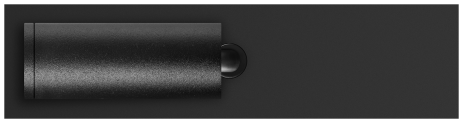
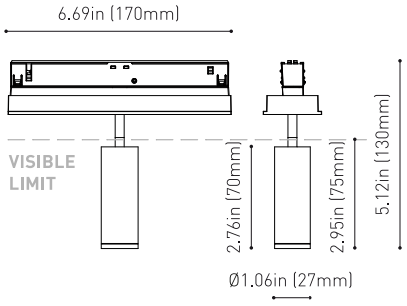
Black Foster Custom Module

ARKOSLIGHT



DIMENSIONS



ACCESORIES

BLACK FOSTER CUSTOM ACCESSORIES

PRODUCT	
Name	BLACK FOSTER CUSTOM MODULE FIT 27 UL MEDIUM DIM DALI 2700K NT
Reference	U4540220NT
Color	Textured black
Category	Custom Systems

LIGHT SOURCE	
Type	LED
Gross luminous flux	520 Lm
Color temperature	2700 K
Chromatic stability	MacAdam Step 2
Color Rendering Index	CRI>90
Power	5.5 W
Efficacy	94 Lm/W
LED lifespan	L90B10>108.000h

LIGHTING FIXTURE | PHOTOMETRIC DATA	
Lighting efficiency	82%
Delivered luminous flux	426 Lm
Light beam angle	31°

LIGHTING FIXTURE | ELECTRICAL DATA	
Power values of the system	7,00 W
Dimming	DALI

OTHER DATA	
Environmental location	DAMP
Swivel angle	90°
Rotation angle	355°
Track type	Black Foster Custom Surface Track
Weight	0.35 lb | 160 gr
Packaged weight	0.47 lb | 217 gr
Packaging dimensions	8.27 x 4.41 x 2.13 in | 210 x 112 x 54 mm
Materials	Aluminium / Polycarbonate

Intertek

Fit 27 is a projector for the Black Foster custom system. Cylindrical geometry and essential forms, it stands out for its minimalistic looking and its functionality as it can be orientated in any direction. The black perimeter around its mouth highlights its anti-glare vocation.

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Lighting Technical Data

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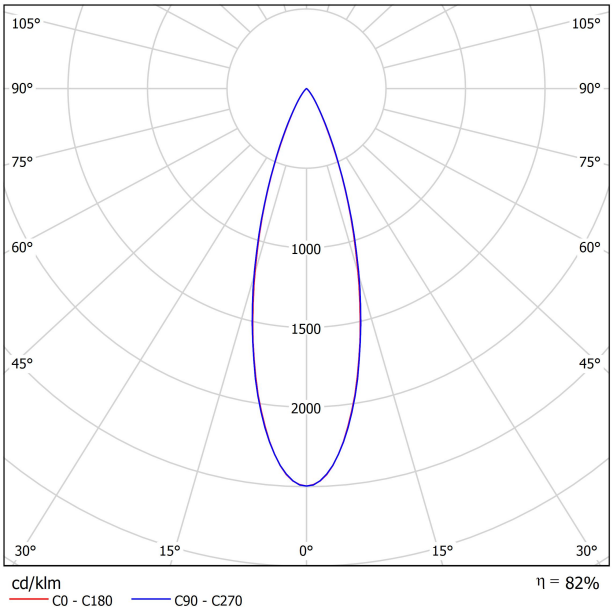
POLAR DIAGRAM



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	12.0	12.7	12.3	12.9	13.1	12.2	12.9	12.4	13.1	13.3
	3H	12.7	13.3	12.9	13.5	13.7	12.6	13.3	12.9	13.5	13.7
	4H	12.9	13.5	13.2	13.8	14.0	13.0	13.5	13.3	13.8	14.1
	6H	13.3	13.9	13.7	14.2	14.4	13.4	13.9	13.7	14.2	14.5
	8H	13.6	14.1	14.0	14.4	14.7	13.7	14.2	14.0	14.5	14.8
	12H	14.0	14.5	14.4	14.8	15.1	14.1	14.6	14.5	14.9	15.2
4H	2H	12.2	12.8	12.5	13.1	13.3	12.4	12.9	12.7	13.2	13.5
	3H	13.0	13.5	13.3	13.8	14.1	13.0	13.4	13.3	13.8	14.1
	4H	13.4	13.9	13.8	14.2	14.5	13.5	13.9	13.8	14.2	14.5
	6H	14.0	14.4	14.4	14.8	15.1	14.1	14.4	14.5	14.8	15.2
	8H	14.5	14.8	14.9	15.2	15.6	14.5	14.9	15.0	15.2	15.6
	12H	15.1	15.3	15.5	15.7	16.1	15.1	15.4	15.6	15.8	16.2
8H	4H	13.6	13.9	14.0	14.3	14.7	13.6	13.9	14.0	14.3	14.7
	6H	14.4	14.7	14.9	15.1	15.5	14.5	14.7	14.9	15.1	15.6
	8H	15.0	15.2	15.5	15.7	16.1	15.1	15.3	15.6	15.8	16.2
	12H	15.9	16.0	16.3	16.5	17.0	15.9	16.1	16.4	16.6	17.1
12H	4H	13.6	13.9	14.1	14.3	14.7	13.7	13.9	14.1	14.3	14.7
	6H	14.6	14.8	15.0	15.2	15.7	14.6	14.8	15.1	15.2	15.7
	8H	15.3	15.4	15.7	15.9	16.4	15.3	15.5	15.8	16.0	16.5
Variation of the observer position for the luminaire distances S											
S = 1.0H S = 1.5H S = 2.0H		+3.9 / -3.4 +6.5 / -4.0 +8.4 / -4.9					+3.9 / -3.3 +6.5 / -4.1 +8.4 / -5.0				
Standard table		BK01					BK01				
Correction Summand		2.5					2.6				
Corrected Glare Indices referring to 550lm Total Luminous Flux											

