

TUNNEL™ - CONTINUOUS RECESSED

Project Name:

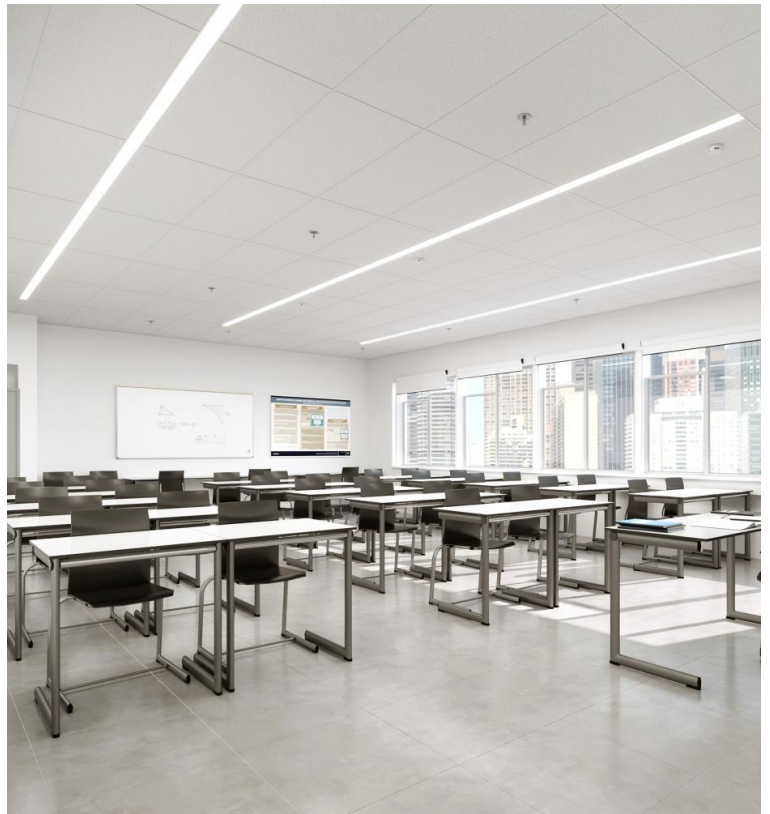
Fixture Type:

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.

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 available, consult factory.

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.

Finish

Powder coated.

Diffuser

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).

Delivered lumens

Delivered lumens & LPW based on 4000K CRI 80+

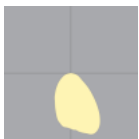
Designed by

Seeerge Cornelissen.

MOUNTING & OPTICS



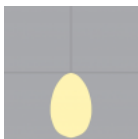
Recessed



Direct DD1



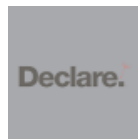
Direct DD2



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

| | | | |
|------------------|-----------------|-----------------|------------------|
| 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

| | | |
|--------------------|--------------------|--------------------|
| 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.

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I. DIMMING

DA01 0-10V Dimming 1.0%
DA30 DSI/switchDim ²

DA02 0-10V Dimming 0.1% ¹
DA45 PoE ³

DA20 DALI Dimming 0.1% ¹

DA21 DALI Dimming 1.0% ¹

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

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.

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 |

APPROVALS



DAMP
LOCATION



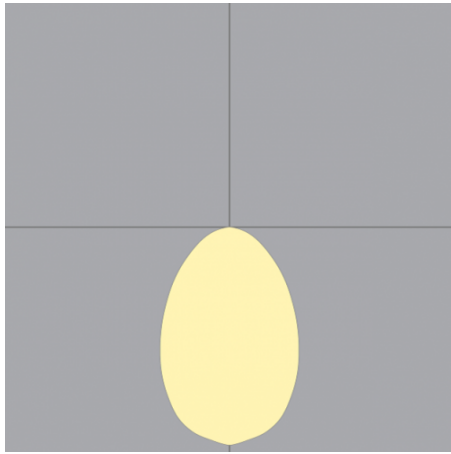
IP20



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PERFORMANCE DATA

DIRECT DIFFUSED (DD3)



