BLACK FOSTER MICRO 48V

JOKERLIGHT®

DIMENSIONS

0.91in (23mm)

6.54in (166mm)

3.74in (95mm)

0.98in (25mm)

48V SHORT
VISIBLE LIMIT

48V
VISIBLE LIMIT

ACCESORIES

TRACK 48V OPTIONS

PRODUCT

Name	BLACK FOSTER MICRO 48V 5 UL DIM 0/10V 3500K N
Reference	U4162013N
Color	Matt black
Category	TRACKLIGHTS

LIGHT SOURCE

Type	LED
Gross luminous flux	825 Lm
Color temperature	3500 K
Chromatic stability	MacAdam Step 3
Color Rendering Index	CRI>90
Power	7 W
Efficacy	114 Lm/W
LED lifespan	L90B10 >60.000h

LIGHTING FIXTURE | PHOTOMETRIC DATA

Lighting efficiency	87%
Delivered luminous flux	718 Lm

LIGHTING FIXTURE | ELECTRICAL DATA

Power values of the system	8,40 W
Dimming	0-10V

OTHER DATA

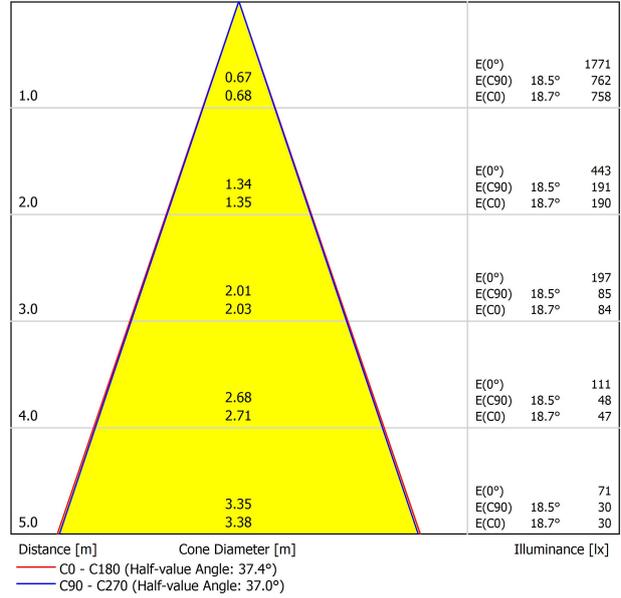|	
Environmental location	DAMP
Track type	Track 48V
Weight	0.19 lb	90 gr
Packaged weight	0.25 lb	113.2 gr
Packaging dimensions	8.66x1.89x1.93 in	220x48x49 mm
Materials	Aluminium / Acrylonitrile Butadiene Styrene

ETL
Intertek

Black Foster Micro for Track 48V, the most compact downlight with "The Invisible Black" effect. This linear luminaire has an excellent control of the light beam whose rays do not bathe the luminaire and are channelled directly to the exterior without touching the screen. Furthermore, its reduced design enables an absolutely perfect installation of the modules into systems.

27-02-26 / 08:12

5 Year WARRANTY*

POLAR DIAGRAM

cd/klm
η = 87%
— C0 - C180
— C90 - C270

CONICAL DIAGRAM

Distance [m]	Cone Diameter [m]		Illuminance [lx]		
1.0	0.67 / 0.68	E(0°)			1771
		E(C90)	18.5°		762
		E(C0)	18.7°		758
2.0	1.34 / 1.35	E(0°)			443
		E(C90)	18.5°		191
		E(C0)	18.7°		190
3.0	2.01 / 2.03	E(0°)			197
		E(C90)	18.5°		85
		E(C0)	18.7°		84
4.0	2.68 / 2.71	E(0°)			111
		E(C90)	18.5°		48
		E(C0)	18.7°		47
5.0	3.35 / 3.38	E(0°)			71
		E(C90)	18.5°		30
		E(C0)	18.7°		30

— C0 - C180 (Half-value Angle: 37.4°)
— C90 - C270 (Half-value Angle: 37.0°)
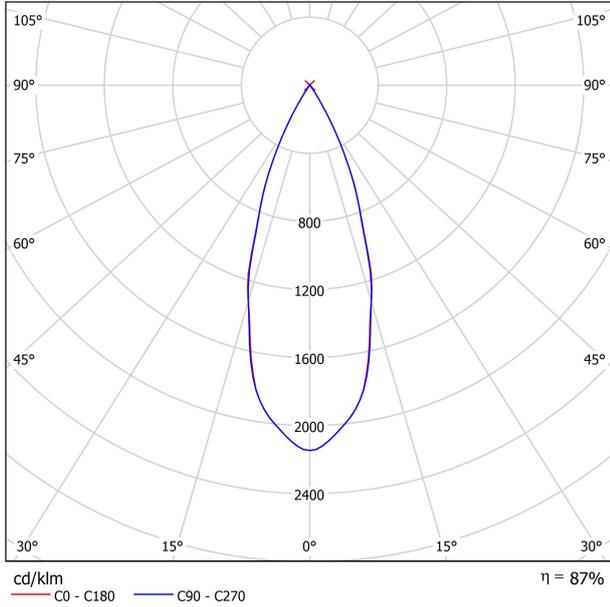
UGR

