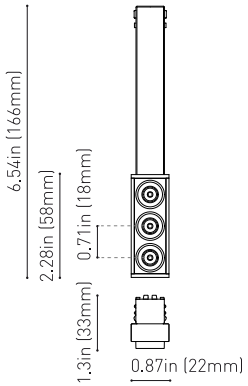
Black Foster Micro Custom

ARKOSLIGHT



Dimensions



Accessories



BLACK FOSTER CUSTOM ACCESSORIES

PRODUCT	
Name	BLACK FOSTER MICRO CUSTOM MODULE 3 UL DIM DALI 4000K N
Reference	U4511022N
Color	Matt black
RAL	Anodised, bath colour, looks alike RAL 9005
Category	CUSTOM SYSTEMS

LIGHT SOURCE	
Type	LED
Gross luminous flux	510 Lm
Color temperature	4000 K
Chromatic stability	MacAdam Step 3
Color Rendering Index	CRI>90
Power	4.2 W
Efficacy	121 Lm/W
LED lifespan	L90B10>60.000h

LIGHTING FIXTURE | PHOTOMETRIC DATA	
Lighting efficiency	87%
Delivered luminous flux	444 Lm
Light beam angle	37°

LIGHTING FIXTURE | ELECTRICAL DATA	
Power values of the system	5.3 W
Dimming	DALI

OTHER DATA	
Environmental location	DAMP
Track type	Black Foster Micro Surface Track
Weight	0.18 lb | 85 gr
Packaged weight	0.24 lb | 110 gr
Packaging dimensions	8.66 x 1.89 x 1.93 in | 220 x 48 x 49 mm
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

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.

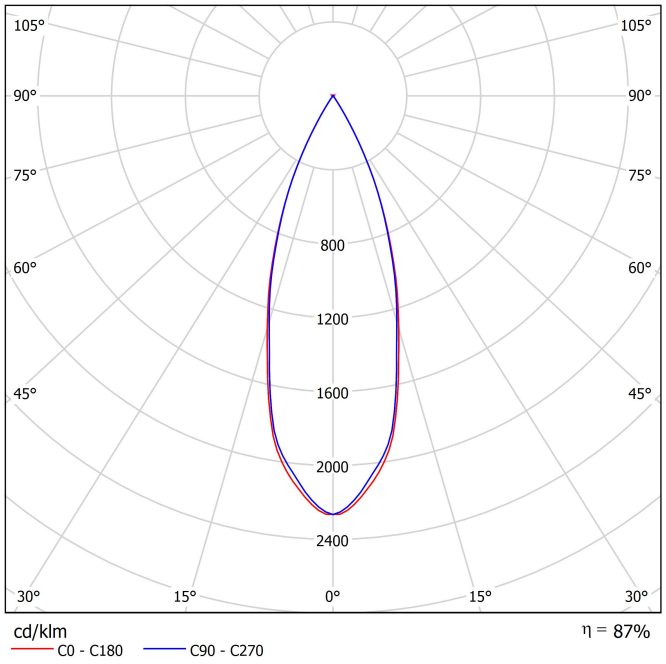
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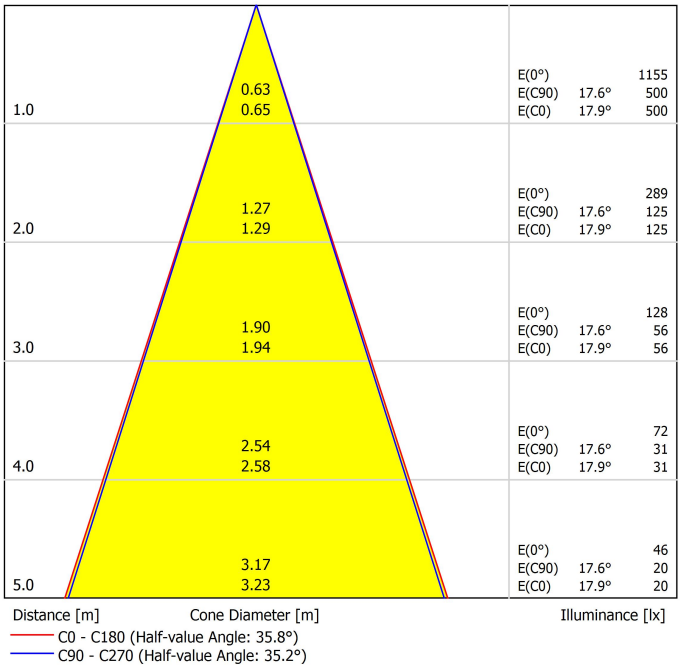
Lighting Technical Data

