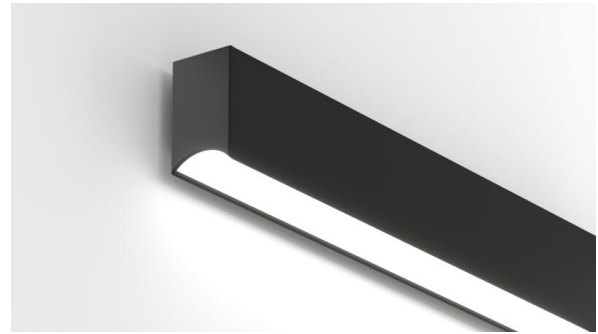




# TUNNEL™

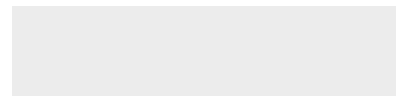
## FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE



QUANTITIES

### 1 DESCRIPTION

**TUNNEL** revives the classic functional form into a charming new style with an incurved enhancement. With this design flair comes great functionality. **TUNNEL** exceeds typical levels of output and efficacy, and delivers on specification capabilities. Its 13 luxurious finishes and smooth lines create a stylish luminaire that doesn't compromise on performance. These fixtures are BIOS and Tunable White compatible, ensuring optimal visual comfort.

### 2 OPTICS & FEATURES

Wall - Direct/Indirect	Direct DD1	Direct DD4	Indirect UD2	Indirect UD3	Bios	Declare	PoE	Tunable White

### 3 APPROVALS



### 4 GENERAL SPECIFICATION

**BODY**  
Aluminum.

**FINISH**  
Powder coated.

### MECHANICAL

Luminaires mount directly over J box (by others).

### POE

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

### TUNABLE WHITE

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

### DRIVERS

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

### SENSORS

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

### REPORTED L70 @25°C (77°F)

> 60,000 hrs @ 2000 lumens/ft (6000 lumens/m)

### DELIVERED LUMENS

Delivered lumens & LPW based on 4000K CRI 80+

### DESIGNED BY

Serge Cornelissen.

### SUSTAINABILITY

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

### LENS

Opal acrylic. 2.4" width

### BIOS

For circadian lighting, consult factory.

### RGBW

RGBW available, consult factory.

### INTEGRAL EMERGENCY SYSTEM

Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The self contained system includes the inverter module, NiCad batteries, LED charge indicator and test switch (NA only). Not available with a 347V supply.

### FIXTURE LENGTHS

Available in 1" increments. Contact the factory for details.

### ESTIMATED L70 @25°C (77°F)

> 165,000 hrs @ 2000 lumens/ft (6000 lumens/m)

### APPROVALS

Damp Rated.

### DESIGN

US Design Patent Pending.

**5 DESIGN OPTIONS**

**FIXTURE FINISH**



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

**6 HOW TO ORDER**

**1. LUMINAIRE**

TLCW1W Direct                      TLCW2W Direct/Indirect

One power cord every 50 linear ft.

**2. LENGTH OF RUN**

Minimum length to order is 4' and orders to be in 2' increments.

Example: 4' = SFA0400, 10' = SFA1000, 50' = SFA5000

For runs over 50' 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 40' run is required and SL12 (12') is selected, we would provide 4 10' 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

DD1 Asymmetric	DD4 Comfort
----------------	-------------

#### 10. INDIRECT LENS

UD0 Not required	UD2 Opal	UD3 Asymmetric <sup>1</sup>
------------------	----------	-----------------------------

<sup>1</sup> Available up to 1200 lm/ft. The asymmetric distribution will be directed away from the wall.

#### 11. INDIRECT 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 of duct work in loft style applications.

## 12. VOLTAGE

**V1** 120/277V

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

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

**V4** Low Voltage <sup>3</sup>

<sup>1</sup> Not available in North America. <sup>2</sup> Only available with DA01 dimming. <sup>3</sup> Only available with DA45 dimming.

## 13. DIMMING

**DA01** 0–10V Dimming 1.0%

**DA02** 0–10V Dimming 0.1% <sup>1</sup>

**DA20** DALI Dimming 0.1% <sup>1</sup>

**DA21** DALI Dimming 1.0% <sup>1</sup>

**DA30** DSI/switchDim <sup>2</sup>

**DA45** 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. 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.

## 15. 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 time of ordering to determine the required number and location of the emergency sections or generator circuits. Not available in 347V.

