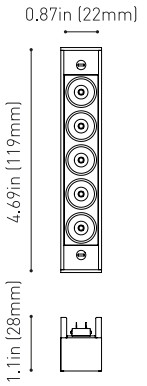
Black Foster Micro 24V

ARKOSLIGHT



Dimensions



Accessories

MINIMAL TRACK OPTIONS

PRODUCT	
Name	BLACK FOSTER MICRO 24V 5 UL 2700K N
Reference	U4152010N
Color	Matt black
RAL	Anodised, bath colour, looks alike RAL 9005
Category	TRACK LIGHTS

LIGHT SOURCE	
Type	LED
Gross luminous flux	775 Lm
Color temperature	2700 K
Chromatic stability	MacAdam Step 3
Color Rendering Index	CRI>90
Power	7 W
Efficacy	111 Lm/W
LED lifespan	L90B10>60.000h

LIGHTING FIXTURE | PHOTOMETRIC DATA	
Lighting efficiency	87%
Delivered luminous flux	674 Lm
Light beam angle	37°

LIGHTING FIXTURE | ELECTRICAL DATA	
Power values of the system	7.6 W
Dimming	Dim options

OTHER DATA	
Environmental location	DRY
Track type	Minimal Track
Weight	0.18 lb | 80 gr
Packaged weight	0.20 lb | 91.1 gr
Packaging dimensions	5.28x1.46x1.38 in | 134x37x35 mm
Materials	Aluminium / Acrylonitrile Butadiene Styrene

Awards

reddot winner 2020 innovative product

reddot winner 2020 lighting design

Bronze Delta ADI Awards 2020

HONORABLE MENTION EUROPEAN PRODUCT DESIGN AWARD

FX INTERNATIONAL INTERIOR DESIGN AWARDS WINNER 2020

archiproducts DESIGN AWARDS WINNER 2020

Black Foster Micro 24V for Minimal Track, the most compact downlight with "The Invisible Black" effect. This linear luminaire has an excellent control of the light beam whose rays do not bathe the luminaire and are channelled directly to the exterior without touching the screen. Furthermore, its reduced design enables an absolutely perfect installation of the modules into systems.

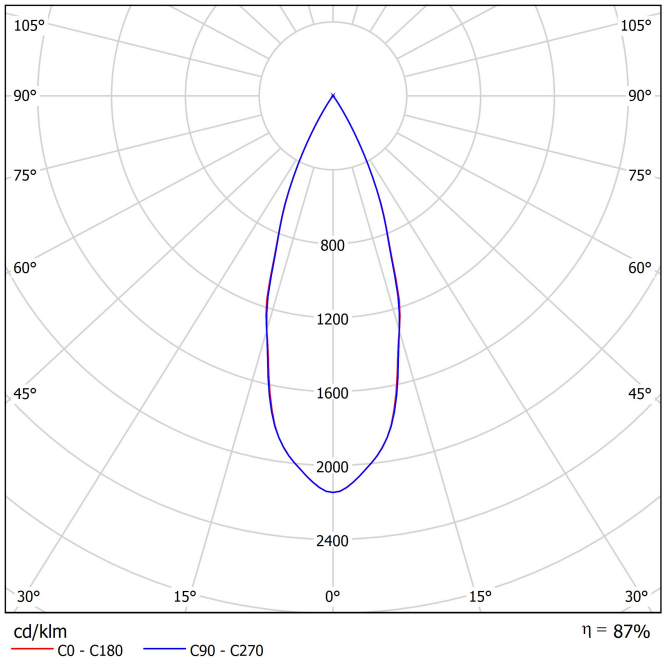
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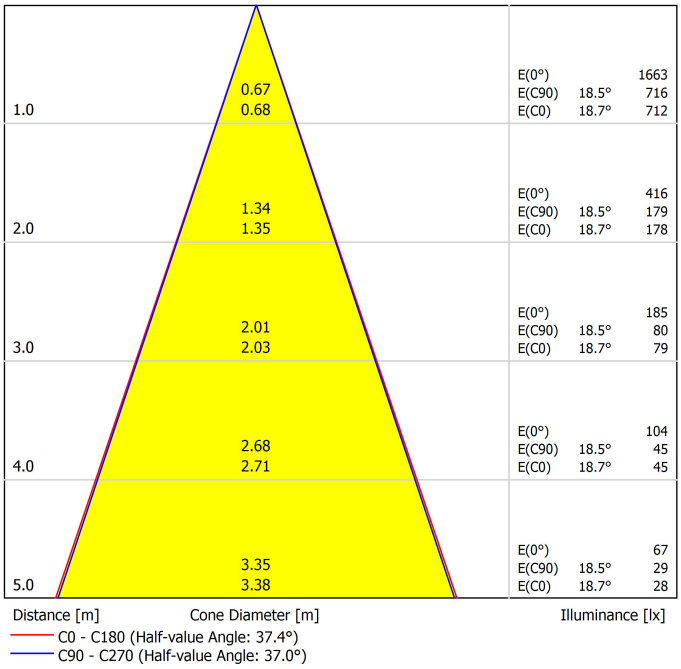
Lighting Technical Data

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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	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 775lm Total Luminous Flux

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Minimal Track

ARKOSLIGHT

Minimal Track is a 24V low-voltage lighting system designed to create minimalist and highly configurable installations. On this page, you'll find the necessary components to configure your surface-mounted system.



