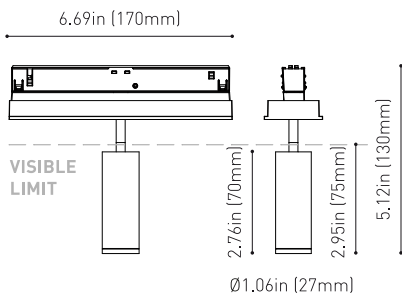


## DIMENSIONS



## ACCESSORIES



BLACK FOSTER CUSTOM  
ACCESSORIES

### Reference

U4540131WT

### Color

Textured white

### Category

CUSTOM SYSTEMS

## LIGHT SOURCE

Type  
LED

Gross luminous flux  
560 Lm

Color temperature  
3000 K

Chromatic stability  
MacAdam Step 2

Color Rendering Index  
CRI>90

Power  
5.5 W

Current  
500 mA

Efficacy  
101 Lm/W

LED lifespan  
L90B10>108.000h

## LIGHTING FIXTURE | PHOTOMETRIC DATA

Lighting efficiency  
84%

Delivered luminous flux  
470 Lm

Light beam angle  
42°

## LIGHTING FIXTURE | ELECTRICAL DATA

Driver  
Included

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

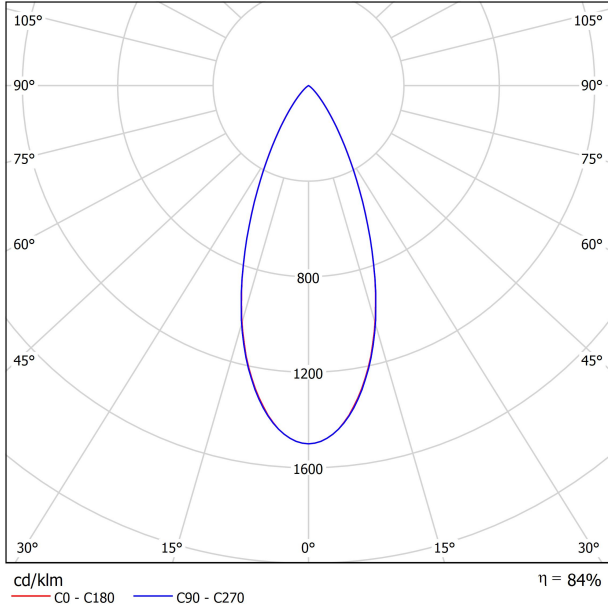
Packaging dimensions  
8.27x4.41x2.13 in | 210x112x54 mm

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



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	12.9	13.6	13.1	13.8	14.0	13.3	14.0	13.6	14.2	14.4
	3H	13.0	13.7	13.3	13.9	14.1	13.4	14.1	13.7	14.3	14.6
	4H	13.2	13.8	13.5	14.1	14.3	13.6	14.2	13.9	14.4	14.7
	6H	13.4	14.0	13.8	14.3	14.6	13.8	14.3	14.1	14.6	14.9
	8H	13.6	14.1	14.0	14.4	14.7	13.9	14.4	14.2	14.7	15.0
4H	2H	12.8	13.4	13.1	13.7	14.0	13.3	13.9	13.6	14.1	14.4
	3H	13.1	13.6	13.4	13.9	14.2	13.5	14.0	13.8	14.3	14.6
	4H	13.4	13.8	13.7	14.1	14.5	13.7	14.1	14.1	14.5	14.8
	6H	13.8	14.2	14.2	14.5	14.9	14.1	14.4	14.5	14.8	15.2
	8H	14.1	14.4	14.5	14.8	15.2	14.3	14.6	14.7	15.0	15.4
8H	2H	14.5	14.8	14.9	15.2	15.6	14.7	15.0	15.2	15.4	15.8
	4H	13.5	13.8	13.9	14.2	14.6	13.8	14.1	14.2	14.5	14.9
	6H	14.1	14.3	14.5	14.7	15.2	14.3	14.5	14.7	14.9	15.4
	8H	14.5	14.7	14.9	15.1	15.6	14.7	14.9	15.1	15.3	15.8
	12H	15.1	15.2	15.6	15.7	16.2	15.3	15.4	15.8	15.9	16.4
12H	4H	13.5	13.8	13.9	14.2	14.6	13.8	14.1	14.2	14.5	14.9
	6H	14.1	14.3	14.6	14.8	15.3	14.3	14.6	14.8	15.0	15.5
	8H	14.6	14.8	15.1	15.2	15.7	14.8	15.0	15.3	15.4	15.9
	Variation of the observer position for the luminaire distances S										
	S = 1.0H	+3.8 / -6.3					+3.8 / -6.2				
S = 1.5H	+6.5 / -9.2					+6.5 / -9.1					
S = 2.0H	+8.5 / -10.3					+8.5 / -10.2					
Standard table	BK00					BK00					
Correction Summand	5.7					5.7					
Corrected Glare Indices referring to 600lm 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

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

L



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)

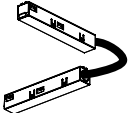


**BLACK FOSTER CUSTOM SURFACE**  
**Straight Joiner UL**                    **U452-00-05**

## CONNECTION COMPONENTS



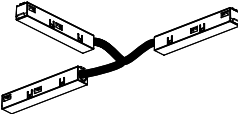
**Live-End Connector 48V UL**  
**U338-00-01- | N |**



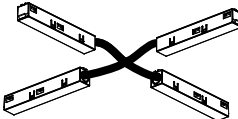
**L-Joint Connector 48V UL**  
**U338-00-12- | N |**



**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