Black Foster Micro Custom Surface

ARKOSLIGHT

PRODUCT

Name	BLACK FOSTER MICRO CUSTOM MODULE 10 2700K N
Reference	A4515010N
Color	Matt black
RAL	9005
Category	CUSTOM SYSTEMS

LIGHT SOURCE

Type	LED
Gross luminous flux	1550 lm
Colour temperature	2700 K
Chromatic stability	MacAdam Step 3
Colour Rendering Index	CRI>90
Power	14 W
Current	500 mA
Efficacy	111 lm/W
LED lifespan	L90B10 >60.000h

LIGHTING FIXTURE | PHOTOMETRIC DATA

Lighting efficiency	87%
Light beam angle	37°

LIGHTING FIXTURE | ELECTRICAL DATA

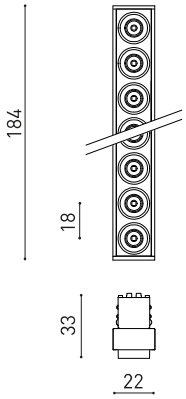
Driver	Included
Power values of the system	15,56 W
Voltage	48Vdc
Dimming	No Dim
Electrical insulation class	

OTHER DATA

Sealing	IP20
Wireless control	Please Consult
Track type	Black Foster Micro Surface Track
Weight	95 g
Packaged weight	130 g
Packaging dimensions	220 x 48 x 49 mm
Units per package	1
Materials	Aluminium / Acrylonitrile Butadiene Styrene / Polycarbonate

CE

DIMENSIONS



ACCESSORIES

CUSTOM & MOUNTING ACCESSORIES

AWARDS

INTERIOR DESIGN AWARDS FX INTERNATIONAL
SHORTLIST 2022

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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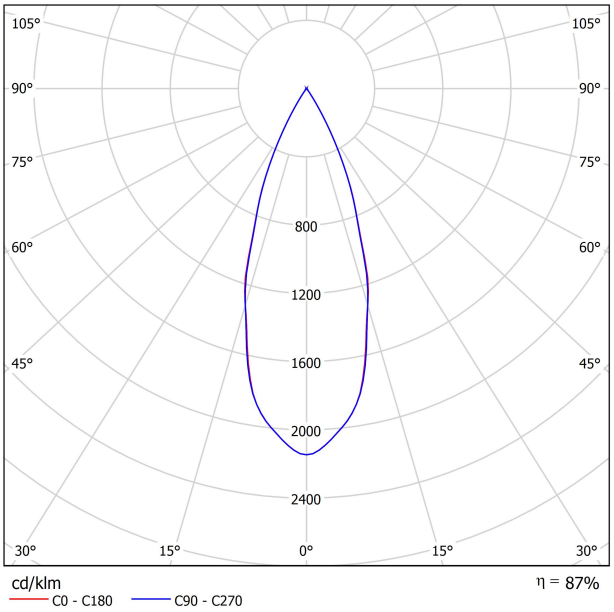
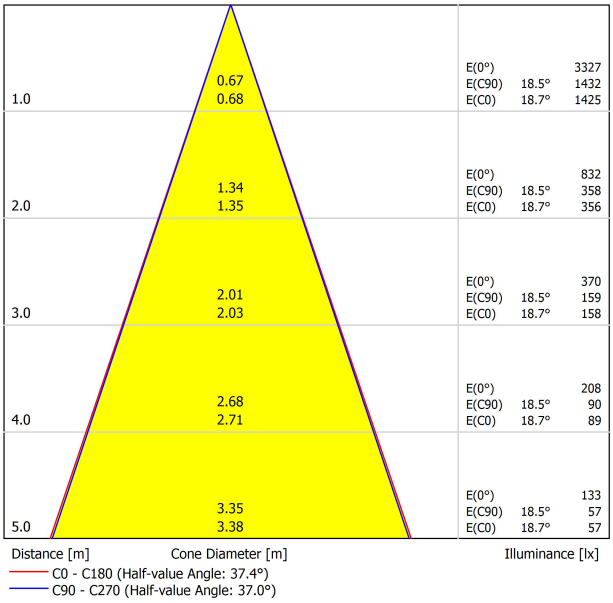
POLAR DIAGRAM



