

XHLWX Indoor Project Case Book

Custom indoor architectural LED luminaires for contractors, MEP engineers, lighting designers and design institutes — selected 2025/2026 references. Indoor projects only.

Manufacturing & engineering capability

Capability	Detail
Product scope	Indoor architectural LED only: linear/grille, track, downlights, magnetic systems, profiles, custom trims
Customisation	Length, section, trim colour/finish, optics (15/24/36/60°), CCT 2700-6500K, CRI 80/90/95/98, driver brand
Controls	DALI-2 / DT8, Casambi Bluetooth, 0-10V, phase-dim, tunable white, emergency versions
Quality data	LM-79 / LM-80 reports, IES + LDT photometric files, SDCM<=3 binning, flicker SVM<0.4
Certification	CE, CB, RoHS, ETL/UL on request, EN 12464-1 and EN 60598 compliance support
Free engineering	DIALux evo study from your DWG/PDF: false-colour lux map, UGR per viewing direction, luminaire schedule
Lead time	Samples 7-10 days; production 20-25 days after drawing approval
Warranty	5 years standard on luminaire and driver

Selected indoor project references

01. Toronto Subway Station Platform Lighting

Location: Toronto, Canada | **Type:** Infrastructure / Metro

Custom glare-free linear luminaires for platform and concourse. Targets: UGR<19, CRI Ra90, DALI-2 dimming with emergency integration, IP54 housings, vandal-resistant polycarbonate optics.

Full case study: <https://www.led-project-light.com/projects/proj-ca-metro-01>

02. Copenhagen Green Office Campus — DALI-2 Tunable White

Location: Copenhagen, Denmark | **Type:** Commercial / Office

Human-centric tunable white (2700-6500K) with DALI-2 scene control and daylight harvesting. EN 12464-1 500 lux desk, UGR<19, WELL-aligned circadian schedule; ~55% energy reduction vs the previous T5 layout.

Full case study: <https://www.led-project-light.com/projects/proj-dk-office-01>

03. Milan Fashion Flagship Relighting

Location: Milan, Italy | **Type:** Retail / Fashion

Custom track and linear fixtures at CRI 98 (R9>90) and UGR<13 for fabric texture and colour fidelity.

Beam kit 15°/24°/36°, black internal trims, DALI-2 zoning per merchandising wall.

Full case study: <https://www.led-project-light.com/projects/proj-it-retail-01>

04. Seoul Cosmetics Hall — High-CRI Retail

Location: Seoul, South Korea | **Type:** Retail / Department Store

CRI 97+ track lights with tight SDCM<=3 binning for skin-tone accuracy across 180 m of display. Anti-glare honeycomb louvres, flicker <1% (SVM<0.4) for phone-camera content.

Full case study: <https://www.led-project-light.com/projects/proj-kr-retail-01>

05. Vienna Concert Hall Relighting

Location: Vienna, Austria | **Type:** Culture / Performance

Custom architectural luminaires matched to a heritage interior: warm 2700K, CRI 95+, deep-recessed low-glare optics, silent DALI drivers (no audible hum), full dim-to-1% curve.

Full case study: <https://www.led-project-light.com/projects/proj-at-culture-01>

06. Brussels Hospital Outpatient Wing

Location: Brussels, Belgium | **Type:** Healthcare

UGR<19 ceiling and corridor lighting with wipe-clean IP44 gaskets, DALI-2 nurse-station scenes, and 3000K/4000K zoning for patient comfort and staff task accuracy.

Full case study: <https://www.led-project-light.com/projects/proj-be-hospital-01>

07. Houston Sports Club Indoor Courts

Location: Houston, USA | **Type:** Sports / Indoor Court

Custom high-output linear fixtures reaching sports-grade uniformity with UGR<19 from player viewing angles; DALI-2 presets for training, match and broadcast levels.

Full case study: <https://www.led-project-light.com/projects/proj-us-sports-01>

08. Warsaw Logistics Hub High-Bay Retrofit

Location: Warsaw, Poland | **Type:** Logistics / Warehouse

DALI-2 high-bay retrofit for an automated warehouse: UGR<22, aisle-level occupancy zoning, 65%+ energy savings, L90B10 50,000 h at Ta 45°C.

Full case study: <https://www.led-project-light.com/projects/proj-pl-warehouse-01>

How we work with designers and contractors

1. Send drawings, not specifications. A DWG, PDF or even a sketch with ceiling heights and room use is enough for us to start.

2. Free DIALux evo study. You receive a false-colour lux map, UGR per viewing direction, a luminaire schedule and IES/LDT files. No purchase obligation, and the files remain yours.

3. Custom sample. We build one fixture to your trim, finish, optic and CCT in 7-10 days so the specification is proven before tender.

4. Tender-ready documentation. LM-79/LM-80, driver datasheets, warranty terms and mounting details in one pack — the documents specifiers are usually asked to chase.

5. Production and delivery. 20-25 days after drawing approval, with pre-shipment photos and test data per batch.

Before you specify any indoor LED luminaire, read our buyer's guide:
<https://www.led-project-light.com/resources/lighting-procurement-guide>

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