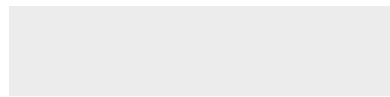
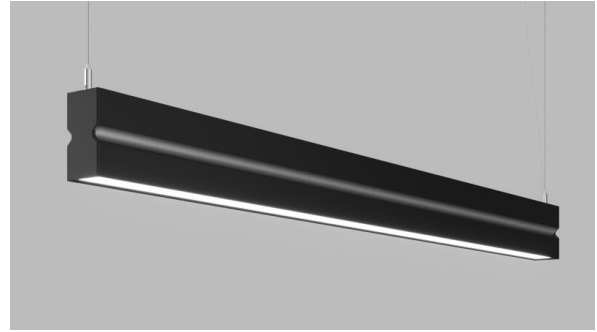


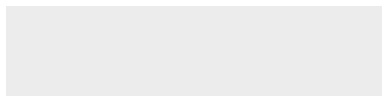


FLUTE™

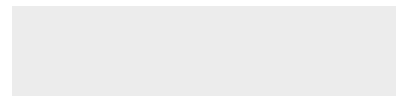
FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE



QUANTITIES

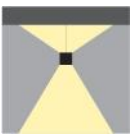
1 DESCRIPTION

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



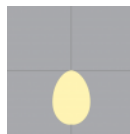
Suspended
Direct



Suspended
Direct/Indirect



Direct DD2



Direct DD4



Indirect UD1



Indirect UD3



Declare



PoE



Tunable White

3 APPROVALS



4 GENERAL SPECIFICATION

BODY

Aluminum.

FINISH

Powder coated.

POWER CABLE

Silver braided.

SUSPENSION

Steel cables.

MECHANICAL

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

LENS

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

POE

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

BIOS

For circadian lighting, consult factory.

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).

SENSORS

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

DRIVERS

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

TUNABLE WHITE

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

REPORTED L70 @25°C (77°F)

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

ESTIMATED L70 @25°C (77°F)

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

DELIVERED LUMENS

Delivered lumens & LPW based on 4000K CRI 80+

APPROVALS

Damp Rated.

DESIGNED BY

Serge Cornelissen.

DESIGN

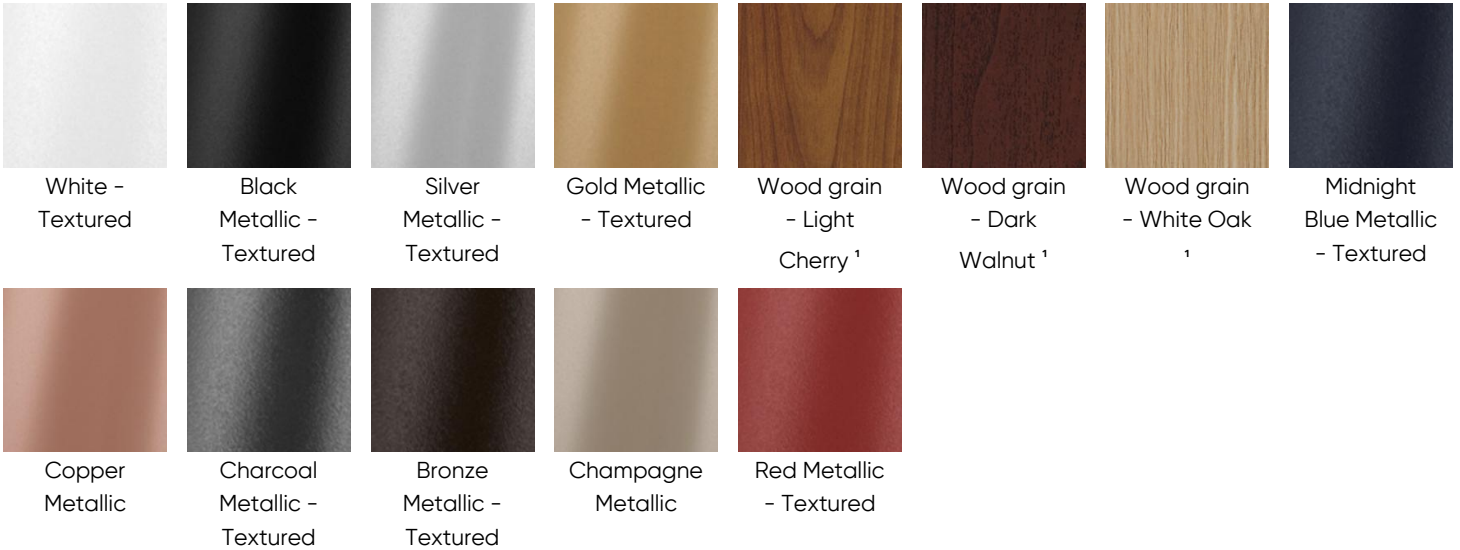
US Pat. No. D967,491 US Pat. No. D969,389