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	0.9	1.5	1.1	1.7	1.9	0.5	1.2	0.8	1.4	1.6
	3H	4.2	4.8	4.5	5.0	5.2	3.9	4.5	4.2	4.7	5.0
	4H	6.0	6.6	6.3	6.8	7.1	5.8	6.3	6.1	6.6	6.8
	6H	7.9	8.4	8.2	8.7	9.0	7.9	8.4	8.2	8.7	9.0
	8H	9.2	9.6	9.5	9.9	10.2	9.0	9.5	9.4	9.8	10.1
	12H	10.5	11.0	10.9	11.3	11.6	10.4	10.9	10.8	11.2	11.5
4H	2H	1.8	2.4	2.1	2.6	2.9	1.6	2.2	1.9	2.4	2.7
	3H	5.3	5.8	5.7	6.1	6.4	5.2	5.7	5.6	6.0	6.3
	4H	7.4	7.8	7.7	8.1	8.4	7.2	7.6	7.5	7.9	8.2
	6H	9.5	9.8	9.9	10.2	10.6	9.5	9.8	9.9	10.2	10.6
	8H	10.8	11.1	11.3	11.5	11.9	10.8	11.0	11.2	11.4	11.8
	12H	12.4	12.6	12.8	13.0	13.4	12.3	12.5	12.7	12.9	13.4
8H	4H	8.2	8.5	8.6	8.8	9.2	8.0	8.3	8.4	8.7	9.1
	6H	10.6	10.8	11.1	11.2	11.7	10.6	10.8	11.1	11.2	11.7
	8H	12.1	12.3	12.6	12.7	13.2	12.0	12.2	12.5	12.7	13.1
	12H	13.8	14.0	14.3	14.5	14.9	13.8	13.9	14.3	14.4	14.9
12H	4H	8.4	8.7	8.8	9.1	9.5	8.3	8.5	8.7	8.9	9.3
	6H	10.9	11.1	11.4	11.6	12.0	10.9	11.1	11.4	11.6	12.0
	8H	12.6	12.7	13.0	13.2	13.7	12.5	12.6	13.0	13.1	13.6

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 1550lm Total Luminous Flux

BLACK FOSTER MICRO CUSTOM COMPONENTS

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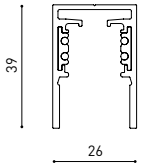
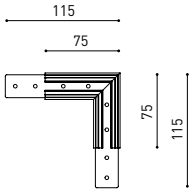
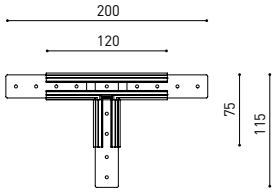


BLACK FOSTER MICRO CUSTOM SURFACE L-JOINT



Electrical connection not included

BLACK FOSTER MICRO CUSTOM SURFACE T-JOINT



Electrical connection not included

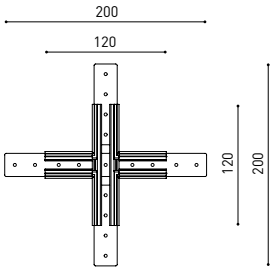
BLACK FOSTER **Micro Custom Surface 1m**	**A450-01-00-** | **NT** | **WT** |	
BLACK FOSTER **Micro Custom Surface 2m**	**A450-02-00-** | **NT** | **WT** |	
BLACK FOSTER **Micro Custom Surface 3m**	**A450-03-00-** | **NT** | **WT** |	

III

BLACK FOSTER **Micro Custom Surface L-Joint**	**A450-04-00-** | **NT** | **WT** |	
BLACK FOSTER **Micro Custom Surface T-Joint**	**A450-05-00-** | **NT** | **WT** |	
BLACK FOSTER **Micro Custom Surface X-Joint**	**A450-06-00-** | **NT** | **WT** |	

