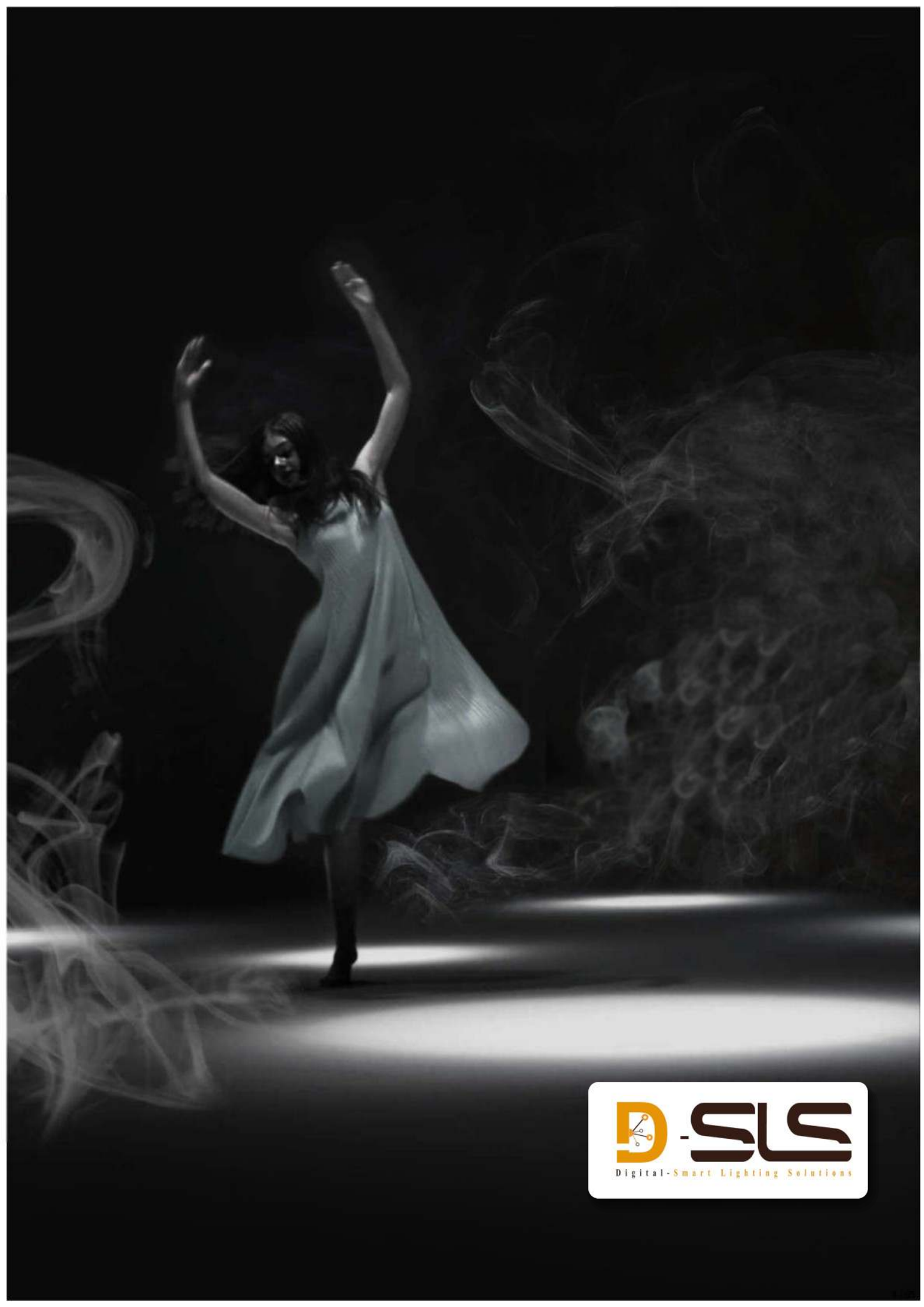




THE D-SLS RANGE AT A GLANCE

One optical, electronic and remote-management platform — declined by application



D-SLS-14 — LOTUS

Road luminaire

Three sizes, one platform. MIRO-SILVER direct optic $p \geq 98\%$ in dark-light architecture, optical efficiency $\geq 95\%$, ULOR 0 %, class G*6.

20 – 250 W

Dedicated catalogue available



D-SLS-18 — Decorative lantern

Heritage lighting

The silhouette of a classic lantern — cast aluminium crown and ornaments — with the full electronics of D-SLS road luminaires.