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Polar diagram



Conical diagram



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	-2.8	-2.1	-2.5	-1.9	-1.7	-3.5	-2.8	-3.2	-2.6	-2.4
	3H	0.3	0.9	0.6	1.1	1.4	-0.3	0.3	0.0	0.6	0.8
	4H	2.1	2.6	2.4	2.9	3.1	1.6	2.1	1.9	2.4	2.6
	6H	4.5	5.0	4.9	5.3	5.6	3.4	3.9	3.8	4.2	4.5
	8H	5.5	6.0	5.8	6.3	6.6	4.5	5.0	4.8	5.3	5.6
	12H	6.8	7.3	7.2	7.6	7.9	5.9	6.4	6.3	6.7	7.0
4H	2H	-2.2	-1.6	-1.9	-1.4	-1.1	-2.7	-2.2	-2.4	-1.9	-1.7
	3H	1.3	1.7	1.6	2.0	2.3	0.8	1.2	1.1	1.5	1.8
	4H	3.3	3.7	3.7	4.0	4.4	2.8	3.2	3.1	3.5	3.8
	6H	6.0	6.3	6.4	6.7	7.1	5.0	5.3	5.3	5.6	6.0
	8H	7.1	7.4	7.5	7.8	8.2	6.1	6.4	6.6	6.8	7.2
	12H	8.6	8.8	9.0	9.2	9.6	7.7	8.0	8.1	8.4	8.8
8H	4H	4.1	4.4	4.5	4.8	5.1	3.6	3.9	4.1	4.3	4.7
	6H	6.9	7.1	7.4	7.6	8.0	6.1	6.3	6.6	6.8	7.2
	8H	8.2	8.4	8.7	8.9	9.3	7.5	7.6	7.9	8.1	8.5
	12H	9.9	10.0	10.4	10.5	11.0	9.2	9.4	9.7	9.8	10.3
12H	4H	4.3	4.5	4.7	4.9	5.4	3.9	4.2	4.4	4.6	5.0
	6H	7.2	7.4	7.7	7.8	8.3	6.5	6.7	6.9	7.1	7.6
	8H	8.6	8.8	9.1	9.2	9.7	7.9	8.1	8.4	8.5	9.0

Variation of the observer position for the luminaire distances S

S = 1.0H	+4.7 / -2.2	+4.9 / -2.4
S = 1.5H	+7.4 / -2.5	+7.6 / -2.7
S = 2.0H	+9.4 / -2.8	+9.7 / -3.4
Standard table	---	---
Correction Summand	---	---

Corrected Glare Indices referring to 510lm Total Luminous Flux

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Black Foster Micro Custom components

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Black Foster Micro Custom System is a modular 48V lighting system designed to create tailored lighting setups by combining tracks, connectors, lighting modules, and accessories.
Ideal for architectural and retail projects that demand flexibility, minimalist design, and high performance.

To configure the Black Foster Micro Custom System, you'll need to combine the following components:

1. Tracks – Available in surface, or suspended versions (using suspension accessories with the surface track), they form the structural and electrical base of the system.

2. Connectors & Power Supply – Join track sections and provide 48V power input.

3. Accessories – Including end caps, joining elements, mounting accessories, and alternative installation parts to secure and finish the system.



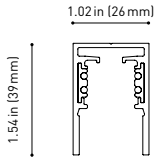
Track Options

Choose all the track components required for your project configuration.