Glare Evaluation According to UGR

ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X	Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	11.8	12.4	12.0	12.6	12.8	11.8	12.5	12.1	12.7	12.9
	3H	11.9	12.4	12.1	12.7	12.9	11.9	12.5	12.2	12.7	13.0
	4H	12.1	12.6	12.4	12.9	13.1	12.1	12.7	12.4	12.9	13.2
	6H	12.5	13.0	12.8	13.2	13.5	12.5	13.0	12.8	13.2	13.6
	8H	12.8	13.3	13.2	13.6	13.9	12.9	13.3	13.2	13.6	13.9
	12H	13.4	13.8	13.7	14.1	14.4	13.4	13.9	13.7	14.2	14.5
4H	2H	11.6	12.2	11.9	12.4	12.7	11.7	12.2	12.0	12.5	12.8
	3H	11.9	12.3	12.2	12.6	12.9	11.9	12.4	12.3	12.7	13.0
	4H	12.2	12.6	12.6	13.0	13.3	12.3	12.6	12.6	13.0	13.3
	6H	12.9	13.2	13.3	13.6	13.9	13.0	13.3	13.4	13.6	14.0
	8H	13.5	13.7	13.9	14.1	14.5	13.5	13.8	13.9	14.1	14.5
	12H	14.3	14.5	14.7	14.9	15.4	14.3	14.5	14.7	14.9	15.4
8H	4H	12.4	12.7	12.8	13.1	13.5	12.4	12.7	12.8	13.1	13.5
	6H	13.3	13.5	13.8	13.9	14.4	13.4	13.6	13.8	14.0	14.4
	8H	14.1	14.3	14.6	14.7	15.2	14.1	14.3	14.6	14.7	15.2
	12H	15.2	15.4	15.7	15.8	16.3	15.2	15.4	15.7	15.8	16.3
12H	4H	12.4	12.7	12.9	13.1	13.5	12.5	12.7	12.9	13.1	13.5
	6H	13.5	13.6	13.9	14.1	14.5	13.5	13.7	14.0	14.1	14.6
	8H	14.4	14.5	14.8	15.0	15.5	14.4	14.5	14.9	15.0	15.5

Variation of the observer position for the luminaire distances S

S = 1.0H	+3.5 / -1.3	+3.6 / -1.3	
S = 1.5H	+6.0 / -1.6	+6.0 / -1.6	
S = 2.0H	+8.0 / -1.7	+8.0 / -1.9	
Standard table	---	---	
Correction Summand	---	---	

Corrected Glare Indices referring to 825lm Total Luminous Flux

JOKERLIGHT®

2.83in (74mm)

2.13in (54mm)

0.91in (23mm)

0.51in (13mm)
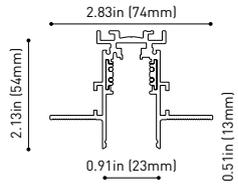
TRACK 48V TRIMLESS UL

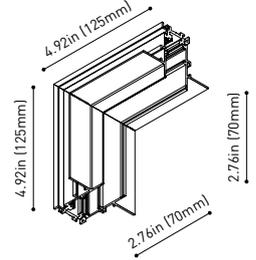| TRACK 48V TRIMLESS 3.28ft (1m) UL	U338-01-00-	N	WT
TRACK 48V TRIMLESS 6.56ft (2m) UL	U338-02-00-	N	WT
TRACK 48V TRIMLESS Corner 90º One Plane UL	U338-06-00-	N	WT
TRACK 48V TRIMLESS Corner 90º Two Planes UL	U338-07-00-	N	WT

PLASTEBOARD CEILING MANDATORY THICKNESS 0.50in (12.5mm)
RECOMMENDED FOR INSTALLATIONS WHERE THE PROFILE CAN BE INSTALLED
BEFORE THE FALSE PLASTERBOARD CEILING

TRACK 48V TRIMLESS
Corner 90º One Plane UL

4.92in (125mm)
1.97in (50mm)
4.92in (125mm)
1.97in (50mm)
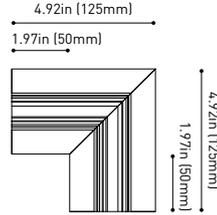
*Electrical connection not included

TRACK 48V TRIMLESS
Corner 90º Two Planes UL

4.92in (125mm)
4.92in (125mm)
2.76in (70mm)
2.76in (70mm)