20 – 150 W

Dedicated catalogue available



D-SLS-25M — Modular floodlight

Sports lighting

27 wattages on a single fully passive-cooled chassis. STU-M asymmetric optic with indirect reflector for playing fields and large areas.

200 – 2 000 W

Dedicated catalogue available



D-SLS-41 / D-SLS-20 — Light column

Street furniture

4 m aluminium column with peripheral lighting. Headline 120 W model, tunable white 2700 – 6500 K controlled over D4i + DT8. Headline 150 W and 250 W variants.

20 – 260 W

Data sheet available



D-SLS-42 — 600 W floodlight

Sports lighting

Floodlight with extruded aluminium body and passive cooling, sized for sports lighting specifications: 600 W $\pm 5\%$, CRI ≥ 70 , IP67 / IK09.

600 W

Data sheet available



D-SLS-19 — 3 m lighting column

Complete assembly

3 m cylindro-conical aluminium column and 60 W cobra-head LED lantern with two arms — a ready-to-install package for municipal street tenders.

60 W

Data sheet available



D-SLS-4 — Square luminaire

Circular post-top

Circular cast aluminium canopy carried on two curved arms: the underside stays clear and the optical unit sits out of direct view. Six lensed LED modules.

20 – 120 W

Dedicated catalogue available



D-SLS-22 · 28 · 31 · 33 · 34 — Artisan luminaires

One-off manufacture

Five one-off models — Empire Lantern, Crown Lantern, Mural Crown, Ø750 Bell and Medina — artisan styling with the same technical core as the road luminaires.

20 – 150 W

Dedicated catalogue available



D-SLS-K4 — LED retrofit kit

Technical core

LED tray, reflector, driver and adapter ring to fit a new or existing decorative shell from Ø 500 to 800 mm — the shell is kept, only the core is new.

20 – 120 W

Dedicated catalogue available

What every D-SLS luminaire shares

- DALI-2 / D4i + DT8 driver programmable via NFC
- Integrated 10 kV / 10 kA SPD with end-of-life indicator
- 7-year warranty, extendable to 10
- LED module and driver replaceable on site
- Zhaga Book 18 · 20 socket ready for the LiDAR node
- LidarMesh CMS remote management · TALQ 2.7.1
- Stainless steel pressure equalisation valve with hydrophobic membrane

SELECTION MATRIX · WHICH LUMINAIRE FOR WHICH USE

Cross the project application with the right family — all families share options and remote management

	ROUTIER	URBAIN	HISTORIC CENTRE	CYCLABLE	SPORTIF	LARGE AREAS	PARC	PARKING	FAÇADE
D-SLS-14 LOTUS · 20 – 250 W	●	●	○	●	○	○	○	●	○
D-SLS-18 Decorative lantern · 20 – 150 W	○	●	●	●	○	○	●	○	○
D-SLS-25M Modular floodlight · 200 – 2 000 W	○	○	○	○	●	●	○	●	●
D-SLS-41 / D-SLS-20 Light column · 20 – 260 W	○	●	●	○	○	○	●	○	●
D-SLS-42 600 W floodlight · 600 W	○	○	○	○	●	●	○	○	○
D-SLS-19 3 m lighting column · 60 W	○	●	○	●	○	○	●	○	○
D-SLS-4 Square luminaire · 20 – 120 W	○	●	○	●	○	○	●	●	○
D-SLS-22 · 28 · 31 · 33 · 34 Artisan luminaires · 20 – 150 W	○	●	●	○	○	○	●	○	●
D-SLS-K4 LED retrofit kit · 20 – 120 W	○	●	●	○	○	○	●	○	○

Reading the matrix

A coloured dot marks the family's main use; all accept the same options (LidarMesh remote management, external 20 kV SPD, Tunable White, C5 anti-corrosion, 10-year warranty) and the same control protocol. For a mixed case — a road crossing a historic centre, a sports forecourt open to the public — families combine on one mesh network and a single supervision interface.

9

families in the 2026 catalogue

20 → 2 000 W

range covered

1

common electronics platform

1

remote management platform
(LidarMesh)

LOTUS · D-SLS-14

Road luminaire — 20 – 250 W

20 – 250 W

wattage range

38 250 lm

maximum luminaire output

153 lm/W

luminaire efficacy

Dedicated

documentation

In brief

Three sizes, one platform. MIRO-SILVER direct optic $\rho \geq 98\%$ in dark-light architecture, optical efficiency $\geq 95\%$, ULOR 0 %, class G*6.

