



DOWN LIGHT COLLECTION · SALES GUIDE

MiniLED / MicroLED Down Lights

A technical decision guide for specifying and quoting the range.



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Guide Overview

Eight decisions, in the order they should be made before a quote goes out.

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Two Light-Hole Sizes

Ø 0.6"

MINILED FAMILY

MiniLED, MiniLED DO, Round, DOR, Quadro, DOQ, Square, Colli / Monti / Cilli, Diago, Line, DOL

Fits in 1.1" of ceiling void

Interchangeable lenses — beam angle selectable

4W / 480lm up to 11W / 1050lm on a single head

DO / DOR / DOQ: two lenses off one plate — roughly double the light from one cutout

Ø 0.4"

POINT-LIGHT FAMILY

Undici, Undici Round, Undici Quadro, Undici Square, Star Five, Star Seven, MicroLED, MicroLED Round

An even smaller hole — minimal ceiling reveal

Fixed at a single beam angle, no interchangeable lens

Fixed at 2W / 200lm per point

No headroom — can't give more light later

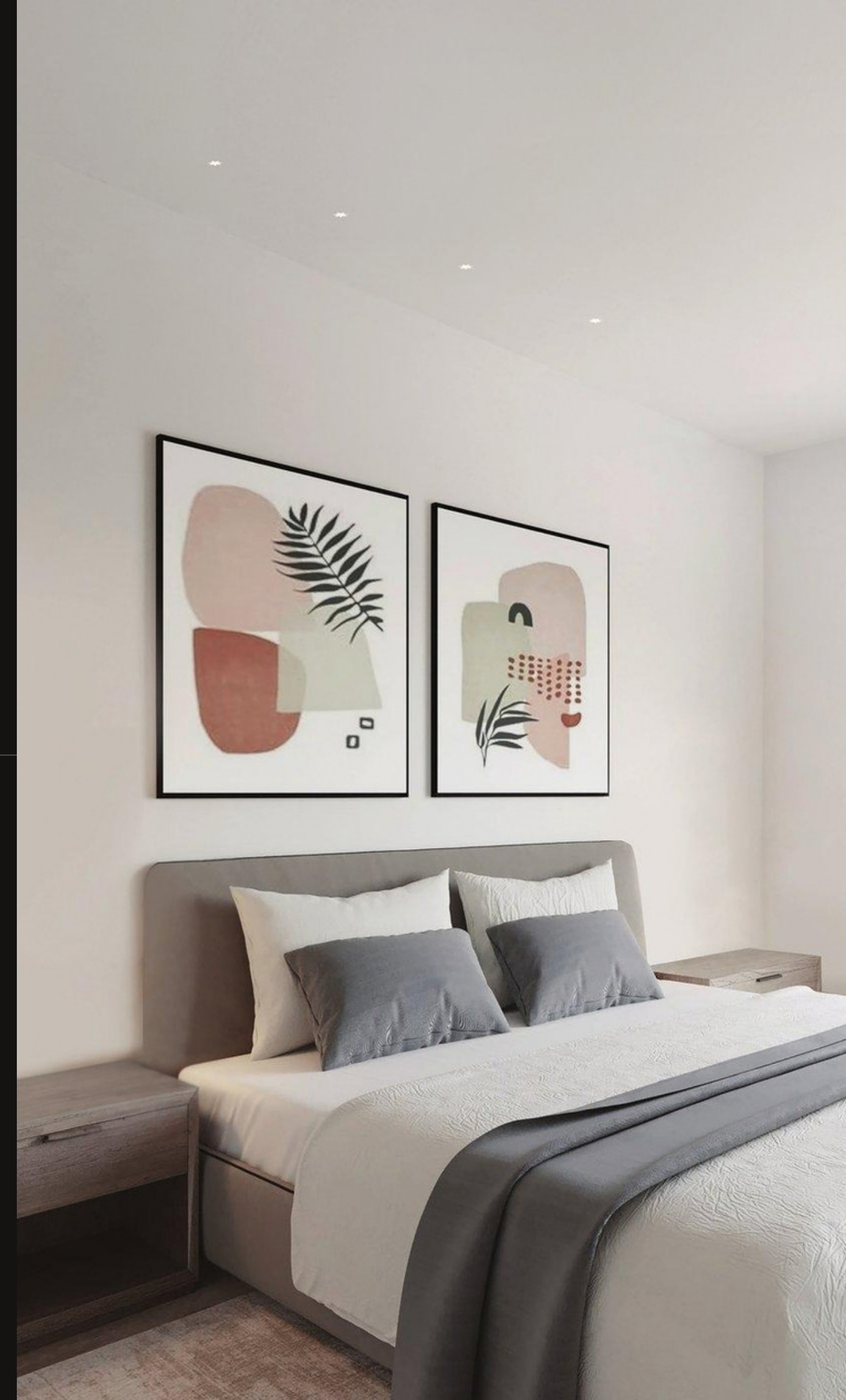
01 — RULE OF THUMB

“Will this actually light the room?”

