BLACK FOSTER MICRO CUSTOM

JOKERLIGHT®

DIMENSIONS

6.54in (166mm)
3.7in (94mm)
0.71in (18mm)
1.3in (33mm)
0.87in (22mm)

ACCESORIES

BLACK FOSTER CUSTOM
ACCESSORIES

PRODUCT

Name	BLACK FOSTER MICRO CUSTOM MODULE 5 UL DIM 0/10V 3500K N
Reference	U4512013N
Color	Matt black
Category	CUSTOM SYSTEMS

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	118 Lm/W
LED lifespan	L90B10 >60.000h

LIGHTING FIXTURE | PHOTOMETRIC DATA

Lighting efficiency	87%
Delivered luminous flux	718 Lm
Light beam angle	37°

LIGHTING FIXTURE | ELECTRICAL DATA

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

OTHER DATA

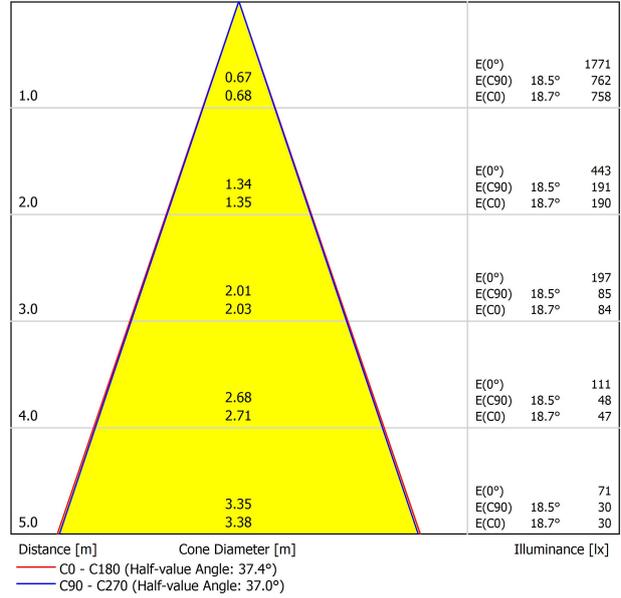|	
Environmental location	DAMP
Track type	Black Foster Micro Surface Track
Weight	0.22 lb	100 gr
Packaged weight	0.27 lb	125 gr
Packaging dimensions	8.66x1.89x1.93 in	220x48x49 mm
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

ETL
Intertek

Black Foster Micro is a feat of engineering which brings the acclaimed "The Invisible Black" effect to a hyper-reduced light. Its tiny size and thin trim offer a "trimless visual" aesthetic which combines with its almost imperceptible presence as a result of its compact dimensions. Black Foster Micro is designed for general or accent lighting and can be used in projects that seek ceiling lighting that plays a minimal role.

5Year WARRANTY*

JOKERLIGHT®

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°)
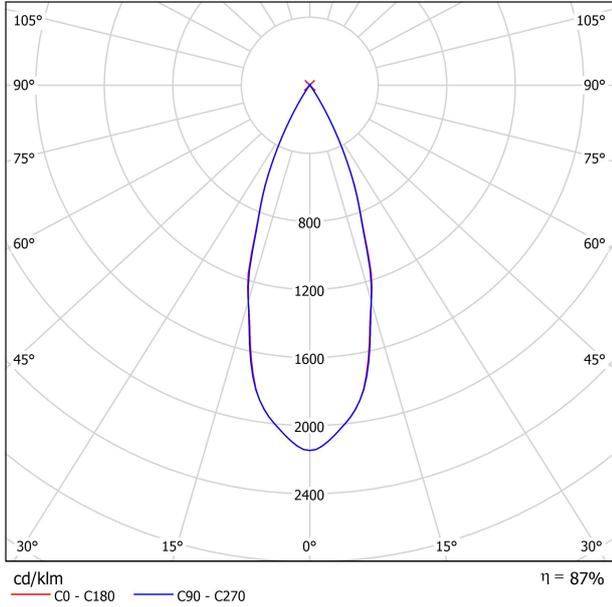
UGR

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

BLACK FOSTER MICRO CUSTOM UL

1.54in (39mm)

1.02in (26mm)
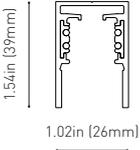
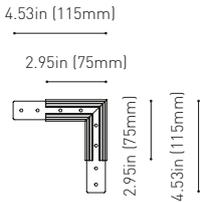|				
BLACK FOSTER MICRO CUSTOM SURFACE	3.28ft (1m) UL		U450-01-00-	NT	WT	
BLACK FOSTER MICRO CUSTOM SURFACE	6.56ft (2m) UL		U450-02-00-	NT	WT	

				L
BLACK FOSTER MICRO CUSTOM SURFACE	Gap 250 UL	U450-00-01-	N	9.84 in / 250 mm
BLACK FOSTER MICRO CUSTOM SURFACE	Gap 500 UL	U450-00-02-	N	16.69 in / 500 mm
BLACK FOSTER MICRO CUSTOM SURFACE	Gap 1000 UL	U450-00-03-	N	39.37 in / 1000 mm

