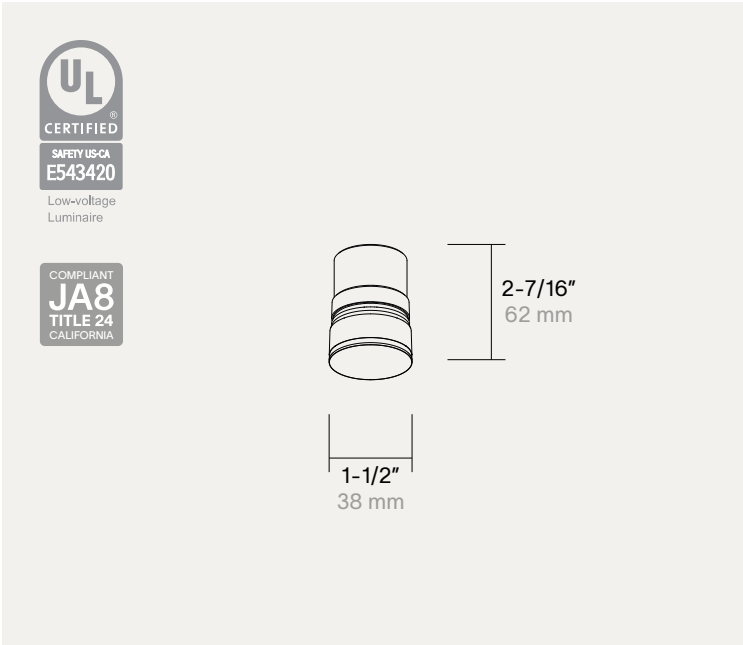
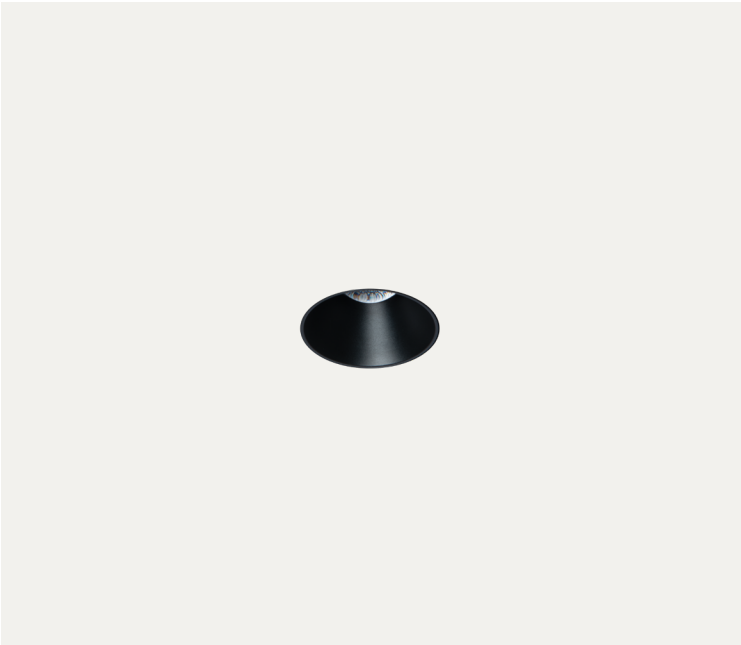


trimless spot mini | short

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



luminaire specs	3
configure yours	4
finishes	5
luminaire output	6
accessories	8
installation rings	9
housing	10
drivers	13



trimless spot mini | short

installation

luminaire specs			
delivered lumen	up to 700lm		
watts	up to 8.9W		
efficacy	101lm/W		
CRI	90+	97	
R9 value	CRI 90+: >50	CRI 97: >91	
CBCP	10° pc: 6731cd	20° pc: 4655cd	
	40° pc: 1373cd	60° pc: 627cd	
	40° glass: 2036cd		
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	10° / 20° / 40° / 60°		
suitable for	damp locations (IP44)		
ceiling appearance	trimless		
panel thickness	no panel thickness limitations		

