

# TUNNEL™ - CONTINUOUS RECESSED

Project Name:

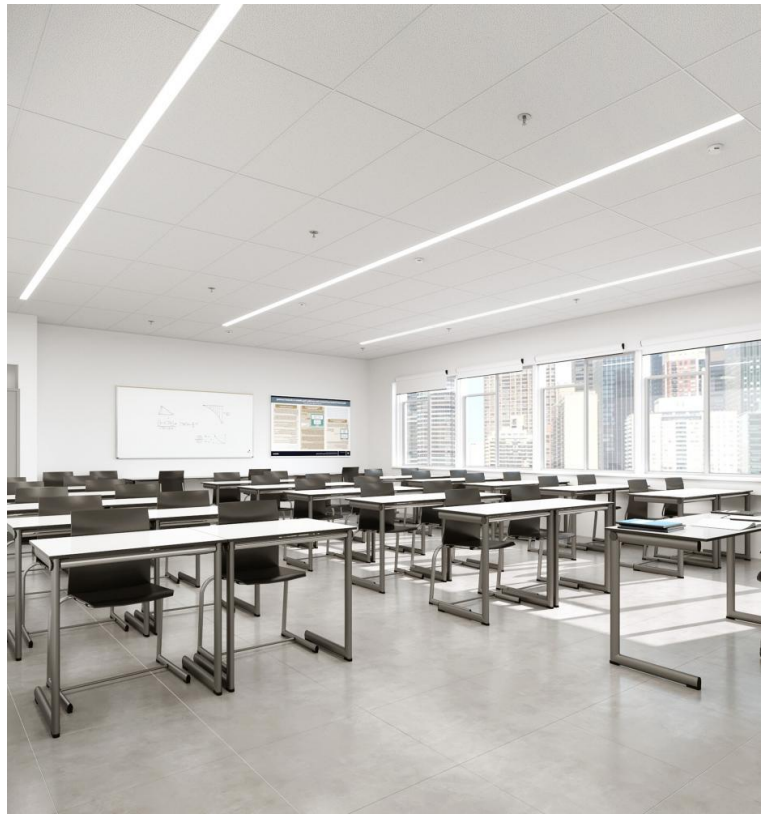
Fixture Type:

Fixture Code:

Quantities:



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**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.

## GENERAL SPECIFICATION

### Body

Aluminum.

### Finish

Powder coated.

### Drivers

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

### Diffuser

Opal acrylic.

### PoE

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

### BIOS

For circadian lighting, consult factory.

### Mechanical

Luminaires mount directly over J box (by others).

### Tunable White

Tunable white available, 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).

### Reported L70 @25°C (77°F)

> 60,000 hrs @ 1400 lumens/ft (4600 lumens/m)

### Estimated L70 @25°C (77°F)

> 165,000 hrs @ 1400 lumens/ft (4600 lumens/m)

### Delivered lumens

Delivered lumens & LPW based on 4000K CRI 80+

### Approvals

Damp Rated.

### Designed by

Seeerge Cornelissen.

### Design

US Design Patent Pending.

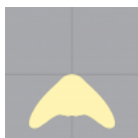
## MOUNTING & OPTICS



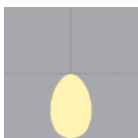
Recessed



Direct DD1



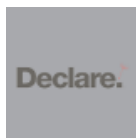
Direct DD2



Direct DD3



Bios



Declare



PoE



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## HOW TO ORDER

### A. LUMINAIRE

**TLCR1R** Direct

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. LENGTH OF RUN

**SFG** \_ \_ \_ \_

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

Example: 4ft = SFG0400

Example: 10ft = SFG1000

Example: 50ft = SFG5000

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

<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. CRI

<b>CR80</b> CRI 80+	<b>CR90</b> CRI 90+
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### F. CCT

<b>CTA30</b> 3000K	<b>CTA35</b> 3500K	<b>CTA40</b> 4000K
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### G. DIFFUSER

<b>DD1</b> Asymmetric diffuser <sup>1</sup>	<b>DD2</b> Batwing diffuser <sup>1</sup>	<b>DD3</b> Diffused light diffuser <sup>2</sup>	<b>DD4</b> Comfort diffuser <sup>3</sup>
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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.

<sup>2</sup> High output diffuser, all data shown based on this diffuser.

<sup>3</sup> 10% reduction from DD3. The comfort lens provides better control and softer distribution.

### H. 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.

<sup>3</sup> Only available with DA45 dimming.

