

Bluetooth Mesh meets DALI.

A flexible control platform for DALI and D4i lighting, sensors, room controls, colour and tunable white applications, connected through one Bluetooth Mesh.

For architects, lighting designers and specifiers.

THE THREE LINES WE LEAD WITH

SMALL-TO-MEDIUM PROJECTS

D4i Bluetooth sensors + DALI D4i Converter

Sensor inside every luminaire, one converter per room.
No gateway, no control cabling.



COLOUR + TUNABLE WHITE

Wireless DMX / RGBWW control

Cove, linear and facade colour scenes on the same mesh, fitted in a CV LED driver.



DALI-2 BASIC SENSORS

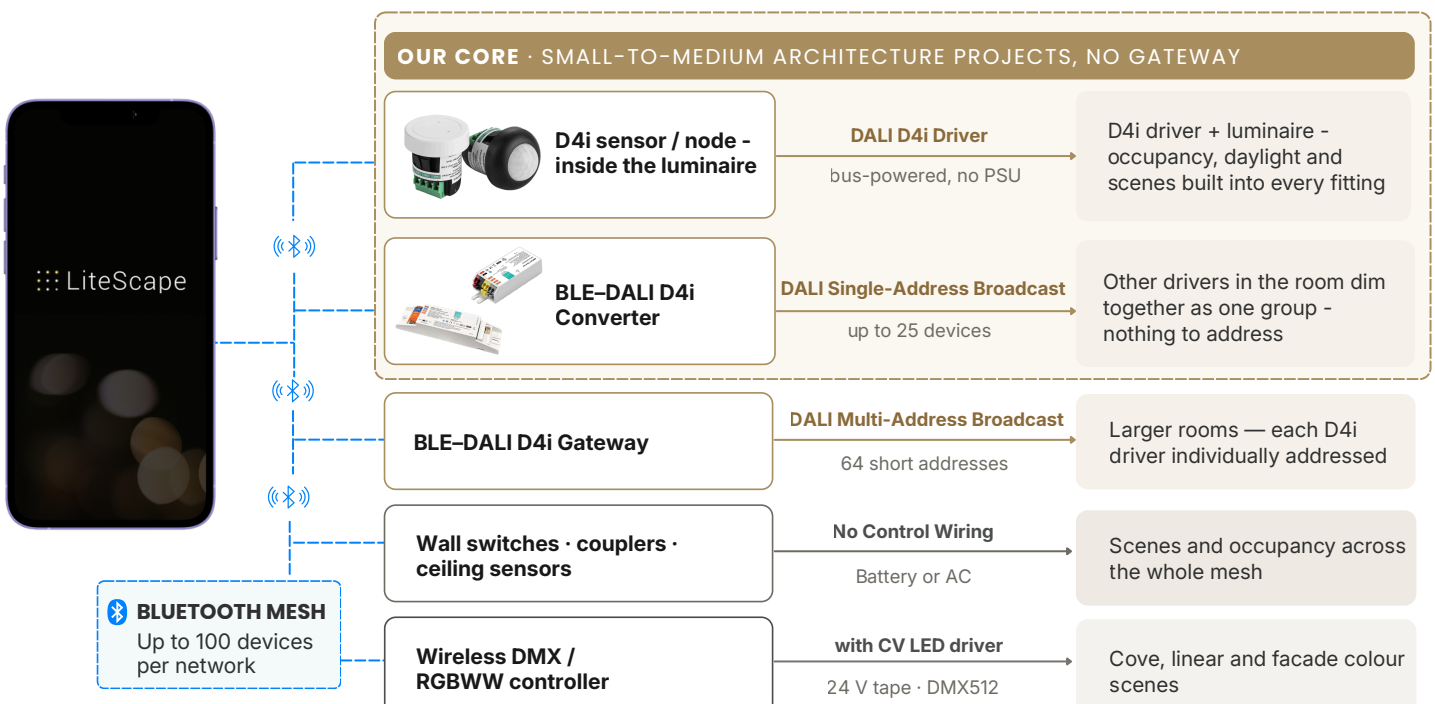
DALI-2 occupancy + daylight sensors

Certified DALI-2 application & input devices, or standalone DALI-2 sensor with IR set-up.



LITESCAPE BLE-DALI ARCHITECTURE

One Bluetooth Mesh — from a single room to a whole floor.



D4i BLUETOOTH + DALI D4i CONVERTER

Every room fully controlled — without a gateway.

For offices, classrooms, retail and hospitality rooms where the design calls for sensing, scenes and daylight control, but the budget and ceiling void leave no room for a central system. LiteScape D4i sensors and nodes fit inside the luminaire; one DALI D4i converter brings the room's remaining drivers onto the same Bluetooth Mesh.