L80	>55000 h	
installation rings (not incl.)	mud ring Ø1-1/2" (Ø38 mm)	↗
	adj. mud ring Ø1-1/2" (Ø38 mm)	↗
housing (not incl.)	IC box airtight	IC box non-airtight
	non-IC frame	remodeling box
material	aluminum	brass
aluminum finishes	black ano	white struc
	brushed steel	brushed grey
	brushed bronze	
aluminum weight	0.26 lb (0.12 kg)	
brass finishes	brushed nickel	light bronze
	dark bronze	canon de fusil dark
	canon de fusil light	
brass weight	0.32 lb (0.15 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

21021

--

product		variant	CRI		CCT *		beam		dimming **		finish	
21021.	trimless spot mini	02. short	1	90+	01.	2700K	03	20° pc	0.	driver excluded	001	black ano
					02.	3000K	06	40° pc			002	white struc
					03.	3500K	07	40° glass			003	brushed steel
							09	60° pc			004	brushed grey
											005	brushed bronze
					90.	dim 2 warm	07	40° glass	0.	driver excluded	001	black ano
											002	white struc
											003	brushed steel
											004	brushed grey
											005	brushed bronze
											701	brushed nickel
											702	light bronze
											703	dark bronze
											704	canon de fusil dark
											705	canon de fusil light
			2	97	01.	2700K	01	10° pc	0.	driver excluded	001	black ano
					02.	3000K	03	20° pc			002	white struc
					03.	3500K	06	40° pc			003	brushed steel
							07	40° glass			004	brushed grey
							09	60° pc			005	brushed bronze
											701	brushed nickel
											702	light bronze
											703	dark bronze
											704	canon de fusil dark
											705	canon de fusil light

* 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 brass

brushed nickel



light bronze



dark bronze



canon de fusil light



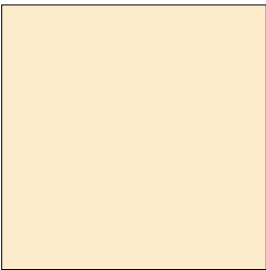
canon de fusil dark



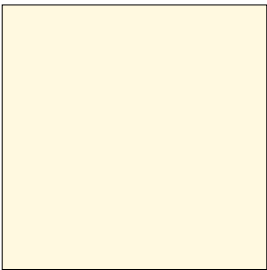
Custom RAL and brass finishes available on request.

correlated color temperature (CCT)