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## I. DIMMING

**DA01** 0-10V Dimming 1.0%  
**DA30** DSI/switchDim <sup>2</sup>

**DA02** 0-10V Dimming 0.1% <sup>1</sup>  
**DA45** PoE <sup>3</sup>

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

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

<sup>1</sup> Not available with V3.

<sup>2</sup> Not available in North America.

<sup>3</sup> Only available with V4.

## J. CEILING TYPE & TRIM

**RT1** Tegular ceiling <sup>1</sup>

**RT2** T-Bar ceiling <sup>2</sup>

**RT3** Trimless <sup>3</sup>

**RT4** Trim <sup>3</sup>

<sup>1</sup> Fixture designed to fit into a 9/16" or 15/16" standard tegular grid T-bar and through tile mount. Dimensions are nominal for grid ceiling fixtures. All fixture metalwork is white.

<sup>2</sup> Fixture designed to fit into a 9/16" or 15/16" standard grid T-bar and through tile mount. Dimensions are nominal for grid ceiling fixtures. All fixture metalwork is white.

<sup>3</sup> Fixture designed for drywall ceilings. All fixture metalwork is white.

## K. EMERGENCY

**E0** Not required

**E1** Emergency system - Integral

**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.

## L. CHICAGO PLENUM

**CPO** Not required

**CP1** Chicago Plenum



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## 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** TLCR1R

