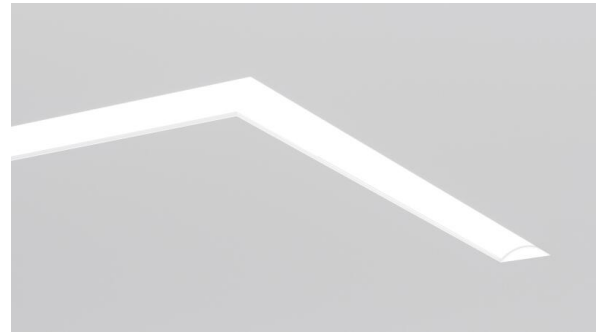




TUNNEL™

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.

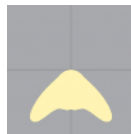
2 OPTICS & FEATURES



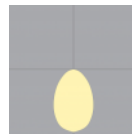
Recessed



Direct DD1



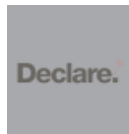
Direct DD2



Direct DD4



Bios



Declare



PoE



Tunable White

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

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

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+
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6. CCT

CTA27 2700K	CTA30 3000K	CTA35 3500K	CTA40 4000K
CTA60 Tunable White ¹			

¹ Consult factory.

7. LENS

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

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

E0 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

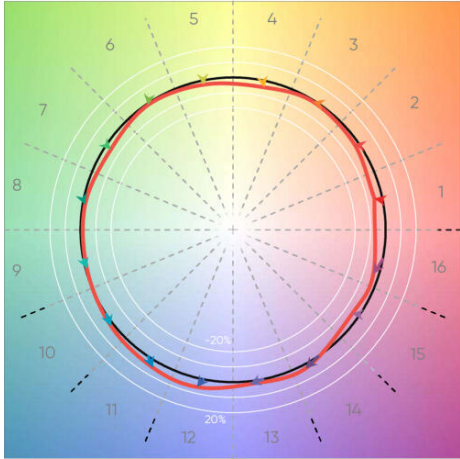
7 PERFORMANCE DATA

DIRECT COMFORT (DD4)	LUMEN/FT	WATT/FT	LPW	DIRECT BATWING (DD2)	LUMEN/FT	WATT/FT	LPW
	1400	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

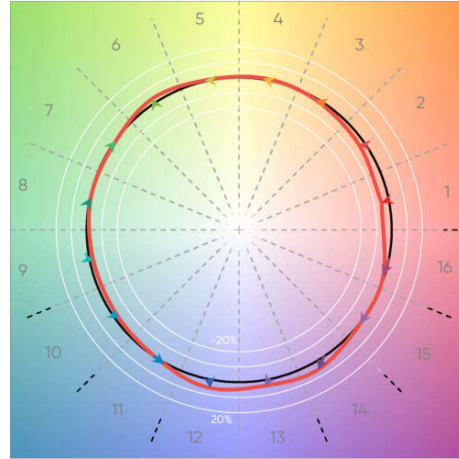
8 TM-30 DATA

CCT 2700K



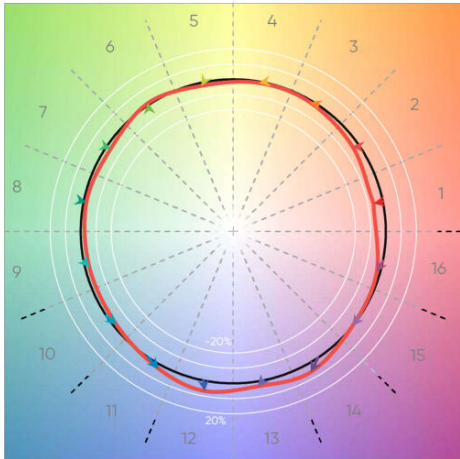
CRI(Ra)	93
CRI(R9)	61
TM30(Rf)	91
TM30(Rg)	98
Duv	-0.0022

