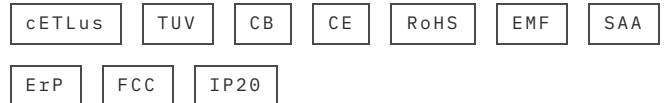


CLARA

LED Recessed Downlight

A recessed downlight with an opal diffuser and nano-paper reflector, available in five sizes with cutouts from 3.15" to 7.88" and wattages from 10W to 30W. The diffused 120° distribution provides soft, uniform illumination for general ceiling lighting. Available in two housing configurations: IP20 Class II for dry interior applications or IP65 Class I for damp locations.

- Five apertures — 3.15", 3.74", 4.53", 6.50" and 7.88" cutouts
- 10W to 30W, up to 3,380 delivered lumens; reduced-wattage builds available
- Opal PC diffuser over a nano-paper reflector — even 120° diffused output
- Two CRI tiers: Ra97 (RG0) or Ra90, each with its own CCT set
- Seven white CCTs, plus tunable white, RGB, RGBW, RGBA and RGB + tunable white
- IP20 Class II or IP65 Class I housing
- Withstand voltage 3.75kV · surge protection 1.0kV
- Five RAL trim finishes; custom RAL available



LUMEN OUTPUT	740 – 3,380 lm delivered (by aperture, CRI & CCT)
COLOR TEMP / CCT	2500–5700K (Ra97) · 2500–6500K (Ra90) · Tunable White · RGB / RGBW / RGBA / RGBTW
CRI	97 (Ra, RG0) or 90 (Ra)
DISTRIBUTION	120° diffused
LED SOURCE	GUBO SMD2835 [LM80]
WATTAGE	10 / 15 / 20 / 25 / 30W nominal by size · reduced-output versions available
VOLTAGE	100–277V · 220–240V · 180–528V · 12 / 24 / 36V DC (remote driver)
POWER FACTOR	>0.9
DIMMING	TRIAC · 0–10V · DALI · PWM · DMX512 · Zigbee · RF (non-dimming standard)

SURGE PROTECTION	1.0kV · withstand voltage 3.75kV
DRIVER	Remote driver (GUBO)
FINISH	White, Black, Grey, Anthracite Grey, Golden
IP / IMPACT	IP20 Class II or IP65 Class I · sizes 165 and 200 are IP65 only
MATERIAL	Die-cast aluminum radiator · nano-paper reflector · opal PC diffuser
MOUNTING	Recessed into a false ceiling
DIMENSIONS	3.74" – 9.25" trim ø · 3.15" – 7.88" cutout · see the dimensions table
LIFETIME	>50,000 hours
WARRANTY	5-Year

ORDERING

CONFIGURE YOUR PART NUMBER USING THE OPTIONS BELOW.

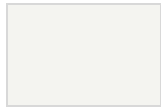
MODEL	SIZE	WATTAGE	INGRESS	CCT	CRI	VOLTAGE	CONTROLS	FINISH
CLARA	80 Ø3.15"	10 10W (standard) 06 6W ♦	IP20 IP65	25 2500K 27 2700K 30 3000K 35 3500K 40 4000K 50 5000K	90 Ra90 97 Ra97	U 100–277V AC220 220–240V H 180–528V DC12 12V DC* DC24 24V DC* DC36 36V DC*	N Non-dimming (standard) TR TRIAC DV 0–10V DA DALI PWM PWM DMX DMX512 ZB ZigBee RF 2.4G RF	WH White BK Black GY Grey AGY Anthracite Grey GD Golden CC Custom RAL
	95 Ø3.74"	15 15W (standard) 10 10W ♦	IP20 IP65	57 5700K · Ra97 only 65 6500K · Ra90 only TW Tunable white ‡				
	115 Ø4.53"	20 20W (standard) 15 15W ♦ 10 10W ♦	IP20 IP65	RGB RGB · Ra97 only RGBW RGBW (2700K white)				
	165 Ø6.50"	25 25W (standard) 20 20W ♦ 15 15W ♦	IP65	RGBA RGBA (amber) · Ra97 only RGBTW RGB + tunable white				
	200 Ø7.88"	30 30W (standard) 25 25W ♦ 20 20W ♦ 15 15W ♦	IP65					

♦ Reduced-output build — no published lumen figures; consult factory. ‡ Tunable white spans 2700–5700K at Ra97 and 2700–6500K at Ra90. * DC versions are supplied with a remote constant-voltage driver.

Build Your Order Code — example values shown in grey

MODEL	SIZE	WATTAGE	INGRESS	CCT	CRI	VOLTAGE	CONTROLS	FINISH
CLARA	115	20	IP65	30	90	U	DV	WH

STANDARD FINISHES



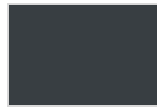
WH
White (RAL 9010)



BK
Black (RAL 9005)



GY
Grey (RAL 7042)



