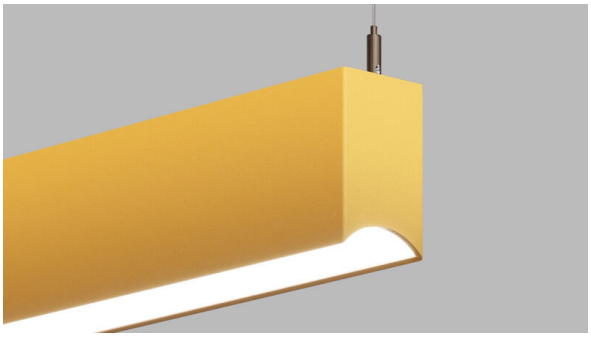
TUNNEL™

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.

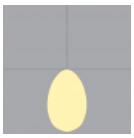
2 OPTICS & FEATURES


Suspended Direct


Suspended Direct/Indirect


Direct DD1


Direct DD2


Direct DD4


Indirect UD1


Indirect UD3


Indirect UD4



Bios



Declare



PoE



Tunable White

3 APPROVALS



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4 GENERAL SPECIFICATION

BODY
Aluminum.

FINISH
Powder coated.

SUSPENSION
Steel cables.

POWER CABLE
Silver braided.

DRIVERS
HPF electronic drivers for 120-277V, 347 (EU-240V). The driver is integral to the fixture housing.

LENS
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).

FIXTURE LENGTHS
Available in 1 inch increments. Contact the factory for details.

REPORTED L70 @25°C (77°F)
> 60,000 hrs @ 2000 lumens/ft (6000 lumens/m)

ESTIMATED L70 @25°C (77°F)
> 165,000 hrs @ 2000 lumens/ft (6000 lumens/m)

INTEGRAL EMERGENCY SYSTEM (E1)
Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The self contained system includes the inverter module, NiCad batteries, LED charge indicator and test switch (NA only). Not available with a 347V supply. Refer to the Emergency option notes below for wattage, configuration and regional details.

LUMINAIRE LEVEL LIGHTING CONTROLS
This product can be configured for integration with luminaire-level lighting controls. Contact the factory for available options and project-specific requirements.

DELIVERED LUMENS
Delivered lumens & LPW based on 4000K CRI 80+

APPROVALS
Damp Rated.

DESIGNED BY
Serge Cornelissen.

DESIGN
US Design Patent Pending.

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SEISMIC BRACING

Seismic bracing kits are available to meet compliance requirements. Consult the factory for details.

SUSTAINABILITY

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

5 DESIGN OPTIONS

FIXTURE FINISH

White - Textured


Black Metallic - Textured


Silver Metallic - Textured


Gold Metallic - Textured


Wood grain - Light Cherry [1]


Wood grain - Dark Walnut [1]


Wood grain - White Oak [1]


Midnight Blue Metallic - Textured


Copper Metallic


Charcoal Metallic - Textured


Bronze Metallic - Textured


Champagne Metallic


Red Metallic - Textured

[1] Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.

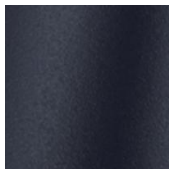
CANOPY FINISH

White


Black Metallic - Textured


Silver Metallic - Textured


Gold Metallic - Textured


Midnight Blue Metallic - Textured


Copper Metallic


Charcoal Metallic - Textured


Bronze Metallic - Textured


Champagne Metallic


Red Metallic - Textured

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6 HOW TO ORDER

LUMINAIRE

TLCP1P Direct
TLCP2P Direct/Indirect

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.

LENGTH OF RUN

Minimum length to order is 4' and orders to be in 2' increments.
Example: 4' = SFA0400, 10' = SFA1000,50' = SFA5000
For runs over 50' in length, consult factory.

SFA_ _ _ _

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.

LM/FT (DIRECT)

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

LM/FT (INDIRECT)

LPG000 Not required
LPG020 200 lm/ft
LPG040 400 lm/ft
LPG060 600 lm/ft
LPG080 800 lm/ft
LPG100 1000 lm/ft
LPG120 1200 lm/ft
LPG140 1400 lm/ft
LPG165 1650 lm/ft

CRI

CR80 CRI 80+
CR90 CRI 90+

CCT DIRECT

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

* If Tunable White is required, it needs to be selected for both direct and indirect. For other combinations, consult factory.