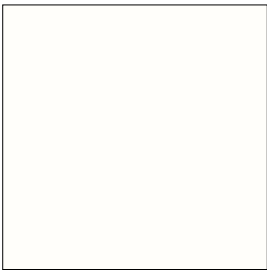
2700K: extra warm white



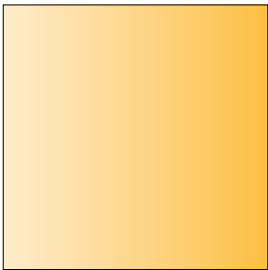
3000K: warm white



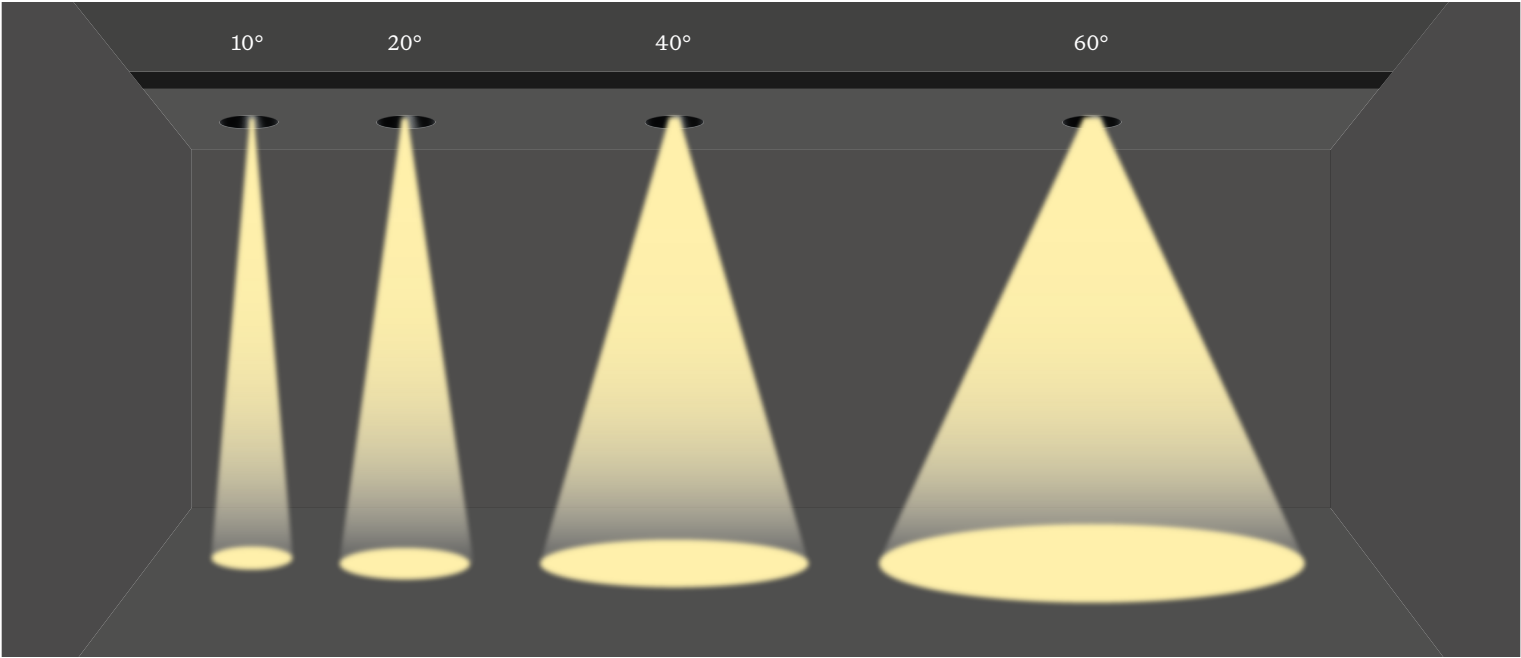
3500K: neutral white



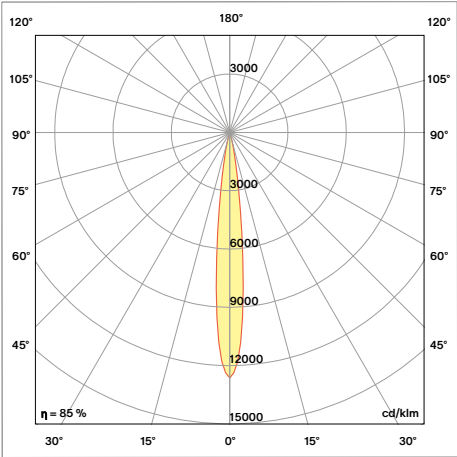
dim 2 warm: 3000K > 1800K



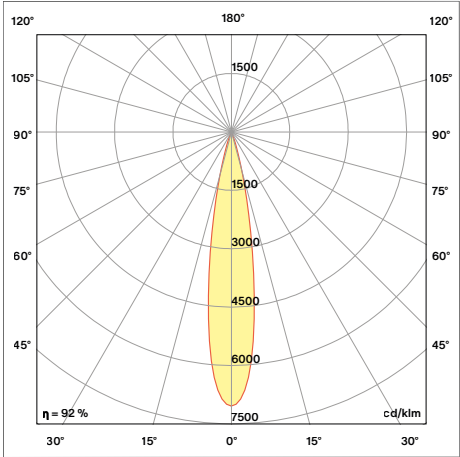
beam angle							
		10° pc	20° pc	40° pc	60° pc	40° glass	dim 2 warm (40° glass)
short alu		350mA max	350mA max	350mA max	350mA max	500mA max	350mA max
short brass		350mA max	350mA max	350mA max	350mA max	500mA max	350mA max
luminaire output							
		350mA		500mA			
		(6.6W, 19.9Vf)	(6.4W, 18.3Vf)	(6.0W, 17.1Vf)	(8.9W, 17.8Vf)		
2700K	10° pc	475lm	-	-	-		
	20° pc	-	550lm	-	-		
	40° pc	-	550lm	-	-		
	60° pc	-	500lm	-	-		
	40° glass	-	-	475lm	650lm		
3000K	10° pc	500lm	-	-	-		
	20° pc	-	575lm	-	-		
	40° pc	-	575lm	-	-		
	60° pc	-	525lm	-	-		
	40° glass	-	-	500lm	675lm		
3500K	10° pc	525lm	-	-	-		
	20° pc	-	600lm	-	-		
	40° pc	-	600lm	-	-		
	60° pc	-	550lm	-	-		
	40° glass	-	-	525lm	700lm		
dim 2 warm	40° glass	-	-	425lm	-		



