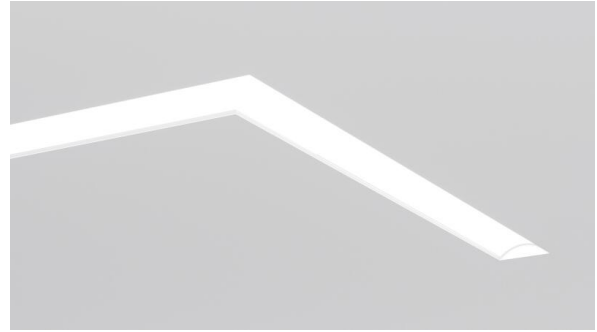




TUNNEL™

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



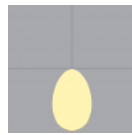
Recessed



Direct DD1



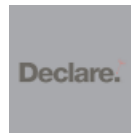
Direct DD2



Direct DD4



Bios



Declare



PoE

3 APPROVALS



4 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. 2.4" width

POE

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

BIOS

For circadian lighting, consult factory.

TUNABLE WHITE

Tunable White range from 2700K to 6500K is available; contact the factory for details.

RGBW

RGBW available, consult factory.

MECHANICAL

Luminaires mount directly over J box (by others).

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+

Estimated L70 @25°C (77°F)

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

APPROVALS

Damp Rated.

DESIGNED BY

Seerge Cornelissen.

DESIGN

US Design Patent Pending.

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 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.

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.

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 40ft run is required and SL12 (12ft) is selected, we would provide 4 10ft segments. For special requirements, please contact sales@betacalco.com.

4. LM/FT

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. CRI

CR80 CRI 80+

CR90 CRI 90+

6. CCT

CTA27 2700K

CTA30 3000K

CTA35 3500K

CTA40 4000K

7. DIFFUSER

DD1 Asymmetric diffuser ¹ **DD2** Batwing diffuser **DD4** Comfort diffuser

¹ 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 ¹ **V3** 347V ² **V4** Low Voltage ³

¹ Not available in North America.

² Only available with DA01 dimming.

³ Only available with DA45 dimming.

9. DIMMING

DA01 0–10V Dimming 1.0% **DA02** 0–10V Dimming 0.1% ¹ **DA20** DALI Dimming 0.1% ¹ **DA21** DALI Dimming 1.0% ¹
DA30 DSI/switchDim ² **DA45** PoE ³

¹ Not available with V3.

² Not available in North America.

³ Only available with V4.

10. CEILING TYPE & TRIM

RT1 Tegular ceiling ¹ **RT2** T-Bar ceiling ² **RT3** Trimless ³ **RT4** Trim ³

¹ 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.

² 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.

³ Fixture designed for drywall ceilings. All fixture metalwork is white.

11. EMERGENCY

EO Not required **E1** Emergency system – Integral ¹ **E3** Emergency generated circuit ¹

¹ 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

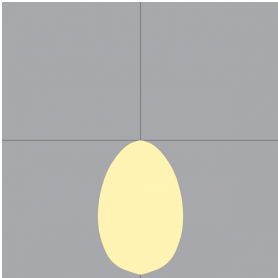
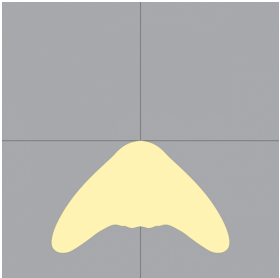
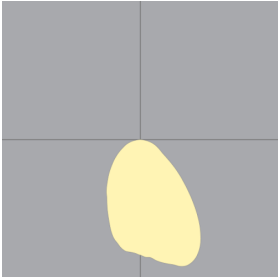
TLCR1R

Light Direction

Direct

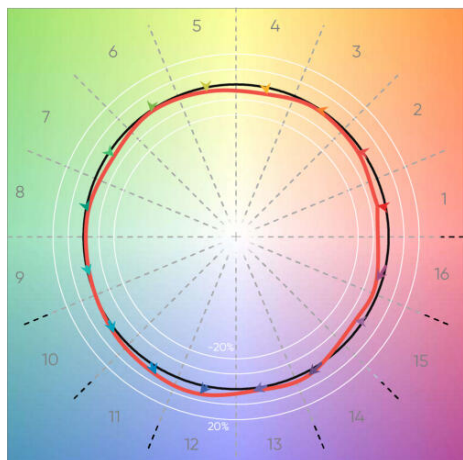
7

PERFORMANCE DATA

DIRECT COMFORT (DD4)	LUMEN/FT	WATT/FT	LPW	DIRECT BATWING (DD2)	LUMEN/FT	WATT/FT	LPW
	1400 1200 1000 800 600 400 200	13 11 9 7 5 3 2	103 106 109 112 115 119 120		1400 1200 1000 800 600 400 200	13 11 9 7 5 3 2	105 112 115 118 121 124 129
DIRECT ASYMMETRIC (DD1)	LUMEN/FT	WATT/FT	LPW				
	1400 1200 1000 800 600 400 200	13 11 9 7 5 3 2	112 115 118 121 125 128 133				