CCT INDIRECT

CTB00 Not required
CTB27 2700K
CTB30 3000K
CTB35 3500K
CTB40 4000K
CTB60 Tunable White

* If Tunable White is required, it needs to be selected for both direct and indirect. For other combinations, consult factory.

DIRECT 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.

INDIRECT LENS

UD0 Not required
UD1 Batwing
UD3 Asymmetric [1]
UD4 Extra Wide Batwing [2]

[1] Available up to 1200 lm/ft.
[2] Available up to 1400 lm/ft.

INDIRECT BLACKOUT PLATE

UB00 Not required
UB_ _ Blackout plate [1]

[1] Available on a per foot basis. May be required to prevent lighting up of duct work in loft style applications.

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.

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]
DA23 DALI DT8 Dimming 0.1% - Tunable White [1] [2]
DA45 PoE [3]

[1] Not available with V3.
[2] Only available with Tunable White.
[3] Only available with V4.

CEILING TYPE

G1 Grid ceiling [1]
H1 Hard ceiling [2]

The cost for the canopies, power cables, connections mechanisms and endcaps for the fixture has been added to these items.
[1] Combo kit provided includes installation to T-bar and through tile mount. [2] Designed for drywall ceilings.

SUSPENSION

HLA03 3ft cable suspension
HLA06 6ft cable suspension
HLA09 9ft cable suspension

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FIXTURE FINISH

FA01 White - Textured
FA02 Black Metallic - Textured
FA20 Silver Metallic - Textured
FA25 Gold Metallic - Textured
FA27 Wood grain - Light Cherry [1]
FA28 Wood grain - Dark Walnut [1]
FA30 Wood grain - White Oak [1]
FA44 Midnight Blue Metallic - Textured
FA45 Copper Metallic
FA46 Charcoal Metallic - Textured
FA47 Bronze Metallic - Textured
FA52 Champagne Metallic
FA53 Red Metallic - Textured

[1] Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.

CANOPY FINISH

CF01 White
CF02 Black Metallic - Textured
CF20 Silver Metallic - Textured
CF25 Gold Metallic - Textured
CF44 Midnight Blue Metallic - Textured
CF45 Copper Metallic
CF46 Charcoal Metallic - Textured
CF47 Bronze Metallic - Textured
CF52 Champagne Metallic
CF53 Red Metallic - Textured

EMERGENCY

E0 Not required
E1 Emergency system - Integral [1] [2]
E3 Emergency generated circuit [1] [2]

[1] Specify quantity of emergency sections or emergency generator circuits required based off total length of run. Not available with 347V.

[2] For North America, the minimum emergency system wattage is 10W. Refer to the fixture's lumens per watt to estimate emergency light output. The emergency system typically powers only a portion of the fixture, depending on the fixture configuration and number of drivers. Consult factory for emergency system configuration and illuminated section details.
For Europe, the emergency system wattage and configuration may vary. Consult factory for details.

Note: A drawing will be required at the time of ordering to determine the required location of the emergency sections or generator circuits.

CIRCUITS

CS1 Single circuit
CS2 Dual circuit [1]

SENSORS

This product can be configured for integration with luminaire-level lighting controls. Contact the factory for available options and project-specific requirements.

7 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.

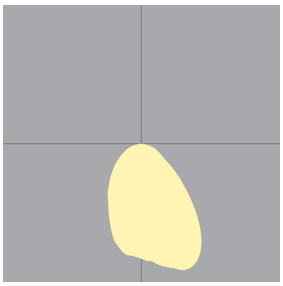
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Light Direction	Direct	Direct/Indirect

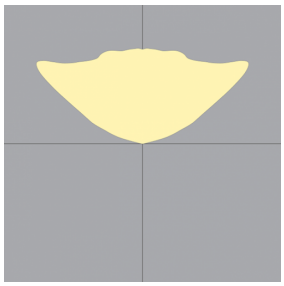
8 PERFORMANCE DATA

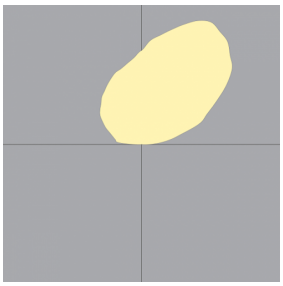
DIRECT COMFORT (DD4)	LUMEN/FT	WATT/FT	LPW
	1400	13	103
	1200	11	106
	1000	9	109
	800	7	112
	600	5	115
	400	3	119
	200	2	120

