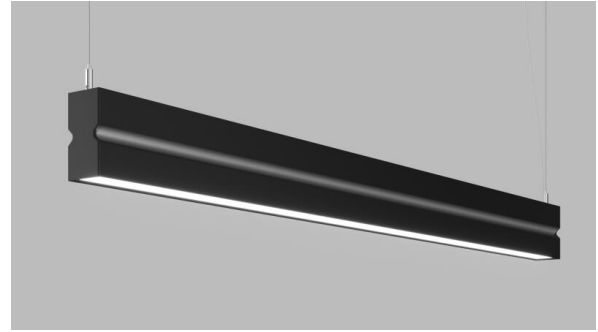




# FLUTE™

## FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE



QUANTITIES

### 1 DESCRIPTION

**FLUTE** shapeshifts the traditional block form factor into a cutting-edge cyber style. The illuminated reveal and fluting along the flank emits a halation effect through the side glow that radiates an electrifying detail, providing a lightweight appearance and energetic aura to an already compact form factor. The hourglass contour jacks up profile design with an aerodynamic quality. **FLUTE** is the optimal complement for tech-age modern design and interiors with intricate detailing. **FLUTE** delivers a high efficacy up to 142 lumens per watt, affording designers several lumen packages to ensure their desired effect is achieved without over or under-lighting. The direct light can be paired with a Comfort Lens for a softer and more even distribution of light, providing visual comfort. The unique profile design of this fresh linear can be built in a bespoke manner, suited to the requirements of each and every space.

### 2 OPTICS & FEATURES

|  |   |   |   |   |   |  |   |   |
|--|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |  |
| Suspended Direct   | Suspended Direct/Indirect   | Direct DD2  | Direct DD4  | Indirect UD1  | Indirect UD3  | Declare  | PoE   | Tunable White   |

### 3 APPROVALS



**4 GENERAL SPECIFICATION**

**BODY**

Aluminum.

**POWER CABLE**

Silver braided.

**MECHANICAL**

Align N' Lock™ joiner ensures zero light leak and a simple installation. Luminaires mount directly over J box (by others).

**POE**

Can be integrated into your data network via Power over Ethernet connectivity.

**REMOTE EMERGENCY**

Emergency option provides a 1.5 hour (3hours for EU) emergency lighting facility. The remote system includes the inverter module, NiCad batteries and a remote wall/ceiling LED charge indicator and test switch. Maximum distance between wall/ceiling plate and luminaire is 15' (4.5m). Test switch fits a single gang box (not supplied).

**DRIVERS**

HPF electronic drivers for 120–277V, 347V (EU–240V). The driver is integral to the fixture housing.

**REPORTED L70 @25°C (77°F)**

>108000 hrs @3000 lms/ft (9800 lm/m)

**DELIVERED LUMENS**

Delivered lumens & LPW based on 4000K CRI 80+

**DESIGNED BY**

Serge Cornelissen.

**SEISMIC BRACING**

Seismic bracing kits are available to meet compliance requirements. Consult the factory for details.

**FINISH**

Powder coated.

**SUSPENSION**

Steel cables.

**LENS**

Opal acrylic. Supplied with a seamless roll (up to 24ft), to be trimmed and installed in the field.

**BIOS**

For circadian lighting, consult factory.

**SENSORS**

Compatible with Avi-On, Casambi, Enlighted, Lutron Vive, nLight, NX Lighting Controls, Osram, Philips, and others. Consult factory.

**TUNABLE WHITE**

Tunable White range from 2700K to 6500K is available; contact the factory for details.

**ESTIMATED L70 @25°C (77°F)**

>196000 hrs @3000 lms/ft (9800 lm/m)

**APPROVALS**

Damp Rated.

**DESIGN**

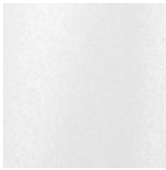
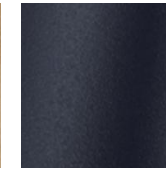


US Pat. No. D967,491 US Pat. No. D969,389

**SUSTAINABILITY**

Designed for on-site LED board, driver, and optic replacement. Contact the factory for maintenance documentation.

