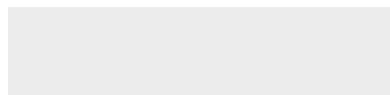
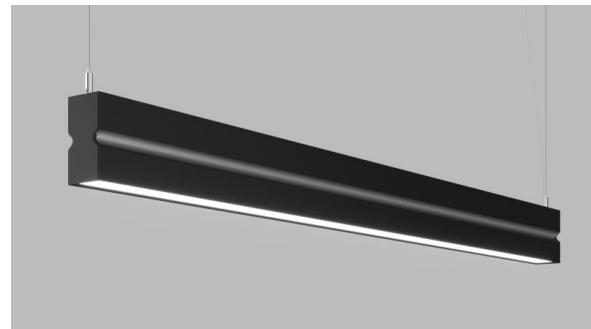


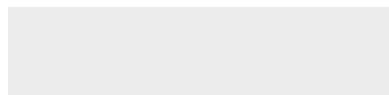


# FLUTE™

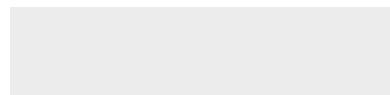
## FULL SPECIFICATION SHEET



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



### 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**

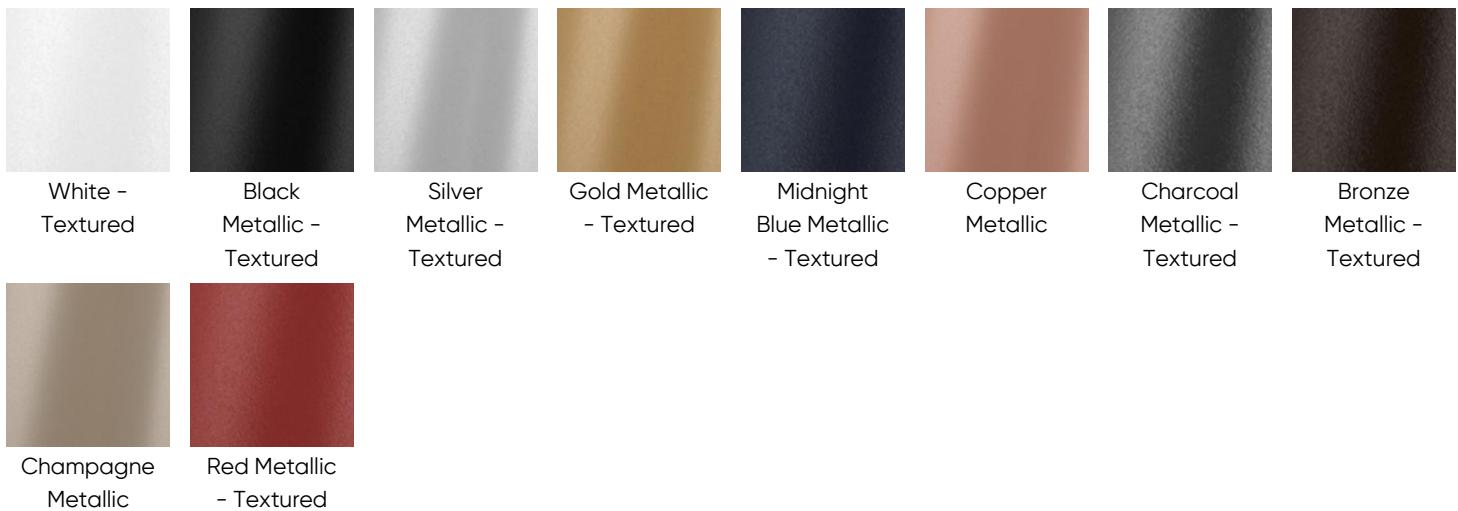
Damp Rated.

**DESIGN**

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

**5 DESIGN OPTIONS****Fixture Finish**

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

**Canopy Finish**

**6 HOW TO ORDER****1. LUMINAIRE****FLUP1P** Direct      **FLUP2P** Direct/Indirect

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.

**2. LENGTH OF RUN**

Minimum length to order is 4ft and orders to be in 2ft increments. For 6 inch increments, consult factory.

Examples: 4ft = SFA0400, 10ft = SFA1000, 50ft = SFA5000

For runs over 50ft in length, consult factory.

**SFA\_ \_ \_ \_****3. MAX LENGTH PER SECTION**

<b>SL04</b> 4ft	<b>SL06</b> 6ft	<b>SL08</b> 8ft	<b>SL10</b> 10ft
<b>SL12</b> 12ft			

You can select the preferred maximum length per segment, to account for transportation and building constraints. Example: If a 40ft run is required and SL12 (12ft) is selected, we would provide 4 10ft segments. For special requirements, please contact [sales@betacalco.com](mailto:sales@betacalco.com).

\* Review the Linear Length Configurations document for each length of run.