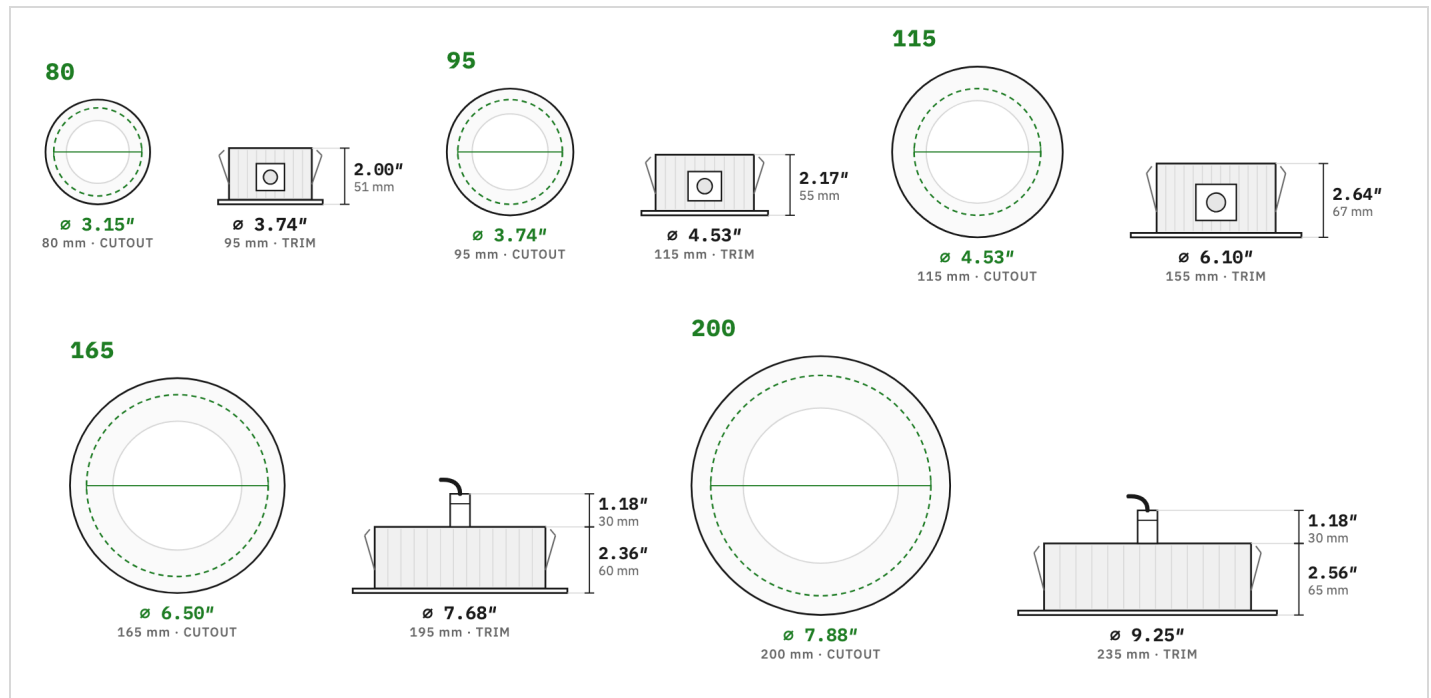
AGY
Anthracite Grey
(RAL 7016)



GD
Golden (RAL 1004)

DIMENSIONS

SIZE	CUTOUT Ø	TRIM Ø	DEPTH
80	3.15" (80 mm)	3.74" (95 mm)	2.00" (51 mm)
95	3.74" (95 mm)	4.53" (115 mm)	2.17" (55 mm)
115	4.53" (115 mm)	6.10" (155 mm)	2.64" (67 mm)
165	6.50" (165 mm)	7.68" (195 mm)	2.36" (60 mm)
200	7.88" (200 mm)	9.25" (235 mm)	2.56" (65 mm)



On sizes 165 and 200 the cable gland projects a further 1.18" (30 mm) above the housing — allow 3.54" (90 mm) and 3.74" (95 mm) of plenum depth respectively.

CONSTRUCTION

Sizes 80–115 use a deep finned housing; 165 and 200 a shallow, wide one with the gland on top



OPTIONS

MADE TO ORDER – CONSULT FACTORY

CM Custom CCT — 1800K to 10000K, or red / green / blue / yellow / amber

CR Ra80 in place of Ra90 or Ra97

SFT Custom trim finish to a RAL code

PHOTOMETRY

DELIVERED LUMENS – RA97 (RG0)

SIZE	2500K	2700K	3000K	3500K	4000K	5000K	5700K	TW / RGB / RGBW / RGBA / RGB+TW
80	740 lm	820 lm	880 lm	880 lm	940 lm	940 lm	920 lm	820 lm
95	1,030 lm	1,140 lm	1,230 lm	1,230 lm	1,320 lm	1,320 lm	1,290 lm	1,140 lm
115	1,460 lm	1,630 lm	1,750 lm	1,750 lm	1,880 lm	1,880 lm	1,840 lm	1,630 lm
165	1,760 lm	1,960 lm	2,100 lm	2,100 lm	2,260 lm	2,260 lm	2,260 lm	1,960 lm
200	2,200 lm	2,440 lm	2,630 lm	2,630 lm	2,820 lm	2,820 lm	2,760 lm	2,440 lm

At each size's standard wattage. Power factor >0.9; measured at 25°C, ±10% on power and flux, ±3 on CRI.

DELIVERED LUMENS – RA90

SIZE	2500K	2700K	3000K	3500K	4000K	5000K	6500K	TW / RGBW / RGB+TW
80	900 lm	1,000 lm	1,060 lm	1,060 lm	1,130 lm	1,130 lm	1,100 lm	1,000 lm
95	1,260 lm	1,400 lm	1,490 lm	1,490 lm	1,580 lm	1,580 lm	1,530 lm	1,400 lm
115	1,800 lm	2,000 lm	2,130 lm	2,130 lm	2,260 lm	2,260 lm	2,200 lm	2,000 lm
165	2,160 lm	2,400 lm	2,560 lm	2,560 lm	2,710 lm	2,710 lm	2,640 lm	2,400 lm
200	2,700 lm	3,000 lm	3,200 lm	3,200 lm	3,380 lm	3,380 lm	3,290 lm	3,000 lm

The Ra90 tier tops out at 6500K where Ra97 tops out at 5700K. Reduced-output builds are not tabulated by the factory.

Distribution 120° diffused **Efficacy** – **CRI** 97 (Ra, RG0) or 90 (Ra) **IES File** On request