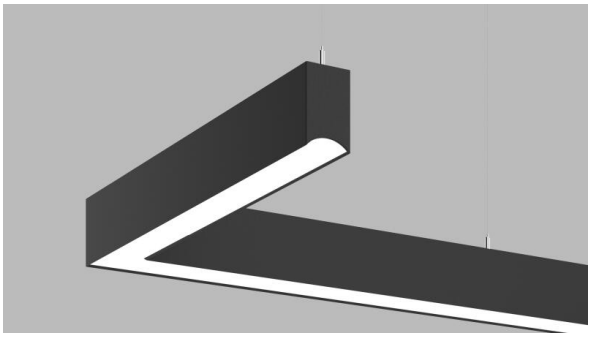
TUNNEL SYSTEMS™

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 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 does not compromise on performance. Design a cleaner lighting layout that follows the architecture and interior design with the new Systems option.

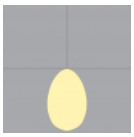
2 OPTICS & FEATURES


Suspended Direct


Suspended Direct/Indirect


Direct DD1


Direct DD2


Direct DD4


Indirect UD1


Indirect UD3



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.

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.

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

LENS
Opal acrylic. 2.4" width

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.

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

FIXTURE LENGTHS
Available in 1" 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)

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

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.

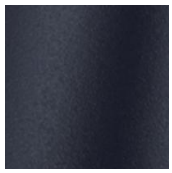
CANOPY FINISH

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

Choose a Module

Make a selection from one of the following 7 sections. One power cord for every 50 linear feet. Connection parts for each section are shipped separately for on site assembly. Project drawings are not required for this product.

STRAIGHT SECTION 2FT

TL1PSL02 2ft middle section Direct
TL1PSM02 2ft middle section with power cord Direct
TL1PSN02 2ft section with end cap Direct
TL1PSP02 2ft section with end cap and power cord Direct

Available as Direct only.

STRAIGHT SECTION 4FT

TL1PSL04 4ft middle section Direct
TL1PSM04 4ft middle section with power cord Direct
TL1PSN04 4ft section with end cap Direct
TL1PSP04 4ft section with end cap and power cord Direct
TL2PSL04 4ft middle section Direct/Indirect
TL2PSM04 4ft middle section with power cord Direct/Indirect
TL2PSN04 4ft section with end cap Direct/Indirect
TL2PSP04 4ft section with end cap and power cord Direct/Indirect

STRAIGHT SECTION 6FT

TL1PSL06 6ft middle section Direct
TL1PSM06 6ft middle section with power cord Direct
TL1PSN06 6ft section with end cap Direct
TL1PSP06 6ft section with end cap and power cord Direct
TL2PSL06 6ft middle section Direct/Indirect
TL2PSM06 6ft middle section with power cord Direct/Indirect
TL2PSN06 6ft section with end cap Direct/Indirect
TL2PSP06 6ft section with end cap and power cord Direct/Indirect

STRAIGHT SECTION 8FT

TL1PSL08 8ft middle section Direct
TL1PSM08 8ft middle section with power cord Direct
TL1PSN08 8ft section with end cap Direct
TL1PSP08 8ft section with end cap and power cord Direct
TL2PSL08 8ft middle section Direct/Indirect
TL2PSM08 8ft middle section with power cord Direct/Indirect
TL2PSN08 8ft section with end cap Direct/Indirect
TL2PSP08 8ft middle section with end cap and power cord Direct/Indirect

STRAIGHT SECTION 10FT

TL1PSL10 10ft middle section Direct
TL1PSM10 10ft middle section with power cord Direct
TL1PSN10 10ft section with end cap Direct
TL1PSP10 10ft section with end cap and power cord Direct
TL2PSL10 10ft middle section Direct/Indirect
TL2PSM10 10ft middle section with power cord Direct/Indirect
TL2PSN10 10ft section with end cap Direct/Indirect
TL2PSP10 10ft section with end cap and power cord Direct/Indirect

STRAIGHT SECTION 12FT

TL1PSL12 12ft middle section Direct
TL1PSM12 12ft middle section with power cord Direct
TL1PSN12 12ft section with end cap Direct
TL1PSP12 12ft section with end cap and power cord Direct
TL2PSL12 12ft middle section Direct/Indirect
TL2PSM12 12ft middle section with power cord Direct/Indirect
TL2PSN12 12ft section with end cap Direct/Indirect
TL2PSP12 12ft section with end cap and power cord Direct/Indirect

