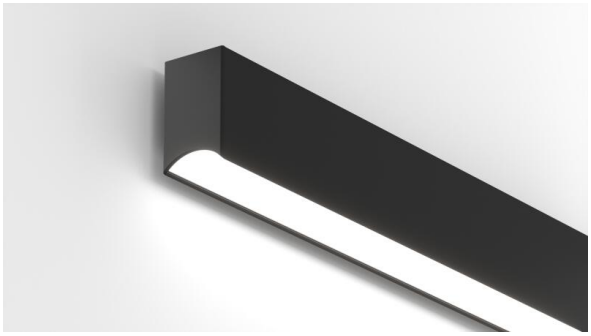
TUNNEL™

FULL SPECIFICATION SHEET



FIXTURE TYPE	FIXTURE CODE	QUANTITIES

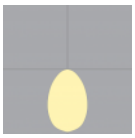
1 DESCRIPTION

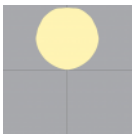
TUNNEL revives the classic functional form into a charming new style with an incurved enhancement. With this design flair comes great functionality. **TUNNEL** exceeds typical levels of output and efficacy, and delivers on specification capabilities. Its 13 luxurious finishes and smooth lines create a stylish luminaire that doesn't compromise on performance. These fixtures are BIOS and Tunable White compatible, ensuring optimal visual comfort.

2 OPTICS & FEATURES


Wall - Direct/Indirect


Direct DD1


Direct DD4


Indirect UD2


Indirect UD3



Bios



Declare



PoE



Tunable White

3 APPROVALS



4 GENERAL SPECIFICATION

BODY
Aluminum.

FINISH
Powder coated.

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MECHANICAL
Luminaires mount directly over J box (by others).

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.

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

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.

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

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

DESIGNED BY
Serge Cornelissen.

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

LENS
Opal acrylic. 2.4" width

BIOS
For circadian lighting, consult factory.

RGBW
RGBW available, consult factory.

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.

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

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

APPROVALS
Damp Rated.

DESIGN
US Design Patent Pending.

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5 DESIGN OPTIONS

FIXTURE FINISH

White - Textured


Black Metallic - Textured

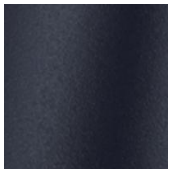

Silver Metallic - Textured


Gold Metallic - Textured

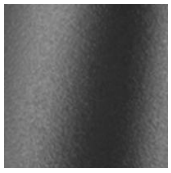

Wood grain - Light Cherry [1]


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.

6 HOW TO ORDER

LUMINAIRE

TLCW1W Direct
TLCW2W Direct/Indirect

One power cord every 50 linear ft.

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.

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DIRECT LENS

DD1 Asymmetric
DD4 Comfort

INDIRECT LENS

UD0 Not required
UD2 Opal
UD3 Asymmetric [1]

[1] Available up to 1200 lm/ft. The asymmetric distribution will be directed away from the wall.

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. [3] Only available with DA45 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.

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.

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

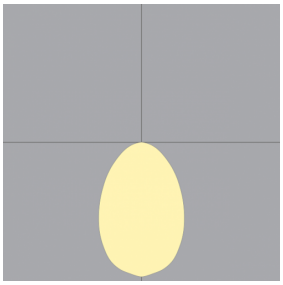
One power cord every 50 linear ft.

Code	**TLCW1W**	**TLCW2W**
Light Direction		

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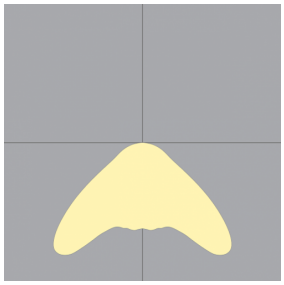
8 PERFORMANCE DATA

DIRECT COMFORT (DD4)



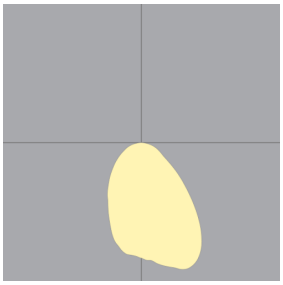
LUMEN/FT	WATT/FT	LPW
1400	13	103
1200	11	106
1000	9	109
800	7	112
600	5	115
400	3	119
200	2	120

DIRECT BATWING (DD2)



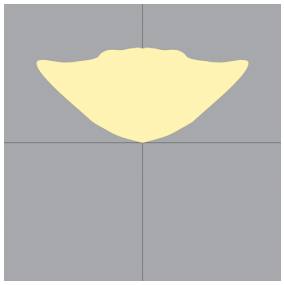
LUMEN/FT	WATT/FT	LPW
1400	13	108
1200	11	112
1000	9	115
800	7	118
600	5	121
400	3	124
200	2	129