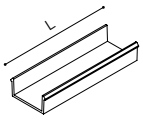
III

BLACK FOSTER MICRO CUSTOM SURFACE X-JOINT



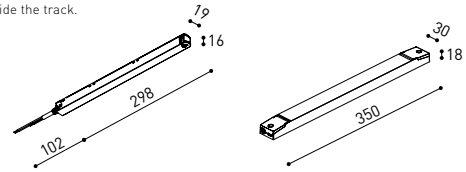
Electrical connection not included

		L
BLACK FOSTER **Micro Custom Cover Gap 250**	**A450-00-01-** | **N** |	250mm
BLACK FOSTER **Micro Custom Cover Gap 500**	**A450-00-02-** | **N** |	500mm
BLACK FOSTER **Micro Custom Cover Gap 1000**	**A450-00-03-** | **N** |	1000mm



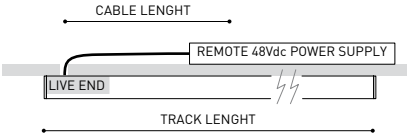
		P	V	D (A x B x C)
Constant Voltage LED POWER SUPPLY	**0434-01-61*** | **N** |	100W	48V	298 x 16 x 19mm
	0434-01-62	150W	48V	350 x 30 x 18mm

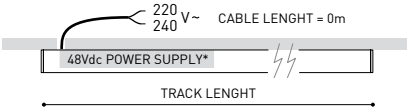
220 240 V~ | *To be installed inside the track.

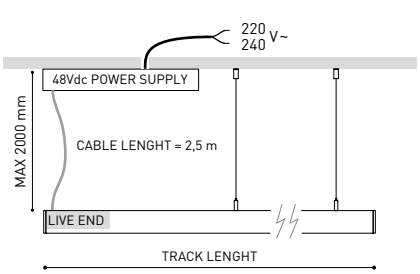


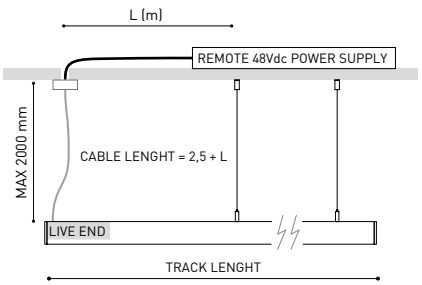
DROP VOLTAGE TABLE

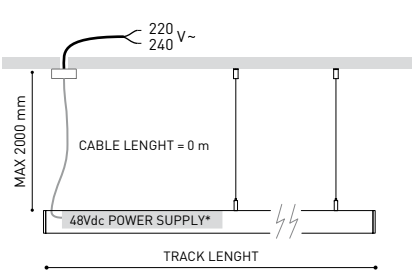
POWER (W)	CABLE SECTION (mm²)	CABLE LENGHT (m) 5	10	20	30
		TRACK LENGHT (m)			
100	0,75	50	50	X	X
	1,5	50	50	40	25
150	0,75	40	15	X	X
	1,5	50	40	20	X











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

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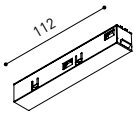
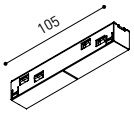
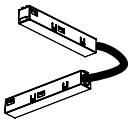
Live-End Connector 48V
A338-00-01- | N |



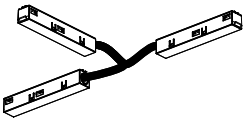
Central Connector 48V
A338-00-02- | N |



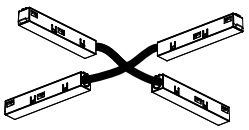
L-Joint Connector 48V
A338-00-12- | N |



T-Joint Connector 48V
A450-00-07- | N |



X-Joint Connector 48V
A450-00-08- | N |



BLACK FOSTER Micro Custom Surface
End A450-00-04- | N | W |

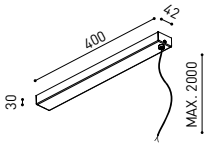
BLACK FOSTER Micro Custom Surface
End Feed A450-00-05- | N | W |

BLACK FOSTER Micro Custom Surface
Straight Joiner A450-00-06

SUSPENSION COMPONENTS

Wired Power Supply Case 48V
A338-00-25- | NT | WT | 150W NO DIM
A338-00-26- | NT | WT | 150W DIM

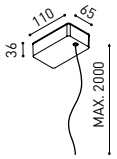
220 240 V~ INCL



Black Foster Suspension Kit (2 units)
A450-00-09- | NT | WT |

Suggested mounting accessories quantities:
1000mm - 2 Pcs.
2000mm - 2 Pcs.
3000mm - 3 Pcs.