**4. LM/FT (DIRECT)**

<b>LPF020</b> 200 lm/ft	<b>LPF040</b> 400 lm/ft	<b>LPF060</b> 600 lm/ft	<b>LPF080</b> 800 lm/ft
<b>LPF100</b> 1000 lm/ft	<b>LPF120</b> 1200 lm/ft	<b>LPF140</b> 1400 lm/ft	

**5. LM/FT (INDIRECT)**

<b>LPG000</b> Not required	<b>LPG020</b> 200 lm/ft	<b>LPG040</b> 400 lm/ft	<b>LPG060</b> 600 lm/ft
<b>LPG080</b> 800 lm/ft	<b>LPG100</b> 1000 lm/ft	<b>LPG120</b> 1200 lm/ft	<b>LPG140</b> 1400 lm/ft
<b>LPG165</b> 1650 lm/ft			

**6. CRI****CR80** CRI 80+      **CR90** CRI 90+

**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			

<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>			

<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**

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

<sup>1</sup> Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.**17. CANOPY FINISH**

<b>CF01</b> White - Textured	<b>CF02</b> Black Metallic - Textured	<b>CF20</b> Silver Metallic - Textured	<b>CF25</b> Gold Metallic - Textured
<b>CF44</b> Midnight Blue Metallic - Textured	<b>CF45</b> Copper Metallic	<b>CF46</b> Charcoal Metallic - Textured	<b>CF47</b> Bronze Metallic - Textured
<b>CF52</b> Champagne Metallic	<b>CF53</b> 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**

<b>CS1</b> Single circuit	<b>CS2</b> Dual circuit <sup>1</sup>	<b>CS4</b> 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

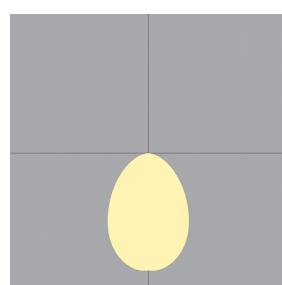
### LUMINAIRE

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	FLUP1P	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

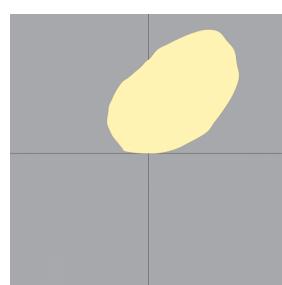
## 8 PERFORMANCE DATA

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



LUMEN/FT	WATT/FT	LPW	INDIRECT BATWING (UD1)	LUMEN/FT	WATT/FT	LPW
1400	13	107		1650	13	134
1200	11	110		1400	11	138
1000	9	113		1000	9	142
800	7	116		800	7	146
600	5	121		600	6	150
400	3	126		400	4	155
200	2	133		200	3	161
				1		168

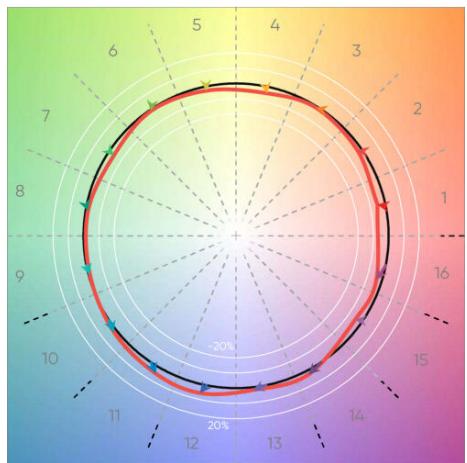
### INDIRECT ASYMMETRIC (UD3)



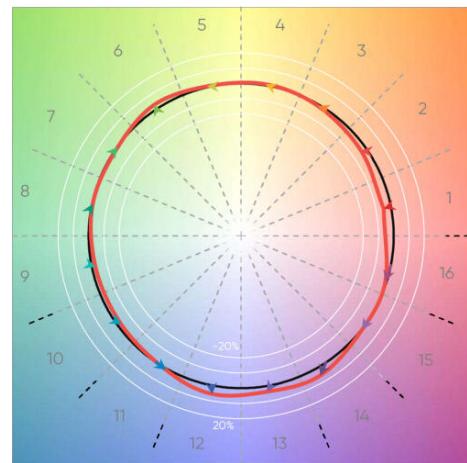
LUMEN/FT	WATT/FT	LPW
1200	13	97
1000	10	100
800	9	102
600	6	107
400	4	109
200	2	112

9 TM-30 DATA

**CCT 2700K**



**CCT 3000K**



**CRI (Ra)**

92

**CRI (R9)**

58

**TM30 Rf**

92

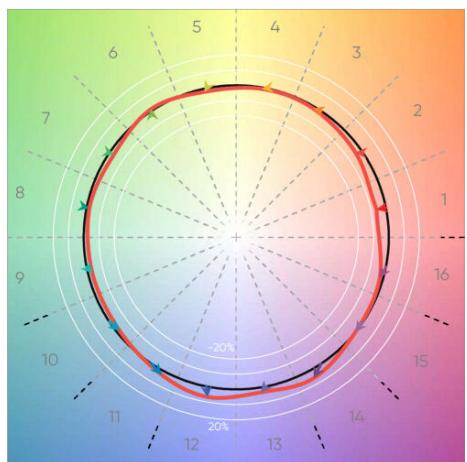
**TM30 Rg**

100

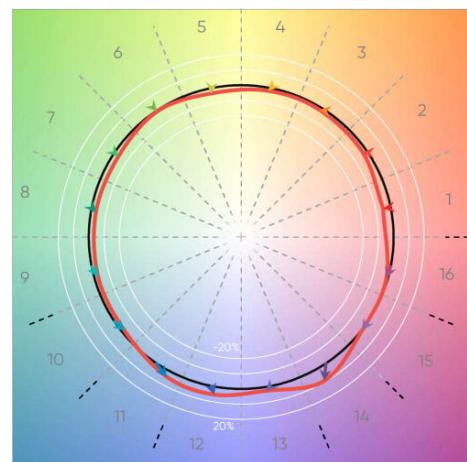
**Duv**

-0.00003

**CCT 3500K**



**CCT 4000K**



**CRI (Ra)**

93

**CRI (R9)**

64

**TM30 Rf**

90

**TM30 Rg**

98

**Duv**

0.0000

10 DIMENSIONAL DIAGRAMS