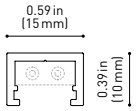
Track & accessories - Surface mounting

Configure the shape of your track, add end caps and the required accessories, and finish the setup with the conductive strip (rubber cable).

MINIMAL TRACK 24V

Profile 2m UL

U384-02-00- | N | WT |

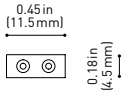


Rubber Cable n x 1m UL

U384-00-01- | N |

n = Total Lenght of System
1m = 39.37in

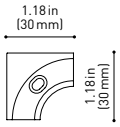
24 V | Max. 4A



Corner 90º 1 Plane UL

U384-00-02- | N | WT |

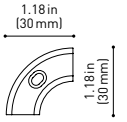
Cable Lenght = 1.38in (35mm)



Corner 90º 1 Plane Rounded UL

U384-00-03- | N | WT |

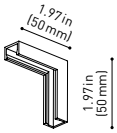
Cable Lenght = 1.38in (35mm)



Corner 90º 2 Planes UL

U384-00-04- | N | WT |

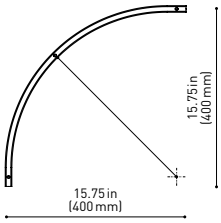
Cable Lenght = 3.94in (100mm)



Curve 350 1 Plane UL

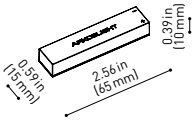
U384-00-09- | N | WT |

Cable Lenght = 25.59in (650mm)



Connection Box UL

U384-00-06- | N | WT |

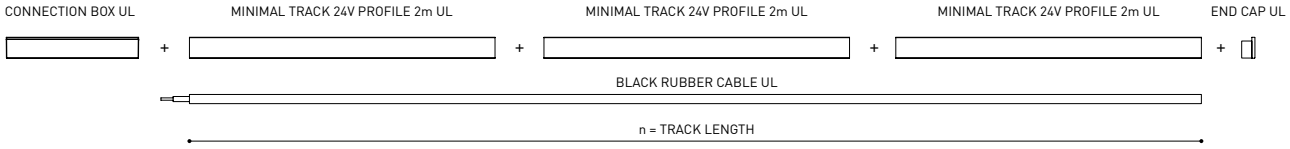


End Cap UL

U384-00-05- | N | WT |



Mounting scheme:



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

INSTALLATION GUIDE
https://youtu.be/KnedJbKp7oo

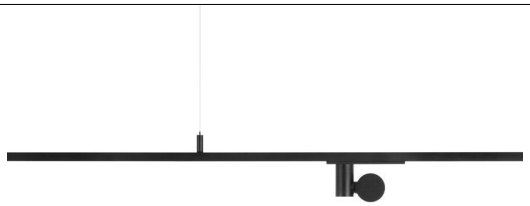
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Minimal Track

ARKOSLIGHT

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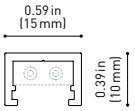
Track & accessories - Suspension mounting

Configure the shape of your track, add end caps and the required accessories, and finish the setup with the conductive strip (rubber cable).

MINIMAL TRACK 24V Suspension UL

Profile 2m UL

U384-02-00- | N | WT |

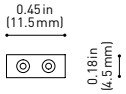


Rubber Cable n x 1m UL

U400-00-01- | N |

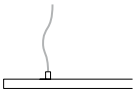
n = Total Lenght of System
1m = 39.37in

24 V | Max. 4A



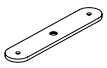
Profile 2m Initial feed kit UL

U400-02-10- | N | WT |



Suspension Straight Joiner UL

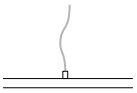
U400-00-02- | N | WT |



Profile 2m Middle feed kit UL*

U400-02-20- | N | WT |

* Unidirectional Middle Feed
2m = 78.74in



Suspension Kit UL

U400-02-04- | N | WT |

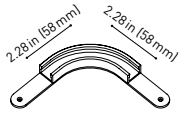
Max distance between suspension kits = 100 cm.



