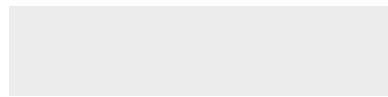
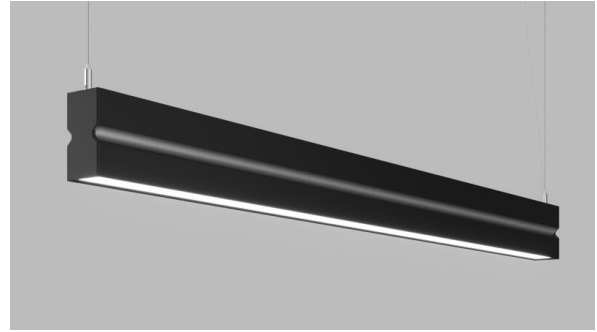


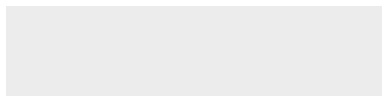


# FLUTE™

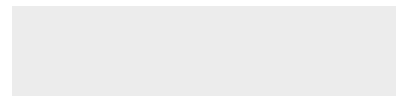
## FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE

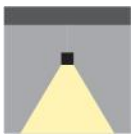


QUANTITIES

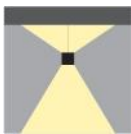
### 1 DESCRIPTION

**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



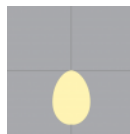
Suspended  
Direct



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**

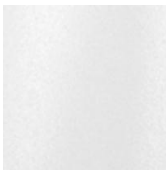


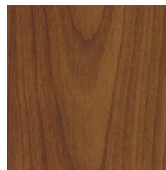
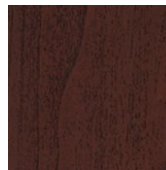
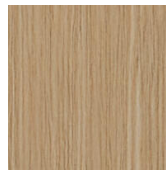
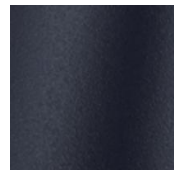

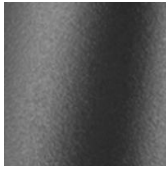



Damp Rated.

**DESIGN**

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

5 DESIGN OPTIONS

FIXTURE FINISH

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

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

CANOPY FINISH

							
White	Black Metallic - Textured	Silver Metallic - Textured	Gold Metallic - Textured	Midnight Blue Metallic - Textured	Copper Metallic	Charcoal Metallic - Textured	Bronze Metallic - Textured
							
Champagne Metallic	Red Metallic - Textured						

## 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.

Example: 4ft = SFA0400

Example: 10ft = SFA1000

Example: 50ft = SFA5000

For runs over 50ft in length, consult factory.

**SFA\_ \_ \_ \_**

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

Example: 4ft = SFA0400

Example: 10ft = SFA1000

Example: 50ft = SFA5000

For runs over 50ft in length, consult factory.

### 3. MAX LENGTH PER SECTION

**SL04** 4ft

**SL06** 6ft

**SL08** 8ft

**SL10** 10ft

**SL12** 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.

### 4. LM/FT (DIRECT)

**LPF020** 200 lm/ft

**LPF040** 400 lm/ft

**LPF060** 600 lm/ft

**LPF080** 800 lm/ft

**LPF100** 1000 lm/ft

**LPF120** 1200 lm/ft

**LPF140** 1400 lm/ft

### 5. LM/FT (INDIRECT)

**LPG000** Not required

**LPG020** 200 lm/ft

**LPG040** 400 lm/ft

**LPG060** 600 lm/ft

**LPG080** 800 lm/ft

**LPG100** 1000 lm/ft

**LPG120** 1200 lm/ft

**LPG140** 1400 lm/ft

**LPG165** 1650 lm/ft

## 6. CRI

**CR80** CRI 80+

**CR90** CRI 90+

## 7. CCT – DIRECT

**CTA27** 2700K

**CTA30** 3000K

**CTA35** 3500K

**CTA40** 4000K

**CTA60** Tunable White <sup>1</sup>

<sup>1</sup> Consult factory.

## 8. CCT – INDIRECT

**CTB00** Not required

**CTB27** 2700K

**CTB30** 3000K

**CTB35** 3500K

**CTB40** 4000K

**CTB60** Tunable White <sup>1</sup>

<sup>1</sup> Consult factory.

