FAYTECH® AI CAMERA RAIL 4.0 DALI LIGHT RAILS

FTAICR - Light Rails 0.6 / 1.5 / 2.1 m
3030526873 / 3030526874 / 3030524469

Preliminary Datasheet
2026.11.06

SCAN ME

Pictures show sample configurations, real product may vary.

LUMINAIRES

2.1 m Light Rail	3030524469 (1.5 m + 0.6 m luminaire)
1.5 m Light Rail	3030526874 (1 × 1.5 m luminaire)
0.6 m Light Rail	3030526873 (1 × 0.6 m luminaire)
1.5 m Luminaire	50 W, CFLS-1550 (DALI)
0.6 m Luminaire	20 W, CFLS-1620 (DALI)
Color Temperature	4000 K
Beam Angle [°]	90 (wide)
Luminous Efficacy	Up to 195 lm/W
Color Rendering	Ra > 80
Dimming	DALI DT6, 1 % to 100 %
Flicker	≤ 5 %
Housing Color	White

TRUNKING RAIL

Rail Lengths	0.6 m / 1.5 m / 2.1 m (1.5 m + 0.6 m)
Rail Type	8-wire trunking rail, white
Wiring	CHR / L1 / N / L2 / PE / L3 / D1 / D2
Conductor Cross-section	2.5 mm² power, 1.5 mm² dimming
Max. Current per Feed	16 A
Phase Selection	L1 or L2, slide switch at luminaire
Camera Phase	L3 (for camera modules)
Rail Connection	Plug-in, push-to-click connectors
Network Pass-through	Cat6a patch cable 0.5 / 1.4 / 1.8 m

ELECTRICAL

Input Voltage	220-240 V AC, 50/60 Hz
Power Factor	0.95
Power Setting 1.5 m	35 / 40 / 45 / 50 W (DIP switch)
Power Setting 0.6 m	20 / 25 / 30 / 35 W (DIP switch)
DALI Standby Power	≤ 0.5 W

ENVIRONMENTAL CONDITIONS

Ambient Temperature	-25°C to 40°C
Storage Temperature	-40°C to 85°C
Humidity Range	10% to 85%
Protection Class	IP20, indoor only

CERTIFICATIONS

Luminaire	TÜV Rheinland type approved
CE Conform	Yes, certificate upon request for a fee
FCC Conform	Yes, certificate upon request for a fee

HOUSING

Luminaire W × H [mm]	76 × 70
Lengths [mm]	600 / 1500 / 2100
Mounting	Suspension cord / rod / chain or surface
Suspension Distance	Up to 3 m
Installation	Free combination with camera modules

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ACCESSORIES

Network Cable	Cat6a, RJ45 both ends (included)
Accessory Kit	3030524513 (1 kit per 15 m or per 6 camera modules + 6 light rails)
Accessory Kit Contents	End cap (steel, RAL 9016), silicone plugs, 8P feed connector to open wires
Ceiling Suspension Clamp	3030524517 (2 per 1.5 m rail)
Camera Modules	3030524511 (Shelf), 3030524512 (Aisle)

INTENDED USE/APPLICATION

The AI Camera Rail 4.0 DALI Light Rails are LED trunking lights in 0.6 m, 1.5 m and 2.1 m for indoor retail environments. They provide shelf and aisle lighting and carry power and the 2.5 GbE network to the AI Camera Rail 4.0 Shelf and Aisle Modules, which plug into the same 8-wire trunking rail. One accessory kit closes and feeds each rail run.
Installation must be carried out by a qualified electrician. Light rails (LR) and camera modules (CR) can be combined freely, standard sequence LR - CR - LR - CR - LR.
The device is designed for indoor use only. Devices operated or stored outside the specified temperature ranges are not covered by warranty.

POWER

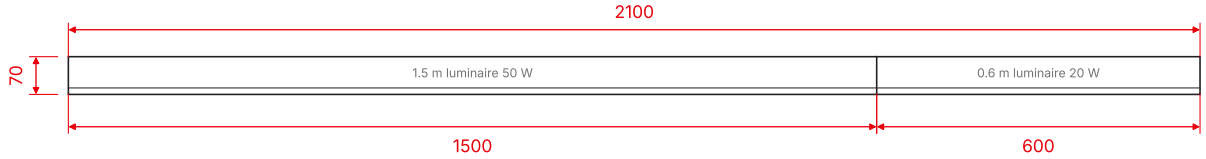
LED Power	70 W (2.1 m) / 50 W (1.5 m) / 20 W (0.6 m)
Adjustable	Via DIP switch, see electrical
Power Feed	Via trunking rail, L1 or L2
Power Consumption	≤ 70 / 50 / 20 W

WEIGHT & PACKAGING

Net Weight	approx. 5.5 / 3.9 / 1.7 kg (2.1 / 1.5 / 0.6 m)
Gross Weight (incl. Cartonage)	approx. 38 / 28 / 14 kg per carton of 6
Packaging Material	Carton box with EPE foam inserts
Carton 2.1 m L × W × H [mm]	2360 × 390 × 310 (6 rails)
Carton 1.5 m L × W × H [mm]	1758 × 390 × 310 (6 rails)
Carton 0.6 m L × W × H [mm]	855 × 390 × 310 (6 rails)

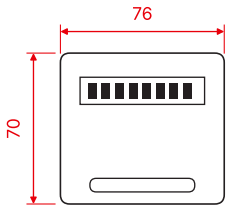
DIMENSIONS

2.1 m · 3030524469



1.5 m · 3030526874

0.6 m · 3030526873



End view (enlarged)

All dimensions in mm. Rails plug together (push-to-click); 8-wire trunking rail CHR / L1 / N / L2 / PE / L3 / D1 / D2. Suspension points up to 3 m apart.

UPDATE NOTES:

Version:	Changes:
v1	First version (preliminary), 2.1 m only
v2	0.6 m and 1.5 m added, weights & packaging

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