co:lab

Orb-48-TRW100

20W Single Round 48VDC Wall Washer LED Track Luminaire

WATTAGE **20W**	355° 90°	3-Step	Bluetooth	DALI	CE	WARRANTY **5YR**
VOLTAGE **48VDC**	CRI (Ra) **>90**	IP **20**	Track	WALL WASHER	

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 Orb-48-TRW100 is covered by a 5 year warranty.

- Luminaire wattage: 20W (System)
- Luminous flux: 1360Lm[2]
- Luminaire efficacy: 68Lm/W[1]
- Correlated colour temperature: 2700K, 3000K, 4000K
- Colour rendering index: >90[3]
- 3-Step-MacAdams Ellipse
- LED Brand: Bridgelux COB LED
- Optical distribution: Asymmetrical
- Ø102mm Trim x 37mm Width x 155mm Length
- Luminaire finishes: Black, White/Black, Bronze/Black
- Ingress protection rating: IP20
- Working voltage: 48VDC constant voltage
- Flicker free DC-DC internal driver
- Longevity: >50,000Hrs L80 B10
- Requires 48VDC remote driver and Track-System
- Dimming: DALI-2, BLE (Casambi) on request[4]
- Weight: 410g
- Warranty: 5 year[5]

Luminaire Finishes

- ■ Black (BK)
- ◻ White/Black (WH/BK)
- ■ Bronze/Black (BZ/BK)

16mm
155mm
37mm
Ø102mm
123mm

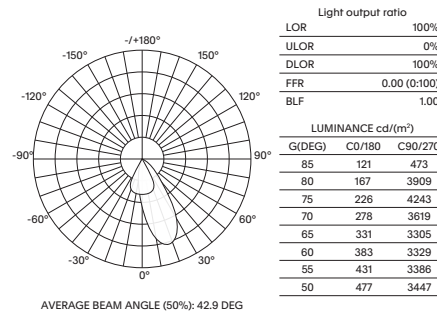| Model	LED Output[2]	Luminous Flux[2]	System Wattage	CCT	CRI[3]	Distribution
ORB-48-TRW100-20W-3K	2815Lm	1360Lm	20W	3000K	>90	Asymmetrical

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

Example product order code configuration: ORB-48-TRW100-20W-3K-ASY-ND-(BK)

Model		Wattage		CCT		Distribution		Driver		Luminaire Finish
ORB-48-TRW100	+	**20W**	+	**3K**	+	**ASY**	+	**ND**	+	**BK**

Light Distribution

ORB-48-TRW100-20W-3K-ASY

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	121	473
80	167	3909
75	226	4243
70	278	3619
65	331	3305
60	383	3329
55	431	3386
50	477	3447

AVERAGE BEAM ANGLE (50%): 42.9 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	66	74	80	85	91	95	98	102	105

Cone Diagram
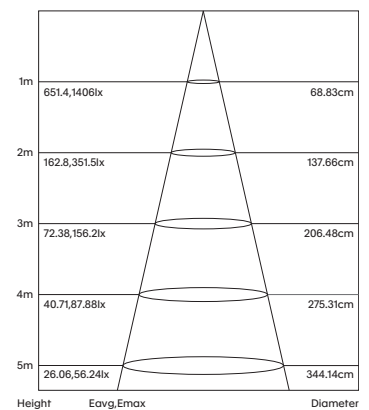
| Height	Eavg,Emax	Diameter
1m	651.4,1406lx	68.83cm
2m	162.8,351.5lx	137.66cm
3m	72.38,156.2lx	206.48cm
4m	40.71,87.88lx	275.31cm
5m	26.06,56.24lx	344.14cm

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 (Bridgelux COB Series)
4 Additional charges apply for non-standard colour/s and dimming options
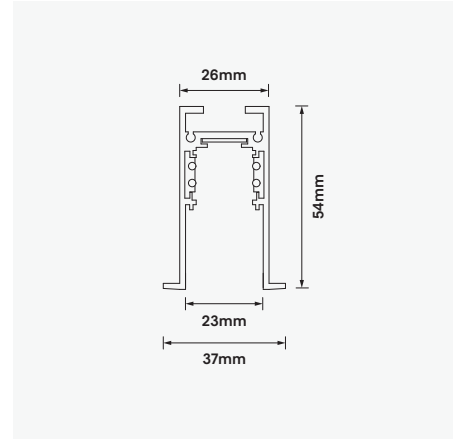5 Five year manufacturer's warranty covering product defects and performance deficiencies

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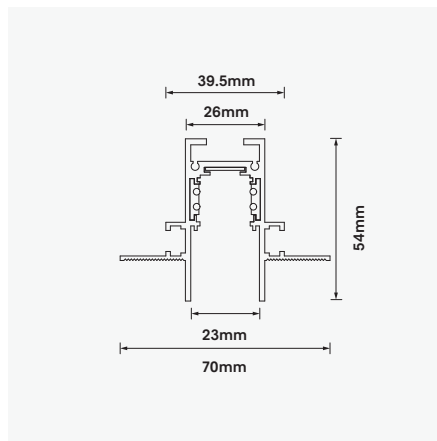**48VDC TRACK-SYSTEM track options**

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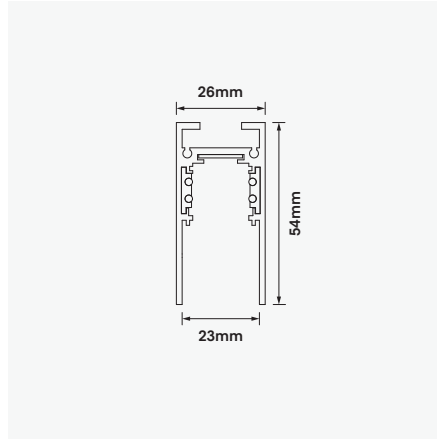
Recessed Track
Product No: TR-REC26
Colour: Black
Size: W37mm x H54mm

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

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