LUMEN/FT

1400
1200
1000
800
600
400
200

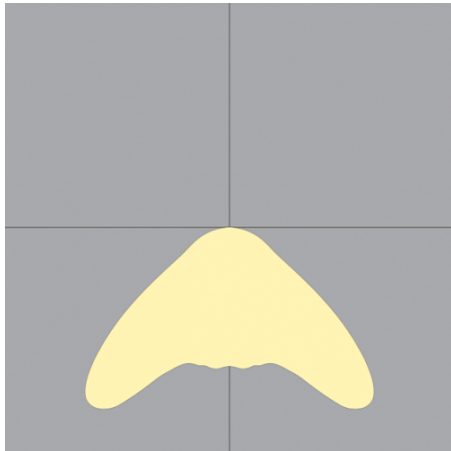
WATT/FT

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

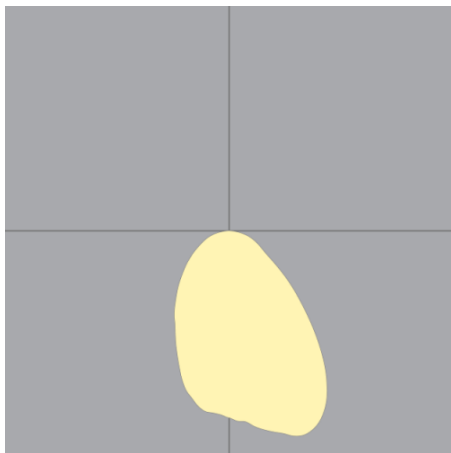
WATT/FT

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

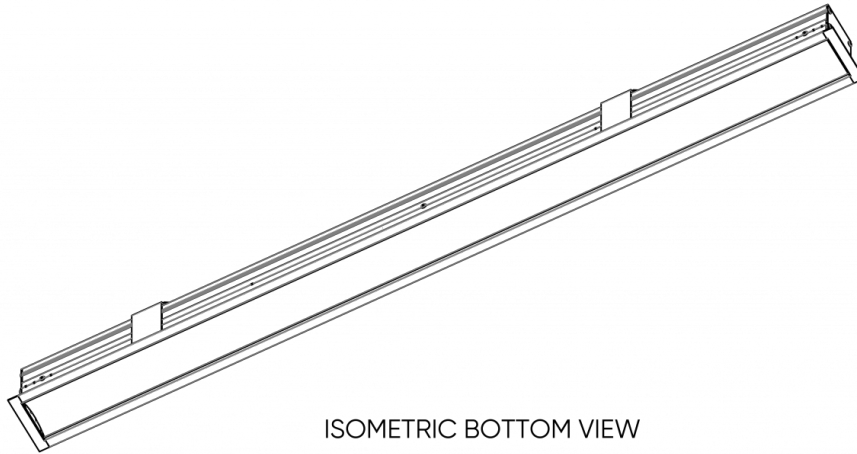
13
11
9
7
5
3
2

LPW

112
115
118
121
125
128
133

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DIMENSIONAL DIAGRAMS

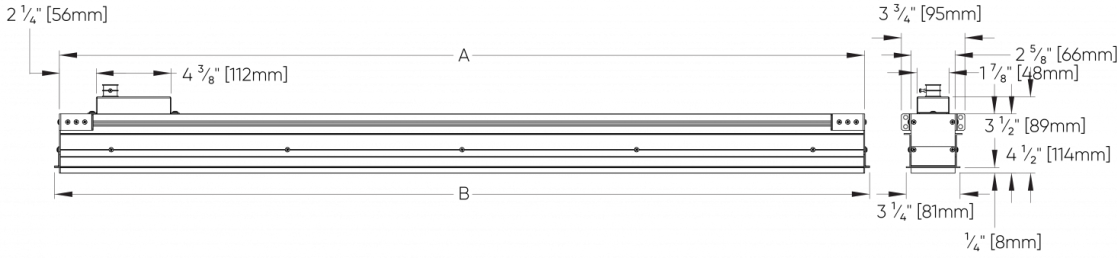


Top View
(Asymmetric Light Direction)