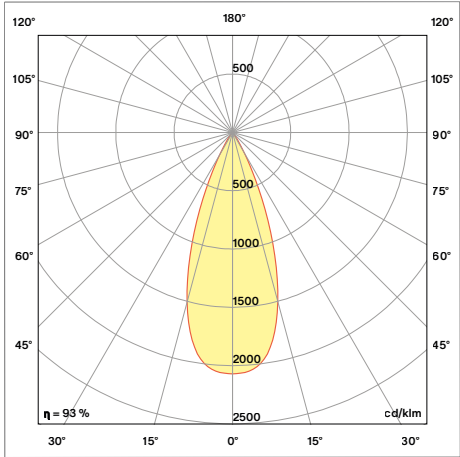
10° pc



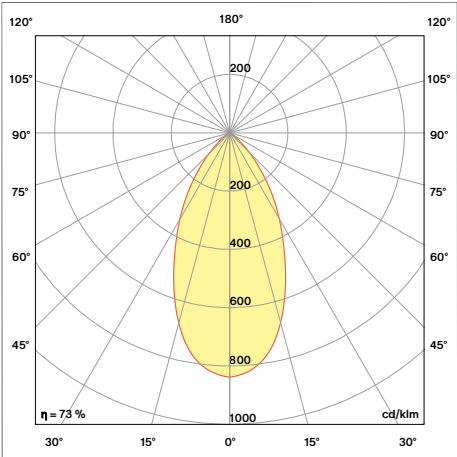
20° pc



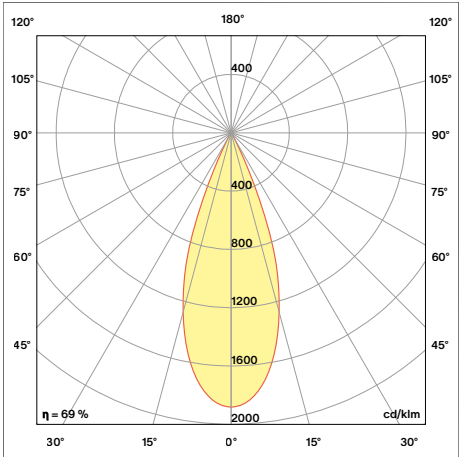
40° pc



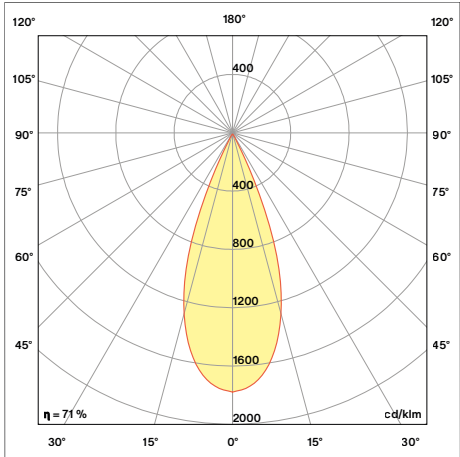
60° pc



40° glass



dim 2 warm (40° glass)