*Electrical connection not included

TRIMLESS INSTALLATION GUIDE
https://youtu.be/SVWNEfbIfVY

2.13in (54mm)

0.91in (23mm)

1.02in (26mm)
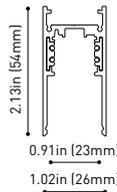
TRACK 48V SURFACE UL

TRACK 48V SURFACE 3.28ft (1m) UL	U338-11-00-	NT	WT
TRACK 48V SURFACE 6.56ft (2m) UL	U338-12-00-	NT	WT
TRACK 48V SURFACE Corner 90º One Plane UL	U338-14-00-	NT	WT

TRACK 48V SURFACE
Corner 90º One Plane UL

2.83 in (72 mm)
1.57 in (40 mm)
1.57 in (40 mm)
2.83 in (72 mm)

*Electrical connection not included

1.4in (29mm)

1.02in (26mm)
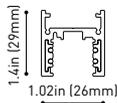
TRACK 48V SURFACE SHORT UL

TRACK 48V SURFACE SHORT 3.28ft (1m) UL	U338-21-00-	NT	WT
TRACK 48V SURFACE SHORT 6.56ft (2m) UL	U338-22-00-	NT	WT
TRACK 48V SURFACE SHORT Corner 90º One Plane UL	U338-24-00-	NT	WT

TRACK 48V SURFACE SHORT
Corner 90º One Plane UL

2.83 in (72 mm)
1.57 in (40 mm)
1.57 in (40 mm)
2.83 in (72 mm)

*Electrical connection not included

COLOUR | N ■ | NT ■ | WT □ |

2.95ft (900mm)

MAX. 52.9Lb (24Kg)
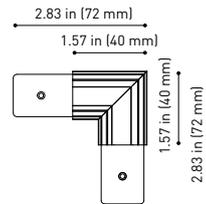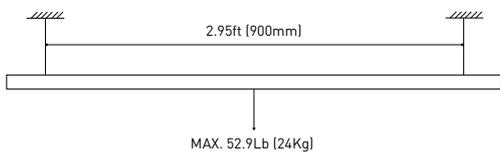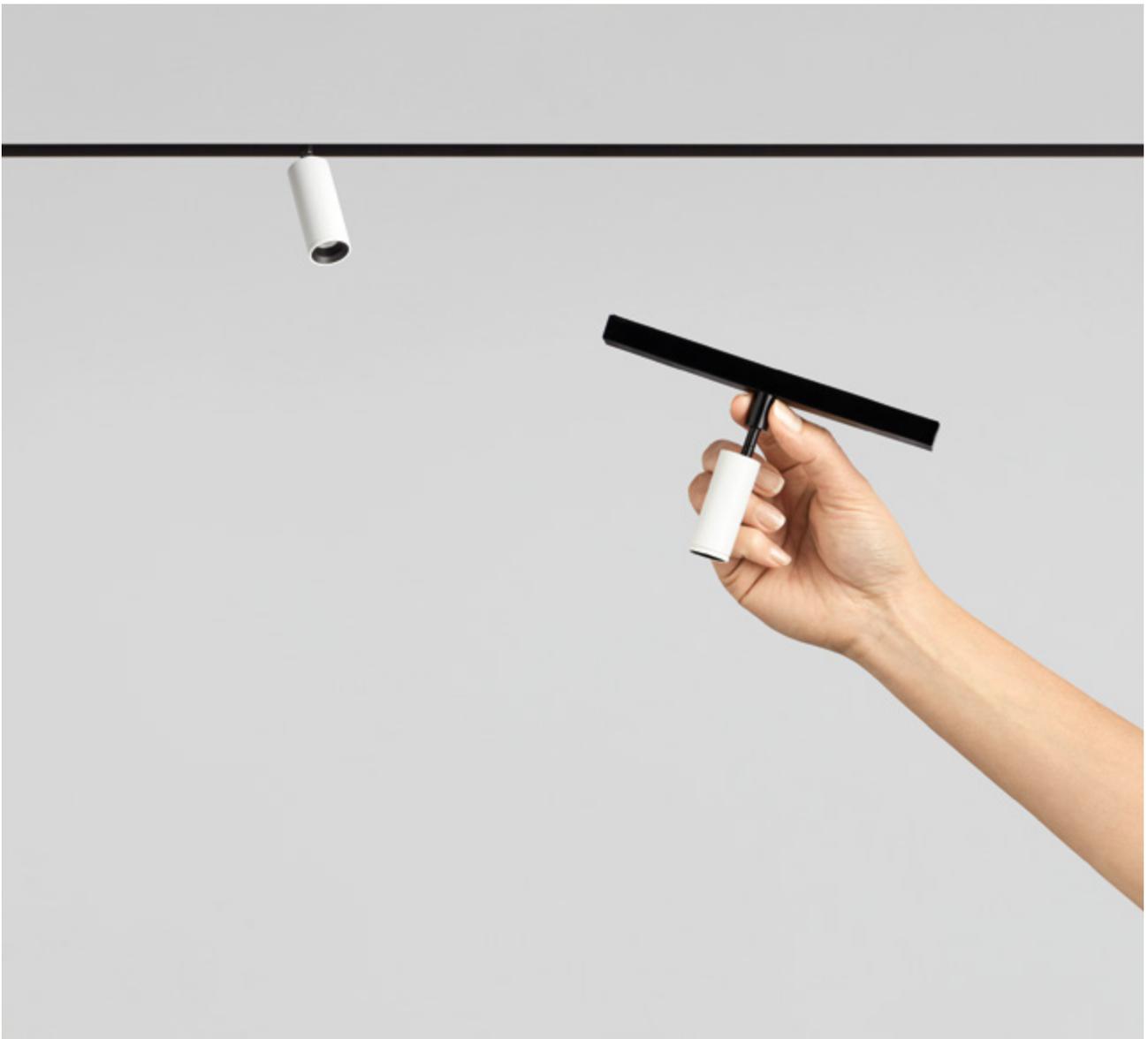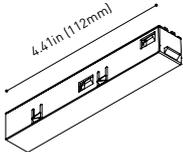
		P	V	D
CONSTANT VOLTAGE LED POWER SUPPLY	U100-00-78	96W	48V	8.16 x 2.97 x 1.30 in 207 x 75.4 x 33 mm

