



12V | Fantasma™ Wall Titanium

CAT: FEET:

TYPE: PROJECT:



Discreet compact (1¼" x 1¼"), hidden light source tamper-resistant linear LED lighting system.

Features

- Optically clear polycarbonate co-extruded directional lens features 60° lighting cut-off for hidden, discreet illumination.
- Base and lens available in 8' field cuttable lengths with optional row indicator window.
- End-to-end continuous mounting with continuous 18AWG, 2 conductor through wires minimize voltage drop.
- Use with Tivoli's patented two-tone bullnose stair nosing with reflective edge.

Mounting

Designed for aisle walls and staircases with 18" minimum bend radius. Suggested mounting height above floor is 12"-16" for standard 4' pathway, up to 12" for pathway less than 4'. Up, Down, inside corner, outside corner, and straight run joiner brackets available for ease of installation.

Applications

Ideal for wall mounted step and aisle lighting applications.

Warranty

5 years



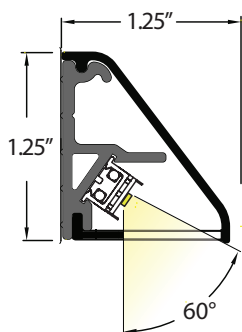
Technical Information

LED Color	1900K - 4000K	Red	Blue	Amber	1900K - 4000K	Red	Blue	Amber	1900K - 4000K	Red	Blue	Amber
LED PCB Spacing	6"				12"				16"			
*Lumens/ft	38	N/A			19	N/A			14.25	N/A		
*Watts/ft	1.10	1.54	1.16	1.26	0.55	0.77	0.58	0.63	0.4125	0.58	0.39	0.473
*Lumen/Watt	35	N/A			35	N/A				N/A		
CRI	>80/TYP83	N/A			>80/TYP83	N/A				N/A		
Kelvin Temp	1900K, 2700K, 3000K, 3500K, 4000K (+/-80K) 3SDCM, Red, Blue, Amber											
Rated Life	75,000 hrs.											
Max Run Length	33'	40'	28'	28'	65'	80'	55'	55'	86'	106'	73'	73'
Order Increments	8' Sections											
Operating Voltage	12V DC											
Power Supply	Class 2											
Dimmable	Yes											

*Based on 3000K Sample

Dimensions

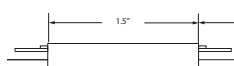
Single Illumination System



Optional Row Indicator Window



Profile Of Titanium LED Module





Recommended Power Supplies

ADUL - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-80-1-5-12-D	Indoor / Damp	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADUL-150-2-5-12-D				2	2x60W	2x5A
	ADUL-240-3-5-12-D				3	3x60W	3x5A
	ADUL-320-4-5-12-D				4	4x60W	4x5A

ADUL - 0-10V DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-80-1-5-12-DOT	Indoor / Damp	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADUL-150-2-5-12-DOT				2	2x60W	2x5A
	ADUL-240-3-5-12-DOT				3	3x60W	3x5A
	ADUL-320-4-5-12-DOT				4	4x60W	4x5A

ADUL - DMX SINGLE ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-80-1-5-12-DIN	Indoor / Damp	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADUL-150-2-5-12-DIN				2	2x60W	2x5A
	ADUL-240-3-5-12-DIN				3	3x60W	3x5A

ADUL - DMX MULTI ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-150-2-5-12-DIN-2	Indoor / Damp	100-277V AC 50/60 HZ	12V DC	2	2x60W	2x5A
	ADUL-240-3-5-12-DIN-3				3	3x60W	3x5A
	ADUL-320-4-5-12-DIN-4				4	4x60W	4x5A

INFINITY - MLV / ELV / 0-10V / PWM / TRIAC

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	MIN LOAD	CIRCUIT CAPACITY
Infinity Series Class 2 Transformer	INF-J-30-1-2.5-12	Indoor / Outdoor	100 - 277V AC	12V DC	1	30W	3W	2.5A
	INF-J-60-1-5-12				1	60W	6W	5A
	INF-J-180-3-5-12				3	3x60W	3x6W	3x5A
	INF-J-300-5-5-12				5	5x60W	5x6W	5x5A

Recommended Dimmers

DIMMING - 0-10V

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
0-10V Dimmer	DIM-LD-010	Indoor	12V/24V DC	12V/24V DC	30 mA max. output (sink only)

DIMMING - MLV

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
MLV Dimmer	N-600	Indoor	120V AC	120V AC	450W
	N-1000				800W
	N-1500				1200W
	D-600				450W
	M-600				450W
	M-1000				800W

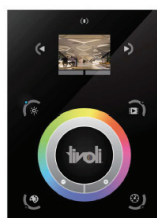
DIMMING - ELV

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
ELV Dimmer	ME-600	Indoor	120V AC	120V AC	450W
	DE-300				300W

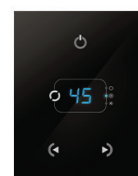
DMX CONTROL



TVOQ-1-WH
White



TVOQ-10-XX-7
XX = BK (Black), WH (White)