Suspension Feed Kit 48V
A338-00-16- | N | W | NO DIM
A338-00-17- | N | W | DIM
For remote power supply



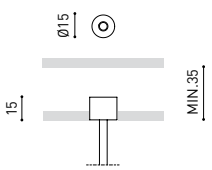
A338-00-27- | N | W | NO DIM
A338-00-28- | N | W | DIM
For power supply inside the track

WIRE TRIMLESS ACCESSORIES

FEED

Mains Trimless*
A023-00-01- | W | N | NO DIM

Mains Thick Trimless*
A023-00-02- | W | N | DIM



FASTENING

Steel Cable Trimless*
A023-00-05- | W | N |

* As many pieces as needed ACCORDING to your product

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

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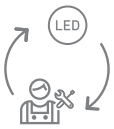
ARKOSLIGHT®



Fuente de luz (LED) reemplazable por un profesional autorizado

Replaceable (LED only) light source by an authorized professional.

Source lumineuse (LED) remplaçable par un professionnel agréé

Sorgente luminosa (LED) sostituibile da parte di un professionista autorizzato

Austauschbare (LED) Lichtquelle durch einen autorisierten Fachmann

Equipo de control reemplazable por un profesional autorizado

Replaceable control gear by an authorized professional

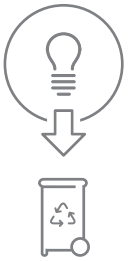
Dispositif de commande remplaçable par un professionnel agréé

Alimentatore sostituibile da parte di un professionista autorizzato

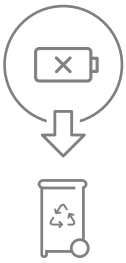
Auswechselbares Betriebsgerät durch autorisierten Fachmann

INSTRUCCIONES PARA EL FINAL DE VIDA Y LA ELIMINACIÓN LOS COMPONENTES
INSTRUCTIONS ON END-OF-LIFE AND COMPONENT DISPOSAL
INSTRUCTIONS POUR LA GESTION DES COMPOSANTS EN FIN DE VIE ET LEUR MISE AU REBUT
ISTRUZIONI PER IL FINE VITA E LO SMALTIMENTO DEI COMPONENTI
ANWEISUNGEN ZUR ENTSORGUNG DER LEUCHTENKOMPONENTEN

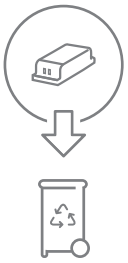
Interrumpir la alimentación del aparato
Cut the power supply to the luminaire
Couper l'alimentation du luminaire
Interrompere l'alimentazione dell'apparecchio
Stromversorgung der Leuchte unterbrechen



Quitar la(s) fuente(s) de luz para el desecho
Remove light source(s) for disposal
Retirer la (les) source(s) lumineuse(s) pour l'élimination
Rimuovere la/le sorgente/e di luce per lo smaltimento
Lichtquelle(n) zur Entsorgung entfernen

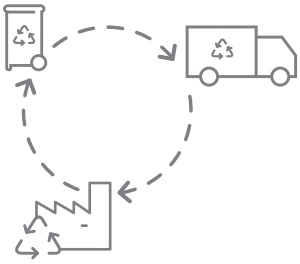


Quitar la batería para el desecho
Remove the battery for decommissioning
Retirer la batterie pour sa mise au rebut
Rimuovere la batteria per la dismissione
Die Batterie ordnungsgemäß entsorgen



Quitar el equipo de control para el desecho
Remove control gear for disposal
Retirer le dispositif de commande pour l'élimination
Rimuovere l'alimentatore per lo smaltimento
Betriebsgerät zur Entsorgung ausbauen

Enviar los materiales a un centro de recogida RAEE
Send the materials to a WEEE collection centre
Envoyer les matériaux dans une déchetterie DEEE
Inviare i materiali ad un centro di raccolta RAEE
Die Materialien in einem WEEE-Zentrum entsorgen



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