



# TUNNEL QUAD™

## 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



### 3 APPROVALS



### 4 GENERAL SPECIFICATION

#### BODY

Aluminum.

#### FINISH

Powder coated.

### SUSPENSION

Steel cables.

### 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.

### DELIVERED LUMENS

Delivered lumens & LPW based on 4000K CRI 80+

### 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)

### SENSORS

Compatible with Avi-On, Casambi, Enlighted, Lutron Vive, nLight, NX Lighting Controls, Osram, Philips, and others. Consult factory.

### DESIGN

US Design Patent Pending.

### SUSTAINABILITY

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

### POWER CABLE

Silver braided.

### BIOS

For circadian lighting, consult factory.

### RGBW

RGBW available, consult factory.

### LENS

Opal acrylic. 2.4" width

### MECHANICAL

Luminaires mount directly over J box (by others).

### REPORTED L70 @25°C (77°F)

> 60,000 hrs @ 2000 lumens/ft (6000 lumens/m)

### INTEGRAL EMERGENCY SYSTEM

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.

### APPROVALS

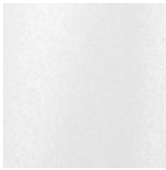
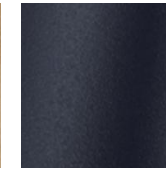


Damp Rated.

### SEISMIC BRACING

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

**5 DESIGN OPTIONS**

**FIXTURE FINISH**

							
White - Textured	Black Metallic - Textured	Silver Metallic - Textured	Gold Metallic - Textured	Wood grain - Light Cherry <sup>1</sup>	Wood grain - Dark Walnut <sup>1</sup>	Wood grain - White Oak <sup>1</sup>	Midnight Blue Metallic - Textured
							
Copper Metallic	Charcoal Metallic - Textured	Bronze Metallic - Textured	Champagne Metallic	Red Metallic - Textured			

<sup>1</sup> 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						

**6 HOW TO ORDER**

**1. LUMINAIRE**

TLCQ1P01 27.2" Sq, Direct	TLCQ1P02 51.2" Sq, Direct	TLCQ1P05 27.20" x 51.20", Direct	TLCQ2P01 27.2" Sq, Direct/Indirect
TLCQ2P02 51.2" Sq, Direct/Indirect	TLCQ2P05 27.2" x 51.2", Direct/Indirect		

For larger sizes, refer to Tunnel Systems. One power cord for every 50 linear feet.

**2. LUMENS/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	

**3. LUMENS/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			

**4. CRI**

CR80 CRI 80+	CR90 CRI 90+
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**5. CCT DIRECT**

CTA27 2700K	CTA30 3000K	CTA35 3500K	CTA40 4000K
CTA60 Tunable White <sup>1</sup>			

<sup>1</sup> Consult factory.

**6. CCT INDIRECT**

CTB00 Not required	CTB27 2700K	CTB30 3000K	CTB35 3500K
CTB40 4000K	CTB60 Tunable White <sup>1</sup>		

<sup>1</sup> Consult factory.

**7. DIRECT LENS**

DD2 Batwing	DD4 Comfort
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**8. INDIRECT LENS (BATWING)**

UD0 Not required	UD1 Clear (Batwing distribution)
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## 9. UPLIGHT BLACKOUT PLATE

**UB00** Not required                      **UB\_ \_** Blackout plate <sup>1</sup>

<sup>1</sup> Available on a per foot basis. May be required to prevent lighting up of duct work in loft style applications.

## 10. VOLTAGE

**V1** 120/277V                              **V2** 240V <sup>1</sup>                              **V3** 347V <sup>2</sup>                              **V4** Low Voltage <sup>3</sup>

<sup>1</sup> Not available in North America. <sup>2</sup> Only available with DA01 dimming.

## 11. DIMMING

**DA01** 0-10V Dimming 1.0%              **DA02** 0-10V Dimming 0.1% <sup>1</sup>              **DA20** DALI Dimming 0.1% <sup>1</sup>              **DA21** DALI Dimming 1.0% <sup>1</sup>  
**DA30** DSI/switchDim <sup>2</sup>              **DA45** PoE <sup>3</sup>

<sup>1</sup> Not available with V3. <sup>2</sup> Not available in North America. <sup>3</sup> Only available with V4.

## 12. CEILING TYPE

**G1** Grid ceiling <sup>1</sup>                              **H1** Hard ceiling <sup>2</sup>

The cost for the canopies, power cables, connections mechanisms and endcaps for the fixture has been added to these items.

