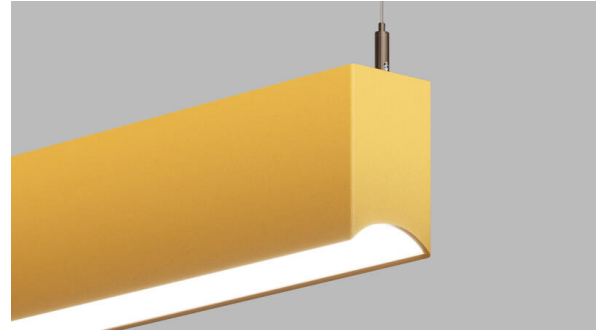




# TUNNEL™

## FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE

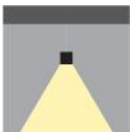


QUANTITIES

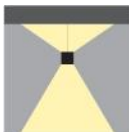
### 1 DESCRIPTION

**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



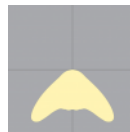
Suspended Direct



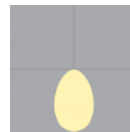
Suspended Direct/Indirect



Direct DD1



Direct DD2



Direct DD4



Indirect UD1



Indirect UD3



Bios



Declare



PoE



Tunable White

### 3 APPROVALS



4 GENERAL SPECIFICATION

**BODY**

Aluminum.

**SUSPENSION**

Steel cables.

**DRIVERS**

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

**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.

**MECHANICAL**

Luminaires mount directly over J box (by others).

**REPORTED L70 @25°C (77°F)**

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

**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.

**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.

**POWER CABLE**

Silver braided.

**LENS**

Opal acrylic. 2.4" width

**BIOS**

For circadian lighting, consult factory.

**RGBW**

RGBW available, consult factory.

**FIXTURE LENGTHS**

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

**ESTIMATED L70 @25°C (77°F)**

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

**SENSORS**

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

**APPROVALS**

Damp Rated.

**DESIGN**

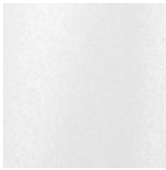
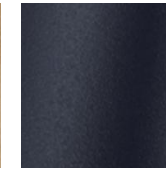


US Design Patent Pending.

**SUSTAINABILITY**

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

**5 DESIGN OPTIONS**

**FIXTURE FINISH**

							
White - Textured	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**

**TLCP1P** Direct                      **TLCP2P** Direct/Indirect

All data shown at max values based on diffused light diffuser. Consult Performance Data download page for more detail.  
One power cord for every 50 linear feet.

**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

<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>DD1</b> Asymmetric <sup>1</sup>	<b>DD2</b> Batwing	<b>DD4</b> Comfort
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<sup>1</sup> When standing at the end view of the profile on the side where the power cord is installed, the asymmetric beam will aim to the right.

## 10. INDIRECT LENS

<b>UD0</b> Not required	<b>UD1</b> Clear (Batwing distribution)	<b>UD3</b> Asymmetric <sup>1</sup>
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<sup>1</sup> Available up to 1200 lm/ft.

## 11. INDIRECT BLACKOUT PLATE

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

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

## 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>

The cost for the canopies, power cables, connections mechanisms and endcaps for the fixture has been added to these items.

<sup>1</sup> Combo kit provided 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

## 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                              **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 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>

## 20. SENSORS

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

**7 TECHNICAL DATA**

**LUMINAIRE**

All data shown at max values based on diffused light diffuser. Consult Performance Data download page for more detail.  
One power cord for every 50 linear feet.

<b>Code</b>	<b>TLCPI1P</b>	<b>TLCPI2P</b>
<b>Light Direction</b>	Direct	Direct/Indirect

**8 PERFORMANCE DATA**

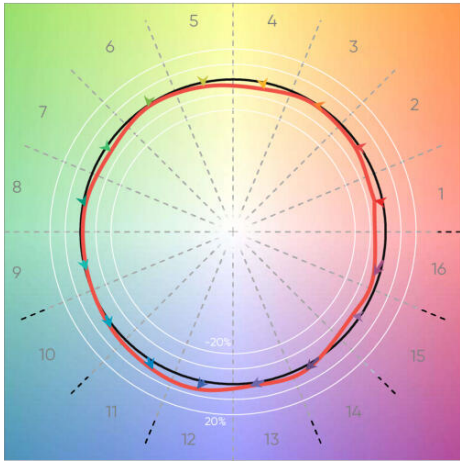
DIRECT COMFORT (DD4)	LUMEN/FT	WATT/FT	LPW	DIRECT BATWING (DD2)	LUMEN/FT	WATT/FT	LPW
	1400	13	103		1400	13	108
	1200	11	106		1200	11	112
	1000	9	109		1000	9	115
	800	7	112		800	7	118
	600	5	115		600	5	121
	400	3	119		400	3	124
	200	2	120		200	2	129

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

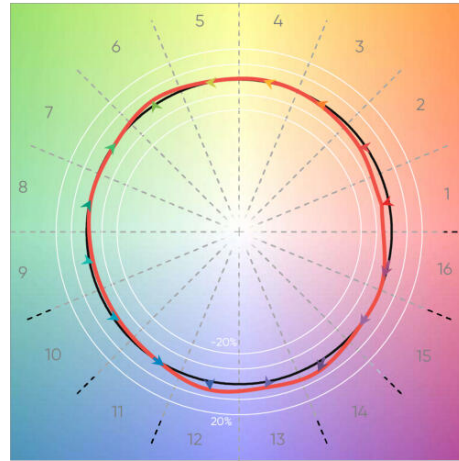
9 TM-30 DATA

**CCT 2700K**



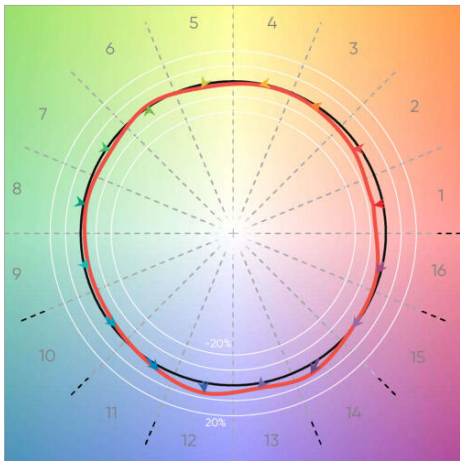
<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	61
<b>TM30(Rf)</b>	91
<b>TM30(Rg)</b>	98
<b>Duv</b>	-0.0022

**CCT 3000K**



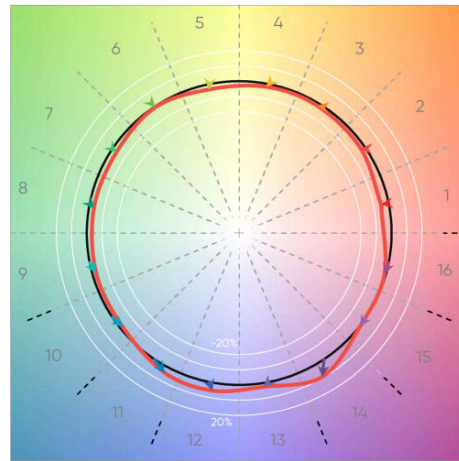
<b>CRI(Ra)</b>	92
<b>CRI(R9)</b>	58
<b>TM30(Rf)</b>	92
<b>TM30(Rg)</b>	100
<b>Duv</b>	-0.0003

**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

