



# TUNNEL QUAD™

## FULL SPECIFICATION SHEET



Fixture Type

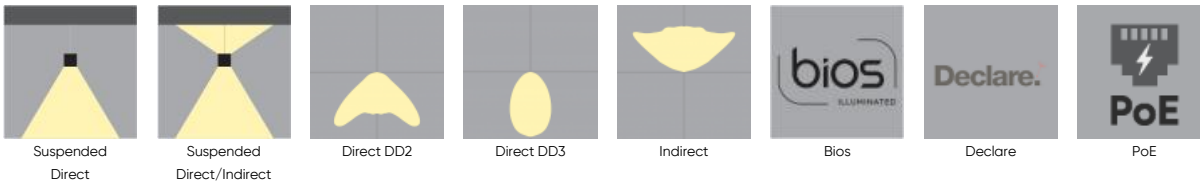
Fixture Code

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 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.

### 2 MOUNTING & OPTICS



### 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+

### 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.

### POWER CABLE

Silver braided.

### BIOS

For circadian lighting, consult factory.

### RGBW

RGBW available, consult factory.

### DIFFUSER

Opal acrylic. 2.4" width

### MECHANICAL

Luminaires mount directly over J box (by others).

### ESTIMATED L70 @25°C (77°F)

> 165,000 hrs @ 2000 lumens/ft (6000 lumens/m)

### SENSORS

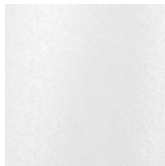



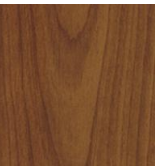
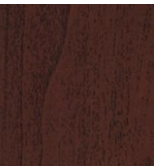


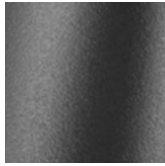



Compatible with Avi-On, Casambi, Enlighted, Lutron Vive, nLight, NX Lighting Controls, Osram, Philips, and others. Consult factory.

### DESIGN

US Design Patent Pending.

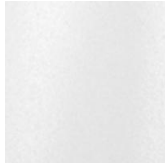
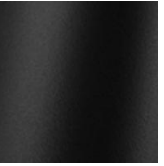
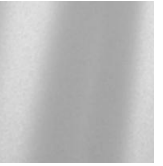
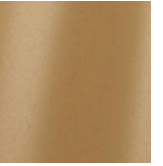


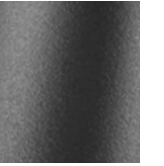

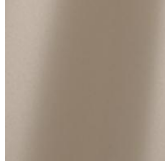

**5 DESIGN OPTIONS**

**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>	Midnight Blue Metallic - Textured	Copper Metallic
							
Charcoal Metallic - Textured	Bronze Metallic - Textured	Champagne Metallic	Red Metallic - Textured				

<sup>1</sup> Longer lead times may apply, consult factory.

**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**

**A. LUMINAIRE**

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

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

**B. LUMENS/FT (DIRECT)**

<b>LPF020</b> 200 lm/ft	<b>LPF040</b> 400 lm/ft	<b>LPF060</b> 600 lm/ft	<b>LPF080</b> 800 lm/ft
<b>LPF100</b> 1000 lm/ft	<b>LPF120</b> 1200 lm/ft	<b>LPF140</b> 1400 lm/ft	

**C. LUMENS/FT (INDIRECT)**

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

**D. CRI**

<b>CR80</b> CRI 80+	<b>CR90</b> CRI 90+
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**E. CCT DIRECT**

<b>CTA27</b> 2700K	<b>CTA30</b> 3000K	<b>CTA35</b> 3500K	<b>CTA40</b> 4000K
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**F. CCT INDIRECT**

<b>CTB00</b> Not required	<b>CTB27</b> 2700K	<b>CTB30</b> 3000K	<b>CTB35</b> 3500K
<b>CTB40</b> 4000K			

**G. DIRECT DIFFUSER**

<b>DD2</b> Batwing diffuser	<b>DD3</b> Diffused light diffuser <sup>1 2</sup>	<b>DD4</b> Comfort diffuser <sup>2</sup>
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<sup>1</sup> High output diffuser, all data shown based on this diffuser.

<sup>2</sup> 10% reduction from DD3. The comfort lens provides better control and softer distribution.

### H. INDIRECT DIFFUSER (BATWING)

**UD0** Not required                      **UD1** Clear diffuser (Batwing distribution)

### I. 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.

### J. 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.

### K. 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.

### L. 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.

### M. SUSPENSION

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

**N. FIXTURE FINISH**

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

<sup>1</sup> Longer lead times may apply, consult factory.

**O. CANOPY FINISH**

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

**P. EMERGENCY**

<b>E0</b> Not required	<b>E1</b> Emergency system - Integral <sup>1</sup>	<b>E3</b> Emergency generated circuit <sup>1</sup>
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<sup>1</sup> Not available in 347V. Available upon request, consult factory for details.