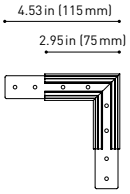
BLACK FOSTER Micro Custom Surface 3.28ft (1m) UL	U450-01-00- | NT | WT |
BLACK FOSTER Micro Custom Surface 6.56ft (2m) UL	U450-02-00- | NT | WT |

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 |

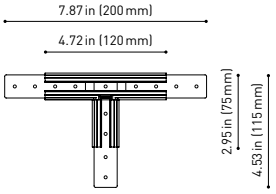
CUSTOM SURFACE PROFILE



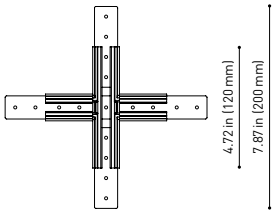
L-JOINT



L-JOINT



X-JOINT



Complementary track accessories

Use end caps, joiners, and gap covers to connect, close, and cleanly finish your track setup.

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



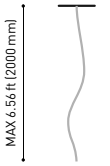
BLACK FOSTER Suspension Kit (2 Units) UL
U450-00-09- | NT | WT |

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

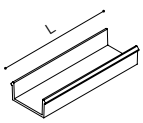


Suspension Feed Kit 48V UL
U338-00-17- | N | W | DIM

*For remote power supply



		L
BLACK FOSTER Micro Custom Cover Gap 250 UL	U450-00-01- | N |	9.48in / 250mm
BLACK FOSTER Micro Custom Cover Gap 500 UL	U450-00-02- | N |	16.69in / 500mm
BLACK FOSTER Micro Custom Cover Gap 1000 UL	U450-00-03- | N |	39.37in / 1000mm



COLOUR | NT ■ RAL 9005 | WT □ RAL 9016 | N ■ RAL 9005 |

Electrical connections are not included. Please choose the required components from the Connectors section.

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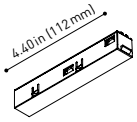
Black Foster Micro Custom components

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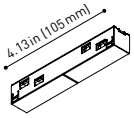
Connector options

Connectors are required to provide electrical continuity between tracks, ensuring an uninterrupted 48V flow.

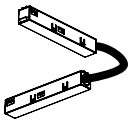
Live-End Connector 48V UL
U338-00-01- | **N** |



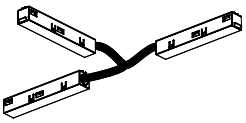
Central Connector 48V UL
U338-00-02- | **N** |



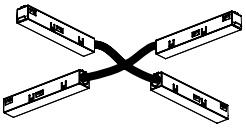
L-Joint Connector 48V UL
U338-00-12- | **N** |



T-Joint Connector 48V UL
U450-00-07- | **N** |



X-Joint Connector 48V UL
U450-00-08- | **N** |



Power Supply Options

Select the appropriate power feed to deliver 48V to the system based on your track layout and installation type.

		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

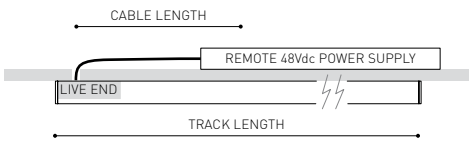
120 & 277V | 50/60 Hz

UL DROP VOLTAGE TABLE

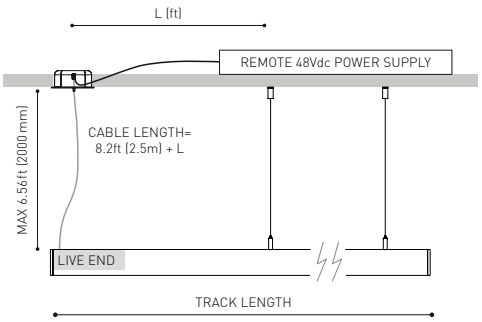
		CABLE LENGTH			
		16.40ft 5m	32.80ft 10m	65.62ft 20m	98.43ft 30m
POWER	**CABLE SECTION**	**TRACK LENGTH**			
96 W	AWG16	164ft 50m	164ft 50m	131.32ft 40m	82ft 25m

Connection diagrams:

Surface



Suspension



COLOUR | **N** ■ RAL 9005 | **W** □ RAL 9016 |

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