CORNER SECTION (28"X28" L SHAPE)

TL1PSL01 Corner with no end caps Direct
TL1PSM01 Corner middle with power cord Direct
TL1PSN01 Corner with Left end cap Direct
TL1PSN03 Corner with Right end cap Direct
TL1PSP01 Corner with Left end cap and power cord Direct
TL1PSP03 Corner with Right end cap and power cord Direct
TL2PSL01 Corner with no end caps Direct/Indirect
TL2PSM01 Corner middle with power cord Direct/Indirect
TL2PSN01 Corner with Left end cap Direct/Indirect
TL2PSN03 Corner with Right end cap Direct/Indirect
TL2PSP01 Corner with Left end cap and power cord Direct/Indirect
TL2PSP03 Corner with Right end cap and power cord Direct/Indirect

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

Consult website for available lumens/ft. based on selected louver.

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

Consult website for available lumens/ft.
All data shown based on DD3 diffuser.

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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] Recommended for use with Frosted louver only. 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.

BLACKOUT PLATE

UB00 Not required
UB_ _ Blackout plate [1]

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

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.

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

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 generator 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]

[1] Independent control of uplight for LELP2P.

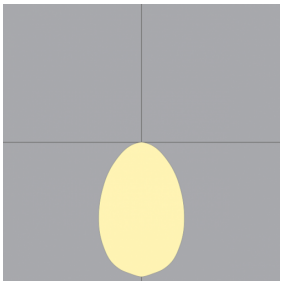
SENSORS

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

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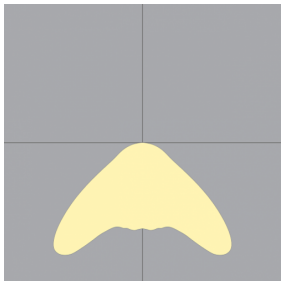
7 PERFORMANCE DATA

DIRECT COMFORT (DD4)



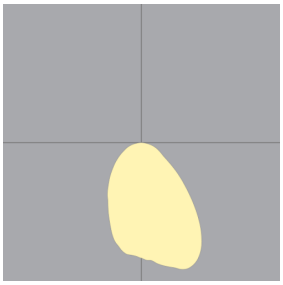
LUMEN/FT	WATT/FT	LPW
1400	13	103
1200	11	106
1000	9	109
800	7	112
600	5	115
400	3	119
200	2	120

DIRECT BATWING (DD2)



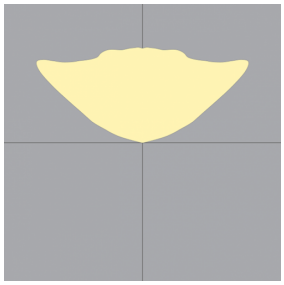
LUMEN/FT	WATT/FT	LPW
1400	13	108
1200	11	112
1000	9	115
800	7	118
600	5	121
400	3	124
200	2	129

DIRECT ASYMMETRIC (DD1)



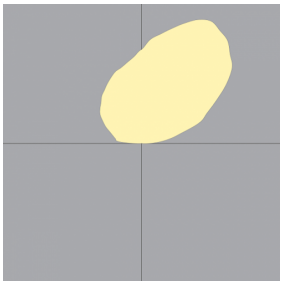
LUMEN/FT	WATT/FT	LPW
1400	13	112
1200	11	115
1000	9	118
800	7	121
600	5	125
400	3	128
200	2	133

INDIRECT BATWING (UD1)



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

INDIRECT ASYMMETRIC (UD3)

