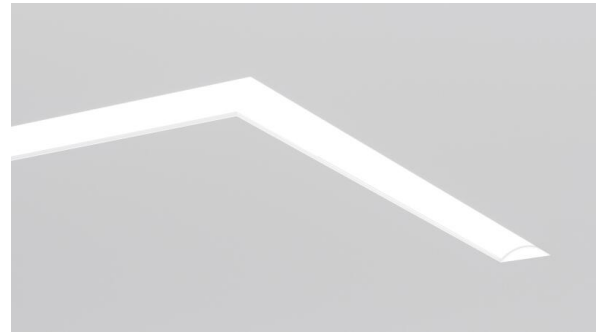




# TUNNEL™

## 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



### 3 APPROVALS



**4 GENERAL SPECIFICATION**

**BODY**

Aluminum.

**DRIVERS**

HPF electronic drivers for 120-277V, 347V (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).

**FIXTURE LENGTHS**

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

**ESTIMATED L70 @25°C (77°F)**

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

**APPROVALS**

Damp Rated.

**DESIGN**

US Design Patent Pending.

**FINISH**

Powder coated.

**LENS**

Opal acrylic. 2.4" width

**BIOS**

For circadian lighting, consult factory.

**RGBW**

RGBW 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)

**DELIVERED LUMENS**

Delivered lumens & LPW based on 4000K CRI 80+

**DESIGNED BY**

Seeerge Cornelissen.

**SUSTAINABILITY**

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

**5 HOW TO ORDER**

**1. 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.

**2. LENGTH OF RUN**

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

Example: 4' = SFG0400, 10' = SFG1000, 50' = SFG5000

For runs over 50' in length, consult factory.

SFG\_ \_ \_ \_

**3. 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 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**

<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	

**5. CRI**

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

<b>CTA27</b> 2700K	<b>CTA30</b> 3000K	<b>CTA35</b> 3500K	<b>CTA40</b> 4000K
<b>CTA60</b> Tunable White <sup>1</sup>			

<sup>1</sup> Consult factory.

## 7. LENS

**DD1** Asymmetric <sup>1</sup>                      **DD2** Batwing                      **DD4** Comfort

<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.

## 8. 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.

## 9. 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.

## 10. 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.

## 11. 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.

## 12. CHICAGO PLENUM

**CP0** Not required                      **CP1** Chicago Plenum

**6 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

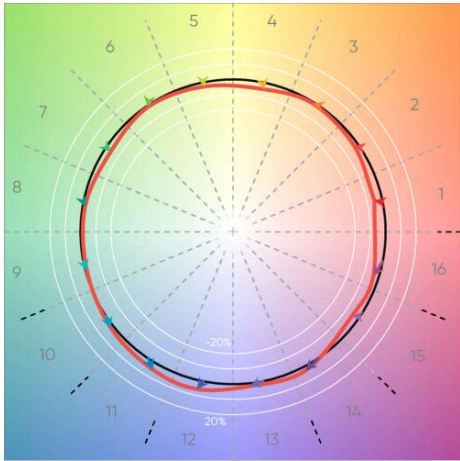
**7 PERFORMANCE DATA**

DIRECT COMFORT (DD4)	LUMEN/FT	WATT/FT	LPW	DIRECT BATWING (DD2)	LUMEN/FT	WATT/FT	LPW
	1400	13	103		1400	13	105
	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
	1400	13	112
	1200	11	115
	1000	9	118
	800	7	121
	600	5	125
	400	3	128
	200	2	133

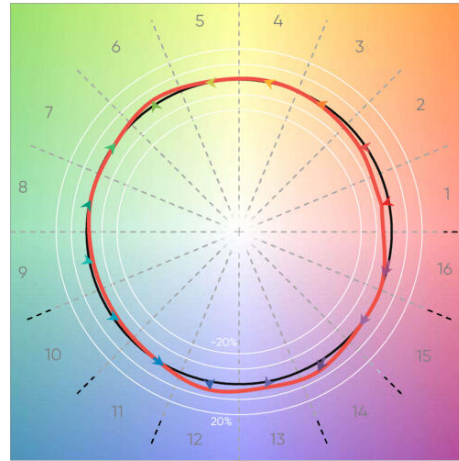
**8** TM-30 DATA

**CCT 2700K**



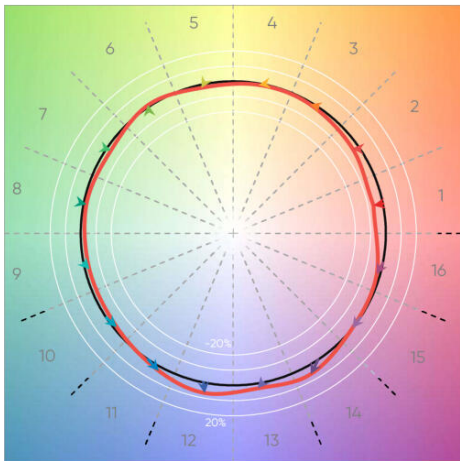
<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	61
<b>TM30(Rf)</b>	91
<b>TM30(Rg)</b>	98
<b>Duv</b>	-0.0022