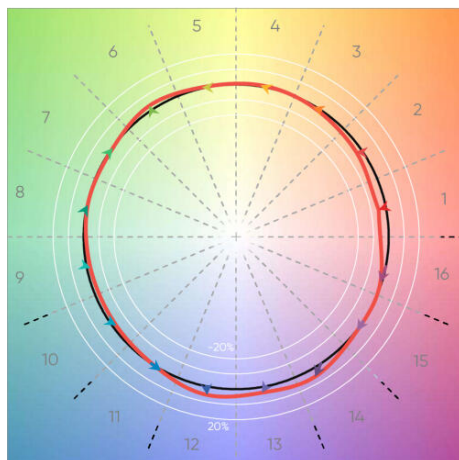
8 TM-30 DATA

CCT 2700K



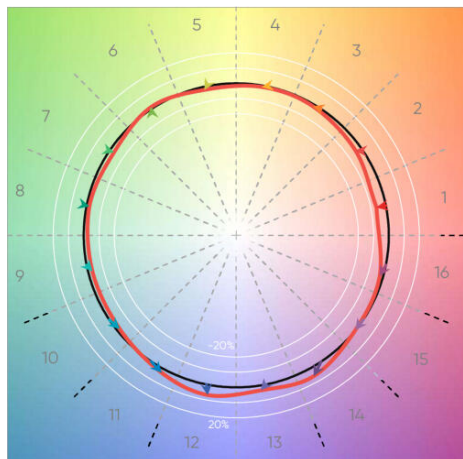
CRI(Ra)	93
CRI(R9)	61
TM30(Rf)	91
TM30(Rg)	98
Duv	-0.0022

CCT 3000K



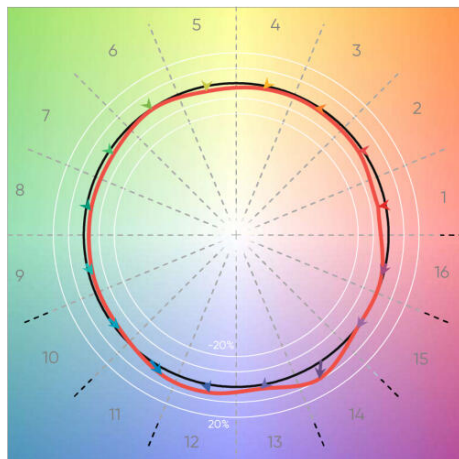
CRI(Ra)	92
CRI(R9)	58
TM30(Rf)	92
TM30(Rg)	100
Duv	-0.0003

CCT 3500K



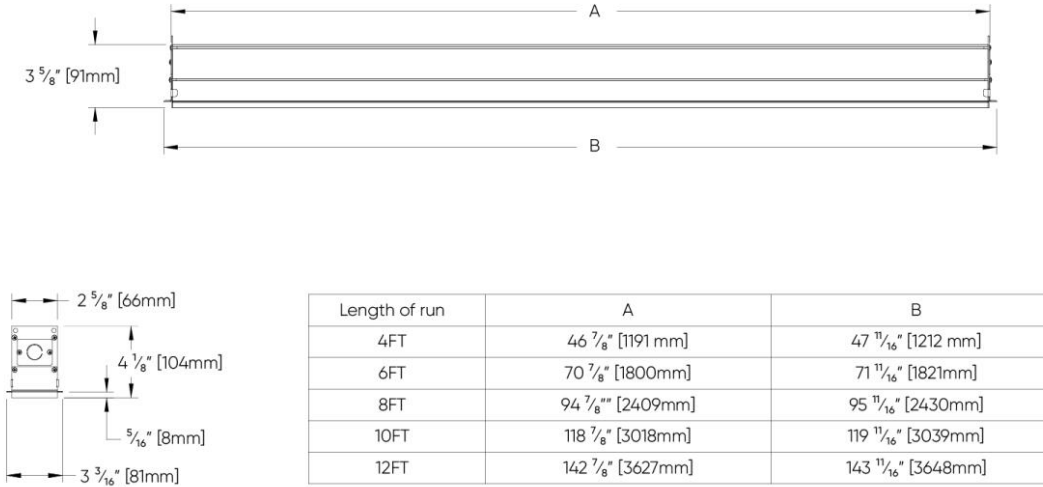
CRI(Ra)	91
CRI(R9)	53
TM30(Rf)	90
TM30(Rg)	99
Duv	-0.0007

