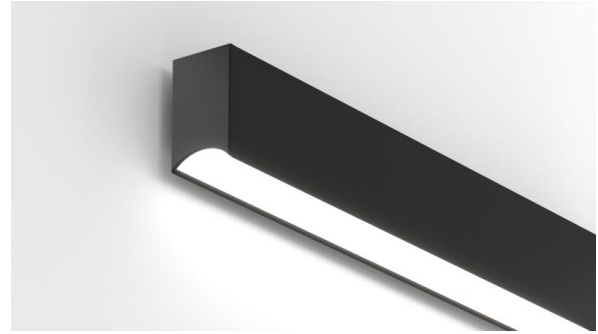




# TUNNEL™

## FULL SPECIFICATION SHEET



Fixture Type

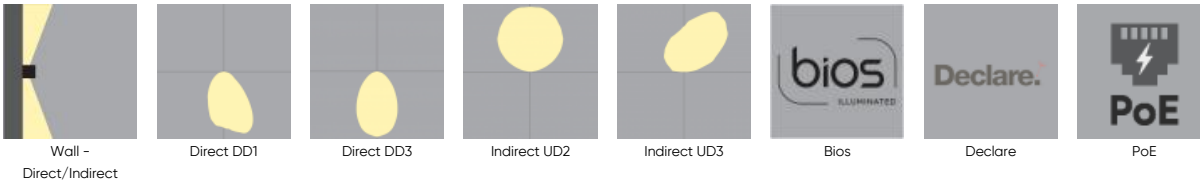
Fixture Code

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 the typical levels of output and efficacy, and delivers on specification capabilities. Alternatives are provided for nearly every component, allowing designers to configure a luminaire designed precisely to the needs of the space. **TUNNEL's** luxurious finishes and smooth lines create a stylish luminaire that doesn't compromise on performance.

### 2 MOUNTING & OPTICS



### 3 APPROVALS



### 4 GENERAL SPECIFICATION

#### BODY

Aluminum.

#### FINISH

Powder coated.

#### MECHANICAL

Luminaires mount directly over J box (by others).

#### DIFFUSER

Opal acrylic. 2.4" width

#### **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.

#### **ESTIMATED L70 @25°C (77°F)**

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

#### **APPROVALS**

Damp Rated.

#### **DESIGN**

US Design Patent Pending.

#### **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.

#### **REPORTED L70 @25°C (77°F)**

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

#### **DELIVERED LUMENS**

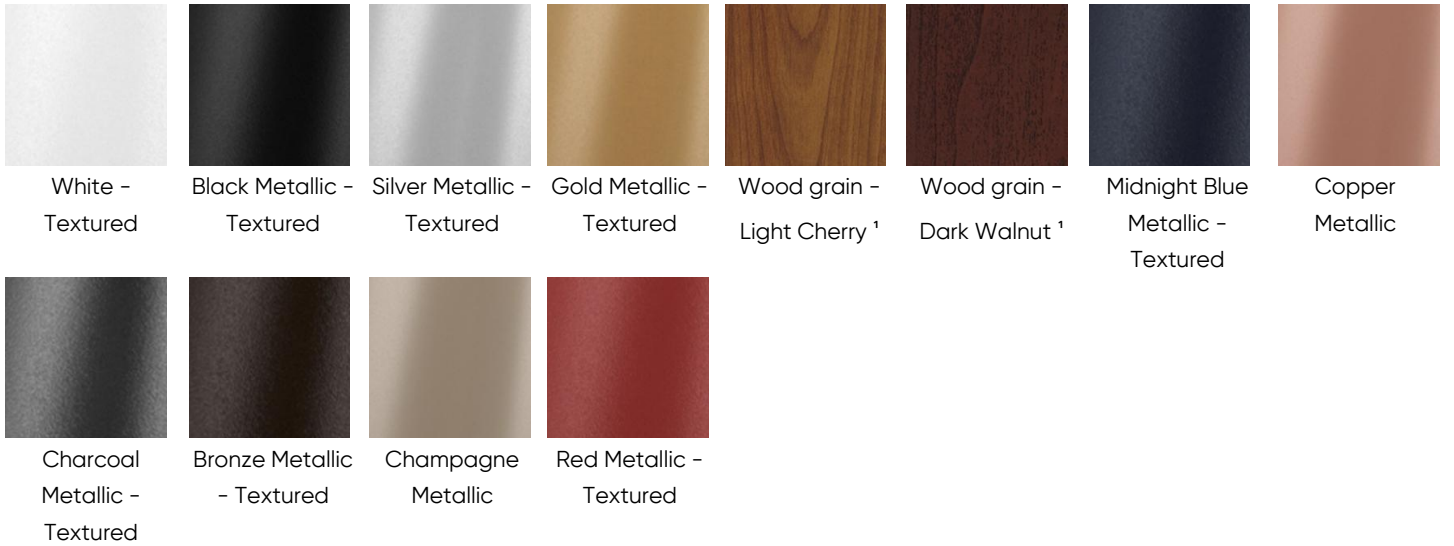
Delivered lumens & LPW based on 4000K CRI 80+

#### **DESIGNED BY**

Serge Cornelissen.

