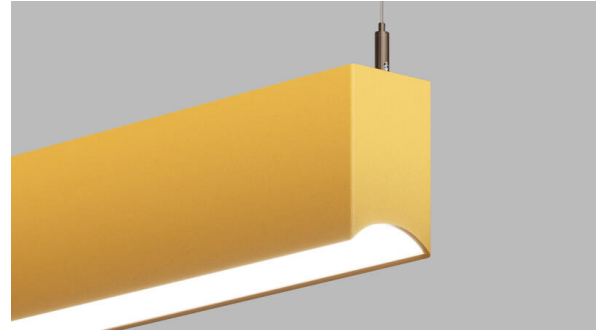




# TUNNEL™

## 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**

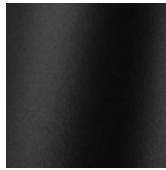



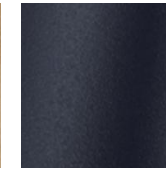
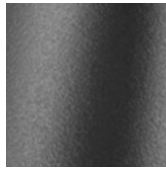
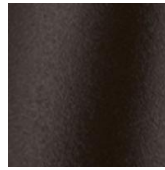


US Design Patent Pending.

**SUSTAINABILITY**

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


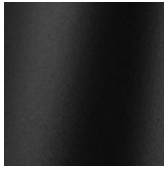



**5 DESIGN OPTIONS**

**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.

Code	TLCPI1P	TLCPI2P
Light Direction	Direct	Direct/Indirect

**8 PERFORMANCE DATA**

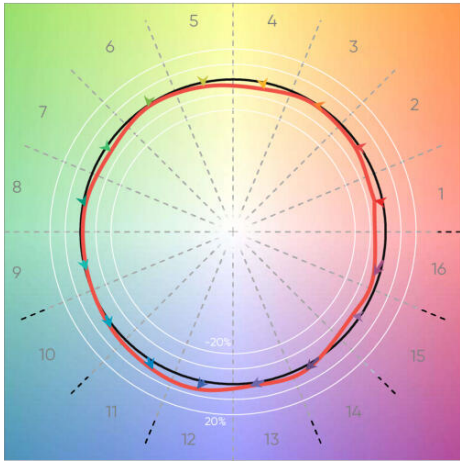
DIRECT COMFORT (DD4)	LUMEN/FT	WATT/FT	LPW	DIRECT BATWING (DD2)	LUMEN/FT	WATT/FT	LPW
	1400	13	103		1400	13	108
	1200	11	106		1200	11	112
	1000	9	109		1000	9	115
	800	7	112		800	7	118
	600	5	115		600	5	121
	400	3	119		400	3	124
	200	2	120		200	2	129

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

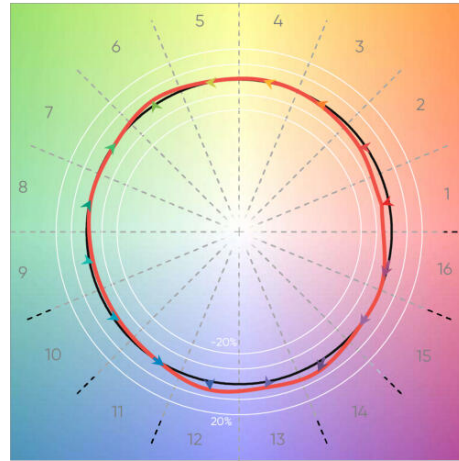
9 TM-30 DATA

**CCT 2700K**



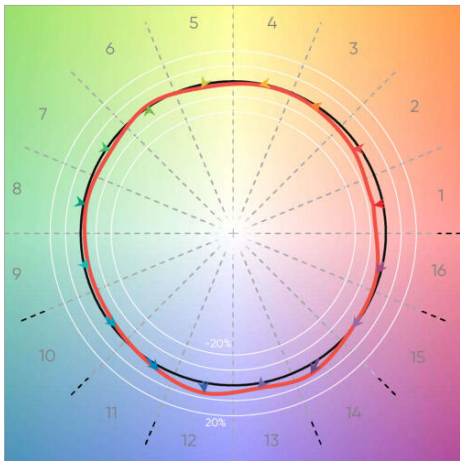
<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	61
<b>TM30(Rf)</b>	91
<b>TM30(Rg)</b>	98
<b>Duv</b>	-0.0022

**CCT 3000K**



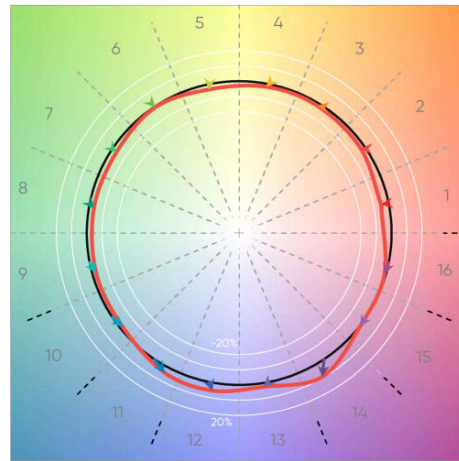
<b>CRI(Ra)</b>	92
<b>CRI(R9)</b>	58
<b>TM30(Rf)</b>	92
<b>TM30(Rg)</b>	100
<b>Duv</b>	-0.0003

**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