CCT 4000K

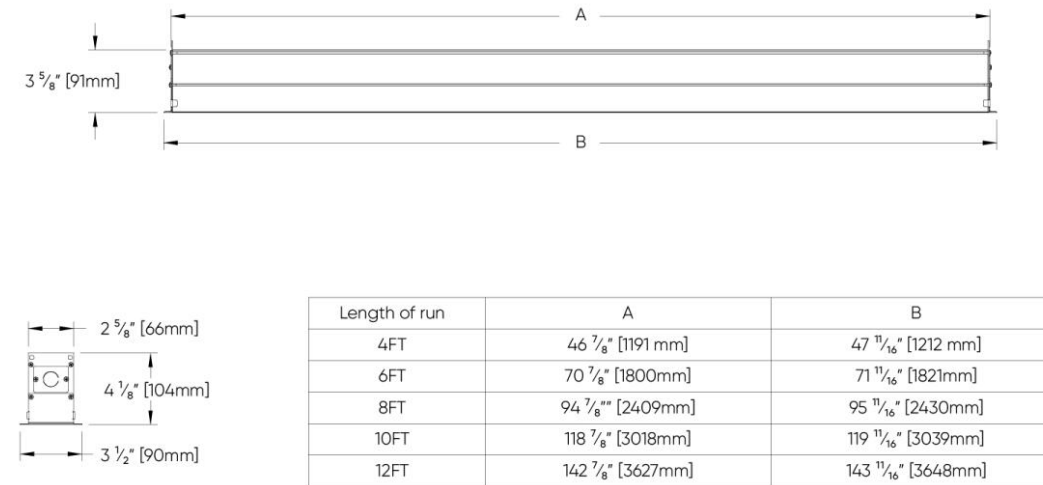


CRI(Ra)	93
CRI(R9)	64
TM30(Rf)	90
TM30(Rg)	98
Duv	0.0000

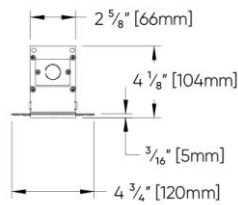
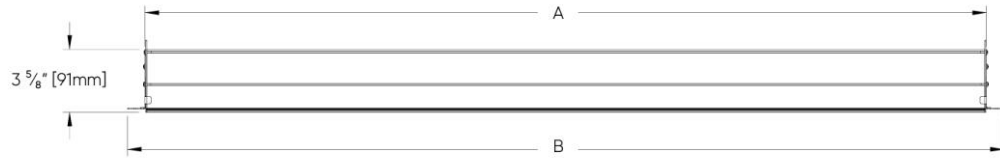
Grid Ceiling - Tegular ceiling (RT1)



Grid Ceiling - T-bar ceiling (RT2)

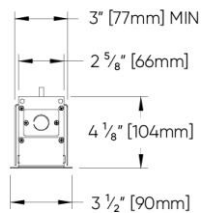
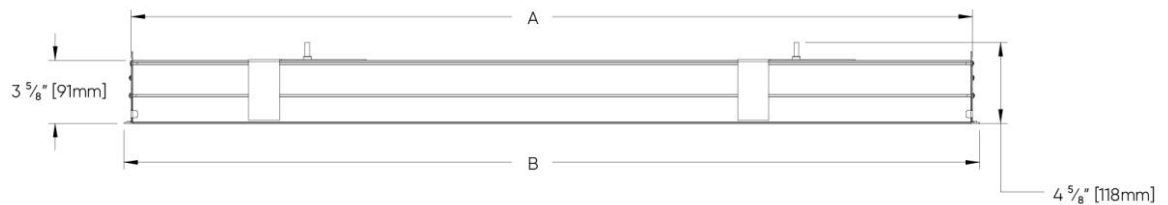


Hard Ceiling – Trimless (RT3)



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]