Lino-F4

20W Optical Linear 48VDC LED Track Luminaire

WATTAGE 20W	VOLTAGE 48VDC	3-Step	Bluetooth ✳	DALI	CE	⚠	WARRANTY 5YR

Oval ▲	Round ▲	WALL WASHER ◢	CRI (Ra) >90	IP 20 ◗	Track ⬱

A 48VDC low voltage track system is synonymous with electrical safety, permitting greater flexibility and ease of use including installation. The luminaire can be installed and moved to any position without the need for turning off the power to the track. This is due to its low voltage input of 48VDC. No tools are required, the luminaires simply snap-lock into position, remaining in place until you want to remove or re-position the luminaire.

The elegant and minimalist design permits a range of micro luminaires ranging from spots, pendants and linear sources with many features. The system features simple on/off operation with additional dimming options to suit a number of protocols such as DALI or Bluetooth dimming. The system is designed to suit applications from residential through to retail and commercial. The Lino-F4 is covered by a 5 year warranty.

- Luminaire wattage: 20W (System)
- Luminous flux: 1561Lm[2]
- Luminaire efficacy: 78.05Lm/W[1]
- Correlated colour temperature: 2700K, 3000K, 4000K
- Colour rendering index: >90[3]
- 3-Step-MacAdams Ellipse
- LED Brand: Osram SMD LED
- Optical distribution: 15°, 30°, 50° (Round); 34°x62°, 60°x36°, 19°x42°, 35°x48° (Oval); 26°x28° (Wallwasher)
- Width 22mm x Height 23mm x Length 486mm
- Luminaire finish: Black/ PMMA Optical Lens
- Ingress protection rating: IP20
- Working voltage: 48VDC constant voltage
- Flicker free DC-DC internal driver
- Longevity: >50,000Hrs L90 B10
- Requires 48VDC remote driver and Track-System
- Dimming: DALI-2, BLE (Casambi) on request[4]
- Weight: 350g
- Warranty: 5 year[5]

Luminaire Finish

■ Black (BK)

22mm
486mm
23mm

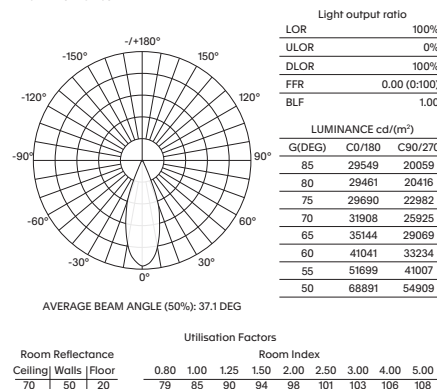| Model	LED Output[2]	Luminous Flux[2]	System Wattage	CCT	CRI[3]	Distribution
LINO-F4-20W-3K-15 (Round)	2050Lm	1639Lm	20W	3000K	>90	15°
LINO-F4-20W-3K-30 (Round)	2050Lm	1525Lm	20W	3000K	>90	30°
LINO-F4-20W-3K-50 (Round)	2050Lm	1561Lm	20W	3000K	>90	50°
LINO-F4-20W-3K (Oval)	2050Lm	1280Lm	20W	3000K	>90	34° x 62°
LINO-F4-20W-3K (Oval)	2050Lm	1354Lm	20W	3000K	>90	60° x 36°
LINO-F4-20W-3K (Oval)	2050Lm	1773Lm	20W	3000K	>90	19° x 42°
LINO-F4-20W-3K (Oval)	2050Lm	1487Lm	20W	3000K	>90	35° x 48°
LINO-F4-20W-3K (Wallwasher)	2050Lm	1654Lm	20W	3000K	>90	26° x 28°

For Non-dimming add suffix ND
For DALI-2 dimming add suffix D
For BLUETOOTH dimming add suffix BT

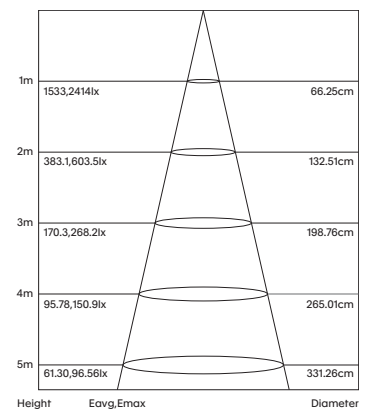Example product order code configuration: LINO-F4-20W-3K-60x36-D-(BK)