SEISMIC BRACING

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

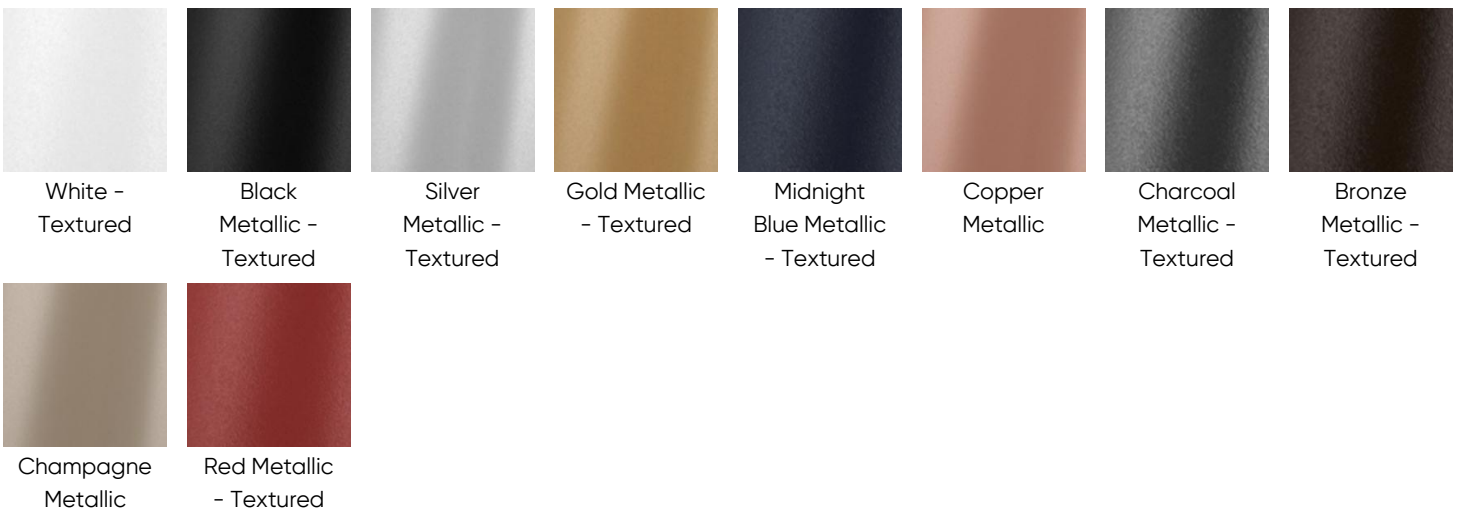
5 DESIGN OPTIONS

FIXTURE FINISH



¹ 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

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.

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

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 ¹			

¹ Consult factory.

8. CCT – INDIRECT

CTB00 Not required	CTB27 2700K	CTB30 3000K	CTB35 3500K
CTB40 4000K	CTB60 Tunable White ¹		

¹ Consult factory.

9. DIRECT LENS

DD2 Batwing	DD4 Comfort
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10. INDIRECT LENS

UD0 Not required	UD1 Batwing	UD3 Asymmetric ¹
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¹ Available up to 1200 lms/ft.

11. UPLIGHT BLACKOUT PLATE

UB00 Not required	UB__ Blackout plate ¹
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¹ 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 ¹	V3 347V ²	V4 Low Voltage ³
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¹ V2 not available in North America. ² V3 available with DA01 dimming only. ³ V4 available with DA45 dimming only.

13. DIMMING

DA01 0–10V Dimming 1.0%	DA02 0–10V Dimming 0.1% ¹	DA20 DALI Dimming 0.1% ¹	DA21 DALI Dimming 1.0% ¹
DA30 DSI/switchDim ²	DA45 PoE ³		

¹ Not available with V3. ² Not available in North America. ³ Only available with V4.

14. CEILING TYPE

G1 Grid ceiling ¹ **H1** Hard ceiling ²

¹ Combo kit includes installation to T-bar and through tile mount. ² 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 ¹ **FA28** Wood grain – Dark Walnut ¹ **FA30** Wood grain – White Oak ¹ **FA44** Midnight Blue Metallic – Textured
FA45 Copper Metallic **FA46** Charcoal Metallic – Textured **FA47** Bronze Metallic – Textured **FA52** Champagne Metallic
FA53 Red Metallic – Textured

¹ 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 ¹ **E3** Emergency generated circuit ¹

¹ 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 ¹ **CS4** Emergency generated circuit ¹

¹ 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

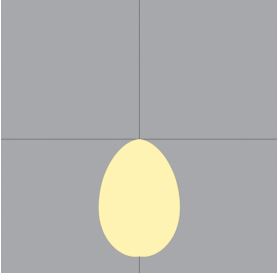
LUMINAIRE

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.