**CCT 3000K**



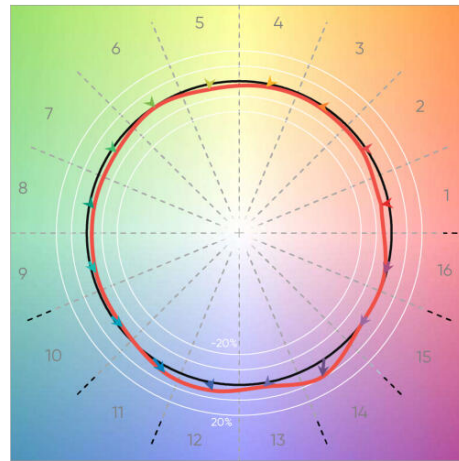
<b>CRI(Ra)</b>	92
<b>CRI(R9)</b>	58
<b>TM30(Rf)</b>	92
<b>TM30(Rg)</b>	100
<b>Duv</b>	-0.0003

**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

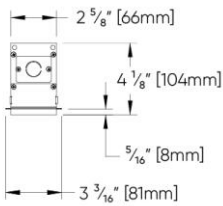
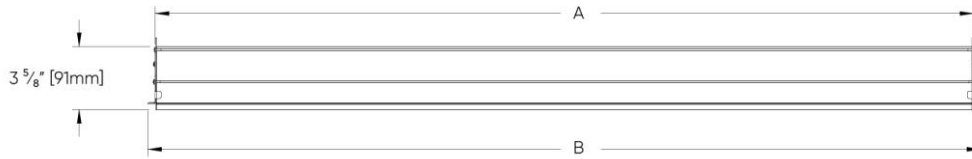
**CCT 4000K**



<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

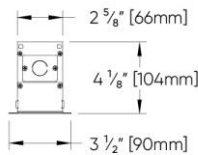
**9 DIMENSIONAL DIAGRAMS**

**Grid Ceiling - Tegular ceiling (RT1)**



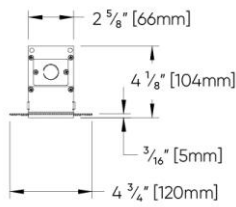
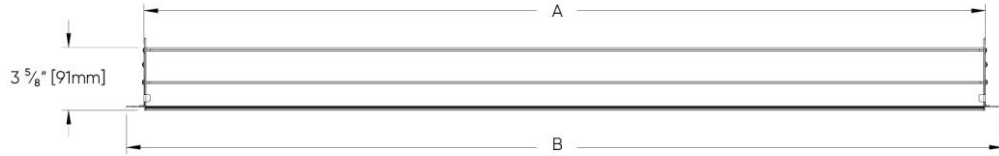
Length of run	A	B
4FT	46 7/8" [1191 mm]	47 1/16" [1212 mm]
6FT	70 7/8" [1800mm]	71 1/16" [1821mm]
8FT	94 7/8" [2409mm]	95 1/16" [2430mm]
10FT	118 7/8" [3018mm]	119 1/16" [3039mm]
12FT	142 7/8" [3627mm]	143 1/16" [3648mm]

**Grid Ceiling - T-bar ceiling (RT2)**



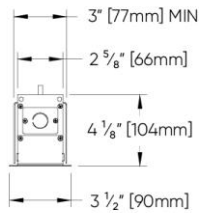
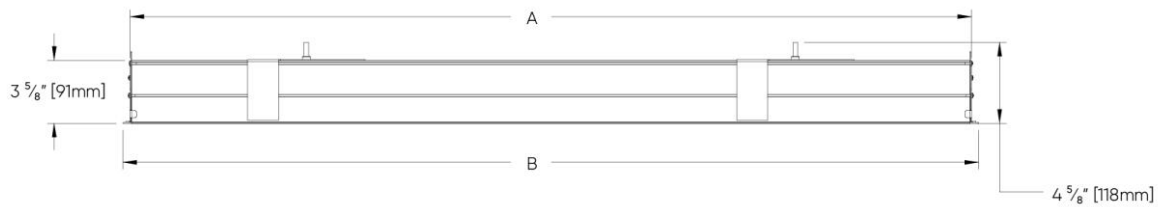
Length of run	A	B
4FT	46 7/8" [1191 mm]	47 1/16" [1212 mm]
6FT	70 7/8" [1800mm]	71 1/16" [1821mm]
8FT	94 7/8" [2409mm]	95 1/16" [2430mm]
10FT	118 7/8" [3018mm]	119 1/16" [3039mm]
12FT	142 7/8" [3627mm]	143 1/16" [3648mm]

**Hard Ceiling - Trimless (RT3)**



Length of run	A	B
4FT	48 3/16" [1224 mm]	50 3/16" [1275 mm]
6FT	72 3/16" [1833 mm]	74 3/16" [1884mm]
8FT	96 3/16" [2442mm]	98 3/16" [2493mm]
10FT	120 3/16" [3051mm]	122 3/16" [3102mm]
12FT	144 3/16" [3660mm]	146 3/16" [3711mm]

**Hard Ceiling - Trim (RT4)**



Length of run	A	B
4FT	48 3/16" [1224 mm]	49" [1245 mm]
6FT	72 3/16" [1833 mm]	73" [1854mm]
8FT	96 3/16" [2442mm]	97" [2464mm]
10FT	120 3/16" [3051mm]	121" [3173mm]
12FT	144 3/16" [3660mm]	145" [3683mm]