## 9. DIRECT LENS

**DD2** Batwing

**DD4** Comfort

## 10. INDIRECT LENS

**UD0** Not required

**UD1** Batwing

**UD3** Asymmetric <sup>1</sup>

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

## 11. UPLIGHT BLACKOUT PLATE

**UB00** Not required

**UB\_\_** 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

**V1** 120/277V

**V2** 240V <sup>1</sup>

**V3** 347V <sup>2</sup>

**V4** 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

<b>G1</b> Grid ceiling <sup>1</sup>	<b>H1</b> 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

<b>HLA03</b> 3ft cable suspension	<b>HLA06</b> 6ft cable suspension	<b>HLA09</b> 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	<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	<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

**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.

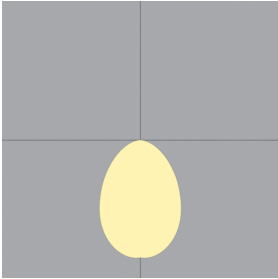
One power cord for every 50 linear feet.

Code	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

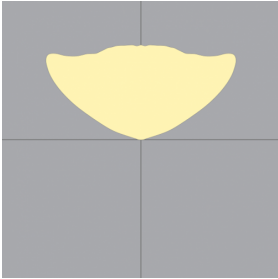
8

PERFORMANCE DATA

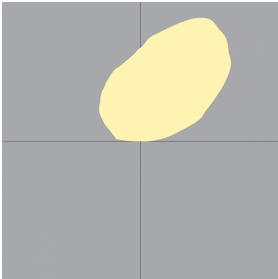
DIRECT COMFORT DIFFUSER  
(WITH SIDE REVEAL) (DD4)

	LUMEN/FT	WATT/FT	LPW
	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

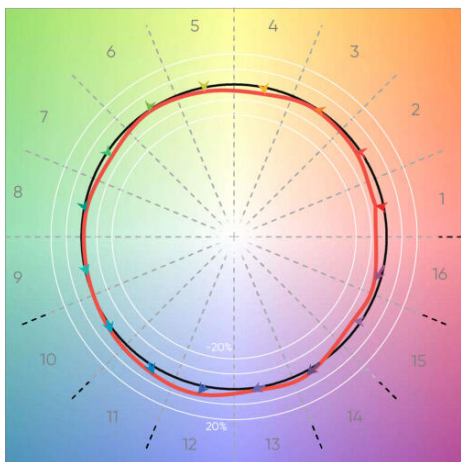
INDIRECT ASYMMETRIC  
(UD3)

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



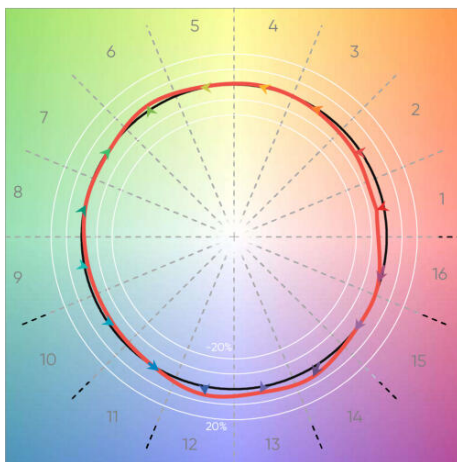
9 TM-30 DATA

CCT 2700K



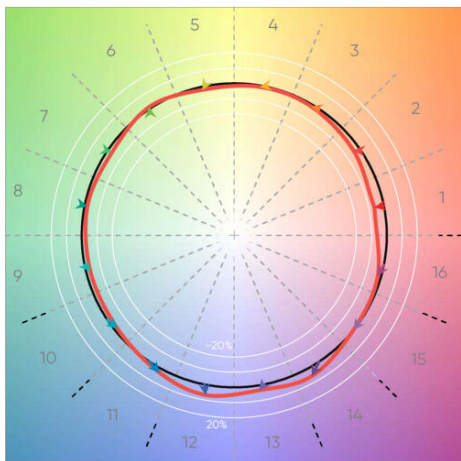
<b>CRI (Ra)</b>	93
<b>CRI (R9)</b>	61
<b>TM30 Rf</b>	91
<b>TM30 Rg</b>	98
<b>Duv</b>	-0.0022

CCT 3000K



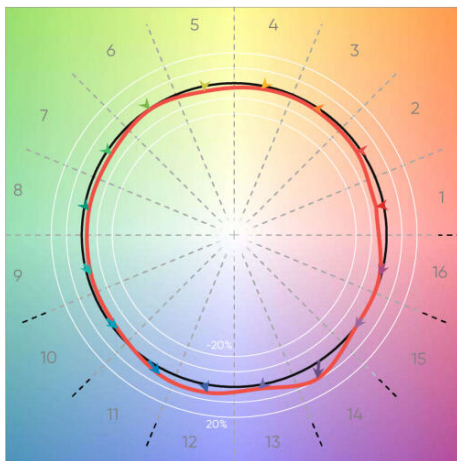
<b>CRI (Ra)</b>	92
<b>CRI (R9)</b>	58
<b>TM30 Rf</b>	92
<b>TM30 Rg</b>	100
<b>Duv</b>	-0.0003

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