Suspension Corner 90º UL

U400-00-03- | N | WT |

Cable Lenght = 3.35in (85mm)



Suspension End Caps UL

U400-00-05- | N | WT |

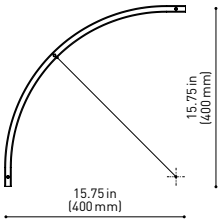
Two End Caps Included



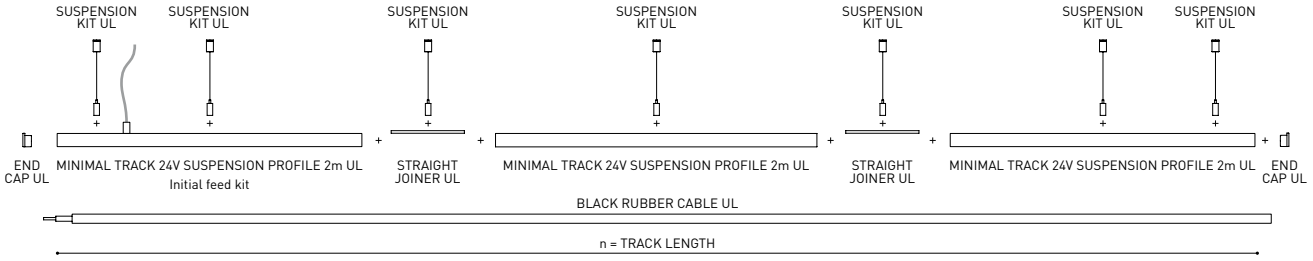
Curve 350 1 Plane UL

U384-00-09- | N | WT |

Cable Lenght = 25.59in (650mm)



Mounting scheme:



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

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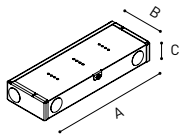
5 Year GUARANTEE

Power Supply

Select your power supply, include a dimmer if needed, and explore the connection diagrams provided.

		P	V	D (A x B x C)
MINIMAL TRACK 24V **Remote Power Supply UL**	**U384-00-07**	100W	24V	8.16 x 2.97 x 1.30 in 207.2 x 75.4 x 33 mm

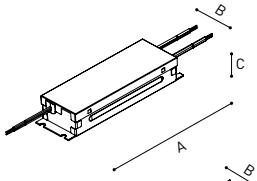
120 & 277 V | 50/60 Hz | NO DIM

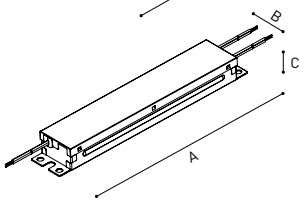


		P	V	D (A x B x C)
MINIMAL TRACK 24V **Dimmable Power Supply UL***	**U010-00-01**	60W	24V	5.83 x 1.68 x 1 in 148.2 x 42.6 x 25.4 mm
	U010-00-02	100W	24V	9.5 x 1.57 x 1 in 241.3 x 39.9 x 25.4 mm

120 & 277 V | 50/60 Hz | 0-10 V

*Power Supply requires an enclosure for instalation. Enclosure not provided

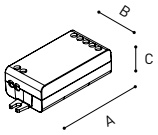




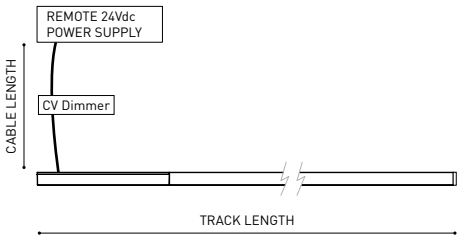
		P	V	D (A x B x C)
MINIMAL TRACK 24V **Constant Voltage Dimmer**	**U010-00-00**	144W	24V	2.86 x 1.18 x 0.71 in 72.6 x 30 x 18 mm

24 V | CASAMBI

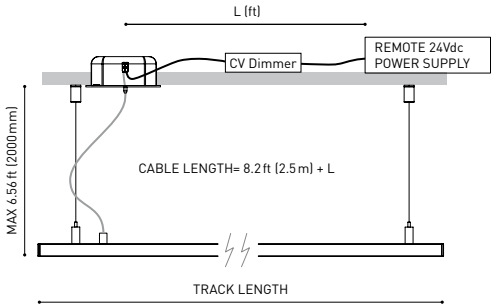
Phase Cut and DMX DIM Options please consult



Connection diagrams:



Surface system



Suspension system

UL DROP VOLTAGE TABLE

		CABLE LENGTH			
		<16.40 ft <5 m	<32.80 ft <10 m	<65.62 ft <20 m	<98.43 ft <30 m
POWER	**CABLE SECTION**	**TRACK LENGTH**			
60 W	AWG18	98.43 ft 30 m	98.43 ft 30 m	65.62 ft 20 m	32.80 ft 10 m
	AWG16	98.43 ft 30 m	98.43 ft 30 m	98.43 ft 30 m	65.62 ft 20 m
96 W	AWG18	65.62 ft 20 m	32.80 ft 10 m	X	X
	AWG16	65.62 ft 20 m	65.62 ft 20 m	32.80 ft 10 m	X

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