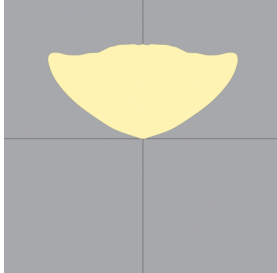
Code	FLUP1P	FLUP2P
Light Direction	Direct	Direct/Indirect
Lms/Ft Direct	1400	1400
Lms/ft Indirect		1650
Watts/Ft Direct	13	13
Watts/Ft Indirect		13
LPW Direct	133	133
LPW Indirect		168

8 PERFORMANCE DATA

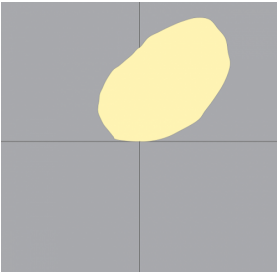
DIRECT COMFORT DIFFUSER (WITH SIDE REVEAL) (DD4)

	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)

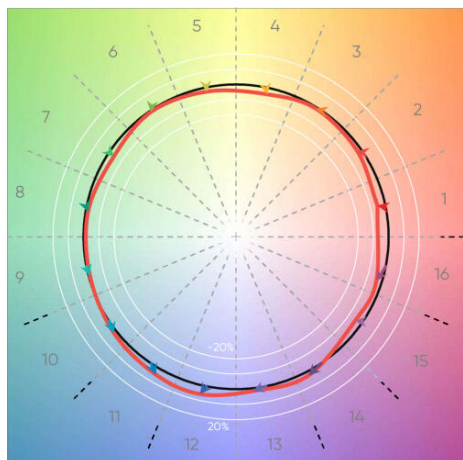
	LUMEN/FT	WATT/FT	LPW
	1650	13	134
	1400	11	138
	1000	9	142
	800	7	146
	600	6	150
	400	4	155
	200	3	161
		1	168

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

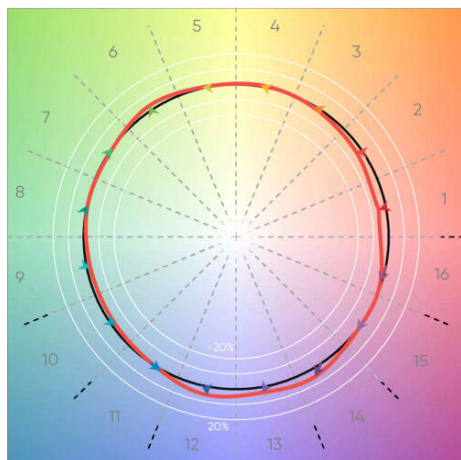
9 TM-30 DATA

CCT 2700K



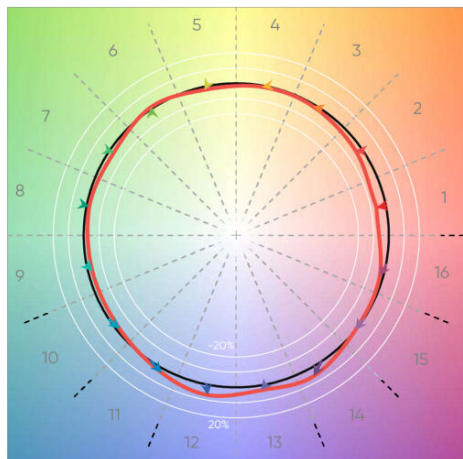
CRI (Ra)	93
CRI (R9)	61
TM30 Rf	91
TM30 Rg	98
Duv	-0.0022

CCT 3000K



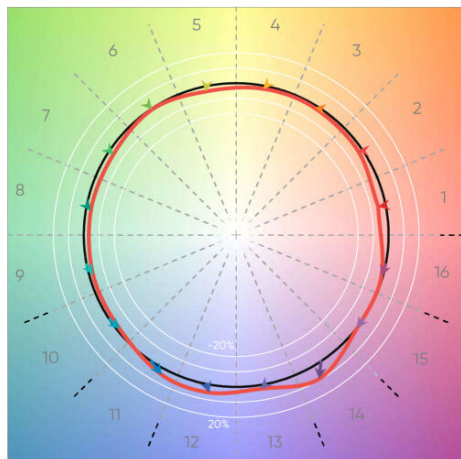
CRI (Ra)	92
CRI (R9)	58
TM30 Rf	92
TM30 Rg	100
Duv	-0.0003

CCT 3500K



CRI (Ra)	91
CRI (R9)	53
TM30 Rf	90
TM30 Rg	99
Duv	-0.0007

CCT 4000K



CRI (Ra)	93
CRI (R9)	64
TM30 Rf	90
TM30 Rg	98
Duv	0.0000

10 DIMENSIONAL DIAGRAMS