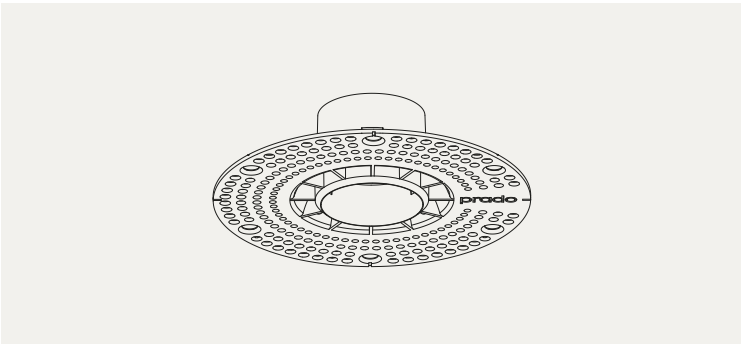


accessories				
trimless installation rings (not incl.)				
			UL listed	product code
mud ring Ø1-1/2” (Ø38 mm)			yes	9001-0004
adj. mud ring Ø1-1/2” (Ø38 mm)			yes	9001-0124
housing (not incl.)				
			UL listed	product code
IC box + plaster frame 3-1/2” high airtight			yes	9000-0107
IC box + plaster frame 3-1/2” high non-airtight			yes	9000-0101
IC box + plaster frame 2-1/4” high airtight			yes	9000-0108
IC box + plaster frame 2-1/4” high non-airtight			yes	9000-0103
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 Ø1-1/2" (Ø38 mm)	9001-0004	plastered ceiling	Ø2-2/3" (Ø68 mm)
adj. mud ring Ø1-1/2" (Ø38 mm)	9001-0124	plastered ceiling	Ø3" (Ø76 mm)

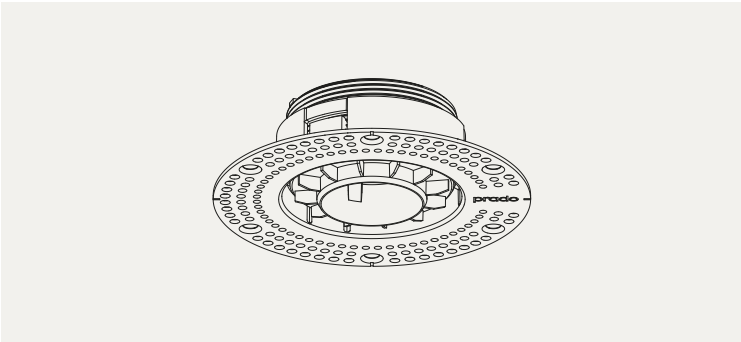
plastered ceiling



mud ring Ø1-1/2" (Ø38 mm)

[spec sheet](#)

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

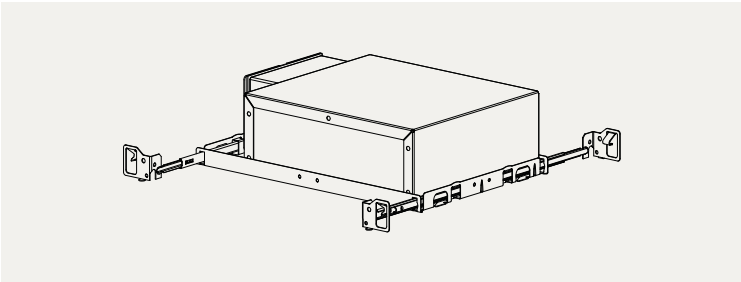


adj. mud ring Ø1-1/2" (Ø38 mm)

[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

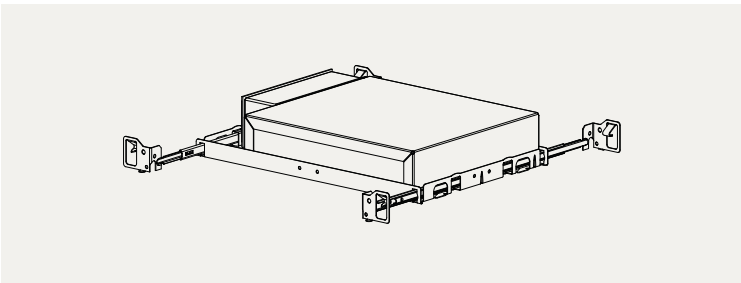
[spec sheet](#)