DIRECT ASYMMETRIC (DD1)



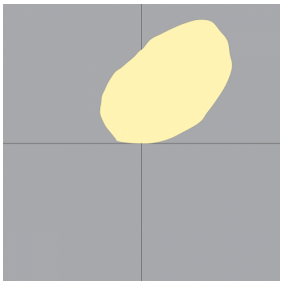
LUMEN/FT	WATT/FT	LPW
1400	13	112
1200	11	115
1000	9	118
800	7	121
600	5	125
400	3	128
200	2	133

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)

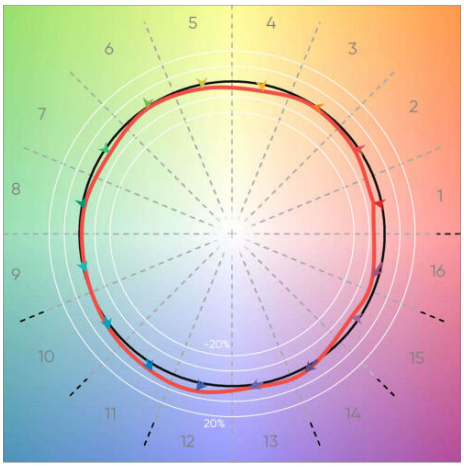


LUMEN/FT	WATT/FT	LPW
1200	13	97
1000	10	100
800	9	102
600	6	107
400	4	109
200	2	112

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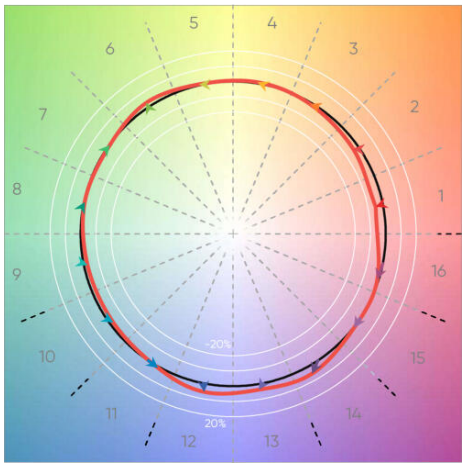
9 TM-30 DATA

CCT 2700K



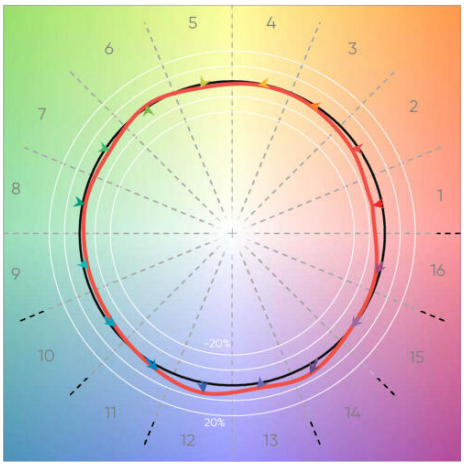
CRI(Ra)	93
CRI(R9)	61
TM30(Rf)	91
TM30(Rg)	98
Duv	-0.0022

CCT 3000K



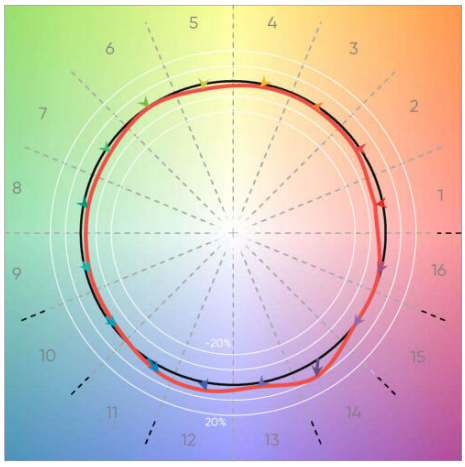
CRI(Ra)	92
CRI(R9)	58
TM30(Rf)	92
TM30(Rg)	100
Duv	-0.0003