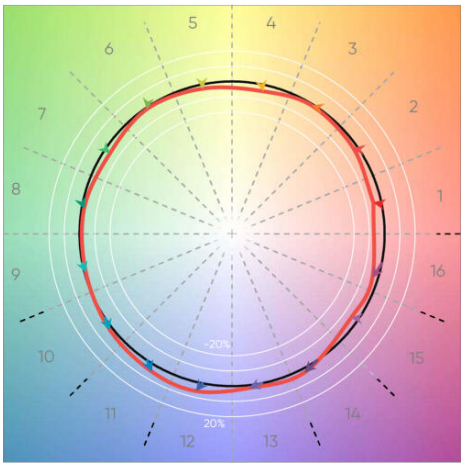


LUMEN/FT	WATT/FT	LPW
1200	13	97
1000	10	100
800	9	102
600	6	107
400	4	109
200	2	112

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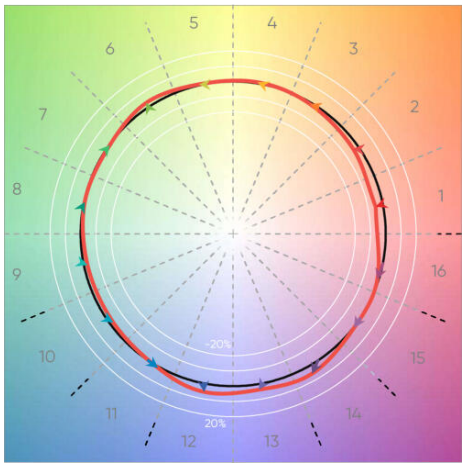
8 TM-30 DATA

CCT 2700K



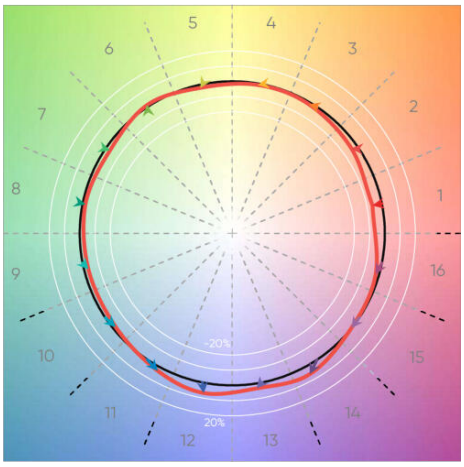
CRI(Ra)	93
CRI(R9)	61
TM30(Rf)	91
TM30(Rg)	98
Duv	-0.0022

CCT 3000K



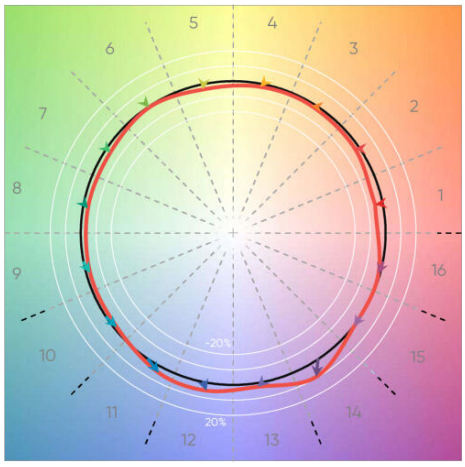
CRI(Ra)	92
CRI(R9)	58
TM30(Rf)	92
TM30(Rg)	100
Duv	-0.0003

CCT 3500K



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

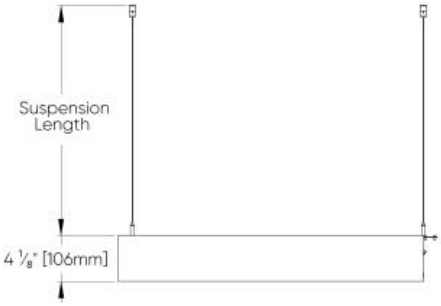
CCT 4000K



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

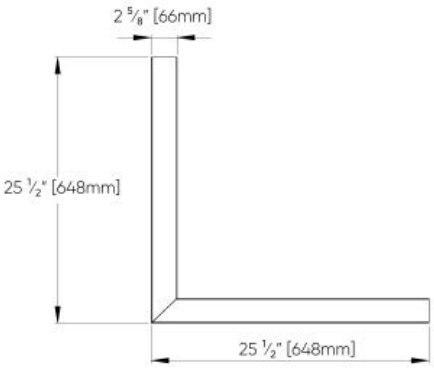
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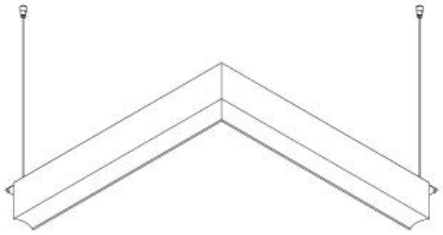
9 DIMENSIONAL DIAGRAMS





ISOMETRIC TOP VIEW





ISOMETRIC BOTTOM VIEW

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