Black Foster Custom System components

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

1. Tracks – Available in surfac, 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.

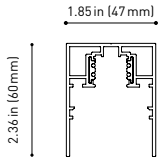
Track Options

Choose all the track components required for your project configuration.

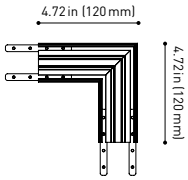
BLACK FOSTER Custom Surface 3.28ft (1m) UL	U452-01-00- | NT | WT |
BLACK FOSTER Custom Surface 6.56ft (2m) UL	U452-02-00- | NT | WT |

BLACK FOSTER Custom Surface L-Joint UL	U452-04-00- | NT | WT |
BLACK FOSTER Custom Surface T-Joint UL	U452-05-00- | NT | WT |
BLACK FOSTER Custom Surface X-Joint UL	U452-06-00- | NT | WT |

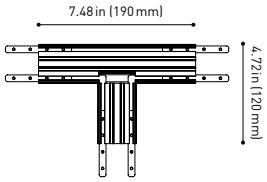
CUSTOM SURFACE PROFILE



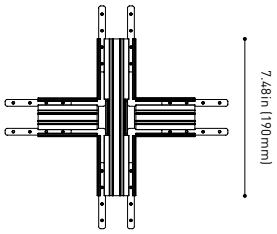
L-JOINT



T-JOINT



X-JOINT



Complementary track accessories

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

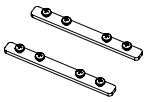
BLACK FOSTER Custom Surface	
End UL	U452-00-03- | N | W |

Cover thickness = 0.12in (3mm)

BLACK FOSTER Custom Surface	
End Feed UL	U452-00-04- | N | W |

Cover thickness = 0.12in (3mm)

BLACK FOSTER Custom Surface	
Straight Joiner UL	U452-00-05



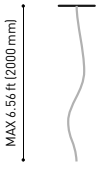
BLACK FOSTER Suspension Kit (2 Units) UL	
U450-00-09- | NT | WT |	

Suggested Mounting accessories quantities

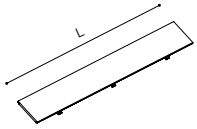
3.28ft (1000mm) - 2 Pcs.
6.56ft (2000mm) - 3 Pcs.

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

*For remote power supply



		L
BLACK FOSTER Custom Cover Gap 250 UL	U452-00-01- | N |	9.48in / 250mm
BLACK FOSTER Custom Cover Gap 500 UL	U452-00-02- | N |	16.69in / 500mm



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 Custom System components

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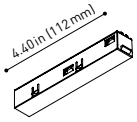
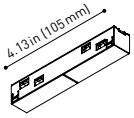
Connector options

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

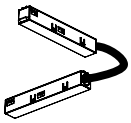
Live-End Connector 48V UL
U338-00-01- | **N** |



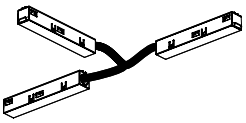
Central Connector 48V UL
U338-00-02- | **N** |



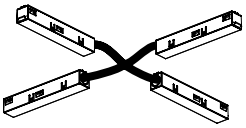
L-Joint Connector 48V UL
U338-00-12- | **N** |



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

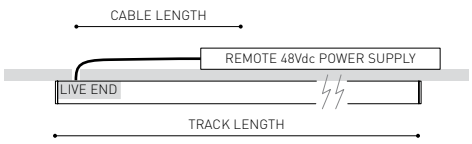
120 & 277V | 50/60 Hz

UL DROP VOLTAGE TABLE

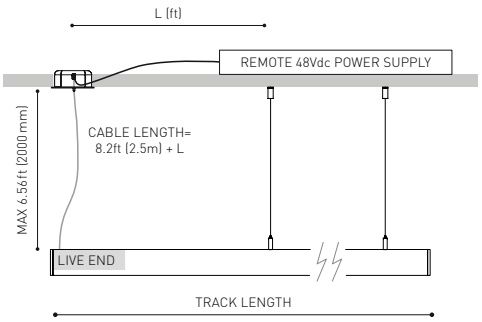
		CABLE LENGTH			
		16.40ft 5m	32.80ft 10m	65.62ft 20m	98.43ft 30m
POWER	**CABLE SECTION**	**TRACK LENGTH**			
96 W	AWG16	164ft 50m	164ft 50m	131.32ft 40m	82ft 25m

Connection diagrams:

Surface



Suspension



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

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