Model		Wattage		CCT		Distribution		Driver		Luminaire Finish
LINO-F4	+	20W	+	3K	+	60° x 36°	+	D	+	BK

Light Distribution

LINO-F4-20W-3K-30

-/+180°
150°   -150°
120°   -120°
90°   -90°
60°   -60°
30°   -30°
0°

AVERAGE BEAM ANGLE (50%): 37.1 DEG

Light output ratio	
LOR	100%
ULOR	0%
DLOR	100%
FFR	0.00 (0:100)
BLF	1.00

LUMINANCE cd/(m²)		
G(DEG)	C0/180	C90/270
85	29549	20059
80	29461	20416
75	29690	22982
70	31908	25925
65	35144	29069
60	41041	33234
55	51699	41007
50	68891	54909

Utilisation Factors

Room Reflectance			Room Index								
Ceiling	Walls	Floor	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
70	50	20	79	85	90	94	98	101	103	106	108

Cone Diagram

| Height	Eavg,Emax		Diameter
1m	1533,2414lx		66.25cm
2m	383.1,603.5lx		132.51cm
3m	170.3,268.2lx		198.76cm
4m	95.78,150.9lx		265.01cm
5m	61.30,96.56lx		331.26cm

1   Luminaire efficacy based on CCT 3000K; CCT variation will alter efficacy
2   +/- 10% stated initial LED and luminous flux tolerance
3   Colour Rendering Index: >90 Standard (Osram SMD Series)
4   Additional charges apply for non-standard colour/s and dimming options
5   Five year manufacturer's warranty covering product defects and performance deficiencies

co:lab
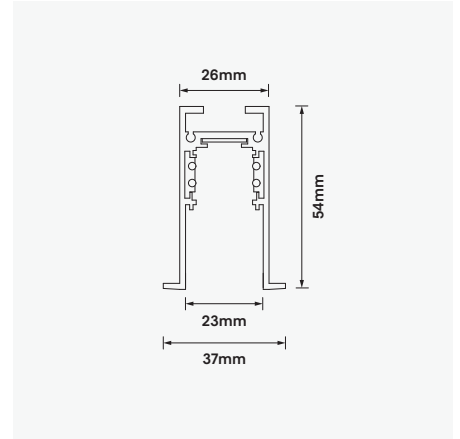
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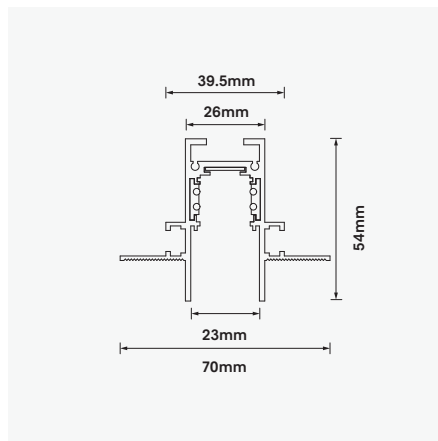
48VDC TRACK-SYSTEM track options

Surface / Suspended Track
Product No: TR-SM26
Colour: Black
Size: W26mm x H54mm
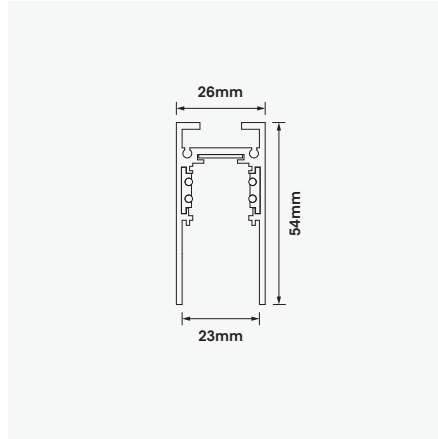
Recessed Track
Product No: TR-REC26
Colour: Black
Size: W37mm x H54mm

Recessed Trimless Track
Product No: TR-TL26
Colour: Black
Size: W70mm x H54mm

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2   +/- 10% stated initial LED and luminous flux tolerance
3   Colour Rendering Index: >90 Standard (Osram SMD Series)
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5   Five year manufacturer's warranty covering product defects and performance deficiencies