**5 DESIGN OPTIONS**

**FIXTURE FINISH**



<sup>1</sup> Longer than normal lead times may apply, consult factory.

**6 HOW TO ORDER**

**A. LUMINAIRE**

TLCW1W Direct                      TLCW2W Direct/Indirect

One power cord every 50 linear ft.

**B. LENGTH OF RUN**

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.

**C. MAX LENGTH PER SECTION**

<b>SL04</b> 4ft	<b>SL06</b> 6ft	<b>SL08</b> 8ft	<b>SL10</b> 10ft
<b>SL12</b> 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.

**D. LM/FT (DIRECT)**

<b>LPF020</b> 200 lm/ft	<b>LPF040</b> 400 lm/ft	<b>LPF060</b> 600 lm/ft	<b>LPF080</b> 800 lm/ft
<b>LPF100</b> 1000 lm/ft	<b>LPF120</b> 1200 lm/ft	<b>LPF140</b> 1400 lm/ft	

**E. LM/FT (INDIRECT)**

<b>LPG000</b> Not required	<b>LPG020</b> 200 lm/ft	<b>LPG040</b> 400 lm/ft	<b>LPG060</b> 600 lm/ft
<b>LPG080</b> 800 lm/ft	<b>LPG100</b> 1000 lm/ft	<b>LPG120</b> 1200 lm/ft	<b>LPG140</b> 1400 lm/ft
<b>LPG165</b> 1650 lm/ft			

**F. CRI**

<b>CR80</b> CRI 80+	<b>CR90</b> CRI 90+
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**G. CCT DIRECT**

<b>CTA27</b> 2700K	<b>CTA30</b> 3000K	<b>CTA35</b> 3500K	<b>CTA40</b> 4000K
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**H. CCT INDIRECT**

<b>CTB00</b> Not required	<b>CTB27</b> 2700K	<b>CTB30</b> 3000K	<b>CTB35</b> 3500K
<b>CTB40</b> 4000K			

**I. DIRECT DIFFUSER**

<b>DD1</b> Asymmetric diffuser	<b>DD3</b> Diffused light diffuser <sup>1</sup>	<b>DD4</b> Comfort diffuser <sup>2</sup>
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<sup>1</sup> High output diffuser, all data shown based on this diffuser.

<sup>2</sup> 10% reduction from DD3. The comfort lens provides better control and softer distribution.

**J. UPLIGHT DIFFUSER**

<b>UD0</b> Not required	<b>UD2</b> Opal diffuser	<b>UD3</b> Asymmetric diffuser <sup>1</sup>
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<sup>1</sup> Available up to 1200 lm/ft. The asymmetric distribution will be directed away from the wall.

**K. 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 of duct work in loft style applications.

**L. 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.

**M. 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.

**N. 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>                      **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> Longer than normal lead times may apply, consult factory.

**O. EMERGENCY**

**E0** Not required

**E1** Emergency system – Integral <sup>1</sup> **E3** Emergency generated circuit <sup>1</sup>

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<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.

**P. CIRCUITS**

**CS1** Single circuit

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

**Q. SENSORS**

**7 TECHNICAL DATA**

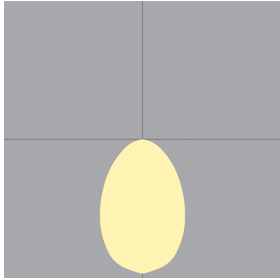
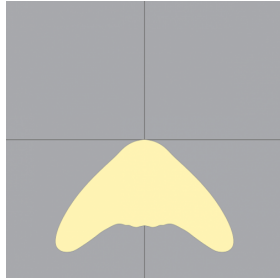
**LUMINAIRE**

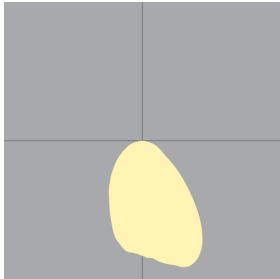
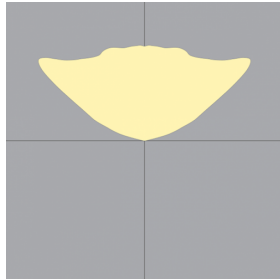
One power cord every 50 linear ft.