CCT 3000K



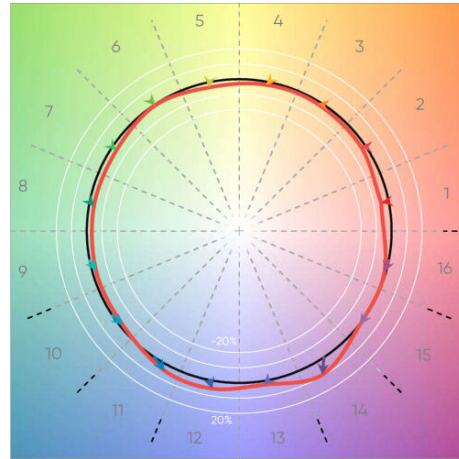
CRI(Ra)	92
CRI(R9)	58
TM30(Rf)	92
TM30(Rg)	100
Duv	-0.0003

CCT 3500K



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

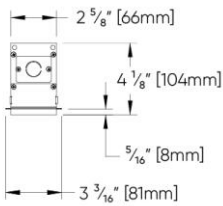
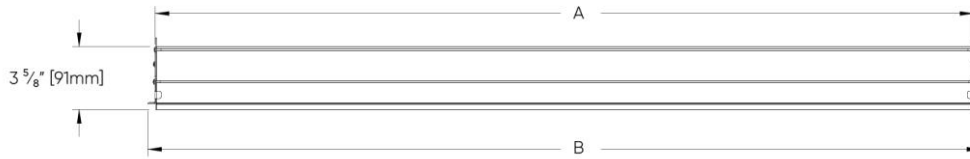
CCT 4000K



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

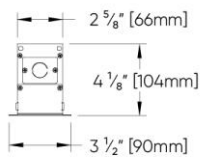
9 DIMENSIONAL DIAGRAMS

Grid Ceiling - Tegular ceiling (RT1)



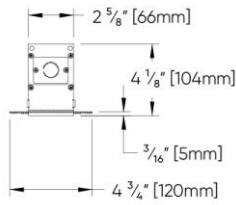
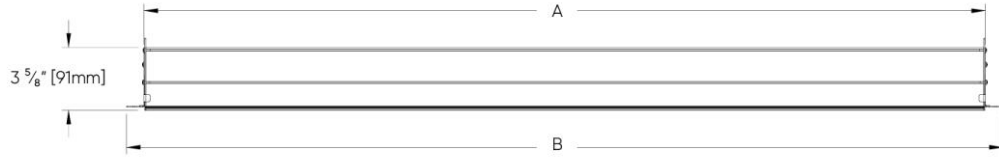
Length of run	A	B
4FT	46 7/8" [1191 mm]	47 1/16" [1212 mm]
6FT	70 7/8" [1800mm]	71 1/16" [1821mm]
8FT	94 7/8" [2409mm]	95 1/16" [2430mm]
10FT	118 7/8" [3018mm]	119 1/16" [3039mm]
12FT	142 7/8" [3627mm]	143 1/16" [3648mm]

Grid Ceiling - T-bar ceiling (RT2)



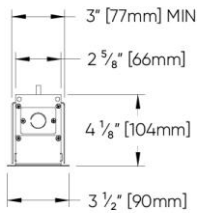
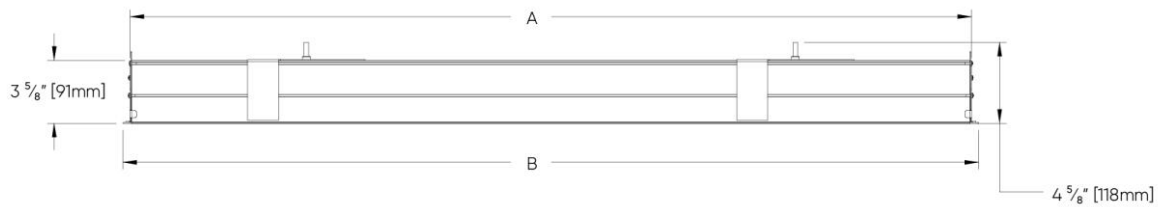
Length of run	A	B
4FT	46 7/8" [1191 mm]	47 1/16" [1212 mm]
6FT	70 7/8" [1800mm]	71 1/16" [1821mm]
8FT	94 7/8" [2409mm]	95 1/16" [2430mm]
10FT	118 7/8" [3018mm]	119 1/16" [3039mm]
12FT	142 7/8" [3627mm]	143 1/16" [3648mm]

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]