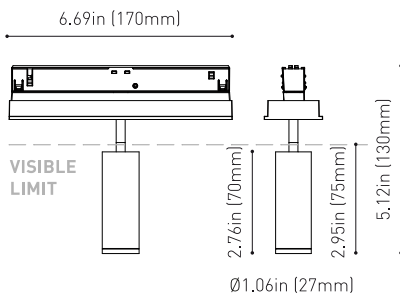




## DIMENSIONS



## ACCESORIES



BLACK FOSTER CUSTOM  
ACCESSORIES

|           |   |
|-----------|---|
| Name      | BLACK FOSTER CUSTOM MODULE FIT 27 UL 37° DIM 0/10V 2700K WT |
| Reference | U4540120WT  |
| Color     | Textured white  |
| Category  | CUSTOM SYSTEMS  |

## PRODUCT

|           |   |
|-----------|---|
| Name      | BLACK FOSTER CUSTOM MODULE FIT 27 UL 37° 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             |
| Current               | 500 mA            |
| 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

|                            |          |
|----------------------------|----------|
| Driver                     | Included |
| Power values of the system | 7,00 W   |
| Dimming                    | 0-10V    |

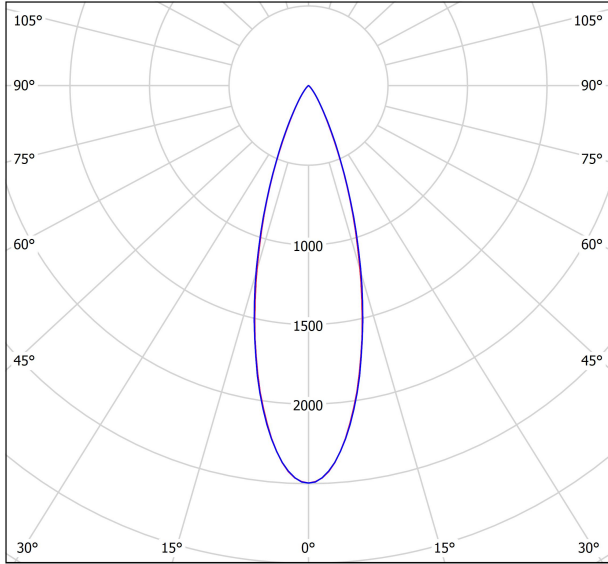
## OTHER DATA

|                        |                                   |
|------------------------|-----------------------------------|
| 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



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   |             |  |      |      |      |             |   |      |      |      |      |

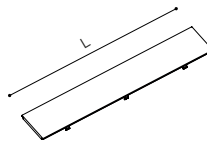
BLACK FOSTER CUSTOM UL



|                             |                |             |    |    |
|-----------------------------|----------------|-------------|----|----|
| 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 |

|                           |            |             |   |                   |
|---------------------------|------------|-------------|---|-------------------|
| 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<br>5m | 32.80ft<br>10m | 65.62ft<br>20m  | 98.43ft<br>30m |
| 96 W  | AWG16         | TRACK LENGTH  |                |                 |                |
|       |               | 164ft<br>50m  | 164ft<br>50m   | 131.32ft<br>40m | 82ft<br>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)

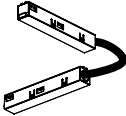


**BLACK FOSTER CUSTOM SURFACE**  
**Straight Joiner UL** U452-00-05

## 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