**Light Direction** Direct

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## APPROVALS



DAMP  
LOCATION



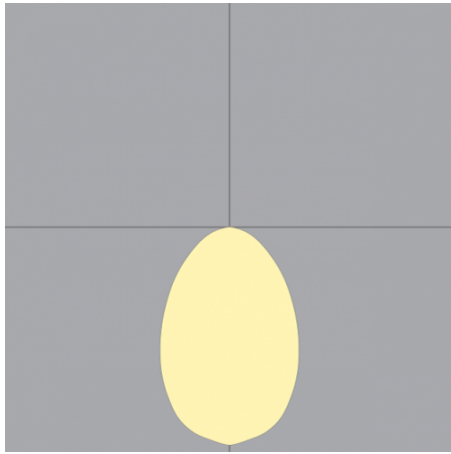
IP20



# TUNNEL™ - CONTINUOUS RECESSED

## PERFORMANCE DATA

### DIRECT DIFFUSED (DD3)



### LUMEN/FT

1400  
1200  
1000  
800  
600  
400  
200

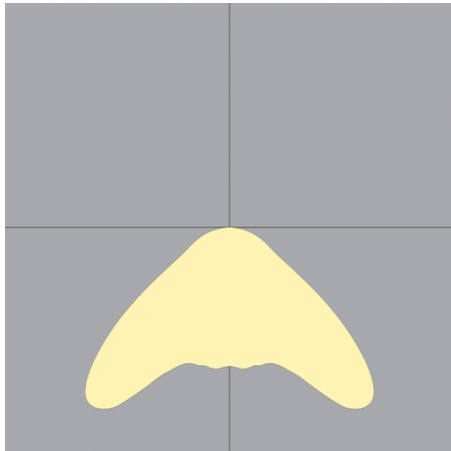
### WATT/FT

13  
11  
9  
7  
5  
3  
2

### LPW

115  
118  
121  
124  
128  
132  
134

### DIRECT BATWING (DD2)



### LUMEN/FT

1400  
1200  
1000  
800  
600  
400  
200

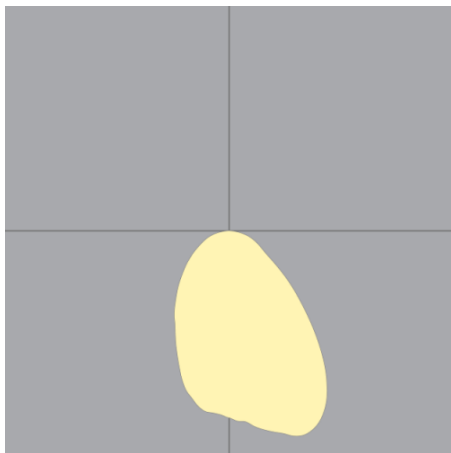
### WATT/FT

13  
11  
9  
7  
5  
3  
2

### LPW

105  
112  
115  
118  
121  
124  
129

### DIRECT ASYMMETRIC (DD1)



### LUMEN/FT

1400  
1200  
1000  
800  
600  
400  
200

### WATT/FT

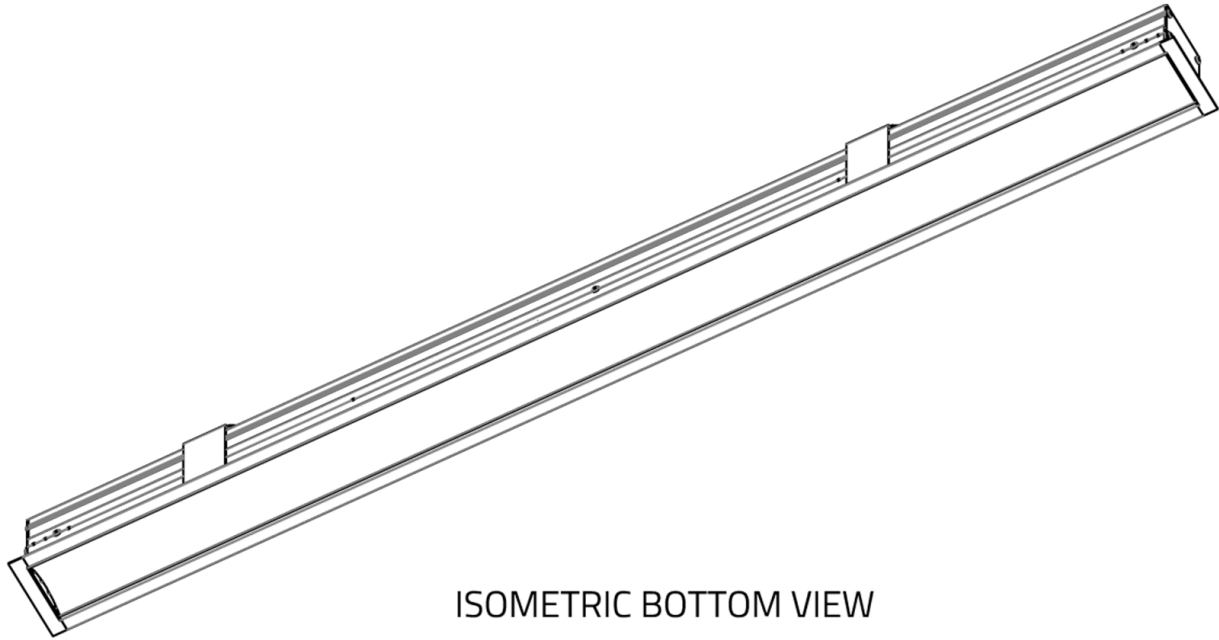
13  
11  
9  
7  
5  
3  
2

### LPW

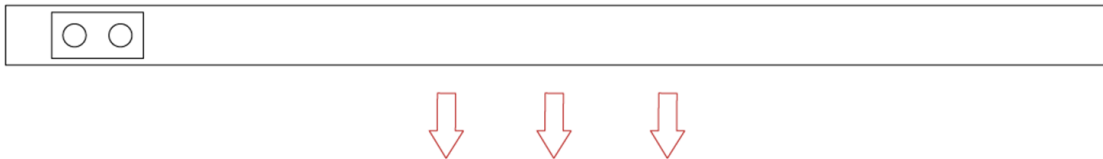
112  
115  
118  
121  
125  
128  
133

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## DIMENSIONAL DIAGRAMS



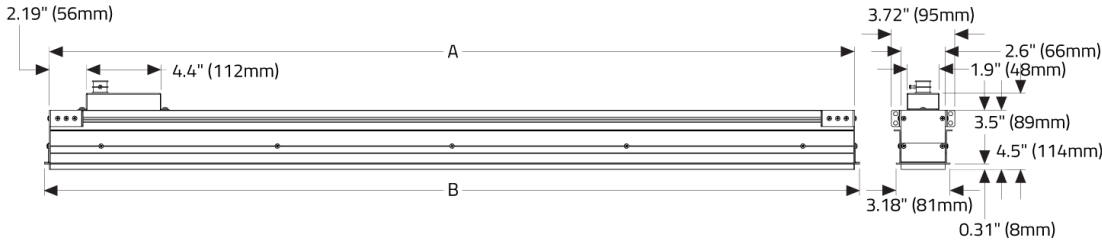
Top View  
(Asymmetric Light Direction)