DALI-2 / D4i Parts 251–253 · Bus-powered · Zhaga Book 18 / 20

HOW A ROOM GOES TOGETHER

- Fit the luminaires**
A LiteScape D4i sensor or node goes into each luminaire, powered from the D4i driver.
- Add one converter**
Drivers that dim together connect to a BLE–DALI D4i converter — up to 25 per converter.
- Commission from the app**
Zones, scenes, schedules and daylight set-points from the LiteScape app. No laptop.

BLUETOOTH → DALI D4i CONVERTER · BROADCAST CONTROL



SMBC1225
AC BLE–DALI D4i Converter (D6/D8)
AC 220–240V · up to 25 devices



SMBC1325
DC BLE–DALI D4i Converter (D6/D8)
9.5–22.5VDC · up to 25 devices

BLUETOOTH D4i SENSORS · PIR



IFS105D4i-CTB / CPH
Lowbay Round D4i PIR Motion/ Photocell Sensor
Screw terminal / PH2.0 · bus-powered



IFS108D4i-ZB20
Lowbay Oval D4i PIR Motion/ Photocell Sensor
Zhaga Book 20 · bus-powered



EFS106D4i-ZB18
Highbay Round D4i PIR Motion / Photocell Sensor
IP66, Zhaga Book 18 · bus-powered

BLUETOOTH D4i SENSORS · MICROWAVE



IFS125D4i-CTB / CPH
Lowbay Round D4i Microwave / Photocell Sensor
Screw terminal / PH2.0 · bus-powered



IFS128D4i-ZB20
Lowbay Oval D4i Microwave / Photocell Sensor
Zhaga Book 20 · bus-powered



EFS126D4i-ZB18
Highbay Round D4i Microwave / Photocell Sensor
IP66, Zhaga Book 18 · bus-powered

BLUETOOTH D4i NODE



IFA115D4i-CTB
D4i Node, Round (Screw Terminal)
D6/D8 self-adaptation · bus-powered

Adds wireless control to a D4i luminaire that needs no sensor — the same app, the same mesh as the sensors and converters.

SCALE UP · D4i GATEWAYS AND ROOM CONTROLS

Bluetooth → DALI D4i Gateways

For larger rooms where each D4i driver needs its own address — up to 64 short addresses.



MMUC1064-KO
AC BLE–DALI D4i Gateway
AC 100–277V · up to 64 drivers



MMUC1264
AC BLE–DALI D4i Gateway
AC 220–240V · up to 64 drivers



MMUC1206P
AC BLE–DALI D4i Gateway with Push Button, super-compact
AC 220–240V · up to 6 drivers · 16 × 28 mm



MMUC1364
DC BLE–DALI D4i Gateway, super-compact
9.5–22.5VDC · up to 64 addresses · 16 × 28 mm

Room controls

Join the same mesh with no control wiring — ideal for refurbishment.



WP1018E
Bluetooth wall switches
DC 3V battery



WP1214S
Bluetooth wall switches
AC 220–240V



CP1014E / CP1214S
Bluetooth couplers — keep existing switches
DC 3V battery or AC 220–240V



CS127-PIR / CS127-MWS
Standalone Bluetooth ceiling sensors
AC 220–240V

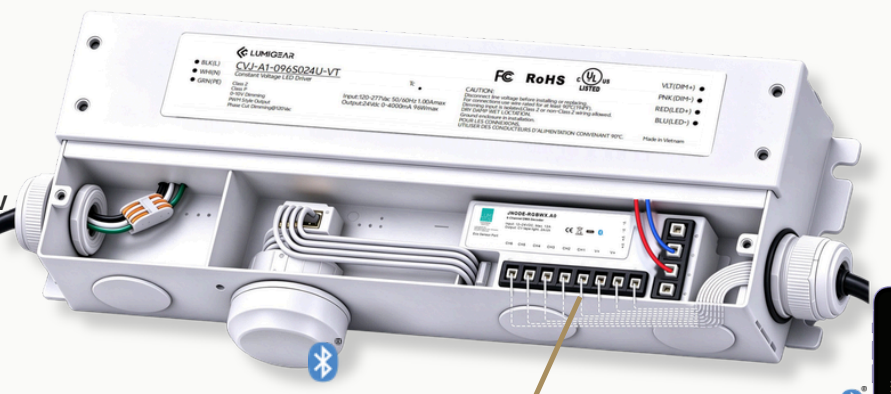
WIRELESS DMX / RGBWW CONTROL

Colour and tunable white for the architectural details.

