

INDOOR LUMINAIRES — LINEAR HIGH BAY

FORT-A-HT High Temperature Linear High Bay

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

-40 TO +80°C DRIVER · TEMPERED GLASS + LENS · DALI-2 D4i · 5-YEAR WARRANTY



KEY FACTS

FORT-A-HT pairs the proven FORT-A extruded housing with a high-ambient INDUSTRY driver for foundries and steel mills. Four wattages hold full output where standard bays derate — 80W/13000lm to 200W/34000lm — with 50°×100° aisle optics and D4i data over the hot bus.

POWER	80W / 100W / 150W / 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 D4i 1-100% · NFC

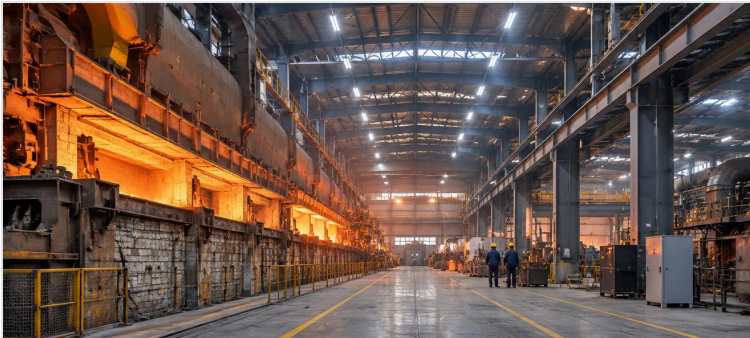
- Foundries
- Steel mills
- Paper dryers
- Dust & oil

ORDERING — FORT-A-HT · 80W / 100W / 150W / 200W · 50°×100°



ORDER CODE	POWER	SIZE (W×H×L)	LUMEN @4000K	BEAM
5516080D	80W	90×65×1200mm	13000lm	50°×100°
5516100D	100W	90×65×1500mm	17000lm	50°×100°
5516150D	150W	220×75×1200mm	25000lm	50°×100°
5516200D	200W	220×75×1500mm	34000lm	50°×100°

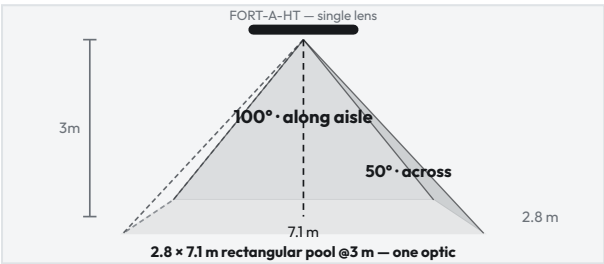
※ Full code = table code + GLASS(C/T/F) + CCT(K30/K40/K50), e.g. 5516100DC-K40 DIM D built in (DALI-2 D4i only)
C=Clear TG+Lens · T=Textured TG+Lens (UGR<22) · F=Frosted TG (no lens) · N=Non-dim · V=0-10V · D=DALI-2
200W pairs two 100W high-temp drivers on the same platform — microwave sensor, EM pack and linkable version on request.



APPLICATION

- **Measure at the fitting:** floor readings understate housing heat by 15–25°C — past 60°C at the housing, order HT.
- **Size by lux:** 80W low bays, 100–150W mid aisles, 200W high roofs; verify in Dialux.
- **Glass in hot dust:** tempered glass wipes clean where PC hazes — 3-plus-year cleaning intervals.
- **One family:** HT over furnaces and dryers, standard DALI over cool storage — spares stay common.

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



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

50° = across-aisle plane, 100° = along-aisle plane of the same lens — not separate options. Width per plane = $2 \times 3 \text{ m} \times \tan(\theta/2)$: $2 \times 3 \times \tan 25^\circ \approx 2.8 \text{ m}$ across, $2 \times 3 \times \tan 50^\circ \approx 7.1 \text{ m}$ 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:** INDUSTRY high-temp driver built in (DALI-2 D4i only) — choose C/T/F glass and K30/K40/K50 at order; 200W pairs two 100W drivers; see ☒.
- **Supply & control:** 220–240V AC 50/60Hz · DALI-2 1–100% with D4i energy plus diagnostics, NFC; 4kV built-in, external SPD toward 10kV on furnace boards; PF >0.9.
- **Layout:** 6–15 m mounting — 50°×100° along racking; suspension or surface mount; log ceiling air through a full shift before sizing.
- **Warranty & family:** 5-year warranty with spare drivers/modules; cool warehouses see standard FORT-A, washdown tubes see SF01, low-bay corridors see AQUA-D.



Scan for live datasheet