new construction airtight / non-airtight

for use insulated ceiling

UL listed

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



IC box + plaster frame 2-1/4" high

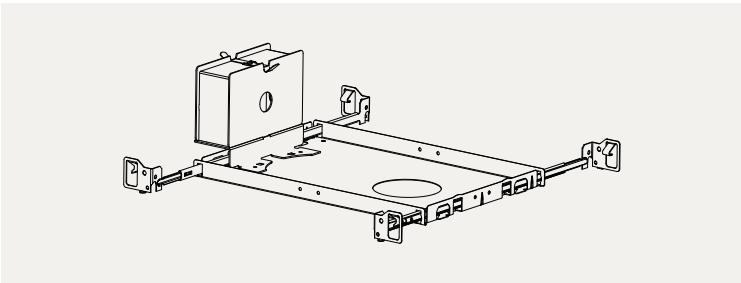
[spec sheet](#)

new construction airtight / non-airtight

for use insulated ceiling

UL listed

dimensions D x W x H 12-7/16 x 8-9/16 x 2-3/10"



non-IC plaster frame

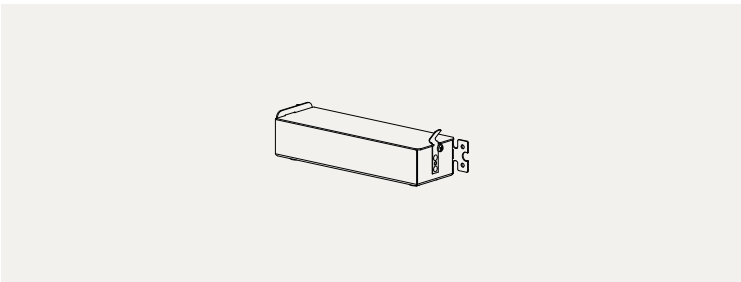
[spec sheet](#)

new construction

for use in non-insulated ceiling

UL listed

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



remodeling box 2.37x1.5x8

[spec sheet](#)