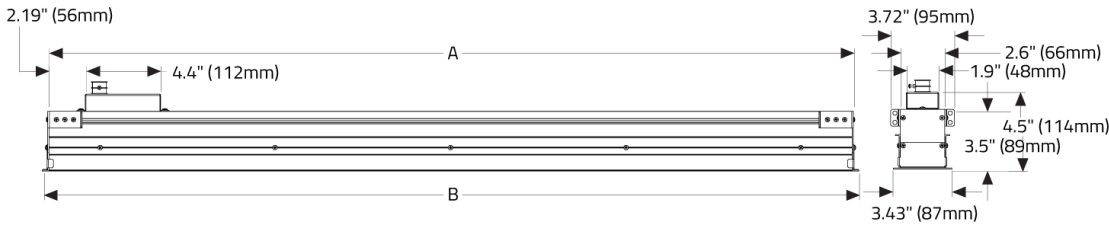
# TUNNEL™ - CONTINUOUS RECESSED

## Grid Ceiling - Tegular ceiling



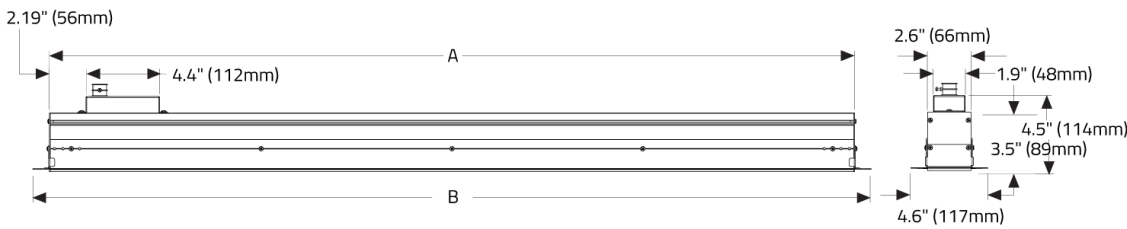
Max Length (Per section)	A	B
4ft	46.82" (1189mm)	47.7" (1212mm)
6ft	70.82" (1791mm)	71.7" (1821mm)
8ft	94.82" (2408mm)	95.7" (2431mm)
10ft	118.82" (3018mm)	119.7" (3040mm)
12ft	142.82" (3627mm)	143.7" (3650mm)

## Grid Ceiling - T-bar ceiling



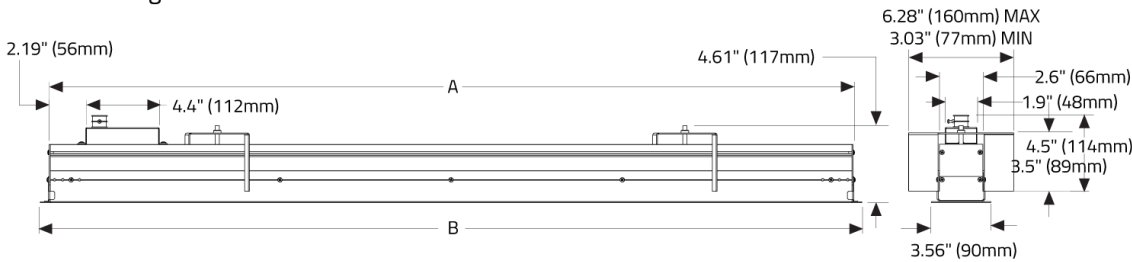
Max Length (Per section)	A	B
4ft	46.82" (1189mm)	47.7" (1212mm)
6ft	70.82" (1791mm)	71.7" (1821mm)
8ft	94.82" (2408mm)	95.7" (2431mm)
10ft	118.82" (3018mm)	119.7" (3040mm)
12ft	142.82" (3627mm)	143.7" (3650mm)

## Hard Ceiling - Trimless



Max Length (Per section)	A	B
4ft	48.1" (1222mm)	50.1" (1273mm)
6ft	72.1" (1831mm)	74.1" (1882mm)
8ft	96.1" (2431mm)	98.1" (2492mm)
10ft	120.1" (3050mm)	122.1" (3040mm)
12ft	144.1" (3660mm)	146.1" (3711mm)

## Hard Ceiling - Trim



Max Length (Per section)	A	B
4ft	48.1" (1222mm)	59.04" (1246mm)
6ft	72.1" (1831mm)	73.04" (1855mm)
8ft	96.1" (2431mm)	97.04" (2465mm)
10ft	120.1" (3050mm)	121.04" (3074mm)
12ft	144.1" (3660mm)	145.04" (3684mm)