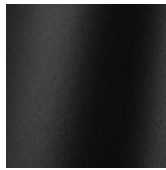



**5 DESIGN OPTIONS**

**FIXTURE FINISH**

|  |   |   |   |   |  |   |   |
|--|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |
| White -<br>Textured  | Black<br>Metallic -<br>Textured   | Silver<br>Metallic -<br>Textured  | Gold Metallic<br>- Textured   | Wood grain<br>- Light<br>Cherry <sup>1</sup>                                      | Wood grain<br>- Dark<br>Walnut <sup>1</sup>  | Wood grain<br>- White Oak<br><sup>1</sup>   | Midnight<br>Blue Metallic<br>- Textured   |
|  |  |  |  |  |  |   |   |
| Copper<br>Metallic   | Charcoal<br>Metallic -<br>Textured  | Bronze<br>Metallic -<br>Textured  | Champagne<br>Metallic   | Red Metallic<br>- Textured  |  |   |   |

<sup>1</sup> Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.

**CANOPY FINISH**

|  |   |   |   |   |  |   |   |
|--|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |
| White -<br>Textured  | Black<br>Metallic -<br>Textured   | Silver<br>Metallic -<br>Textured  | Gold Metallic<br>- Textured   | Midnight<br>Blue Metallic<br>- Textured   | Copper<br>Metallic   | Charcoal<br>Metallic -<br>Textured  | Bronze<br>Metallic -<br>Textured  |
|  |  |   |   |   |  |   |   |
| Champagne<br>Metallic  | Red Metallic<br>- Textured  |   |   |   |  |   |   |



## 7. CCT - DIRECT

|   |                    |                    |                    |
|---|--------------------|--------------------|--------------------|
| <b>CTA27</b> 2700K                      | <b>CTA30</b> 3000K | <b>CTA35</b> 3500K | <b>CTA40</b> 4000K |
| <b>CTA60</b> Tunable White <sup>1</sup> |                    |                    |                    |

<sup>1</sup> Consult factory.

## 8. CCT - INDIRECT

|                           |   |                    |                    |
|---------------------------|---|--------------------|--------------------|
| <b>CTB00</b> Not required | <b>CTB27</b> 2700K                      | <b>CTB30</b> 3000K | <b>CTB35</b> 3500K |
| <b>CTB40</b> 4000K        | <b>CTB60</b> Tunable White <sup>1</sup> |                    |                    |

<sup>1</sup> Consult factory.

## 9. DIRECT LENS

|                    |                    |
|--------------------|--------------------|
| <b>DD2</b> Batwing | <b>DD4</b> Comfort |
|--------------------|--------------------|

## 10. INDIRECT LENS

|                         |                    |                                    |
|-------------------------|--------------------|------------------------------------|
| <b>UD0</b> Not required | <b>UD1</b> Batwing | <b>UD3</b> Asymmetric <sup>1</sup> |
|-------------------------|--------------------|------------------------------------|

<sup>1</sup> Available up to 1200 lms/ft.

## 11. UPLIGHT BLACKOUT PLATE

|                          |  |
|--------------------------|--|
| <b>UB00</b> Not required | <b>UB_ _</b> Blackout plate <sup>1</sup> |
|--------------------------|--|

<sup>1</sup> Available on a per foot basis. May be required to prevent lighting up duct work in a loft type application.

## 12. VOLTAGE

|                    |                             |                             |                                    |
|--------------------|-----------------------------|-----------------------------|------------------------------------|
| <b>V1</b> 120/277V | <b>V2</b> 240V <sup>1</sup> | <b>V3</b> 347V <sup>2</sup> | <b>V4</b> Low Voltage <sup>3</sup> |
|--------------------|-----------------------------|-----------------------------|------------------------------------|

<sup>1</sup> V2 not available in North America. <sup>2</sup> V3 available with DA01 dimming only. <sup>3</sup> V4 available with DA45 dimming only.

## 13. DIMMING

|  |   |  |  |
|--|---|--|--|
| <b>DA01</b> 0-10V Dimming 1.0%         | <b>DA02</b> 0-10V Dimming 0.1% <sup>1</sup> | <b>DA20</b> DALI Dimming 0.1% <sup>1</sup> | <b>DA21</b> DALI Dimming 1.0% <sup>1</sup> |
| <b>DA30</b> DSI/switchDim <sup>2</sup> | <b>DA45</b> PoE <sup>3</sup>                |  |  |

<sup>1</sup> Not available with V3. <sup>2</sup> Not available in North America. <sup>3</sup> Only available with V4.

