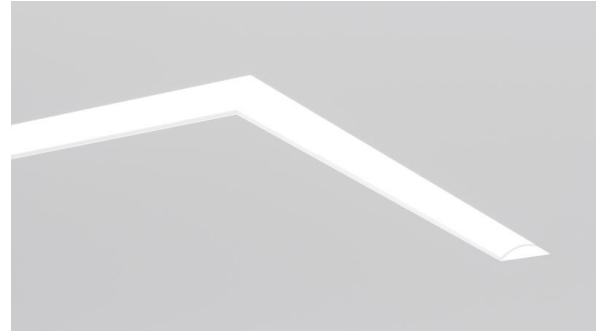




TUNNEL™

SHORT 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.

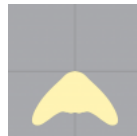
2 MOUNTING & OPTICS



Recessed



Direct DD1



Direct DD2



Direct DD3



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.

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).

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)

APPROVALS

Damp Rated.

DESIGN

US Design Patent Pending.

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).

DELIVERED LUMENS

Delivered lumens & LPW based on 4000K CRI 80+

DESIGNED BY

Seeerge Cornelissen.

5 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

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.

D. 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	

E. CRI

CR80 CRI 80+	CR90 CRI 90+
---------------------	---------------------

F. CCT

CTA27 2700K	CTA30 3000K	CTA35 3500K	CTA40 4000K
--------------------	--------------------	--------------------	--------------------

G. DIFFUSER

DD1 Asymmetric diffuser ¹	DD2 Batwing diffuser ¹	DD3 Diffused light diffuser ²	DD4 Comfort diffuser ³
---	--	---	--

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.

² High output diffuser, all data shown based on this diffuser.

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

H. 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.

I. 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.

J. 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.

K. 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.

L. CHICAGO PLENUM

CP0 Not required

CP1 Chicago Plenum

6 TECHNICAL DATA

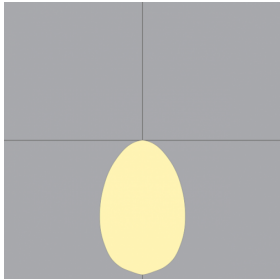
LUMINAIRE

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

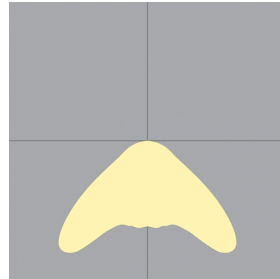
7 PERFORMANCE DATA

DIRECT DIFFUSED (DD3)



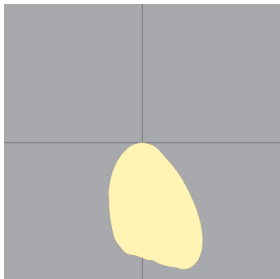
LUMEN/FT	WATT/FT	LPW
1400	13	115
1200	11	118
1000	9	121
800	7	124
600	5	128
400	3	132
200	2	134

DIRECT BATWING (DD2)



LUMEN/FT	WATT/FT	LPW
1400	13	105
1200	11	112
1000	9	115
800	7	118
600	5	121
400	3	124
200	2	129

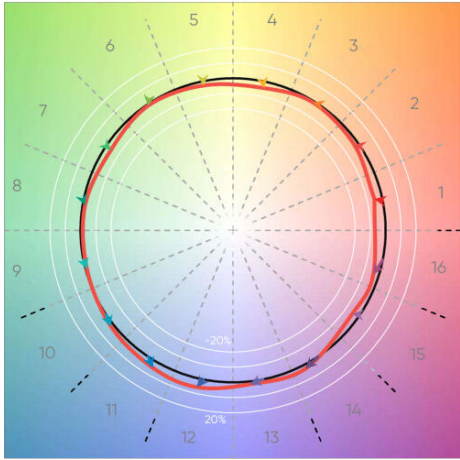
DIRECT ASYMMETRIC (DD1)



