co:lab

Focus-2

2 x 5W Twin Round Adjustable 48VDC LED Track Luminaire

WATTAGE **2 x 5W**	355° 90°	3-Step	Bluetooth	DALI	CE		WARRANTY **5YR**
VOLTAGE **48VDC**	18° ~ 36° Adjustable	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 Focus-2 is covered by a 5 year warranty.

- Luminaire wattage: 2 x 5W (System)
- Luminous flux: 366Lm[2]
- Luminaire efficacy: 36.6Lm/W[1]
- Correlated colour temperature: 2700K, 3000K, 4000K
- Colour rendering index: >90[3]
- 3-Step-MacAdams Ellipse
- LED Brand: Citizen COB LED
- Optical distribution: 18°~36° Adjustable
- 2 x Ø35mm Trim x 75mm Length
- Luminaire finishes: Black, White/Black
- 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: 240g
- Warranty: 5 year[5]

Luminaire Finishes

- Black (BK)
- White/Black (WH/BK)

75mm
Ø35mm
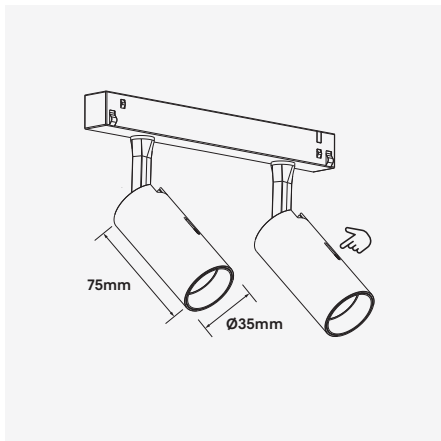
Adjustable Optical Distribution

18° — 36°

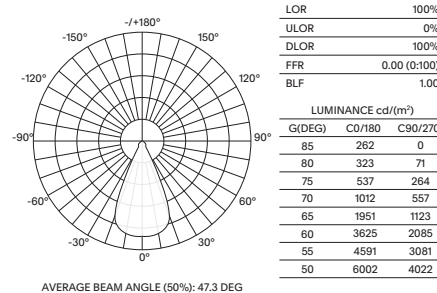| Model	LED Output[2]	Luminous Flux[2]	System Wattage	CCT	CRI[3]	Distribution
FOCUS-2-10W-3K	475.8Lm	366Lm	10W	3000K	>90	18° ~ 36° Adjustable

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

Example product order code configuration: FOCUS-2-10W-ADJ-3K-D-(WH/BK)

Model		Wattage		CCT		Distribution		Driver		Luminaire Finish
FOCUS-2	+	10W	+	3K	+	ADJ	+	D	+	WH/BK

Light Distribution

FOCUS-2-5W-3K-36

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	262	0
80	323	71
75	537	264
70	1012	557
65	1951	1123
60	3625	2085
55	4591	3081
50	6002	4022

AVERAGE BEAM ANGLE (50%): 47.3 DEG

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	86	91	96	99	102	104	106	109	110

Cone Diagram
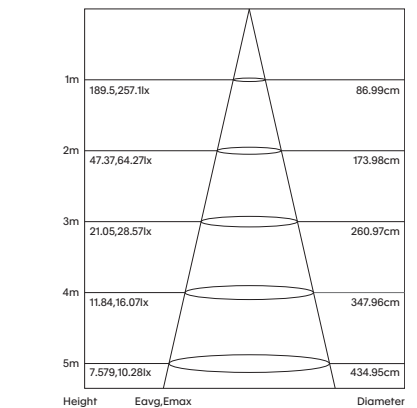
| Height	Eavg,Emax	Diameter
1m	189.5,257.1lx	86.99cm
2m	47.37,64.27lx	173.98cm
3m	21.05,28.57lx	260.97cm
4m	11.84,16.07lx	347.96cm
5m	7.579,10.28lx	434.95cm

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 (Citizen COB 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
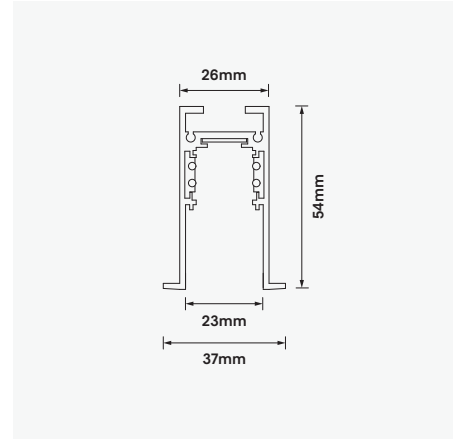
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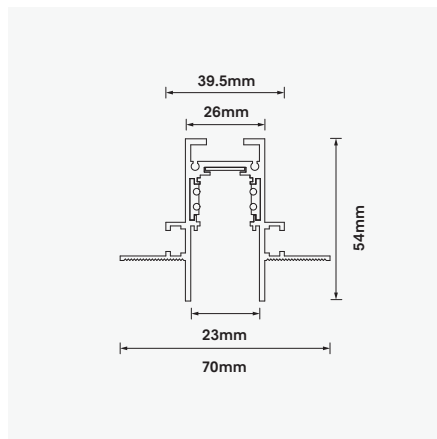**48VDC TRACK-SYSTEM track options**

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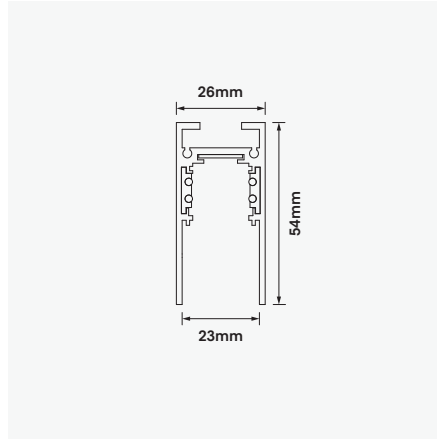
Recessed Track
Product No: TR-REC26
Colour: Black
Size: W37mm x H54mm

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

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