<sup>1</sup> Combo kit provided includes installation to T-bar and through tile mount. <sup>2</sup> Designed for drywall ceilings.

## 13. SUSPENSION

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

## 14. FIXTURE FINISH

**FA01** White – Textured                      **FA02** Black Metallic – Textured              **FA20** Silver Metallic – Textured              **FA25** Gold Metallic – Textured  
**FA27** Wood grain – Light Cherry <sup>1</sup>      **FA28** Wood grain – Dark Walnut <sup>1</sup>      **FA30** Wood grain – White Oak <sup>1</sup>              **FA44** Midnight Blue Metallic –  
Textured  
**FA45** Copper Metallic                      **FA46** Charcoal Metallic –  
Textured                                      **FA47** Bronze Metallic – Textured              **FA52** Champagne Metallic  
**FA53** Red Metallic – Textured

<sup>1</sup> Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.

**15. 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

**16. EMERGENCY**

- E0 Not required
- E1 Emergency system - Integral <sup>1</sup>
- E3 Emergency generated circuit <sup>1</sup>

<sup>1</sup> Not available in 347V. Available upon request, consult factory for details.

**17. CIRCUITS**

- CS1 Single circuit
- CS2 Dual circuit <sup>1</sup>

**18. SENSORS**

Compatible with Avi-On, Casambi, Enlighted, Lutron Vive, nLight, NX Lighting Controls, Osram, Philips, and others. Consult factory.

**7 TECHNICAL DATA**

**LUMINAIRE**

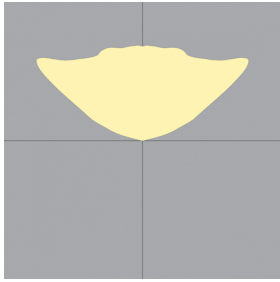
For larger sizes, refer to Tunnel Systems. One power cord for every 50 linear feet.

Code	TLCQ1P01	TLCQ1P02	TLCQ1P05	TLCQ2P01	TLCQ2P02	TLCQ2P05
Light Direction						

**8 PERFORMANCE DATA**

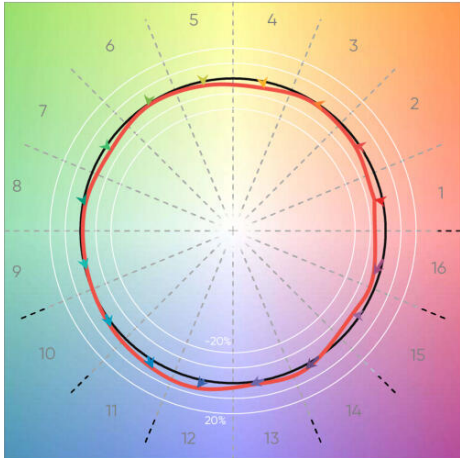
DIRECT COMFORT (DD4)	LUMEN/FT	WATT/FT	LPW	DIRECT BATWING (DD2)	LUMEN/FT	WATT/FT	LPW
	1400	13	103		1400	13	108
	1200	11	106		1200	11	112
	1000	9	109		1000	9	115
	800	7	112		800	7	118
	600	5	115		600	5	121
	400	3	119		400	3	124
	200	2	120		200	2	129

**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

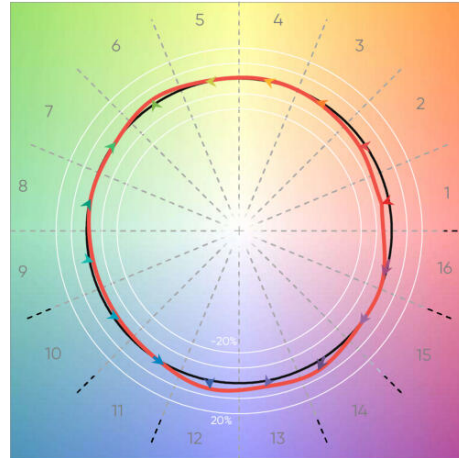
**9 TM-30 DATA**

**CCT 2700K**



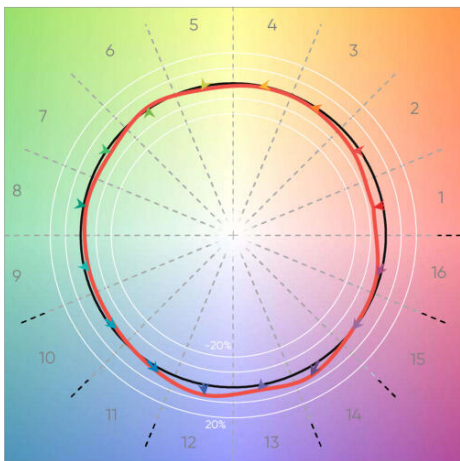
<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	61
<b>TM30(Rf)</b>	91
<b>TM30(Rg)</b>	98
<b>Duv</b>	-0.0022