→ Ø 0.6" MiniLED

“I just want a subtle sparkle, almost invisible.”

→ Ø 0.4" Undici / Star / MicroLED



02 — Ø 0.6" MINILED ONLY

Beam Angle

20°, 30°, 40° or 50° — set by the lens in the article code. A wider or narrower lens kit can be bought separately and swapped on site. The Ø 0.4" family has no beam-angle choice.

20°

TIGHT ACCENT

Art, a single object, a niche, a narrow corridor. Needs closer spacing or it leaves dark patches.

30°

GENERAL ACCENT

Kitchen islands, feature walls, normal ceiling heights (~0.09"–0.1").

40°

DEFAULT AMBIENT

General ambient downlighting in living rooms and bedrooms. Best balance of coverage and punch.

50°

WIDEST SPREAD

Fewest fixtures for even coverage. Low ceilings, bathrooms, hallways, offices.

THE RANGE AT A GLANCE

Small Hole, Full Performance

1

Light hole Ø 0.6" or Ø 0.4"

2

Compact dimensions for plasterboard and brick wall installations

3

Beam angles 20°/30°/40°/50°

4

Latest generation LED and lens



02 — CEILING HEIGHT

Higher ceiling → narrower

Light travels further before it spreads.

Lower ceiling → wider

Otherwise pools of light stay small and disconnected.

Color Temperature

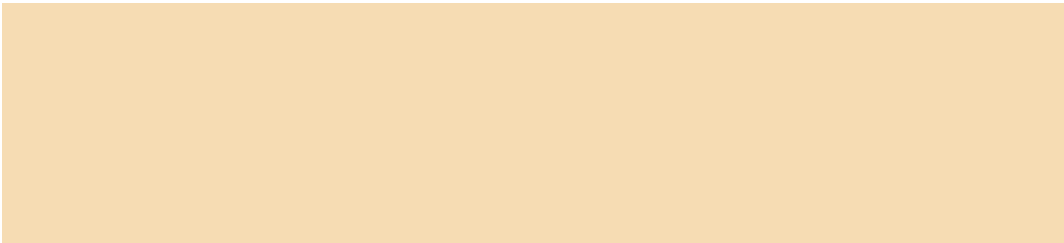
CRI 90 across the range — accurate enough for kitchen counters and dressing areas.



2700K

WARM · COSY

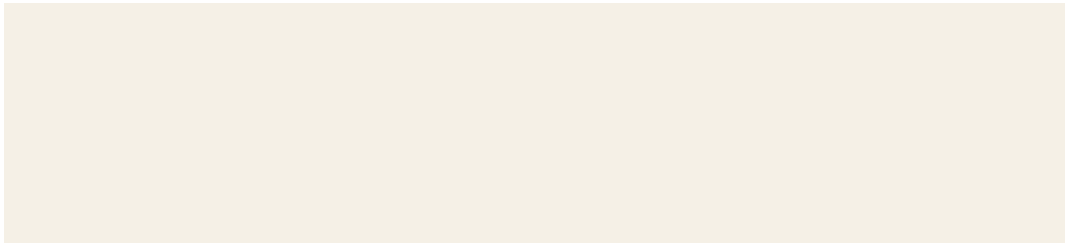
Residential: bedrooms, living rooms, hospitality. Closest to incandescent light.



3000K

SAFEST DEFAULT

Most homes. Still warm but slightly crisper; works well against warm wood tones and most furniture.



4000K

NEUTRAL · CLEAN

Neutral-cool, more energising: kitchens, bathrooms, offices, retail. Reads as “clean” rather than “cosy.”



03 — PRACTICAL TIP

One CCT Per Ceiling Plane

Mixing 2700K and 4000K fixtures in the same room, even within the same family, looks like a fault, not a design choice.

-
- Match new downlights to the CCT of any existing fixtures in the same space before finalising the order.

Two Electrical Set-Ups

CONSTANT CURRENT · CC

Wired in series

Most of the Ø 0.6" MiniLED / MicroLED range

Fixed current tier: 350 / 500 / 700 / 900 / 1400mA
depending on model — each tier gives a different W and lm

Several fixtures on one driver must all share the same
current rating

Not interchangeable. Check the fixture label — CC =
constant current, in mA; CV = constant voltage,
24Vdc.