- MIRO-SILVER optic · ULOR 0 % · class G*6
- LUSO 7070 LED module · L90B10 $\geq 100,000$ h
- Zhaga Book 18 · 20 socket for LiDAR node

Applications

Routier

Urbain

Cyclable

Parking

Dedicated catalogue available

Dedicated 24-page product catalogue: full specifications, photometric tables per colour temperature, order coding, certifications and a costed case study. Available on request or for download.

DECORATIVE LANTERN · D-SLS-18*Heritage lighting — 20 – 150 W***20 – 150 W**

wattage range

22 950 lm

maximum luminaire output

153 lm/W

luminaire efficacy

Dedicated

documentation

In brief

The silhouette of a classic lantern — cast aluminium crown and ornaments — with the full electronics of D-SLS road luminaires.

- Cast aluminium crown and ornaments, finish to order
- Flat or globe bowl · M22 threaded fixing
- Asymmetric road optic $\rho \geq 98\%$

Applications

Historic centre

Urbain

Parc

Cyclable

Dedicated catalogue available

Dedicated 24-page product catalogue: full specifications, photometric tables per colour temperature, order coding, certifications and a costed case study. Available on request or for download.

MODULAR FLOODLIGHT · D-SLS-25M*Sports lighting — 200 – 2 000 W***200 – 2 000 W**

wattage range

306 000 lm

maximum luminaire output

153 lm/W

luminaire efficacy

Dedicated

documentation

In brief

27 wattages on a single fully passive-cooled chassis. STU-M asymmetric optic with indirect reflector for playing fields and large areas.

- 200 to 2,000 W · passive cooling, no fan
- STU-M asymmetric optic · controlled glare
- Graduated 0 – 180° tilt bracket

Applications**Sportif****Large areas****Façade****Parking****Dedicated catalogue available**

Dedicated 24-page product catalogue: full specifications, photometric tables per colour temperature, order coding, certifications and a costed case study. Available on request or for download.

SQUARE LUMINAIRE · D-SLS-4*Circular post-top — 20 – 120 W***20 – 120 W**

wattage range

18 360 lm

maximum luminaire output

153 lm/W

luminaire efficacy

Dedicated

documentation

In brief

Circular cast aluminium canopy carried on two curved arms: the underside stays clear and the optical unit sits out of direct view. Six lensed LED modules.

- Six lensed modules · symmetrical distribution
- Ø60 mm post-top · 3.5 to 6 m mounting height
- Hinged canopy, gear tray removable from a bucket lift

Applications**Urbain****Parc****Parking****Cyclable****Dedicated catalogue available**

Dedicated 24-page product catalogue: full specifications, photometric tables per colour temperature, order coding, certifications and a costed case study. Available on request or for download.

ARTISAN LUMINAIRES · D-SLS-22 · 28 · 31 · 33 · 34
One-off manufacture — 20 – 150 W

20 – 150 W

wattage range

22 950 lm

maximum luminaire output

153 lm/W

luminaire efficacy

Dedicated

documentation

In brief

Five one-off models — Empire Lantern, Crown Lantern, Mural Crown, Ø750 Bell and Medina — artisan styling with the same technical core as the road luminaires.

- Styling, colour and frieze defined at order
- Same driver, same LED module, same Zhaga socket
- Dedicated catalogue per model (D-SLS-28, 31, 33, 34)

Applications

Historic centre

Urbain

Parc

Façade

Dedicated catalogue available

Dedicated 24-page product catalogue: full specifications, photometric tables per colour temperature, order coding, certifications and a costed case study. Available on request or for download.

LED RETROFIT KIT · D-SLS-K4*Technical core — 20 – 120 W***20 – 120 W**

wattage range

18 360 lm

maximum luminaire output

153 lm/W

luminaire efficacy

Dedicated

documentation

In brief

LED tray, reflector, driver and adapter ring to fit a new or existing decorative shell from Ø 500 to 800 mm — the shell is kept, only the core is new.

- 1 to 4 LED modules · 20 to 120 W
- Adapter ring for old luminaires
- Integrated DALI-2 / D4i driver and Zhaga socket

Applications

Historic centre

Urbain

Parc

Dedicated catalogue available

Dedicated 24-page product catalogue: full specifications, photometric tables per colour temperature, order coding, certifications and a costed case study. Available on request or for download.

RANGE IN PROGRESS · ITEMS IN PREPARATION

The general catalogue follows the range: every new item joins this page, then gets its own catalogue

**D-SLS-41 / D-SLS-20 — Light column**

Street furniture · 20 – 260 W

4 m aluminium column with peripheral lighting. Headline 120 W model, tunable white 2700 – 6500 K controlled over D4i + DT8. Headline 150 W and 250 W variants.