Cove, linear, facade and hospitality accent lighting on the same LiteScape Bluetooth Mesh as the DALI rooms. Each controller is paired with a constant-voltage LED driver, so colour scenes are designed, scheduled and changed from the same app as the rest of the building.

Bluetooth Mesh · DMX512-A · Lumigear CV enclosures

HOW IT IS WIRED · NORTH AMERICAN VERSION · EU ON REQUEST



AC 120-277V

LiteScape BLE-DMX bridge
The controller sits between the CV driver and the existing DMX512 fixtures — one driver, one controller, one run.

Existing DMX512 fixtures

Commissioning through the LiteScape App

- Addressing + zones
- Scenes + schedules
- Sensor + daylight tuning
- Firmware over the air



JNODE-RGBWX
BLE-RGBWW controller
BLE → RGB+CCT tape-light controller

- 6-channel RGB+CCT, 2A per channel @ 24V
- 8kHz PWM, 16-bit effective dimming
- Bluetooth Mesh 5.0, OTA via LiteScape app
- Mounts in the CV driver's low-voltage compartment

Full colour and tunable white from one controller — no separate RGBWW decoder.



JNODE-DMX
BLE-DMX bridge
BLE → DMX512 bridge

- Converts Bluetooth Mesh commands to DMX512-A
- DMX+ / DMX- / GND output, no load current on board
- Single all-in-one node, 1/2" KO mount
- Works alongside DALI zones in one LiteScape project

Brings existing DMX512 fixtures onto the mesh — no new low-voltage home runs.

APPLICATIONS

Coves and linear runs, facade and landscape accents, retail displays, hotel lobbies, restaurants and bars — anywhere colour and tunable white shape the space.

HOW JNODE FITS A LITESCAPE PROJECT

One app, two protocols

DALI luminaires, CV tape light and DMX512 fixtures appear side by side in the LiteScape app.

No control enclosure

The node sits in the driver's own low-voltage compartment, so the fixture keeps its footprint.

Same mesh, same scenes

Colour and tunable-white channels join the zones, scenes and schedules already set for DALI.

DALI-2 BASIC SENSORS

Certified sensor that fits any DALI-2 system.

For specifiers working on an open DALI-2 bus: each sensor registers as a certified DALI-2 input device, so it drops into LiteScape or any third-party DALI-2 controller — or runs a room on its own. Lowbay, highbay, external and ceiling formats cover offices, warehouses, car parks and corridors.

IEC 62386 Parts 103 and 351 · Occupancy + photocell + IR receiver

DALI-2 SENSOR · PIR



IFS05RD2-CTB / CPH
Lowbay Round PIR / Photocell + IR Receiver
Screw terminal / PH2.0 · bus-powered



IFS08RD2-ZB20
Lowbay Oval PIR / Photocell + IR Receiver
Zhaga Book 20 · bus-powered



EFS06RD2-ZB18
Highbay PIR / Photocell + IR Receiver
IP66, Zhaga Book 18 · PSU 30mA



EFS24RD2-KO
Highbay PIR / Photocell + IR Receiver
IP66, external KO mount · AC 220–240V

DALI-2 SENSOR · MICROWAVE



IFS25RD2-CTB / CPH
Lowbay Round Microwave / Photocell + IR Receiver
Screw terminal / PH2.0 · bus-powered



IFS28RD2-ZB20
Lowbay Oval Microwave / Photocell + IR Receiver
Zhaga Book 20 · bus-powered



EFS26RD2-ZB18
Highbay Microwave / Photocell + IR Receiver
Zhaga Book 18 · PSU 30mA

STANDALONE DALI-2 CEILING-MOUNT SENSOR



CS27RD2-PIR
Standalone PIR / Photocell + IR Receiver
Ceiling / surface / trunking · PSU 30mA



CS27RD2-MWS
Standalone Microwave / Photocell + IR Receiver
Ceiling / surface / trunking · PSU 30mA

ONE SENSOR, TWO MODES

MODE 1 · FACTORY DEFAULT

Application device

Controls the luminaires on its DALI bus directly — no separate controller needed.

Long-press TEST on the RM52

Press RESET — factory defaults

MODE 2 · SYSTEM MODE

Input device

Reports occupancy and daylight to LiteScape or any certified DALI-2 application controller.

Fine-tune on site with the RM52 IR remote — adjust parameters, save presets A–D and send them to the sensor. No app or laptop needed.

Bring LiteScape into your next architectural project.

GET THE APP

LiteScape on iOS, Android and iPad
Available from the App Store and Google Play.

LiteScape

For integration support, contact your LiteTrace representative or visit litetrace.com.

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APPROVAL MARKS



Marks as applicable by model, incl. RED 2014/53/EU for radio products — see product declarations of conformity.

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