120 & 277 V | 50/60 Hz

UL DROP VOLTAGE TABLE		CABLE LENGHT			
		16.40ft 5m	32.80ft 10m	65.62ft 20m	98.43ft 30m
POWER	CABLE SECTION	TRACK LENGHT			
96W	AWG16	164ft 50m	164ft 50m	131.32ft 40m	82ft 25m

ALL 48V TRACK UL

4.41in (112mm)

Live-End Connector 48V UL
U338-00-01- | N | W |

4.13in (105mm)

Central Connector 48V UL
U338-00-02- | N | W |

4.41 in (112mm)

L-JOINT Connector 48V UL
U338-00-12- | N | W |

5.63in (143mm)

1.57in (40mm)
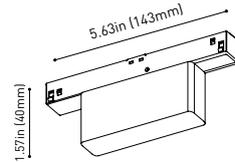
Wireless Control 48V UL
U434-01-31- | N | W |

Casambi/AAG Stucchi App

4.13in (105mm)

Corner 90° Connector One Plane 48V UL
U338-00-24- | N | W |

Not suitable for trimless version

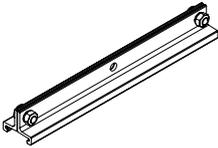**Cover Gap 3,28 ft (1m) 48V UL**
U338-00-30- | N |

TRIMLESS 48V UL
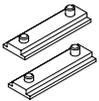
Trimless T-Bracket 48V UL
U338-00-03

Clamp for M6 ROD UL
U338-00-09

See accessories quantities

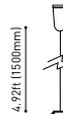**Trimless Long T-Bracket 48V UL**
U338-00-04

Track Clamp UL
U338-00-10

See accessories quantities

Trimless Straight Joiners 48V (2 units) UL
U338-00-05- | N | WT |

4.92ft (1500mm)

Suspension Kit UL
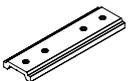U338-00-08

See accessories quantities

**Trimless Plaster Installation Guard
3.28ft (1m) 48V UL**
U338-00-21

* SUGGESTED MOUNTING ACCESSORIES QUANTITIES
3.28ft (1000mm)   -   2 Pcs.
6.56ft (2000mm)   -   3 Pcs.
9.84ft (3000mm)   -   4 Pcs.

SURFACE, SUSPENSION , SURFACE SHORT & SUSPENSION SHORT 48V UL

Surface Straight Joiner 48V UL
U338-00-11

COLOUR | N ■ | W □ | WT □ |

TRIMLESS, SURFACE & SUSPENSION 48V UL

End 48V UL

U338-00-06- | NT | WT |

End feed 48V UL

U338-00-07- | NT | WT |

SURFACE SHORT & SUSPENSION SHORT 48V UL

Short End 48V UL

U338-00-18- | NT | WT |

Short End feed 48V UL

U338-00-19- | NT | WT |

SUSPENSION & SUSPENSION SHORT 48V UL

MAX. 6.56ft (2000mm)

Suspension Kit 48V (2 units) UL

U338-00-15- | NT | WT |

MAX. 6.56ft (2000mm)

Suspension feed Kit 48V UL

U338-00-17- | N | W | �__▁▃▅ DIM

*For remote power supply

COLOUR | N ■ | NT ■ | W □ | WT □ |