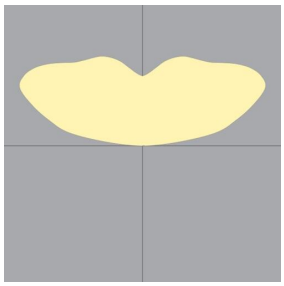
DIRECT BATWING (DD2)	LUMEN/FT	WATT/FT	LPW
	1400	13	108
	1200	11	112
	1000	9	115
	800	7	118
	600	5	121
	400	3	124
	200	2	129

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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

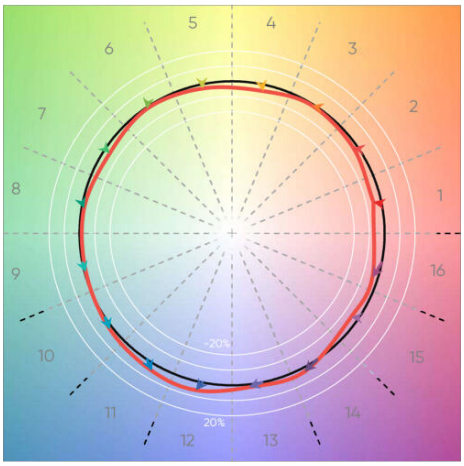
INDIRECT BATWING (UD1)	LUMEN/FT	WATT/FT	LPW
	1650	13	132
	1400	10	137
	1200	9	140
	1000	7	144
	800	6	146
	600	4	150
	400	3	153
	200	1	153

INDIRECT ASYMMETRIC (UD3)	LUMEN/FT	WATT/FT	LPW
	1200	13	97
	1000	10	100
	800	9	102
	600	6	107
	400	4	109
	200	2	112

INDIRECT BATWING (UD4)	LUMEN/FT	WATT/FT	LPW
	1400	13	113
	1200	10	116
	1000	8	119
	800	7	123
	600	5	127
	400	3	129
	200	2	131

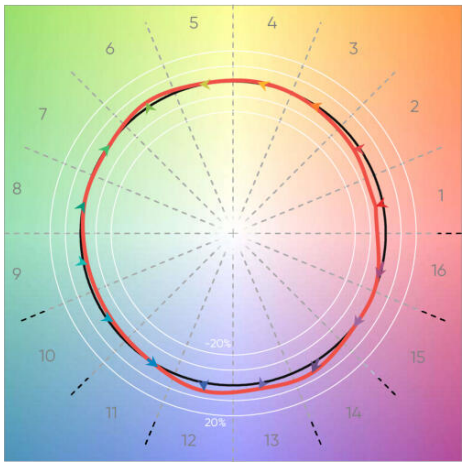
9 TM-30 DATA

CCT 2700K



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

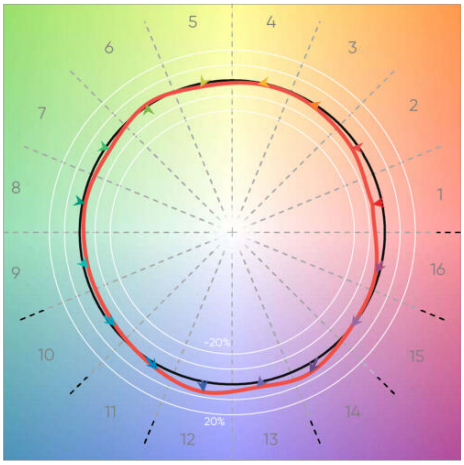
CCT 3000K



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

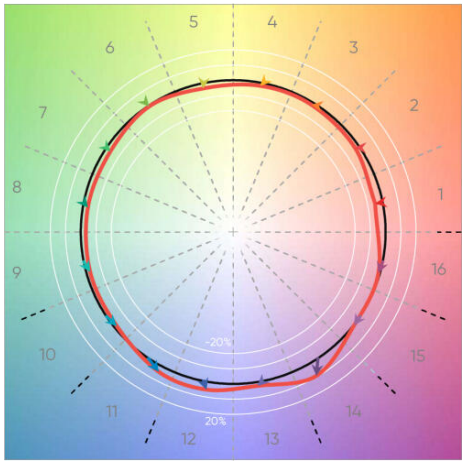
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CCT 3500K