L
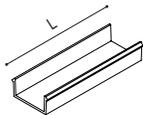
BLACK FOSTER MICRO CUSTOM SURFACE	L-Joint UL	U450-04-00-	NT	WT	
BLACK FOSTER MICRO CUSTOM SURFACE	T-Joint UL	U450-05-00-	NT	WT	
BLACK FOSTER MICRO CUSTOM SURFACE	X-Joint UL	U450-06-00-	NT	WT	

BLACK FOSTER MICRO CUSTOM SURFACE
L-Joint UL

4.53in (115mm)

2.95in (75mm)

2.95in (75mm)

4.53in (115mm)

Electrical connection not included

BLACK FOSTER MICRO CUSTOM SURFACE
T-Joint UL

7.87in (200mm)

4.72in (120mm)

2.95in (75mm)

4.53in (115mm)

Electrical connection not included

BLACK FOSTER MICRO CUSTOM SURFACE
X-Joint UL

7.87in (200mm)

4.72in (120mm)

4.72in (120mm)

7.87in (200mm)
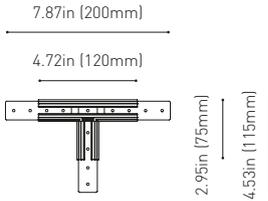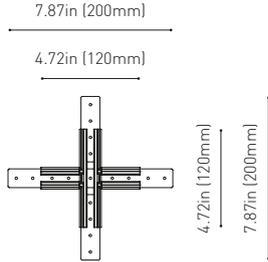
Electrical connection not included

		P	V	D
CONSTANT VOLTAGE LED POWER SUPPLY	U100-00-78	96 W	48 V	8.16 x 2.97 x 1.30 in 207 x 75.4 x 33 mm

120 & 277V | 50/60 Hz

CABLE LENGTH

REMOTE 48Vdc POWER SUPPLY

LIVE END

TRACK LENGTH

UL DROP VOLTAGE TABLE

		CABLE LENGTH			
		16.40ft 5m	32.80ft 10m	65.62ft 20m	98.43ft 30m
POWER	CABLE SECTION	TRACK LENGTH			
96 W	AWG16	164ft 50m	164ft 50m	131.32ft 40m	82ft 25m

L (ft)

REMOTE 48Vdc POWER SUPPLY

MAX 6.56ft (2000mm)

CABLE LENGTH = 8.2ft (2.5m) + L

LIVE END

TRACK LENGTH
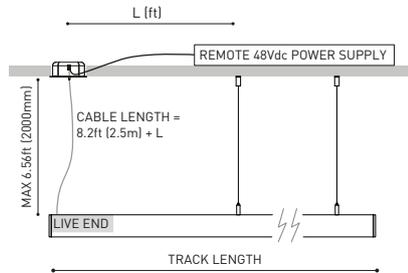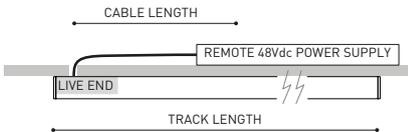
COLOUR | N ▣ | NT ▣ | WT ☐ |

BLACK FOSTER MICRO CUSTOM TRACK COMPONENTS

BLACK FOSTER MICRO CUSTOM SURFACE

End UL   U450-00-04- | N | W |
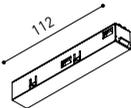
Cover thickness = 0.12in (3mm)

BLACK FOSTER MICRO CUSTOM SURFACE

End Feed UL   U450-00-05- | N | W |

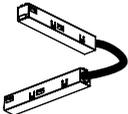Cover thickness = 0.12in (3mm)

BLACK FOSTER MICRO CUSTOM SURFACE

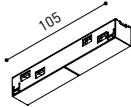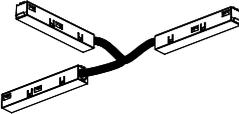Straight Joiner UL   U450-00-06

CONNECTION COMPONENTS
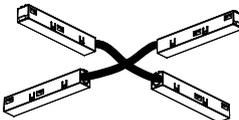
Live-End Connector 48V UL

U338-00-01- | N |

L-Joint Connector 48V UL

U338-00-12- | N |

Central Connector 48V UL

U338-00-02- | N |

T-Joint Connector 48V UL

U450-00-07- | N |

X-Joint Connector 48V UL

U450-00-08- | N |

SUSPENSION COMPONENTS

MAX. 6.56ft (2000mm)

Black Foster Suspension Kit (2 Units) UL

U450-00-09- | NT | WT |

Suggested Mounting accessories quantities
3.28ft (1000mm)   -   2 Pcs.
6.56ft (2000mm)   -   3 Pcs.

MAX. 6.56ft (2000mm)

Suspension Feed Kit 48V UL

U338-00-17- | N | W | DIM

*For remote power supply

COLOUR | N ■ | NT ■ | WT ☐ | W ☐ |