Data sheet available**D-SLS-42 — 600 W floodlight**

Sports lighting · 600 W

Floodlight with extruded aluminium body and passive cooling, sized for sports lighting specifications: 600 W $\pm 5\%$, CRI ≥ 70 , IP67 / IK09.

Data sheet available**D-SLS-19 — 3 m lighting column**

Complete assembly · 60 W

3 m cylindro-conical aluminium column and 60 W cobra-head LED lantern with two arms — a ready-to-install package for municipal street tenders.

*Data sheet available***The catalogue follows the range, not the other way round**

Every D-SLS family is documented on the same template: same chapters, same blocks, same order. A new item first enters this page, then receives its own 24-page catalogue as soon as its photometric data and certificate are consolidated. Buyers therefore find the same information, in the same place, whichever product they look at.

[Specifications](#)[Photometry](#)[Order coding](#)[Certifications](#)[Case study](#)[Warranty](#)**Coming next**

Next entries planned: light columns in 150 W and 250 W versions, and variants of the decorative lantern. For a data sheet or photometric study on an item in preparation: sa@d-sls.com.

ONE PLATFORM · WHAT NEVER CHANGES FROM ONE PRODUCT TO THE NEXT



Programmable driver

Zhaga-certified DALI-2 and D4i + DT8 · output current adjustable via NFC (AOC) · dim-to-off < 0.5 W · 3 timer modes · OLC compensation · efficiency > 94 %.



Replaceable LED module

Ceramic LEDs under-driven at 700 mA, removable Zhaga Book 18 module — on-site replacement without special tools, L90B10 ≥ 100,000 h.



Zhaga Book 18 · 20 socket

Fitted as standard across the range: the LiDAR node and remote management can be added years later, without opening or removing the luminaire.



Full protection

Type II 10 kV / 10 kA SPD with end-of-life indicator and thermal fuse · IP67 · IK09 · IP68 stainless cable gland · optional external 20 kV SPD.



Universal control

D4i + DT8 · DALI-2 · PWM · 0 – 10 V · HD-PLC · DMX · Art-Net — plus Thread / TALQ 2.7.1 mesh with the remote management option.



Repairable on site

Tool-free opening cover, removable wiring plate, plug-in driver and SPD: maintenance is done from the bucket lift, in line with ecodesign requirements.

What this changes for a fleet manager

One spare-parts stock

drivers, LED modules and SPDs shared by all families

One supervision system

road, decorative and sports on the same LidarMesh map

One training course

the same maintenance procedure on every luminaire

One upgrade path

remote management is added to the existing fleet, not instead of it

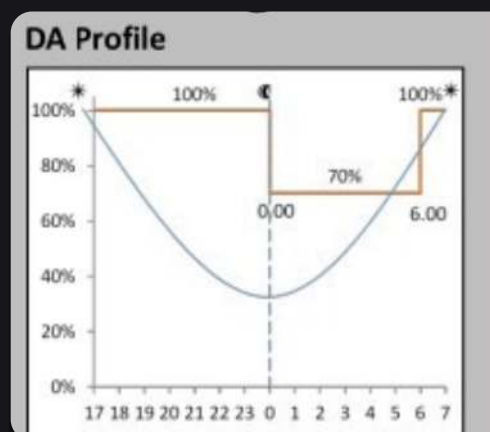
ELECTRICAL SPECIFICATIONS · PROGRAMMABLE DRIVER

Supply voltage	90 – 305 V AC · 50 / 60 Hz (± 10 % tolerance — other voltages and tolerances on request)
LED current	350 – 1,000 mA — wirelessly adjustable via NFC (AOC: programmable output current)
Power factor	> 0.95 (full load – PLM) > 0.98 (full load – F, DA, DAC)
Efficiency	> 94 %
Interfaces	DALI-2 · Zhaga-certified D4i · NFC · PWM · 0 – 10 V
Auxiliary supply	24 V DC / 125 mA / 3 W always on (12 V DC with option A12) · integrated 16 V DC bus (DALI-2)
Surge protection	Integrated type II 10 kV / 10 kA SPD — 10 kV common mode / 6 kV differential mode — LED indicator and thermal fuse: load disconnection at end of life · external 20 kV SPD (option SP20)
Lifetime	$\geq 100\,000$ h L90B10 · $\geq 100\,000$ h L90 (IES TM-21)
Warranty	7 years (10 years with option W10)