**CCT 3000K**



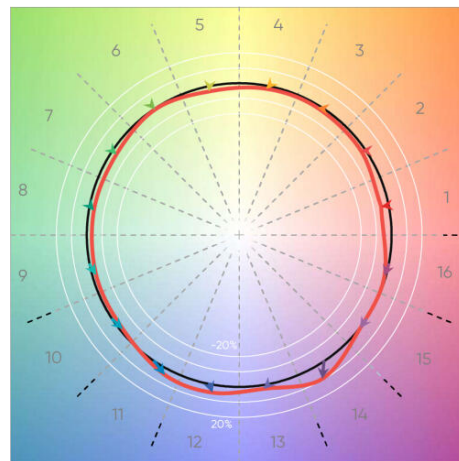
<b>CRI(Ra)</b>	92
<b>CRI(R9)</b>	58
<b>TM30(Rf)</b>	92
<b>TM30(Rg)</b>	100
<b>Duv</b>	-0.0003

**CCT 3500K**



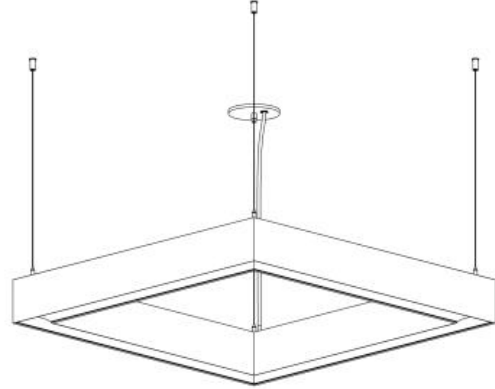
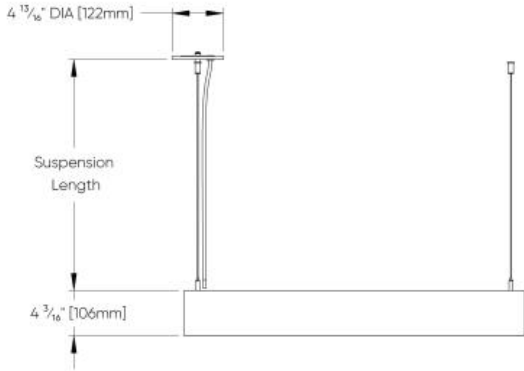
<b>CRI(Ra)</b>	91
<b>CRI(R9)</b>	53
<b>TM30(Rf)</b>	90
<b>TM30(Rg)</b>	99
<b>Duv</b>	-0.0007

**CCT 4000K**

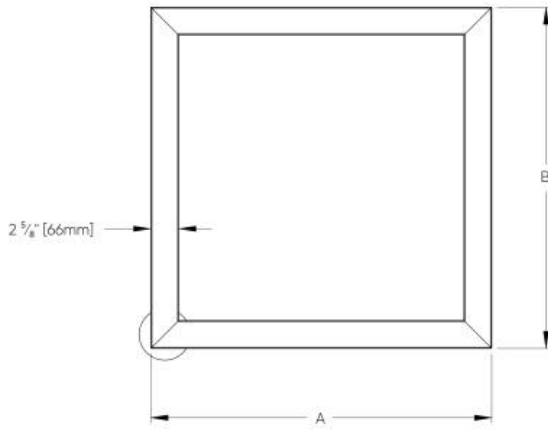


<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	64
<b>TM30(Rf)</b>	90
<b>TM30(Rg)</b>	98
<b>Duv</b>	0.0000

**10** DIMENSIONAL DIAGRAMS



ISOMETRIC BOTTOM VIEW



Luminaire	A	B
TLCQ1P01/TLCQ2P01	27 <sup>3</sup> / <sub>16</sub> " [690mm]	27 <sup>3</sup> / <sub>16</sub> " [690mm]
TLCQ1P02/TLCQ2P02	51 <sup>3</sup> / <sub>16</sub> " [1300mm]	51 <sup>3</sup> / <sub>16</sub> " [1300mm]
TLCQ1P05/TLCQ2P05	27 <sup>3</sup> / <sub>16</sub> " [690mm]	51 <sup>3</sup> / <sub>16</sub> " [1300mm]