INDOOR LUMINAIRES — LINEAR HIGH BAY

FORT-A DALI Linear High Bay

80W–200W | 13000–34000 LM | 170 LM/W | 50°×100° | IP65 IK08

220–240V · TEMPERED GLASS + LENS · DALI-2 / 0-10V · 5-YEAR WARRANTY



KEY FACTS

FORT-A is a DALI linear high bay for warehouses pairing tempered glass optics with 170 lm/W and IP65/IK08 ruggedness. Four wattages cover low to high bays — 80W/13000lm (1200mm) to 200W/34000lm (1500mm) — with precise 50°×100° aisle optics and optional high-temp +60°C driver.

POWER	80W / 100W / 160W / 200W
OUTPUT	13000–34000 lm · 170 lm/W
LIGHT	CRI ≥80 · 50°×100° · TG + Lens
SUPPLY	220–240V AC 50/60Hz · PF >0.9
PROTECTION	IP65 · IK08 · Tempered Glass
CONTROL	DALI-2 / 0-10V · Sensor & EM option

Warehouses | Manufacturing | Cold storage | Dust & chemical

ORDERING — FORT-A · 80W / 100W / 160W / 200W · 50°×100°



ORDER CODE	POWER	SIZE (W×H×L)	LUMEN @4000K	BEAM
5515080	80W	90×65×1200mm	13000lm	50°×100°
5515100	100W	90×65×1500mm	17000lm	50°×100°
5515160	160W	220×75×1200mm	26000lm	50°×100°
5515200	200W	220×75×1500mm	34000lm	50°×100°

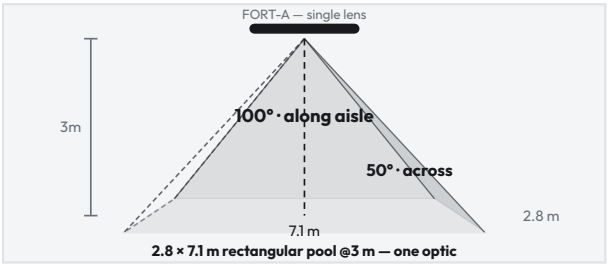
※ Full code = table code + GLASS(C/T/F) + DIM(N/V/D) + CCT(K30/K40/K50), e.g. 5515100CD-K40 (100W Clear DALI 4000K)
C=Clear TG+Lens · T=Textured TG+Lens (UGR<22) · F=Frosted TG (no lens) · N=Non-dim · V=0-10V · D=DALI-2
High-temp +60°C driver, microwave sensor, EM pack and linkable version on request — contact sales.



APPLICATION

- **Warehouse aisles:** 50°×100° rectangular beam washes vertical racks — 80/100W (single) for 6–10m, 160/200W (dual) for 10–15m.
- **Manufacturing & chemical:** tempered glass resists oil mist and solvents — 10,000× lower static than PC, 99% lumen recovery after wipe.
- **Cold & high-temp:** sensor dimming cuts heat in chill stores; HT driver keeps output to +60°C for foundries and paper mills.
- **Low-glare option:** textured glass drops UGR 2–3 points — choose C (max lm) vs T (comfort) at order.

LIGHT DISTRIBUTION — FIXED 50° × 100° (AISLE)



2.8 × 7.1 m rectangular pool @3 m — one optic

OPTIC	SPOT AT 3 M	BEST FOR
50°×100° fixed	2.8×7.1m rectangular pool	Racking aisles

50° = across-aisle plane, 100° = along-aisle plane of the same lens — not separate options. Width per plane = 2 × 3 m × tan(θ/2): 2×3×tan25°≈2.8 m across, 2×3×tan50°≈7.1 m along. Schematic geometry, not measured photometry.

CCT LUMEN MULTIPLIER — RATED @4000K

CCT	MULTIPLIER	EXAMPLE (100W)
3000K	×0.95	16150lm
4000K	×1.00 (rated)	17000lm
5000K	×1.03	17510lm

Ordering-table lumens rated @4000K. Multipliers are the factory standard for this series; re-validate by LM-79 per CCT when available.

NOTES

- **Ordering:** Clear TG+Lens standard — choose C/T/F glass and N/V/D dimming at order; textured glass gives UGR<22, frosted (no lens) is diffuse parking wash; see ※.
- **Supply & control:** 220–240V AC 50/60Hz · DALI-2 (DT6, Parts 251/252/253) or 0-10V 1–100% · microwave / daylight sensors, corridorDIM, CLO and EN 50172 EM on request; PF >0.9.
- **Layout:** 6–15 m mounting — 50°×100° along racking; suspension or surface mount, linkable run; +60°C HT driver for foundries/paper mills.
- **Warranty & family:** 5-year warranty with spare drivers/modules; low-bay corridors see AQUA-D, tri-proof tubes see SF01, retail track panel see PANE-P LL1615.

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