for remote installation

UL listed

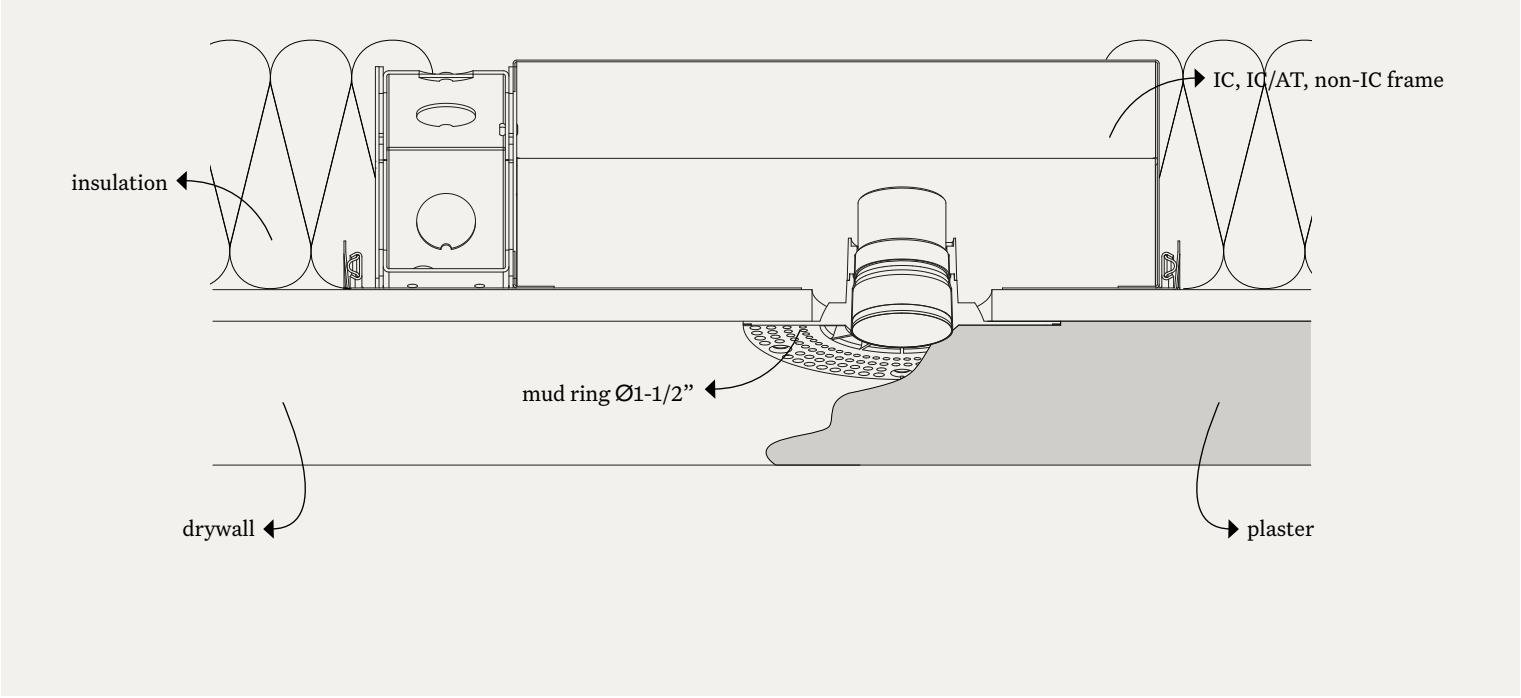
does not fit through hole

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

illustration trimless installation rings in combination with IC boxes

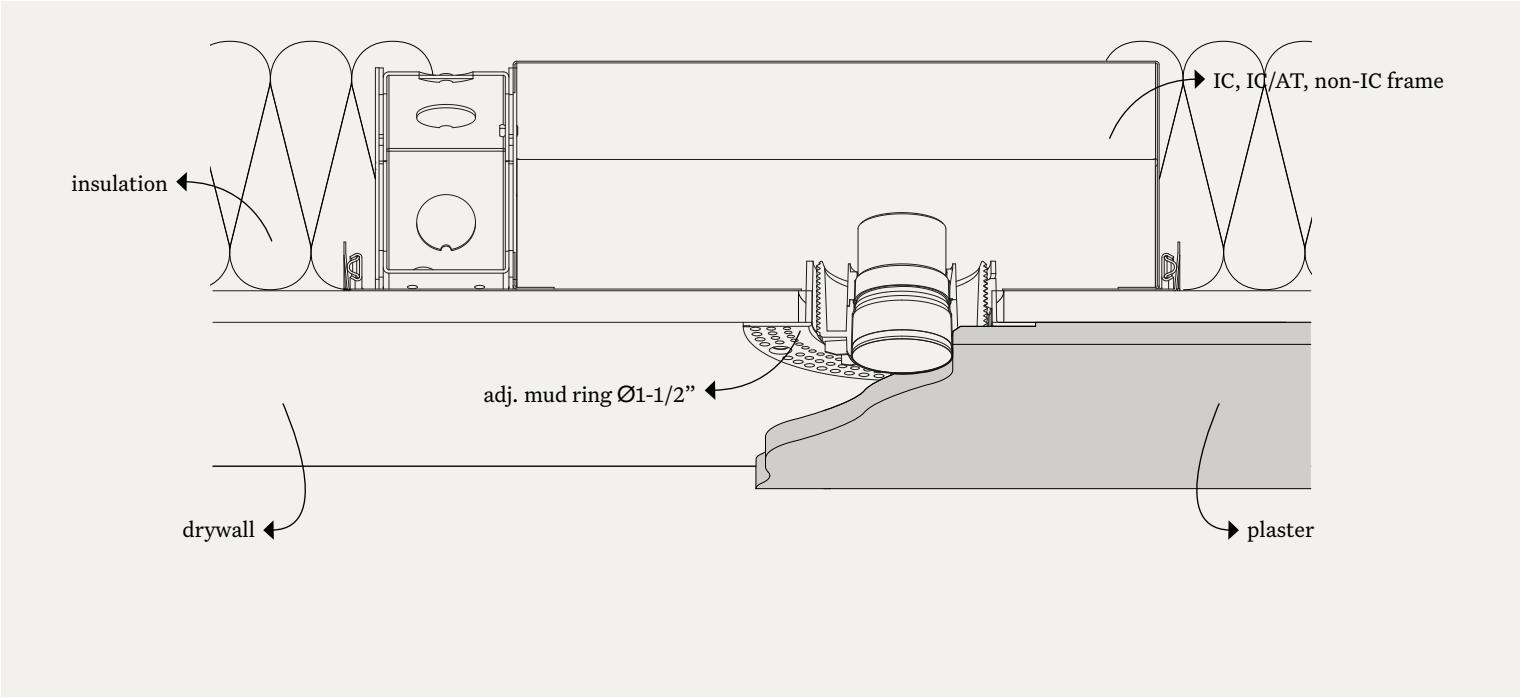
mud ring Ø1-1/2" (Ø38 mm)