Built-in smart functions

- **Dim-to-off** — smart board stand-by < 0.5 W
- **3 timer modes** (Timer setup) — scheduled consumption reduction
- **OLC** Output Lumen Compensation — constant output over lifetime
- **OTP** — NTC in driver and LED array, programmable thresholds
- Thermal sensing and LED module protection
- End-of-life indicator · output light compensation
- **F** (fixed) · **DA** (stand-alone dimming) · **DAC** (stand-alone + control) modes
- Astronomical clock and calendar profiles (option LD)

DA profile — stand-alone dimming



Example of an NFC-programmed profile: 100 % at dusk, reduced to 70 % from midnight to 6 a.m., back to 100 % before dawn — no control wiring, matched to the actual power curve (blue).

REMOTE MANAGEMENT · LidarMesh CMS & D-SLS LiDAR NODE (OPTION LD)

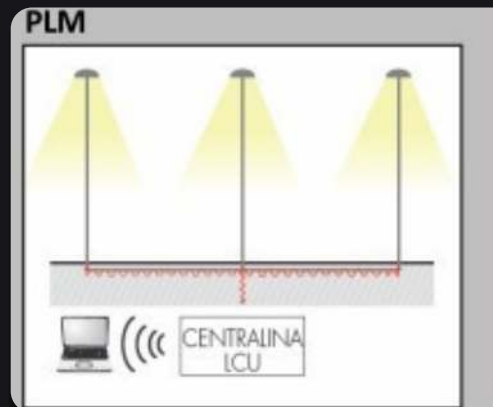
D-SLS smart node — Zhaga Book 18 / D4i

- **LiDAR presence detection** — pedestrians, cyclists, vehicles: on-demand switching and dimming
- **GPS positioning** · astronomical clock · calendar
- **D4i interface**: the node powers, meters and controls the driver (energy, diagnostics)
- **Thread** mesh network (IPv6) · **TALQ 2.7.1** gateway · LoRaWAN 3 – 15 km · HD-PLC 0 – 10 km
- **Peripherals**: surveillance camera, audio / video, environmental sensors, Internet access
- **Dynamic DMX / Art-Net** lighting for façades and ceremonies

Protocols:

D4i **DALI-2** **TALQ 2.7.1** **Thread** **LoRaWAN**
HD-PLC **PWM** **0 – 10 V** **DMX** **Art-Net**

HD-PLC architecture — power line carrier



Communication over the existing power cable to the LCU controller — no additional network to deploy on the poles.



LidarMesh CMS — D-SLS remote management platform (D-SLS Cloud Infrastructure)

- GIS mapping of light points and cabinets
- Alarms and diagnostics: driver, SPD, temperature, voltage
- Predictive maintenance and work order management
- Dimming scenarios by zone, calendar and detection
- D4i energy metering, reports and export
- Open TALQ 2.7.1 API — interoperable with third-party CMS

Role-based secure access, European hosting on the D-SLS Cloud Infrastructure — control from smartphone, tablet or supervision desk.



Street scenario — four levels, zero intervention

100 %
Evening

from sunset to 11 p.m. — full level to EN 13201

50 %
Quiet night

calendar-scheduled reduction

20 %
Stand-by

empty road — instant ramp-up on LiDAR detection

0 %
Dawn

astronomical switch-off, driver < 0.5 W

Implementation

The LiDAR node fits onto the luminaire's Zhaga Book 18 socket — in the factory or as a retrofit on an existing installation, without opening the luminaire. The D4i driver powers it and reports energy consumption, operating hours and diagnostics. Every luminaire becomes an individually metered and controlled point of the LidarMesh CMS platform.

NETWORK, UPDATES & SUPERVISION · OPTION LD

Functions of the LidarMesh CMS platform and the D-SLS LiDAR node — optional, not included in the standard supply.

MESH NETWORK & CONNECTIVITY

Architecture	Every luminaire is an identical TALQ 2.7.1 gateway — exposed TALQ API, DALI D4i functions, IPv6 addressing.
Mesh network	Self-organising, self-healing mesh — sized for more than 10,000 nodes: if a node fails, traffic routes around it automatically.
Internet access	At the client's choice: WiFi, 4G/LTE, Ethernet or fibre — a single link serves a whole segment, with immediate failover.
Network frugality	A single download per segment: updates propagate node to node across the mesh.
Stand-alone mode	Full offline operation: lighting, DALI dimming, LiDAR detection, astronomical calendar (RTC + GPS) and local log — synchronisation resumes when the network returns.
Network security	End-to-end encrypted link (WireGuard, ChaCha20-Poly1305) to the platform.