## 16. CIRCUITS

**CS1** Single circuit

**CS2** Dual circuit <sup>1</sup>

## 17. SENSORS

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

**7 TECHNICAL DATA**

**LUMINAIRE**

One power cord every 50 linear ft.

**Code**                    **TLCW1W**                    **TLCW2W**  
**Light Direction**

**8 PERFORMANCE DATA**

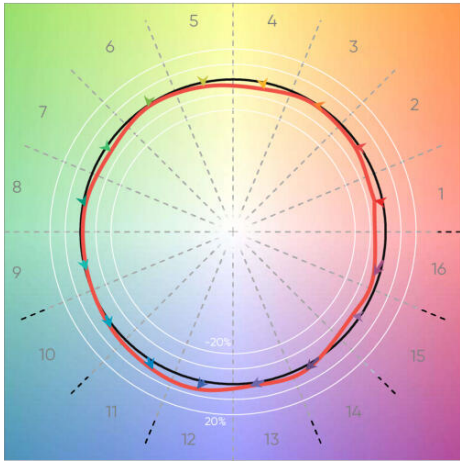
DIRECT COMFORT (DD4)	LUMEN/FT	WATT/FT	LPW	DIRECT BATWING (DD2)	LUMEN/FT	WATT/FT	LPW
	1400	13	103		1400	13	108
	1200	11	106		1200	11	112
	1000	9	109		1000	9	115
	800	7	112		800	7	118
	600	5	115		600	5	121
	400	3	119		400	3	124
	200	2	120		200	2	129

DIRECT ASYMMETRIC (DD1)	LUMEN/FT	WATT/FT	LPW	INDIRECT BATWING (UD1)	LUMEN/FT	WATT/FT	LPW
	1400	13	112		1650	13	132
	1200	11	115		1400	10	137
	1000	9	118		1200	9	140
	800	7	121		1000	7	144
	600	5	125		800	6	146
	400	3	128		600	4	150
	200	2	133		400	3	153
					200	1	153

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

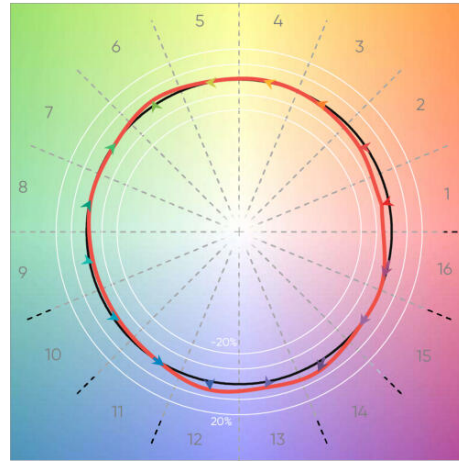
9 TM-30 DATA

**CCT 2700K**



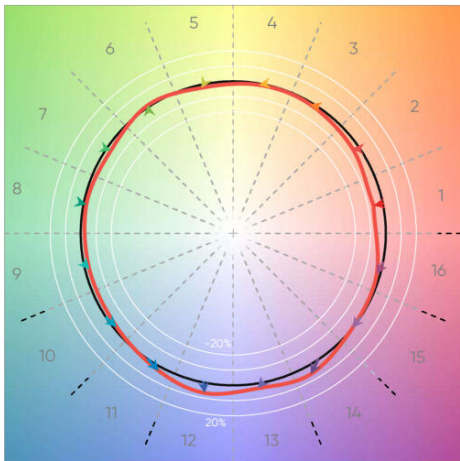
<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	61
<b>TM30(Rf)</b>	91
<b>TM30(Rg)</b>	98
<b>Duv</b>	-0.0022

**CCT 3000K**



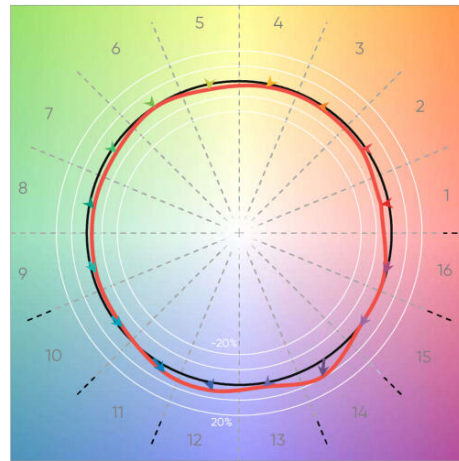
<b>CRI(Ra)</b>	92
<b>CRI(R9)</b>	58
<b>TM30(Rf)</b>	92
<b>TM30(Rg)</b>	100
<b>Duv</b>	-0.0003