## 14. CEILING TYPE

**G1** Grid ceiling <sup>1</sup>                      **H1** Hard ceiling <sup>2</sup>

<sup>1</sup> Combo kit includes installation to T-bar and through tile mount. <sup>2</sup> Designed for drywall ceilings.

## 15. SUSPENSION

**HLA03** 3ft cable suspension              **HLA06** 6ft cable suspension              **HLA09** 9ft cable suspension

Special order available on lengths over 10ft and may be subject to longer lead times, consult factory.

## 16. FIXTURE FINISH

**FA01** White – Textured                      **FA02** Black Metallic – Textured              **FA20** Silver Metallic – Textured              **FA25** Gold Metallic – Textured  
**FA27** Wood grain – Light Cherry <sup>1</sup>   **FA28** Wood grain – Dark Walnut <sup>1</sup>   **FA30** Wood grain – White Oak <sup>1</sup>   **FA44** Midnight Blue Metallic – Textured  
**FA45** Copper Metallic                      **FA46** Charcoal Metallic – Textured                      **FA47** Bronze Metallic – Textured              **FA52** Champagne Metallic  
**FA53** Red Metallic – Textured

<sup>1</sup> Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.

## 17. CANOPY FINISH

**CF01** White – Textured                      **CF02** Black Metallic – Textured              **CF20** Silver Metallic – Textured              **CF25** Gold Metallic – Textured  
**CF44** Midnight Blue Metallic – Textured              **CF45** Copper Metallic                      **CF46** Charcoal Metallic – Textured              **CF47** Bronze Metallic – Textured  
**CF52** Champagne Metallic                      **CF53** Red Metallic – Textured

## 18. EMERGENCY

**E0** Not required                              **E1** Emergency system – Integral <sup>1</sup>   **E3** Emergency generated circuit <sup>1</sup>

<sup>1</sup> A drawing will be required at the time of ordering to determine the required number and location of the emergency sections or generator circuits. Not available in 347V.

## 19. CIRCUITS

**CS1** Single circuit                              **CS2** Dual circuit <sup>1</sup>                              **CS4** Emergency generated circuit <sup>1</sup>

<sup>1</sup> Only required if ordering Emergency system.

**20. SENSORS**

Compatible with Avi-On, Casambi, Enlighted, Lutron Vive, nLight, NX Lighting Controls, Osram, Philips, and others. Consult factory.

**7 TECHNICAL DATA**

**LUMINAIRE**

Data shown based on max values, consult Performance Data download for more details. Non Illuminated Reveal versions available, consult factory for details. One power cord for every 50 linear feet.

| Code                     | FLUPIP | FLUP2P          |
|--------------------------|--------|-----------------|
| <b>Light Direction</b>   | Direct | Direct/Indirect |
| <b>Lms/Ft Direct</b>     | 1400   | 1400            |
| <b>Lms/ft Indirect</b>   |        | 1650            |
| <b>Watts/Ft Direct</b>   | 13     | 13              |
| <b>Watts/Ft Indirect</b> |        | 13              |
| <b>LPW Direct</b>        | 133    | 133             |
| <b>LPW Indirect</b>      |        | 168             |

**8 PERFORMANCE DATA**

**DIRECT COMFORT DIFFUSER (WITH SIDE REVEAL) (DD4)**

|  | LUMEN/FT | WATT/FT | LPW |
|--|----------|---------|-----|
|  | 1400     | 13      | 107 |
|  | 1200     | 11      | 110 |
|  | 1000     | 9       | 113 |
|  | 800      | 7       | 116 |
|  | 600      | 5       | 121 |
|  | 400      | 3       | 126 |
|  | 200      | 2       | 133 |

**INDIRECT BATWING (UD1)**

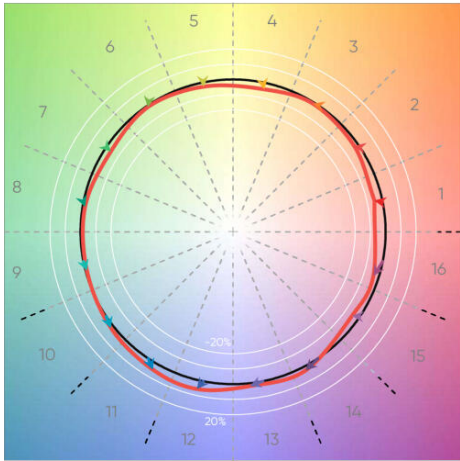
|  | LUMEN/FT | WATT/FT | LPW |
|--|----------|---------|-----|
|  | 1650     | 13      | 134 |
|  | 1400     | 11      | 138 |
|  | 1000     | 9       | 142 |
|  | 800      | 7       | 146 |
|  | 600      | 6       | 150 |
|  | 400      | 4       | 155 |
|  | 200      | 3       | 161 |
|  | 1        | 168     |     |