**Q. CIRCUITS**

<b>CS1</b> Single circuit	<b>CS2</b> Dual circuit <sup>1</sup>
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**R. SENSORS**

**7 TECHNICAL DATA**

**LUMINAIRE**

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

<b>Code</b>	<b>TLCQ1P01</b>	<b>TLCQ1P02</b>	<b>TLCQ1P05</b>	<b>TLCQ2P01</b>	<b>TLCQ2P02</b>	<b>TLCQ2P05</b>
<b>Light Direction</b>						

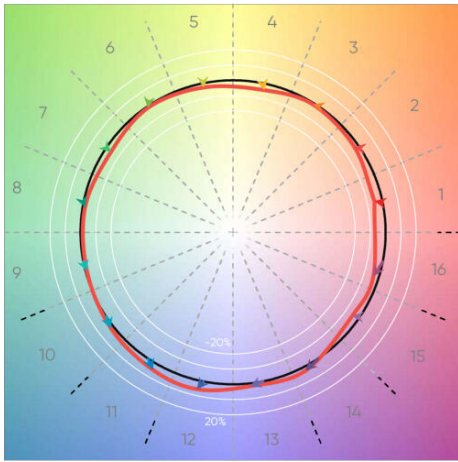
**8** PERFORMANCE DATA

DIRECT DIFFUSED (DD3)	LUMEN/FT	WATT/FT	LPW	DIRECT BATWING (DD2)	LUMEN/FT	WATT/FT	LPW
	1400	13	115		1400	13	108
	1200	11	118		1200	11	112
	1000	9	121		1000	9	115
	800	7	124		800	7	118
	600	5	128		600	5	121
	400	3	132		400	3	124
	200	2	134		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	

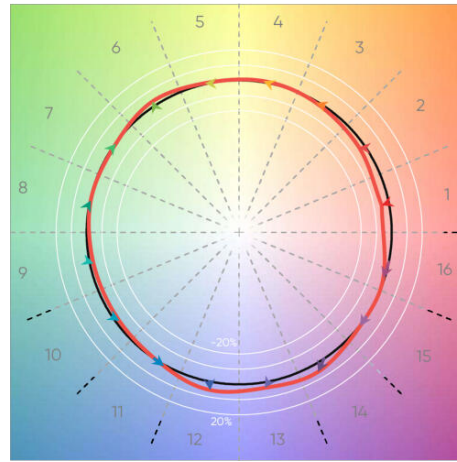
**9 TM-30 DATA**

**CCT 2700K**



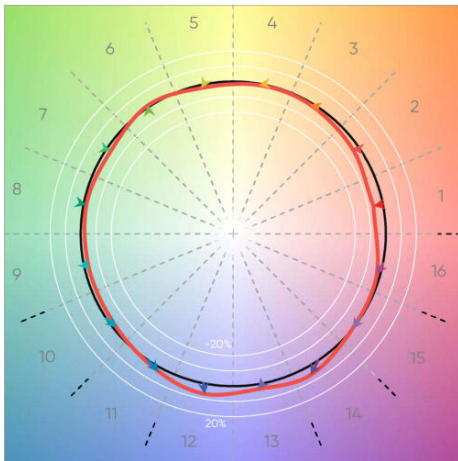
<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	61
<b>TM30(Rf)</b>	91
<b>TM30(Rg)</b>	98
<b>Duv</b>	-0.0022

**CCT 3000K**



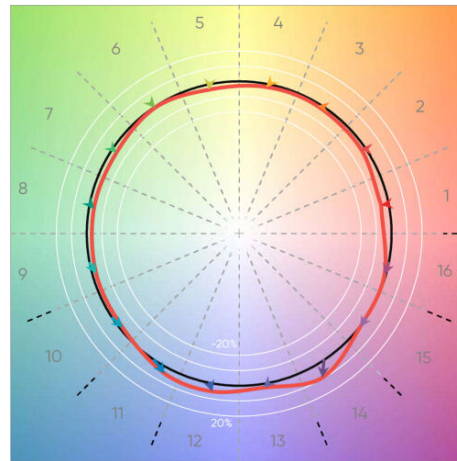
<b>CRI(Ra)</b>	92
<b>CRI(R9)</b>	58
<b>TM30(Rf)</b>	92
<b>TM30(Rg)</b>	100
<b>Duv</b>	-0.0003

**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

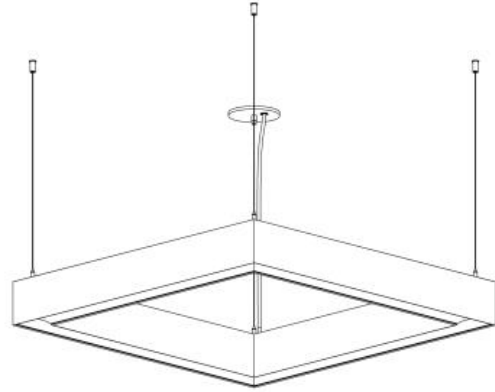
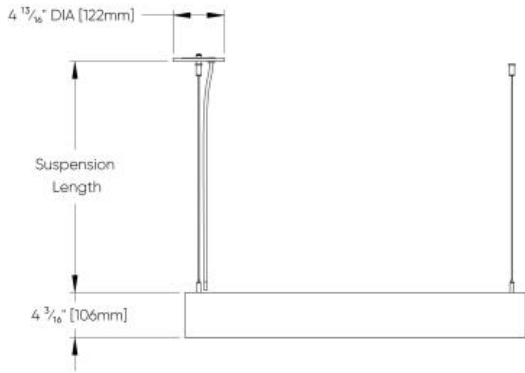
**CCT 4000K**



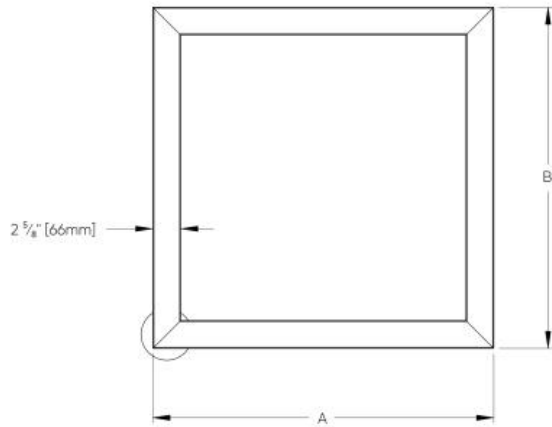
<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	64
<b>TM30(Rf)</b>	90
<b>TM30(Rg)</b>	98
<b>Duv</b>	0.0000



**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]