CCT 3500K



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

CCT 4000K

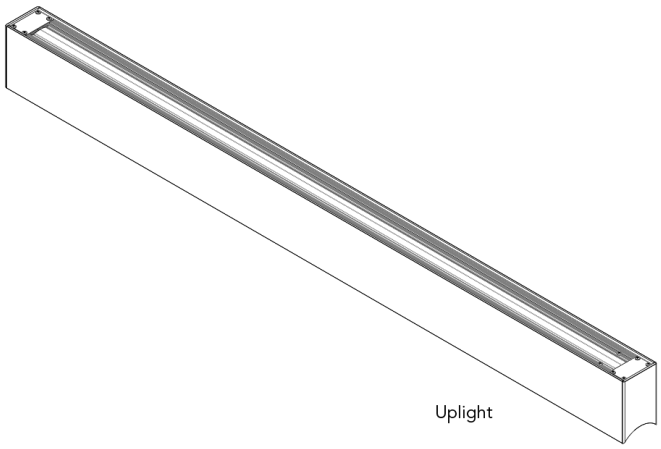


CRI(Ra)	93
CRI(R9)	64
TM30(Rf)	90
TM30(Rg)	98
Duv	0.0000

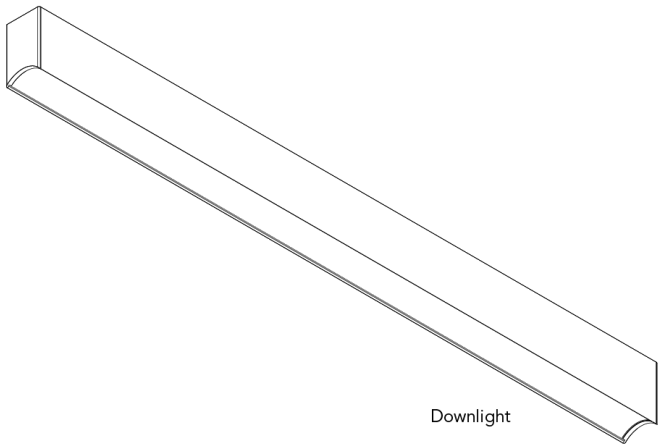
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10 DIMENSIONAL DIAGRAMS

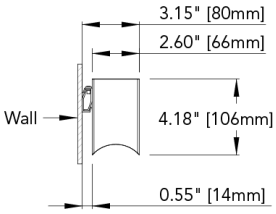
Isometric Views

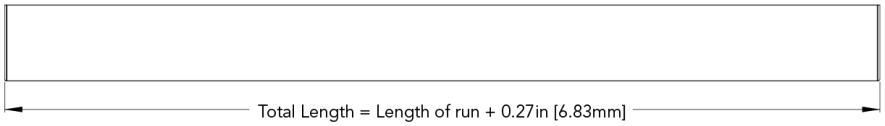


Uplight



Downlight







Top View [Uplight]

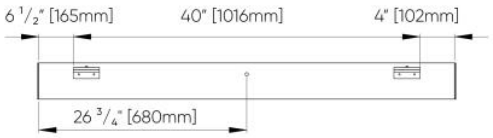


Bottom View [Downlight]

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WALL MOUNT CONFIGURATIONS

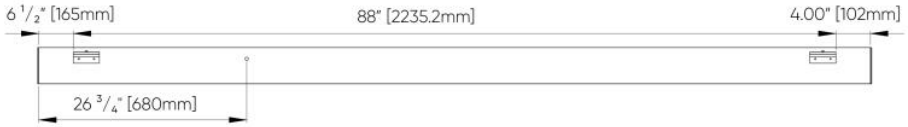
4FT



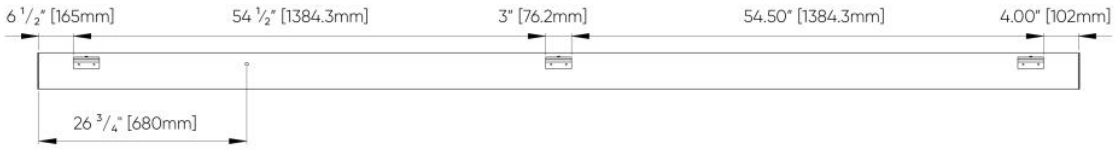
6FT



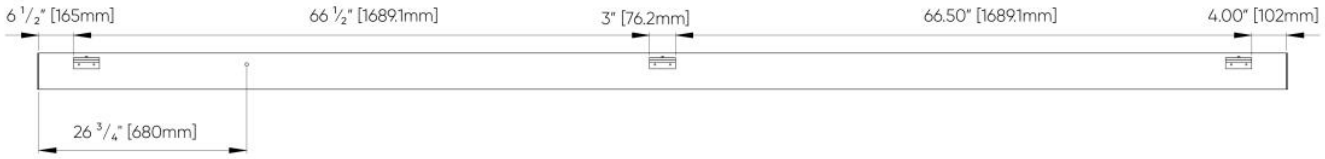
8FT



10FT



12FT



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