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

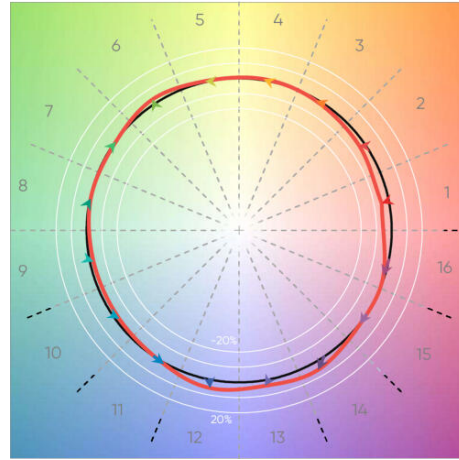
8 TM-30 DATA

CCT 2700K



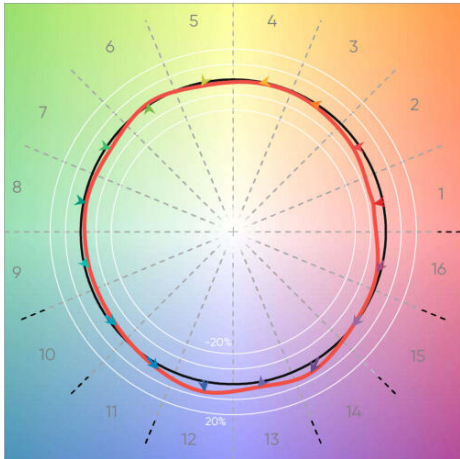
CRI(Ra)	93
CRI(R9)	61
TM30(Rf)	91
TM30(Rg)	98
Duv	-0.0022

CCT 3000K



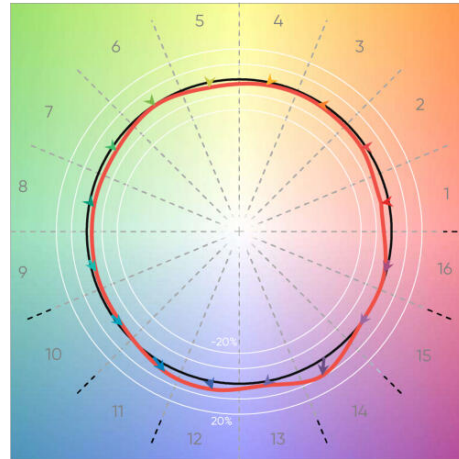
CRI(Ra)	92
CRI(R9)	58
TM30(Rf)	92
TM30(Rg)	100
Duv	-0.0003

CCT 3500K



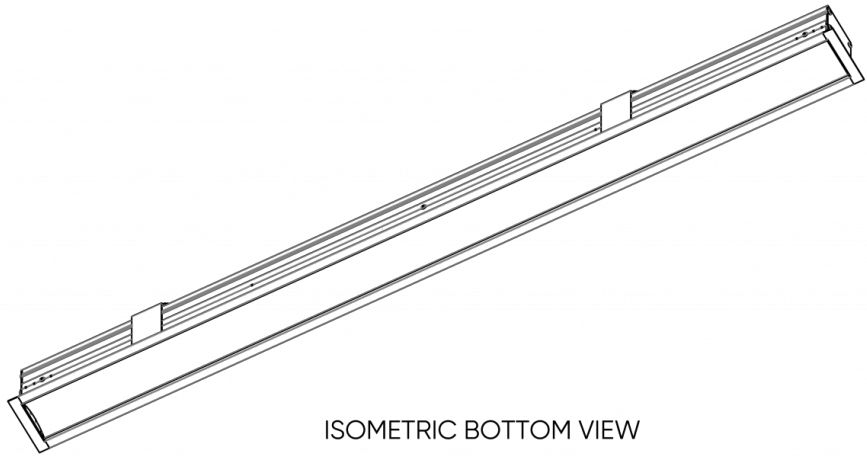
CRI(Ra)	91
CRI(R9)	53
TM30(Rf)	90
TM30(Rg)	99
Duv	-0.0007

CCT 4000K

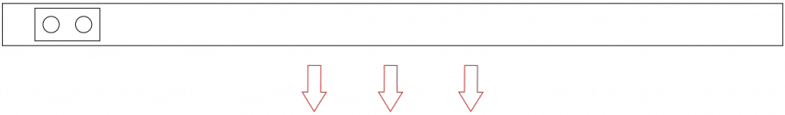


CRI(Ra)	93
CRI(R9)	64
TM30(Rf)	90
TM30(Rg)	98
Duv	0.0000

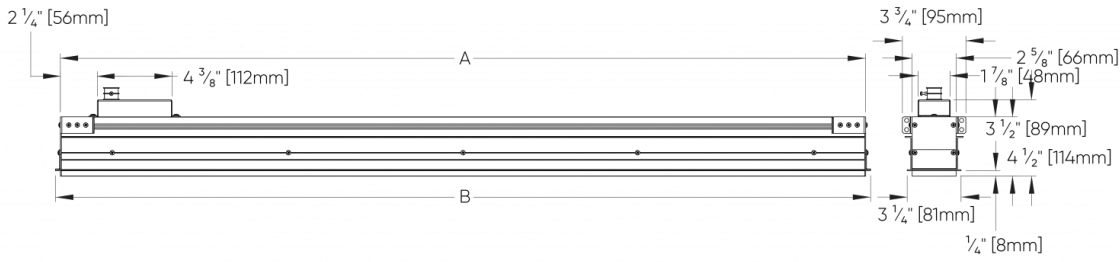
9 DIMENSIONAL DIAGRAMS



Top View
(Asymmetric Light Direction)