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

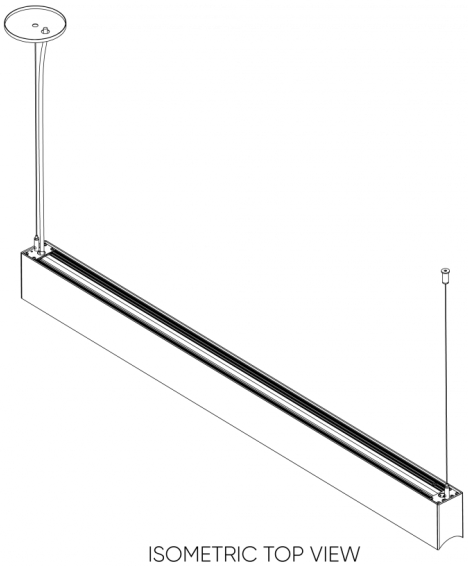
CCT 4000K



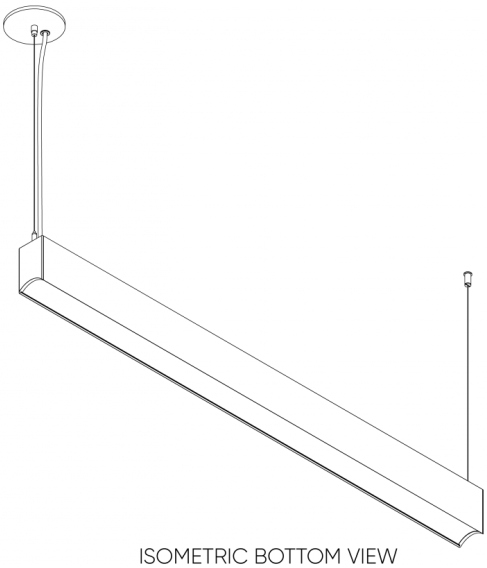
CRI(Ra)	93
CRI(R9)	64
TM30(Rf)	90
TM30(Rg)	98
Duv	0.0000

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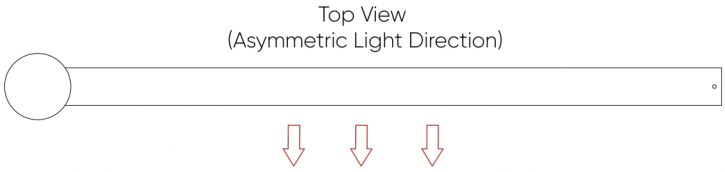
10 DIMENSIONAL DIAGRAMS

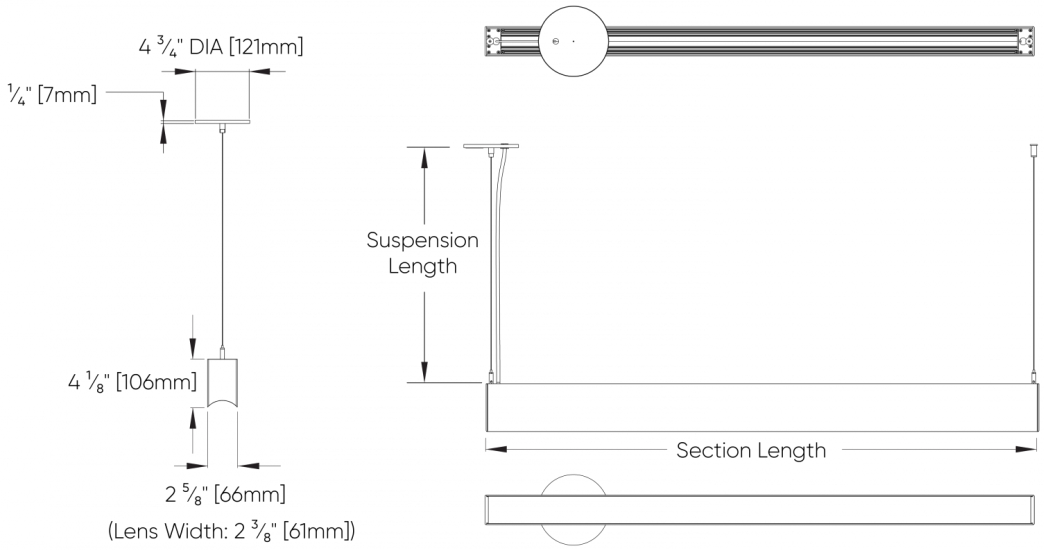


ISOMETRIC TOP VIEW



ISOMETRIC BOTTOM VIEW





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