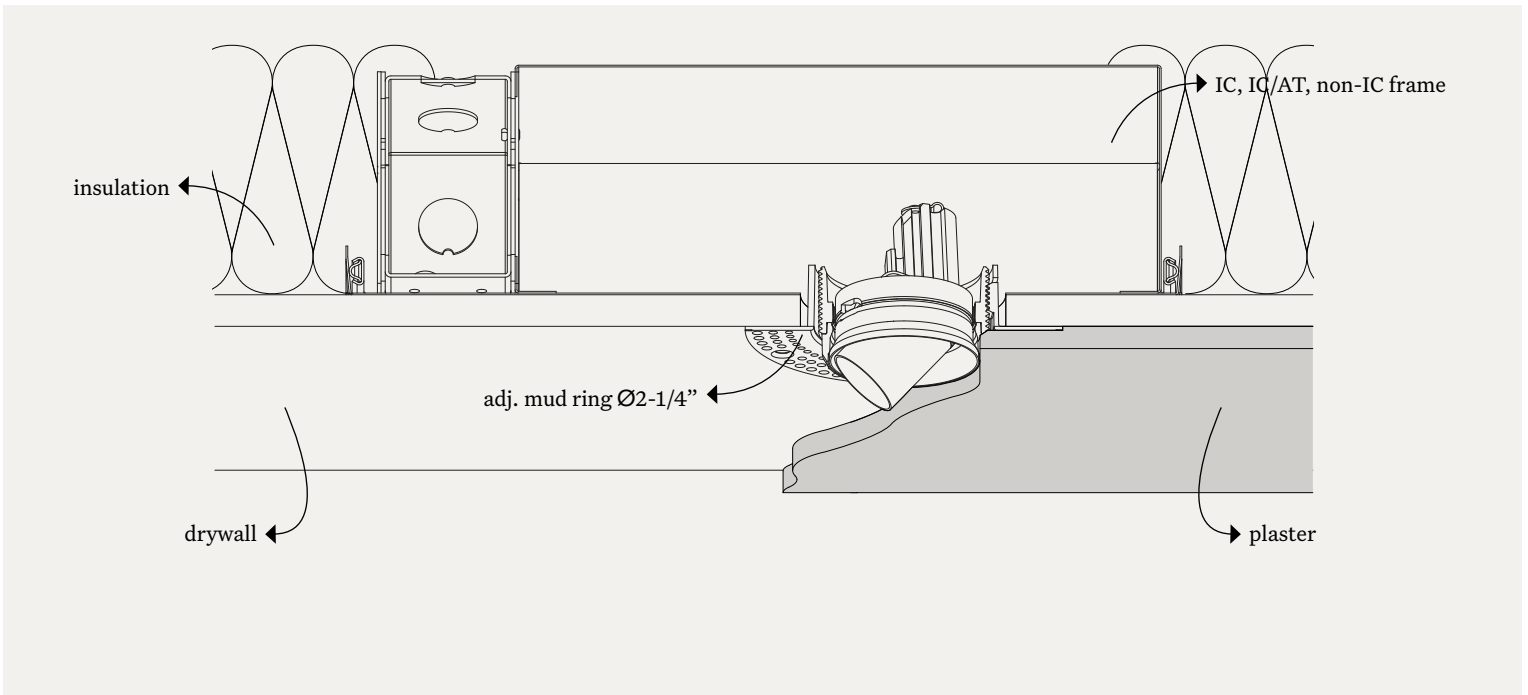
mud ring Ø2-1/4" (Ø57 mm)

installation



adj. mud ring Ø2-1/4" (Ø57 mm)

installation



driver matrix

new construction	insulated ceiling	IC box + plaster frame 3-1/2"	remote driver	remodeling box 2.37x1.5x8
			local driver	driver in inner junction box
	non-insulated ceiling	non-IC plaster frame	remote driver	remodeling box 2.37x1.5x8
			local driver	driver in inner junction box
remodeling			remote driver	remodeling box 2.37x1.5x8

driver matrix

cable length

compatible drivers

remodeling box 2.37x1.5x8 / integral driver box

SOLOdrive 0-10V 350mA 22W

SOLOdrive 0-10V 500mA 22W

SOLOdrive DALI 350mA 22W

SOLOdrive DALI 500mA 22W

Phase dimming / 0-10V dimmable driver constant current 350mA 15W

Phase dimming / 0-10V dimmable driver constant current 500mA 15W

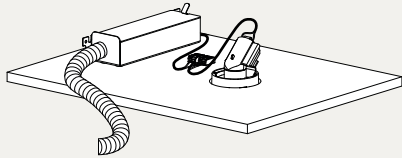
illustration driver matrix

local driver

above ceiling access required for both installation and service ¹

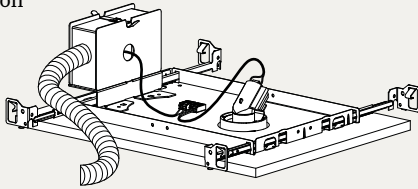
check driver matrix (cut-out column) ²

² remodel

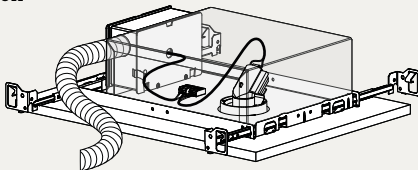


driver matrix

¹ new construction
non-IC

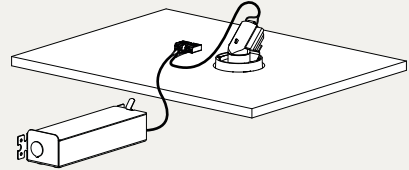


¹ new construction
IC 3-1/2"

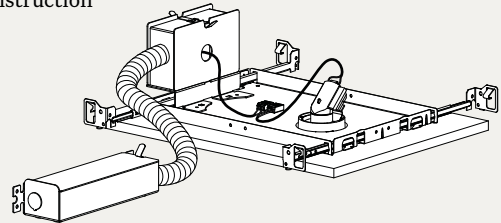


remote driver ³

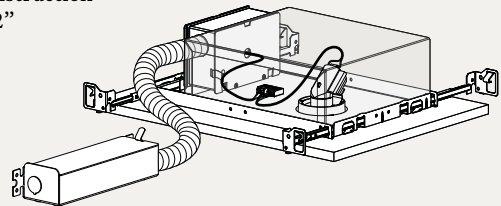
remodel



new construction
non-IC



new construction
IC 3-1/2"



³ max driver distance

AWG18 (2 × 1 mm²) 40 ft (12 m)

AWG16 (2 × 1.5 mm²) 65 ft (20 m)

AWG14 (2 × 2.5 mm²) 100 ft (30 m)

AWG12 (2 × 4 mm²) 160 ft (49 m)

wiring diagram

serial connection