CONSTANT VOLTAGE · CV

Wired in parallel

Ø 0.4" Undici / Star family

Runs at 24Vdc

Sum of the fixtures must not exceed the driver's total
wattage

Quoting a Driver

Never quote a driver by wattage alone.

1

Match the output type

Current or voltage, to the fixture.

2

Check headroom

Sum of fixture wattages $\leq$ driver's rated power.

3

Match the current rating

Every fixture on that driver run shares the same current rating.

DIMMING

PUSH, 0–10V or DALI — a driver choice, not a fixture choice. Confirm at quote stage; swapping after install means reopening the ceiling.

Ceiling Type & IP Rating

WHAT'S BEHIND IT?

Plasterboard cutout is standard

Brick / masonry / concrete needs a “housing box for brickwork”, recessed before the finish coat. Flag it at design stage, not at delivery.

WHERE IS IT GOING?

IP20 / IP44 — dry interiors

Nothing is rated for direct water exposure. In bathrooms, keep outside direct-spray zones; use a wet-zone-rated BYIBA product inside them.

HOW DEEP IS THE VOID?

~1.1" for Ø 0.6"

Ø 0.4" needs even less. Too shallow rules out the recessed family — use surface-mounted options.

Decorative Design Series

Made to be looked at. Price as a design statement, not a lighting commodity.

Constellation

UNDICI · STAR FIVE · STAR SEVEN

Small 0.4" points arranged freely as a “constellation” on the ceiling — a decorative pattern of light rather than functional illumination.

Sculpted Rosettes

RITMO · ASTRA · FABRIC · MANDALA · CIMA

By Formidable Studio. One Ø 0.6" MiniLED in a sculpted rosette. 15.1"×15.1" cutout, 7–10.1 lb — confirm the ceiling structurally. One feature point per room.

Adjustable & Surface-Mounted

MiniLED Line / DOL

Recessed; head rotates 360° and tilts 90° to re-aim after installation. DOL is the twin-head version.

MicroLED Line

The same adjustable head in the smaller Ø 0.4" body, at lower output.

MiniLED Alu

Surface-mounted, cable-fed spot on a magnetic base. No cutout: solid slabs, rented spaces, finished ceilings.

MiniLED Diago

Fixed recessed point, light hole angled 45° for grazing a nearby wall or stone-clad panel.

MiniLED Flat

Small surface-mounted square ceiling lamp, diffusing light through a Ø 0.6" hole.

QUICK PICK

Target may move → Line. No void → Alu or Flat. Wall texture → Diago.

Accessories

Ask about each one before the quote is finalised.

Emergency kit	Battery backup on power loss. Standard for commercial spaces and escape routes; rarely needed at home.
Honeycomb anti-glare	Black louvre that cuts direct glare at a low viewing angle. Lounges and reception areas.
Additional lens kit	20° / 30° / 40° / 50°, sold separately per family. Change the beam after specifying or installing.
Brickwork housing box	Required for masonry / concrete. Must be installed before the finish coat.

QUICK REFERENCE

Cheat Sheet

All families: CRI 90, colour-temperature choice of 2700K / 3000K / 4000K

FAMILY	HOLE	BEAM	POWER / OUTPUT	IP	BEST FIT
MiniLED (DO / Round / DOR / Quadro / DOQ / Square)	Ø 0.6"	20°/30°/40°/50°, interchangeable	4–11W, 480–1050lm	IP20/IP44	General downlighting, most rooms
MicroLED / MicroLED Round	Ø 0.4"	20° / 40°	1–4W, 146–350lm	IP20/IP44	Compact minimal light, lower output than MiniLED
Undici / Star Five / Star Seven	Ø 0.4"	Fixed, single angle	2W, 200lm	IP20/IP44	Decorative “constellation” of points, not functional light
Ritmo / Astra / Fabric / Mandala / Cima	Ø 0.6" behind a 15.1"×15.1" rosette	20°	4–11W, 480–1050lm	IP20	One feature point per room, statement ceiling
MiniLED Line / DOL / MicroLED Line	Ø 0.6" or Ø 0.4", adjustable head	20°/30°/40°/50°	As MiniLED / MicroLED	IP20	Re-aimable accent light
MiniLED Alu	Surface-mounted, no cutout	20°/30°/40°/50°	4–6W, 480–660lm	IP20	No ceiling void, rented space, retrofit
MiniLED Diago	Ø 0.6", 45° angled hole	Fixed 45° tilt	4–11W, 480–1050lm	IP20/IP44	Wall-grazing near a vertical surface
MiniLED Flat	Surface-mounted plafone	n/a (diffused)	As MiniLED	IP20	Flush low-profile ceiling fixture



QUESTIONS & SUPPORT

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