**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

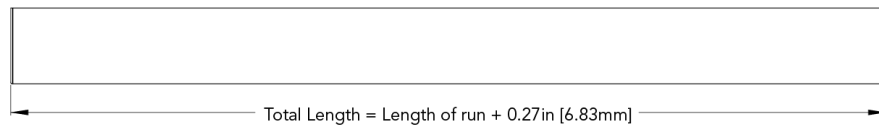
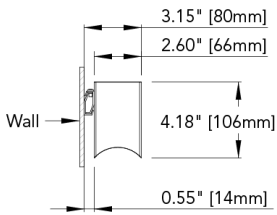
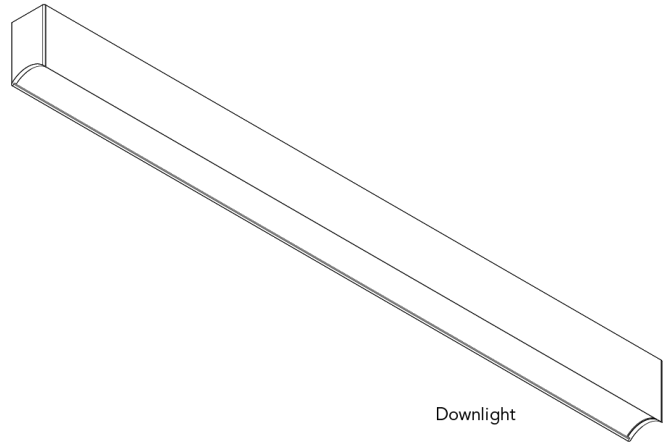
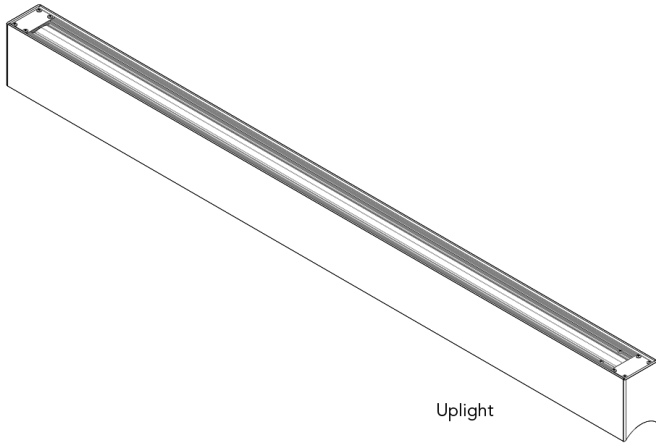
**CCT 4000K**



<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

Isometric Views



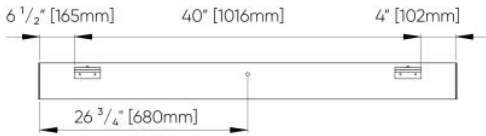
Top View [Uplight]



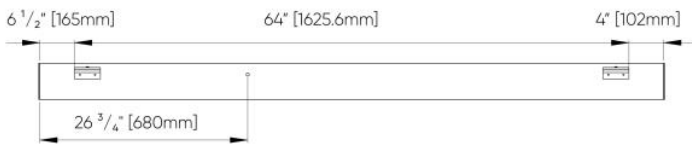
Bottom View [Downlight]

## WALL MOUNT CONFIGURATIONS

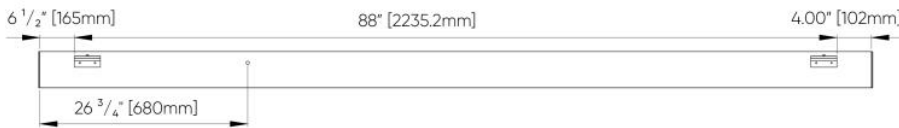
### 4FT



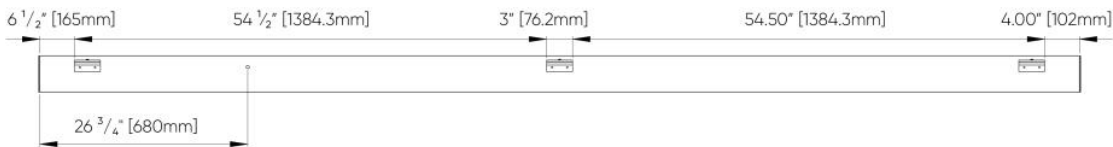
### 6FT



### 8FT



### 10FT



### 12FT