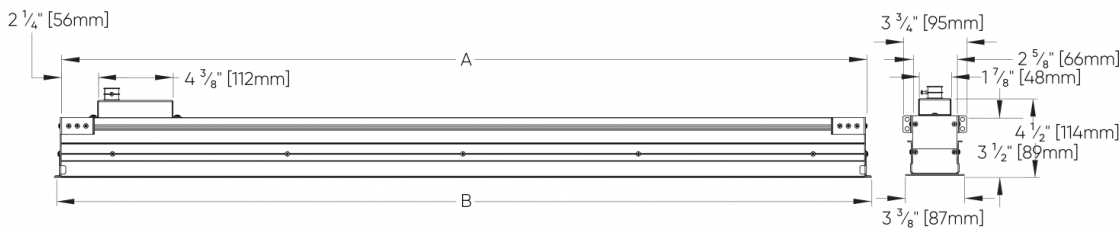


Grid Ceiling - Tegular ceiling



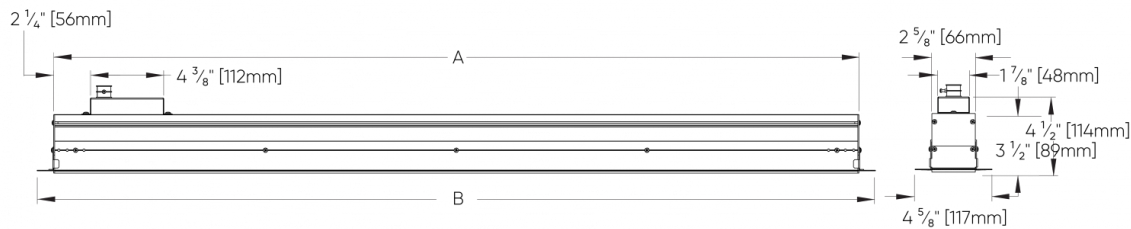
Max Length (Per section)	A	B
4ft	46 3/4" [1189mm]	47 3/4" [1212mm]
6ft	70 1/2" [1791mm]	71 3/4" [1821mm]
8ft	94 3/4" [2408mm]	95 3/4" [2431mm]
10ft	118 7/8" [3018mm]	119 3/4" [3040mm]
12ft	142 3/4" [3627mm]	143 3/4" [3650mm]

Grid Ceiling - T-bar ceiling



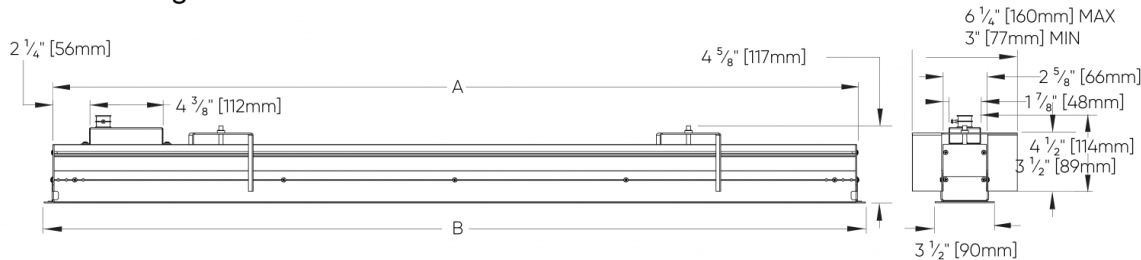
Max Length (Per section)	A	B
4ft	46 3/4" [1189mm]	47 3/4" [1212mm]
6ft	70 1/2" [1791mm]	71 3/4" [1821mm]
8ft	94 3/4" [2408mm]	95 3/4" [2431mm]
10ft	118 7/8" [3018mm]	119 3/4" [3040mm]
12ft	142 3/4" [3627mm]	143 3/4" [3650mm]

Hard Ceiling - Trimless



Max Length (Per section)	A	B
4ft	48 1/8" [1222mm]	50 1/8" [1273mm]
6ft	72 1/8" [1831mm]	74 1/8" [1882mm]
8ft	95 3/4" [2431mm]	98 5/8" [2492mm]
10ft	120 1/8" [3050mm]	122 3/4" [3040mm]
12ft	144 1/8" [3660mm]	146 1/8" [3711mm]

Hard Ceiling - Trim



Max Length (Per section)	A	B
4ft	48 1/8" [1222mm]	49" [1246mm]
6ft	72 1/8" [1831mm]	73" [1855mm]
8ft	96 3/4" [2431mm]	97" [2465mm]
10ft	120 1/8" [3050mm]	121" [3074mm]
12ft	144 1/8" [3660mm]	145" [3684mm]