



## DIMENSIONS



## ACCESORIES



BLACK FOSTER CUSTOM  
ACCESSORIES

## PRODUCT

Reference U4533012N

Color Matt black

Category Custom Systems

## LIGHT SOURCE

Type LED

Gross luminous flux 750 Lm

Color temperature 4000 K

Chromatic stability MacAdam Step 3

Color Rendering Index CRI>90

Power 6.3 W

Current 700 mA

Efficacy 119 Lm/W

LED lifespan L90B10>102.000h

## LIGHTING FIXTURE | PHOTOMETRIC DATA

Lighting efficiency 92%

Delivered luminous flux 690 Lm

Light beam angle 38°

## LIGHTING FIXTURE | ELECTRICAL DATA

Included

Power values of the system 8,40 W

Dimming 0-10V

## OTHER DATA

DAMP

Track type Black Foster Custom Surface Track

Weight 0.24 lb | 110 gr

Packaged weight 0.39 lb | 177 gr

Packaging dimensions 9.72 x 4.41 x 1.89 in | 247 x 112 x 48 mm

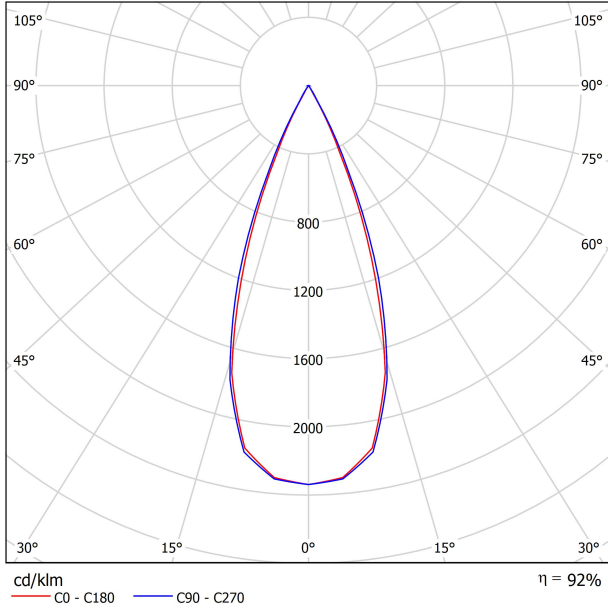
Materials Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate



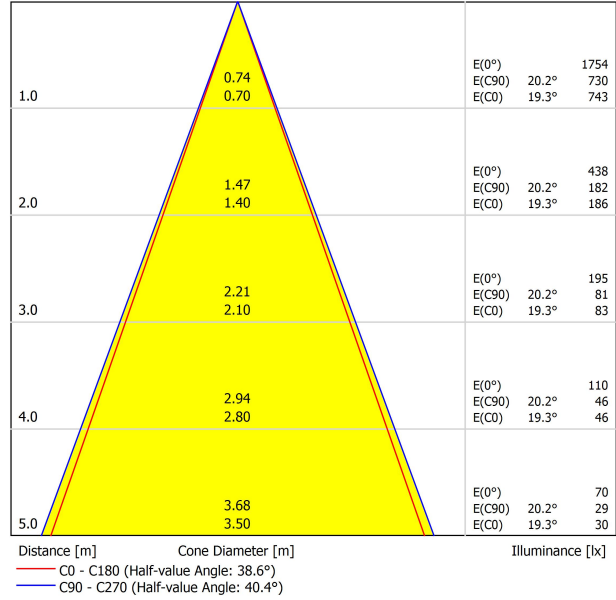
Environmental location	DAMP
Track type	Black Foster Custom Surface Track
Weight	0.24 lb   110 gr
Packaged weight	0.39 lb   177 gr
Packaging dimensions	9.72 x 4.41 x 1.89 in   247 x 112 x 48 mm
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

Black Foster is the lighting fixture that transfers the applauded "Invisible Black" effect to a linear system. Black Foster is composed of a series of combinable modules enabling the alternation of segments with light emission and without light emission. However, whether it is ON or OFF, this luminaire always keeps the aesthetics of a perfect dark line. To the observer, it is impossible to distinguish between Black Foster parts that emit light from those that don't. Black Foster's modularity provides a wide range of different combinations, allowing to set up the light emission location as many times as needed, and adapting itself to the requirements of each project in particular.