REMOTE UPDATES (OTA) — SELF-HEALING

Principle	Firmware update of the whole fleet remotely, with no site visit — A/B dual partition: a healthy version always remains available.
Probation	Each new version must prove correct operation (network, DALI, supervision) within 10 minutes — otherwise it rolls back automatically to the previous version.
Rollback guards	Hardware watchdog, reboot loop, loss of network or routing, silent DALI, memory anomaly — each guard triggers the rollback.
Canary deployment	In controlled waves 1 % → 10 % → 50 % → 100 % of the fleet — automatic stop and operator alert on any rollback.
OTA security	Images signed and verified by a hardware secure element before flashing — secure boot, encrypted memory, SHA-256 integrity check, anti-rollback.

SUPERVISION & AI COPILOT

Dashboard	GPS map of every luminaire · status, consumption, alarms and history in real time · one-click DALI configuration.
AI copilot	Plain-language incident diagnosis, deployment recommendations and automatic campaign report.
Predictive maintenance	Alert before LED module / driver / SPD failure — optional sensors: light level, temperature, air quality, noise.
Energy budget	Ceiling set by the operator and never exceeded: self-regulation if spending drifts, per-luminaire tracking, savings and CO2 report.

RANGE — the six connected functions



TUNABLE WHITE



LIDAR AI



MESH NETWORK



SECURE VPN



SELF-HEALING OTA



AI ANTI-THEFT

LidarMesh CMS · D-SLS PROPRIETARY REMOTE MANAGEMENT PLATFORM

D-SLS proprietary cloud platform — no dependency on any third-party supplier.

Every luminaire is a TALQ 2.7.1 gateway. The fleet is managed from a browser with no software to install: multi-user access with differentiated permissions, open API, cloud or on-premise deployment on request.

INTELLIGENT MESH NETWORK

Technology	Self-organising, self-healing mesh — more than 10,000 nodes per network
Protocols	IPv6 SLAAC · Thread · TALQ 2.7.1 · DALI-2 D4i + DT8
Security	End-to-end encrypted tunnel · secure boot · signed firmware
Connectivity	WiFi · 4G/LTE · Ethernet · fibre — one link per segment

ENERGY BUDGET & SOLAR

Energy budget	Ceiling in euros or kWh set by the operator — never exceeded: real-time self-regulation, luminaire by luminaire
Solar integration	Monitoring of photovoltaic production, storage and grid injection — adaptive control based on weather and reserve
Savings report	Dashboard of kWh saved / CO2 avoided / euros billed — automatic monthly report
Dynamic tariffs	Lighting programme adapted to the grid tariff (off-peak / peak hours)

TALQ 2.7.1 INTEROPERABILITY

TALQ standard	TALQ 2.7.1 API exposed on every node — compatible with any TALQ-certified third-party CMS
DALI D4i functions	The 8 mandatory D4i functions (Part 102/103/251/252/253/304/306/351) + diagnostics
Calendars	Real astronomical calendars (GPS sunrise / sunset + RTC) · scenarios · manual override
Independence	The operator remains the owner of its data · CSV / JSON export · portability to any other TALQ CMS

ACCESS & SERVICE

Client access	Multi-browser web interface · iOS and Android mobile app
Multi-site	Multi-municipality and multi-district management · rights delegation · full traceability of operations
Hosting	D-SLS Cloud Infrastructure (European Union) · 99.9 % availability · 24/7 technical support

Stand-alone mode — no Internet

The fleet stays controllable without a connection: lighting, DALI dimming, LiDAR detection, astronomical calendar and local log all work offline. Synchronisation with the platform resumes automatically when the network returns — no permanent connection is required for day-to-day operation.

10 000+

nodes per mesh network

99,9 %

platform availability

24/7

technical support

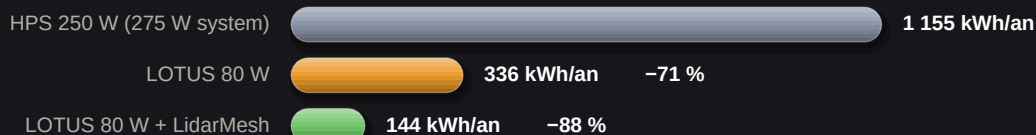
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software to install