**INDIRECT ASYMMETRIC (UD3)**

|  | LUMEN/FT | WATT/FT | LPW |
|--|----------|---------|-----|
|  | 1200     | 13      | 97  |
|  | 1000     | 10      | 100 |
|  | 800      | 9       | 102 |
|  | 600      | 6       | 107 |
|  | 400      | 4       | 109 |
|  | 200      | 2       | 112 |

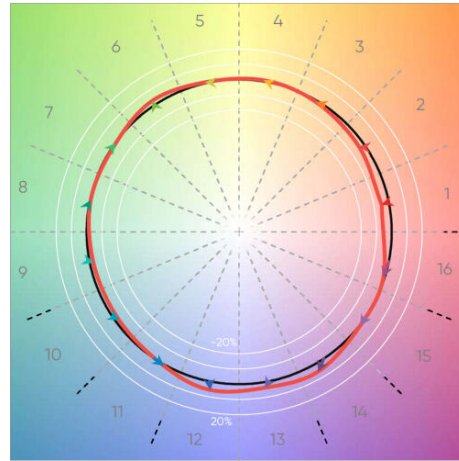
9 TM-30 DATA

**CCT 2700K**



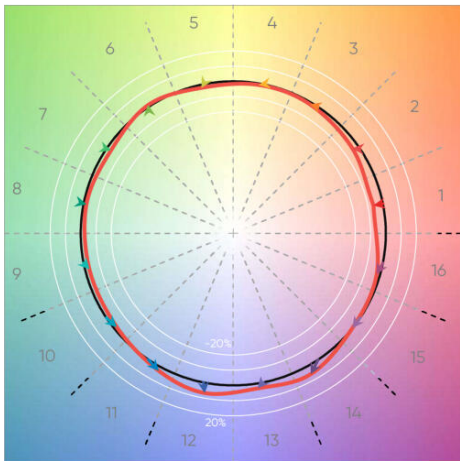
|                 |         |
|-----------------|---------|
| <b>CRI (Ra)</b> | 93      |
| <b>CRI (R9)</b> | 61      |
| <b>TM30 Rf</b>  | 91      |
| <b>TM30 Rg</b>  | 98      |
| <b>Duv</b>      | -0.0022 |

**CCT 3000K**



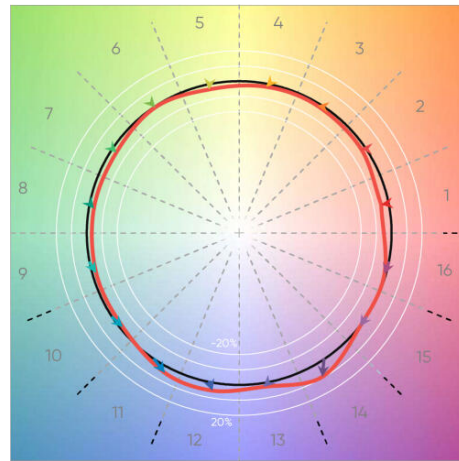
|                 |         |
|-----------------|---------|
| <b>CRI (Ra)</b> | 92      |
| <b>CRI (R9)</b> | 58      |
| <b>TM30 Rf</b>  | 92      |
| <b>TM30 Rg</b>  | 100     |
| <b>Duv</b>      | -0.0003 |

**CCT 3500K**



|                 |         |
|-----------------|---------|
| <b>CRI (Ra)</b> | 91      |
| <b>CRI (R9)</b> | 53      |
| <b>TM30 Rf</b>  | 90      |
| <b>TM30 Rg</b>  | 99      |
| <b>Duv</b>      | -0.0007 |

**CCT 4000K**



|                 |        |
|-----------------|--------|
| <b>CRI (Ra)</b> | 93     |
| <b>CRI (R9)</b> | 64     |
| <b>TM30 Rf</b>  | 90     |
| <b>TM30 Rg</b>  | 98     |
| <b>Duv</b>      | 0.0000 |

10 DIMENSIONAL DIAGRAMS