## POLAR DIAGRAM



## CONICAL DIAGRAM



## UGR

Glare Evaluation According to UGR											
Room Size		70	70	50	50	30	70	70	50	50	30
X Y		50	30	50	30	30	50	30	50	30	30
Viewing direction at right angles to lamp axis		Viewing direction parallel to lamp axis									
2H	2H	-10.7	-10.1	-10.5	-9.9	-9.7	-10.8	-10.2	-10.6	-10.0	-9.8
	3H	-5.8	-5.2	-5.5	-5.0	-4.7	-4.9	-4.3	-4.6	-4.0	-3.8
	4H	-2.8	-2.2	-2.5	-2.0	-1.7	-1.5	-1.0	-1.2	-0.7	-0.5
	6H	0.7	1.2	1.0	1.4	1.7	2.1	2.6	2.4	2.9	3.1
	8H	2.4	2.9	2.8	3.2	3.5	3.9	4.4	4.2	4.7	5.0
4H	2H	-9.1	-8.5	-8.8	-8.3	-8.0	-9.1	-8.6	-8.8	-8.3	-8.1
	3H	-4.0	-3.5	-3.7	-3.2	-2.9	-3.3	-2.8	-2.9	-2.5	-2.2
	4H	-1.0	-0.6	-0.6	-0.2	0.1	0.1	0.5	0.4	0.8	1.1
	6H	2.5	2.8	2.9	3.2	3.6	3.8	4.1	4.2	4.4	4.8
	8H	4.4	4.6	4.8	5.0	5.4	5.7	6.0	6.1	6.3	6.7
8H	2H	6.4	6.6	6.8	7.0	7.4	7.7	8.0	8.1	8.4	8.8
	4H	0.3	0.6	0.7	1.0	1.4	1.0	1.3	1.4	1.7	2.1
	6H	3.9	4.1	4.4	4.6	5.0	4.9	5.1	5.3	5.5	6.0
	8H	5.9	6.1	6.4	6.5	7.0	7.0	7.1	7.4	7.6	8.1
	12H	8.1	8.2	8.5	8.7	9.2	9.2	9.4	9.7	9.8	10.3
12H	4H	0.8	1.1	1.3	1.5	1.9	1.4	1.6	1.8	2.0	2.5
	6H	4.5	4.6	4.9	5.1	5.6	5.3	5.5	5.8	5.9	6.4
	8H	6.5	6.7	7.0	7.1	7.6	7.4	7.6	7.9	8.1	8.5
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.7 / -0.3					+1.3 / -0.4				
S = 1.5H		+1.4 / -0.5					+2.7 / -0.7				
S = 2.0H		+2.4 / -0.8					+4.2 / -1.0				
Standard table Correction Summand		---					---				
Corrected Glare Indices referring to 750lm Total Luminous Flux											

# Black Foster Custom System components

# ARKOSLIGHT

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.

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

<b>BLACK FOSTER</b> Custom Surface L-Joint UL	U452-04-00-   NT   WT
<b>BLACK FOSTER</b> Custom Surface T-Joint UL	U452-05-00-   NT   WT
<b>BLACK FOSTER</b> 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.

<b>BLACK FOSTER</b> Custom Surface	
End UL	U452-00-03-   N   W

Cover thickness = 0.12in (3mm)



<b>BLACK FOSTER</b> Custom Surface	
End Feed UL	U452-00-04-   N   W

Cover thickness = 0.12in (3mm)



<b>BLACK FOSTER</b> Custom Surface	
Straight Joiner UL	U452-00-05



<b>BLACK FOSTER</b> Suspension Kit (2 Units) UL	
U450-00-09-   NT   WT	

Suggested Mounting accessories quantities

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



<b>Suspension Feed Kit 48V UL</b>	
U338-00-17-   N   W	DIM

\*For remote power supply



<b>BLACK FOSTER</b> Custom Cover Gap 250 UL	U452-00-01-   N	9.48in / 250mm
<b>BLACK FOSTER</b> 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.



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

## Connection diagrams:

### Surface



### Suspension



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