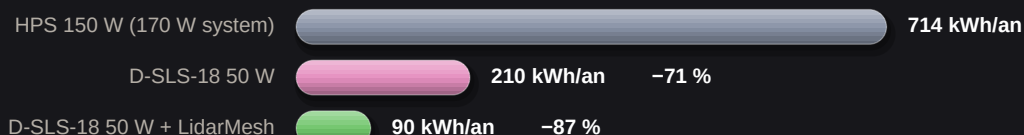
ENERGY SAVINGS · THREE TYPICAL REPLACEMENTS

Annual consumption per light point — 4,200 h/year for streets, 1,000 h/year for sports · €0.25/kWh

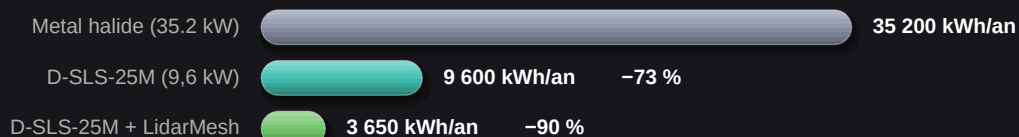
Streets — HPS 250 W → LOTUS 80 W



Historic centre — HPS 150 W → D-SLS-18 50 W



Sports pitch — 16 × MH 2,000 W → 8 × D-SLS-25M 1,200 W



Basis of calculation

Common assumptions: €0.25/kWh · 0.25 kg CO₂/kWh · illuminance levels maintained or exceeded (EN 13201 for streets, NM EN 12193 for sports). The gains on the "+ LidarMesh" line come from on-demand dimming on LiDAR detection and from astronomical calendars. Every project receives a DIALux / Relux study and a project-specific costing.

TYPE TESTS & ROBUSTNESS

TYPE TESTS

Temperature rise	ta 50 °C — EN 60598-1 cl. 12: driver tc and LED module tp, values corrected to the reference ambient.
Ingress protection	IP 67 — IEC 60529 (dust · temporary immersion 30 min / 1 m).
Mechanical impact	Full IK 09 — IEC 62262 (10 joules), on the assembled luminaire.
Vibrations	IEC 60068-2-6 — road mounting, post-top, bracket and suspension.
Surges	10 kV / 10 kA — EN 61000-4-5; replaceable type II SPD with end-of-life indicator — optional external 20 kV SPD.
Photometry	EN 13032 / LM-79 — LDT and IES files per reference and per CCT; LM-79 reports with the series optic: in progress.
Long-term output	LM-80 + TM-21 — L90B10 ≥ 100 000 h.
Corrosion	ISO 9227 salt spray — 500 h on coating and fasteners.

ROBUST PRODUCT — CONSTRUCTION CHOICES

Body / cover	Die-cast aluminium EN AC-47100 to UNI EN 1706 — EN 10204 type 3.1 material certificate.
Coating	Exterior-grade polyester powder coating: thickness ≥ 70 µm (ISO 2360), class 0 adhesion (ISO 2409), 500 h salt spray (ISO 9227), UV resistance.
Reflector	High-reflectance aluminium ρ ≥ 98 % (ISO 7668 / DIN 5036-3), anti-iridescence structured surface, sealed optical chamber.
Front glass	5 mm flat extra-clear tempered glass: EN 12150-1, EN 14179 heat-soak test, double-sided anti-reflective treatment (EN 410).
Closure	Die-cast aluminium latches + stainless steel springs — A2 stainless fasteners, tool-free opening.
Wiring	Removable wiring plate, plug-in connectors — driver and SPD replacement without tools.
Pressure equalisation valve	Stainless steel valve with hydrophobic membrane — equalises internal pressure through every day / night cycle without affecting sealing; replaceable without opening the luminaire.

Repairability

The luminaire is designed to be **repairable on site**: LED module, driver and SPD are replaced individually, without removing the luminaire or using special tools. This architecture meets the circular-economy requirements of European ecodesign and extends the useful life of the installation well beyond the warranty.

ta 50 °C

certified ambient temperature

10 J

IK09 on assembled luminaire

500 h

ISO 9227 salt spray

10 kV / 10 kA

surge immunity

CERTIFICATIONS & STANDARDS



ENEC certificate no. HN 69290740

Certification body	TÜV Rheinland InterCert Kft. (MEEI, Budapest)
Standards	EN IEC 60598-1:2021 + EN 60598-2-3
Certificate holder	D-SLS SRL — Via Bocchetto 6, 20123 Milan (MI), Italy
Types covered	D-SLS-a-b-cd families — series 14, 18 and 25 covered by the certificate in force
Certified parameters	AC 220 – 240 V · class II · ta 50 °C · IP66 (certificate in force)

A copy of the certificate and the test report accompany every quotation.