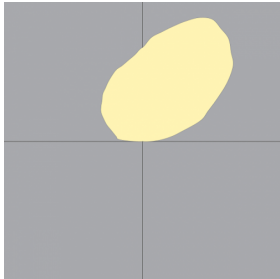
<b>Code</b>	<b>TLCW1W</b>	<b>TLCW2W</b>
<b>Light Direction</b>		

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**8** PERFORMANCE DATA

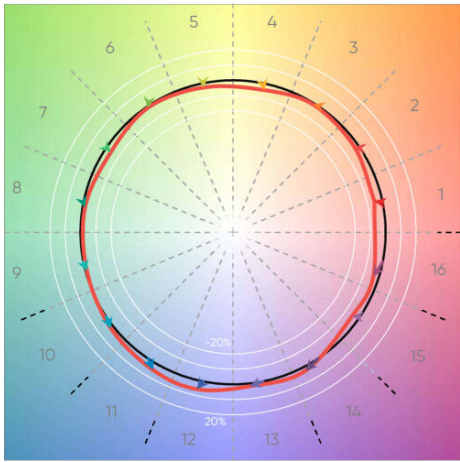
DIRECT DIFFUSED (DD3)	LUMEN/FT	WATT/FT	LPW	DIRECT BATWING (DD2)	LUMEN/FT	WATT/FT	LPW
	1400	13	115		1400	13	108
	1200	11	118		1200	11	112
	1000	9	121		1000	9	115
	800	7	124		800	7	118
	600	5	128		600	5	121
	400	3	132		400	3	124
	200	2	134		200	2	129

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

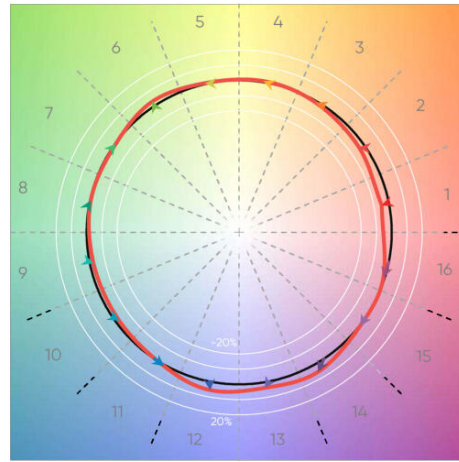
9 TM-30 DATA

**CCT 2700K**



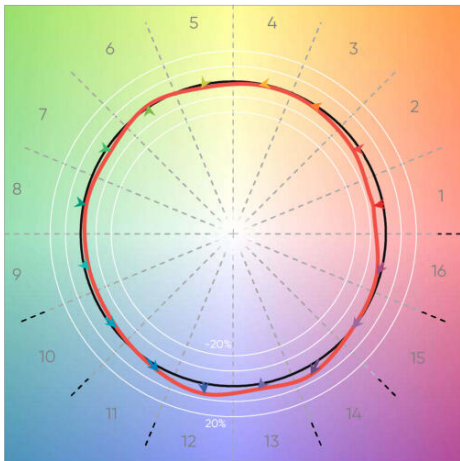
<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	61
<b>TM30(Rf)</b>	91
<b>TM30(Rg)</b>	98
<b>Duv</b>	-0.0022

**CCT 3000K**



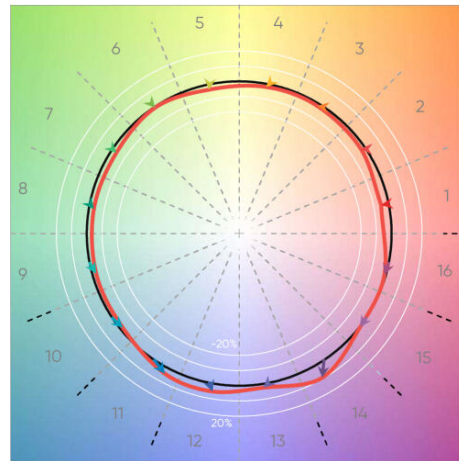
<b>CRI(Ra)</b>	92
<b>CRI(R9)</b>	58
<b>TM30(Rf)</b>	92
<b>TM30(Rg)</b>	100
<b>Duv</b>	-0.0003