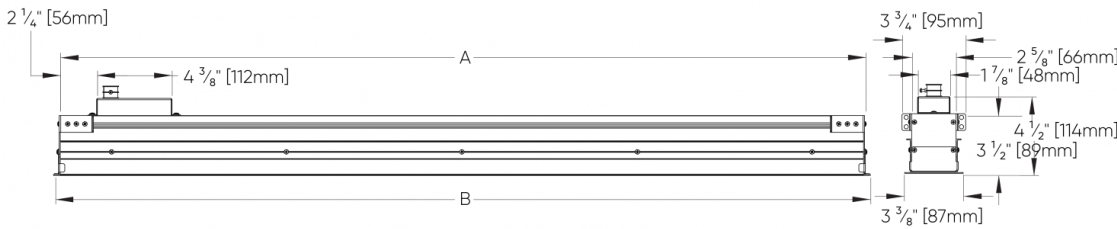
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Grid Ceiling - Tegular ceiling



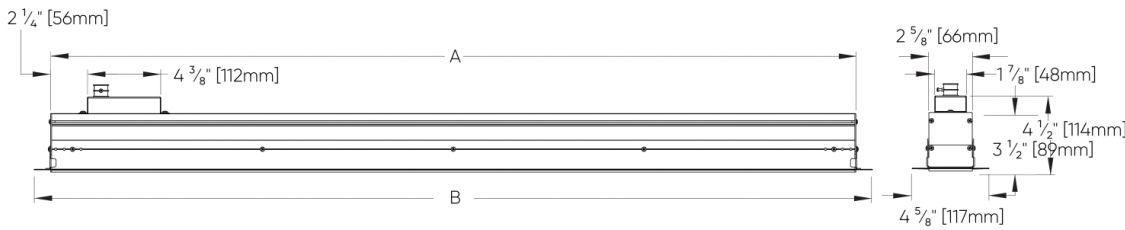
| Max Length (Per section) | A | B |
|--------------------------|-------------------|-------------------|
| 4ft | 46 3/4" [1189mm] | 47 3/4" [1212mm] |
| 6ft | 70 1/2" [1791mm] | 71 3/4" [1821mm] |
| 8ft | 94 3/4" [2408mm] | 95 3/4" [2431mm] |
| 10ft | 118 7/8" [3018mm] | 119 3/4" [3040mm] |
| 12ft |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

Grid Ceiling - T-bar ceiling



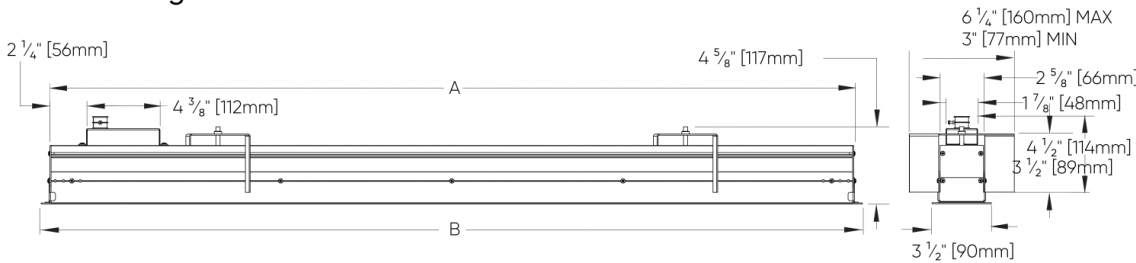
| Max Length (Per section) | A | B |
|--------------------------|-------------------|-------------------|
| 4ft | 46 3/4" [1189mm] | 47 3/4" [1212mm] |
| 6ft | 70 1/2" [1791mm] | 71 3/4" [1821mm] |
| 8ft | 94 3/4" [2408mm] | 95 3/4" [2431mm] |
| 10ft | 118 7/8" [3018mm] | 119 3/4" [3040mm] |
| 12ft |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