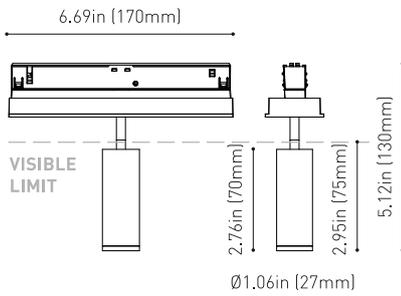




## DIMENSIONS



## ACCESORIES



BLACK FOSTER CUSTOM  
ACCESSORIES

## PRODUCT

Name

BLACK FOSTER CUSTOM MODULE FIT 27 UL MEDIUM DIM 0/10V  
2700K WT

Reference

U4540120WT

Color

Textured white

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

0-10V

## 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

8.27x4.41x2.13 in | 210x112x54 mm

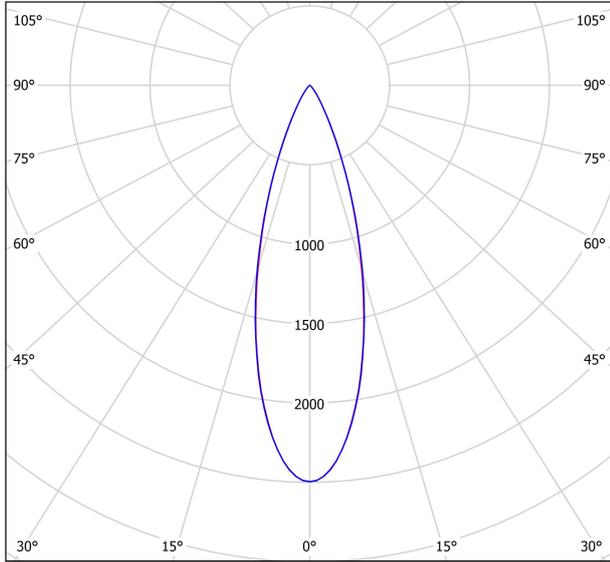
Materials

Aluminium / Polycarbonate



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.

POLAR DIAGRAM



cd/klm  
 — C0 - C180 — C90 - C270

$\eta = 82\%$

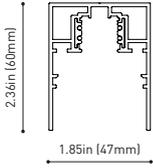
CONICAL DIAGRAM



UGR

Glare Evaluation According to UGR											
$\rho$ Ceiling	70	70	50	50	30	70	70	50	50	30	
$\rho$ Walls	50	30	50	30	30	50	30	50	30	30	
$\rho$ 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
4H	12H	14.0	14.5	14.4	14.8	15.1	14.1	14.6	14.5	14.9	15.2
	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	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
	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	12H	15.9	16.0	16.3	16.5	17.0	15.9	16.1	16.4	16.6	17.1
	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	+3.9 / -3.4					+3.9 / -3.3					
S = 1.5H	+6.5 / -4.0					+6.5 / -4.1					
S = 2.0H	+8.4 / -4.9					+8.4 / -5.0					
Standard table	BK01					BK01					
Correction Summand	2.5					2.6					
Corrected Glare Indices referring to 550lm Total Luminous Flux											

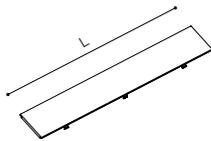
BLACK FOSTER CUSTOM UL



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

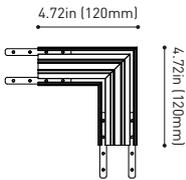
L

BLACK FOSTER CUSTOM COVER	Gap 250 UL	U452-00-01-	N	9.84 in / 250 mm
BLACK FOSTER CUSTOM COVER	Gap 500 UL	U452-00-02-	N	16.69 in / 500 mm



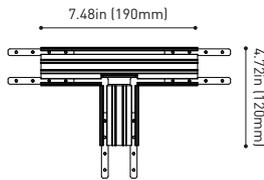
BLACK FOSTER CUSTOM SURFACE	L-Joint UL	U452-04-00-	NT	WT
BLACK FOSTER CUSTOM SURFACE	T-Joint UL	U452-05-00-	NT	WT
BLACK FOSTER CUSTOM SURFACE	X-Joint UL	U452-06-00-	NT	WT

BLACK FOSTER CUSTOM SURFACE  
L-Joint UL



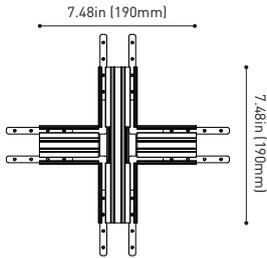
Electrical connection not included

BLACK FOSTER CUSTOM SURFACE  
T-Joint UL



Electrical connection not included

BLACK FOSTER CUSTOM SURFACE  
X-Joint UL

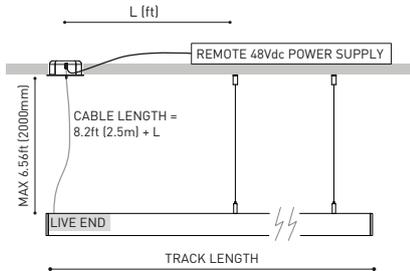
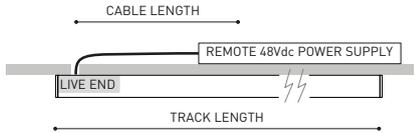


Electrical connection not included

P V D

CONSTANT VOLTAGE	U100-00-78	96 W	48 V	8.16 x 2.97 x 1.30 in
LED POWER SUPPLY				207 x 75.4 x 33 mm

120 & 277V | 50/60 Hz



UL DROP  
VOLTAGE TABLE

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

COLOUR | N ■ | NT ■ | WT □

# BLACK FOSTER CUSTOM UL

## BLACK FOSTER CUSTOM TRACK COMPONENTS



**BLACK FOSTER CUSTOM SURFACE**  
**End UL** U452-00-03- | N | W |

Cover thickness = 0.12in (3mm)



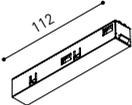
**BLACK FOSTER CUSTOM SURFACE**  
**End Feed UL** U452-00-04- | N | W |

Cover thickness = 0.12in (3mm)

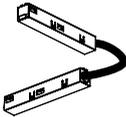


**BLACK FOSTER CUSTOM SURFACE**  
**Straight Joiner UL** U452-00-05

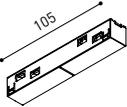
## CONNECTION COMPONENTS



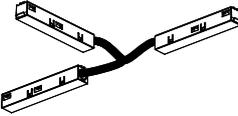
**Live-End Connector 48V UL**  
 U338-00-01- | N |



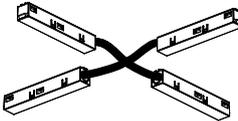
**L-Joint Connector 48V UL**  
 U338-00-12- | N |



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

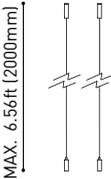


**T-Joint Connector 48V UL**  
 U450-00-07- | N |



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

## SUSPENSION COMPONENTS



**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 | 

\*For remote power supply