Additional testing

- **IP67** — IEC 60529 (dust · immersion 30 min / 1 m)
- **IK09** — IEC 62262 (impact resistance, 10 J)
- **EN 62471** — photobiological safety RG0
- **EN 61000-4-5** — surge immunity 10 kV / 6 kV
- **CEM** — EN 55015 · EN 61547 · EN 61000-3-2 / -3-3
- **LM-80 / TM-21** — lifetime ≥ 100,000 h L90B10

Standards framework

Luminaire safety

EN IEC 60598-1 · EN 60598-2-3 · EN 60598-2-5

Photobiology

EN 62471

Electromagnetic compatibility

EN 55015 · EN 61547 · EN 61000-3-2 · EN 61000-3-3 · EN 61000-4-5

Protection

EN 60529 (IP) · EN 62262 (IK)

Application

EN 13201 (road lighting) · UNI 11248 (classes M, C, P) · CIE 150 (obtrusive light)

Control & interoperability

IEC 62386 (DALI-2 · D4i) · Zhaga Book 18 · TALQ 2.7.1

Lifetime

IES LM-80 · IES TM-21 · IES LM-79 · UNI EN 13032-1

European directives

2014/35/EU (low voltage) · 2014/30/EU (EMC) · 2011/65/EU (RoHS)

CE

ENEC

RoHS

IP67

IK09

Class II

DALI-2

Zhaga Book 18



Compliance documentation

The parameters above are those recorded in the ENEC certificate in force; the product characteristics on the preceding pages correspond to the current commercial definition of the luminaire. Published product references correspond to the types listed in the ENEC certificate. CE marking under directives 2014/35/EU, 2014/30/EU and 2011/65/EU; EU declaration of conformity, ENEC certificate, IP / IK reports and photometric files are attached to every tender file.


www.d-sls.it


WhatsApp direct


sa@d-sls.com

Certificates, test reports and photometric files on request.

COMMON CODING · ONE REFERENCE, ONE CONFIGURATION

Identical structure across the range



ENEC-certified type D-SLS-a-b-cd — a = series, b = size, c = wattage, d = photometry A / B / C.

Series in the range

D-SLS-14 — LOTUS	Road luminaire · 20 – 250 W
D-SLS-18 — Decorative lantern	Heritage lighting · 20 – 150 W
D-SLS-25M — Modular floodlight	Sports lighting · 200 – 2 000 W
D-SLS-41 / D-SLS-20 — Light column	Street furniture · 20 – 260 W
D-SLS-42 — 600 W floodlight	Sports lighting · 600 W
D-SLS-19 — 3 m lighting column	Complete assembly · 60 W
D-SLS-4 — Square luminaire	Circular post-top · 20 – 120 W
D-SLS-22 · 28 · 31 · 33 · 34 — Artisan luminaires	One-off manufacture · 20 – 150 W
D-SLS-K4 — LED retrofit kit	Technical core · 20 – 120 W

Option suffixes — common to all families

LD LidarMesh remote management	SP20 external 20 kV SPD	W10 10-year warranty	MAR C5 anti-corrosion
A12 12 V auxiliary	TW Tunable white	S3 3 SDCM / higher CRI	RALxxxx colour to order

Quotations & purchase orders

A reference fully describes the configuration supplied: it is carried over as it stands to quotations, purchase orders and price schedules. Options accumulate and are appended in this order at the end of the reference.

WARRANTY & SERVICES

7-year warranty



Standard **7-year** warranty on the complete luminaire — LED module, optic, driver and SPD — for a compliant installation and an ambient operating temperature $\leq 50^{\circ}\text{C}$.

10-year extension (W10)



On project registration at commissioning: warranty extended to **10 years**, covering lumen maintenance (L90) and spare-part availability.

Lighting studies



DIALux / Relux photometric study to EN 13201 / UNI 11248, LDT / IES files, LED LM-80 reports and calculation notes for tender files (LM-79 reports in progress).

Factory configuration



LED current (NFC), DA / DAC dimming profiles, DALI-2 addresses, OTP thresholds and D4i parameters set in the factory to the project sheet — luminaires ready to install.

LidarMesh commissioning



Integration of light points into **LidarMesh CMS**, scenario creation, operator training and remote support.

Spare parts & after-sales



Zhaga Book 18 LED modules, drivers, glasses and gaskets available throughout the warranty period — on-site replacement without special tools.

Sales & technical contact

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