installation



adj. mud ring Ø1-1/2" (Ø38 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
		IC box + plaster frame 2-1/4"	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

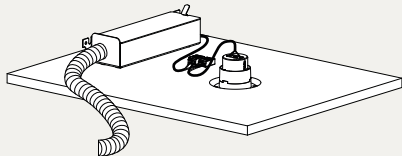
illustration driver matrix

local driver

above ceiling access required for both installation and service ¹

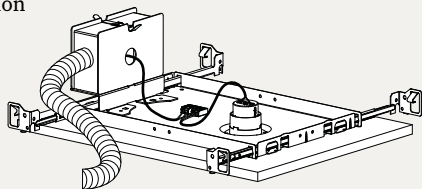
check driver matrix (cut-out column) ²

² remodel

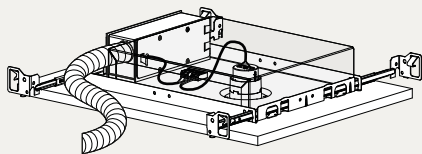


driver matrix

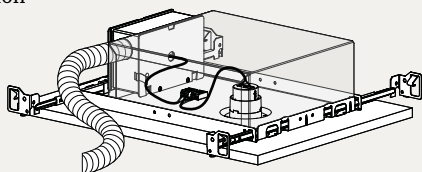
¹ new construction
non-IC



¹ new construction
IC 2-1/4"

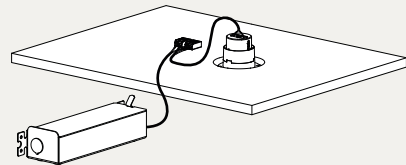


¹ new construction
IC 3-1/2"

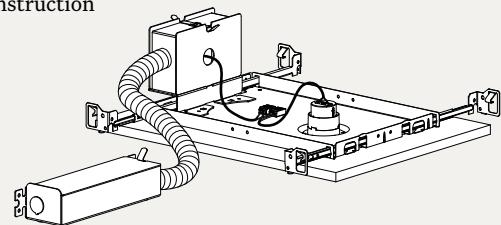


remote driver ³

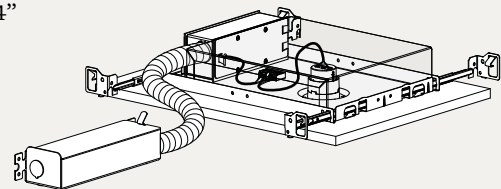
remodel



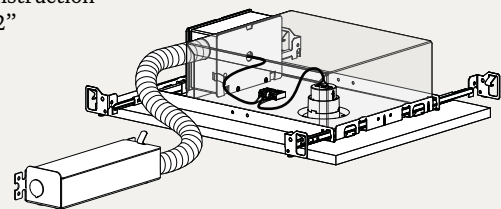
new construction
non-IC



new construction
IC 2-1/4"



new construction
IC 3-1/2"



³ max driver distance

AWG18 (2 × 1 mm ²)	40 ft (12 m)
AWG16 (2 × 1.5 mm ²)	65 ft (20 m)
AWG14 (2 × 2.5 mm ²)	100 ft (30 m)
AWG12 (2 × 4 mm ²)	160 ft (49 m)

wiring diagram

serial connection