**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**

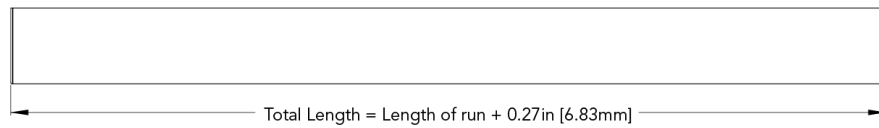
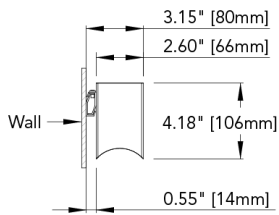
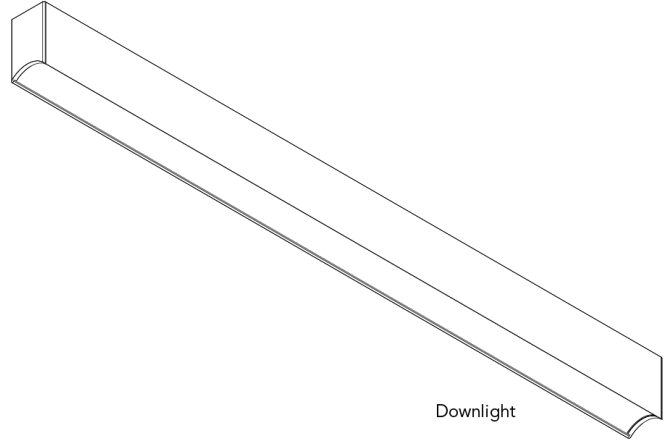
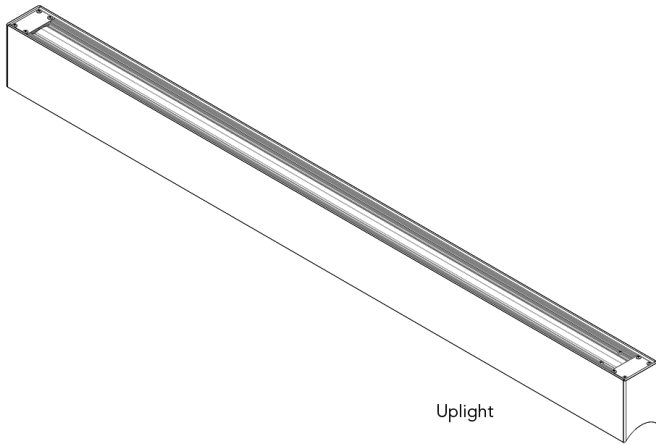


<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	64
<b>TM30(Rf)</b>	90
<b>TM30(Rg)</b>	98
<b>Duv</b>	0.0000



10 DIMENSIONAL DIAGRAMS

Isometric Views



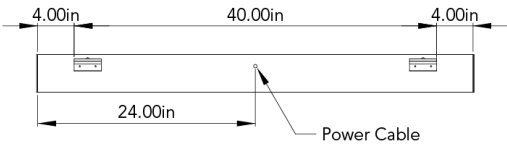
Top View [Uplight]



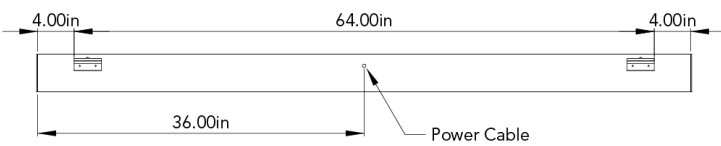
Bottom View [Downlight]

Wall Mount Configurations

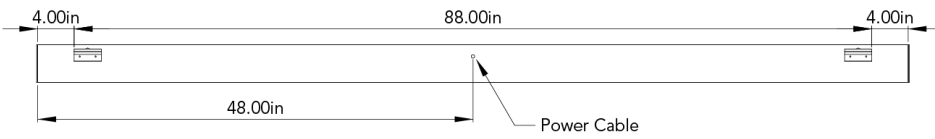
**4FT**



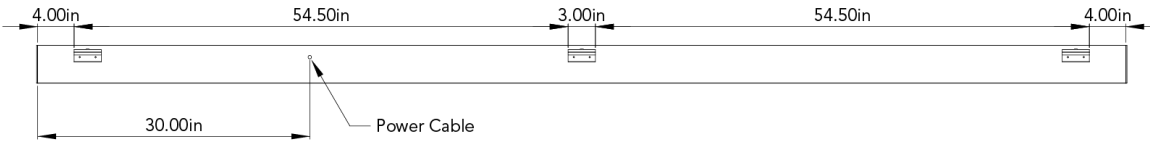
**6FT**



**8FT**



**10FT**



**12FT**