TVOQ-2-BK
Black



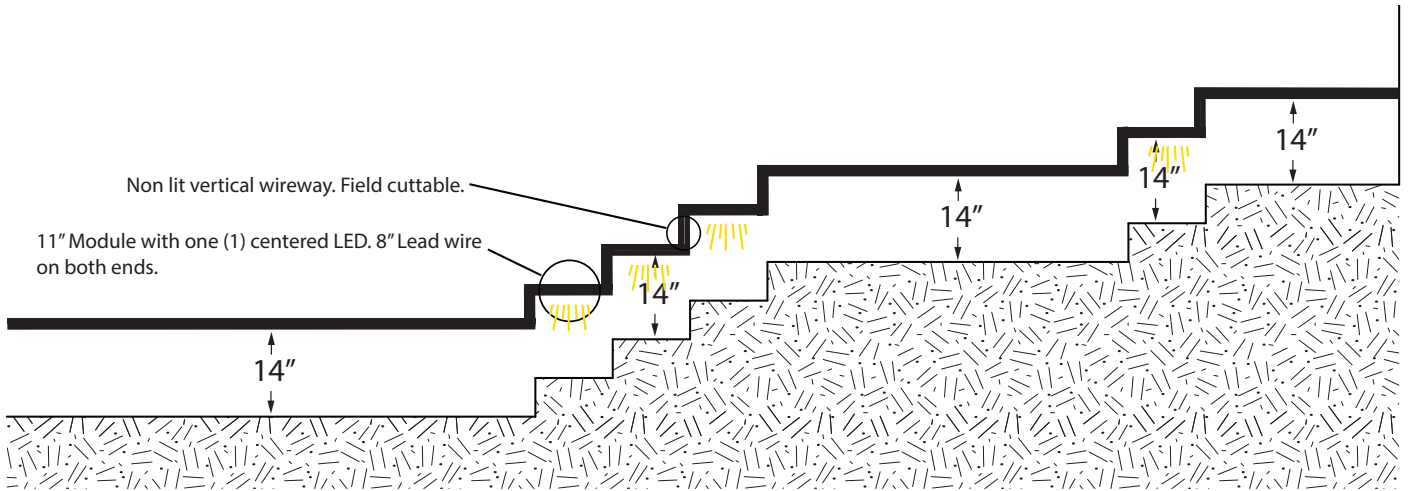
90° Vertical Outside



90° Vertical Inside

90° Vertical Inside and Outside Joints

Engineered for new theater formats that include reclining seats; these new brackets enable full cut off glare. The vertical part of the assembly over the stairs acts as a wire way to the Titanium LEDs installed on the horizontal portion over each step to achieve the full cut off of glare. This new method follows the stair lines versus the hand rail lines of the 35° joint.



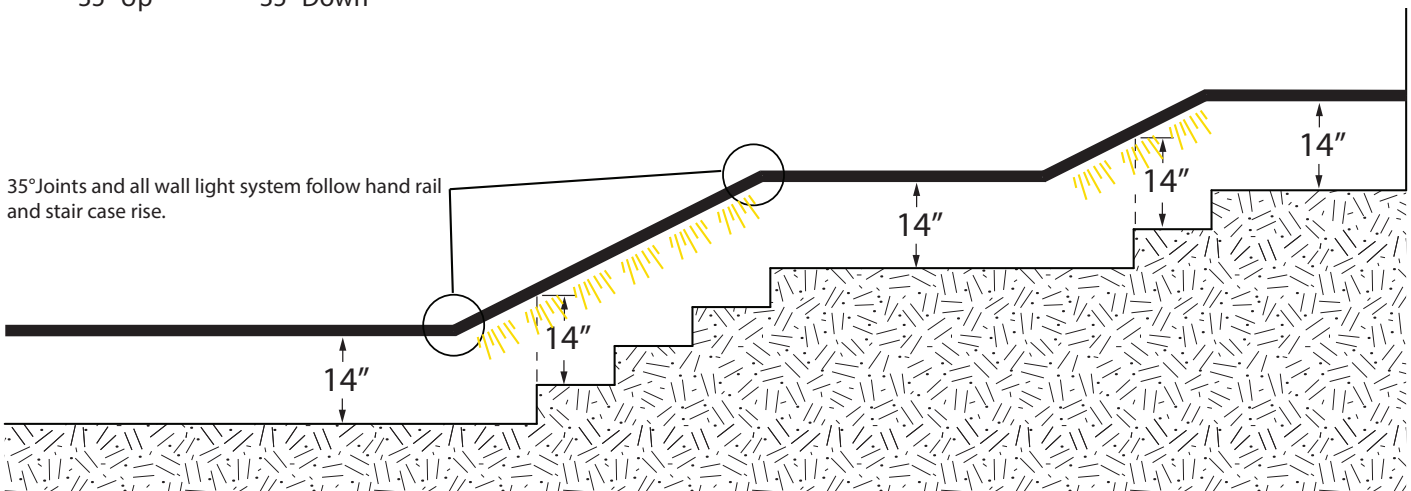
35° Up



35° Down

35° Joints

Engineered for 35° downward mounting angles over the stairs, in theaters, where standard seating and landing spacing are utilized. This method may not fully eliminate glare as with the 90° joints and installation method.



Ordering Information

PRODUCT CODE	PCB SPACING	LED	FINISH	FIXTURE LENGTH
FWTT	-	-	-	-
FWTT = Fantasma Wall Titanium	06 = 6" 12 = 12" 16 = 16"	19 = 1900K 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K AM = Amber RD = Red BL = Blue	M = Matte	8.0 = 8'

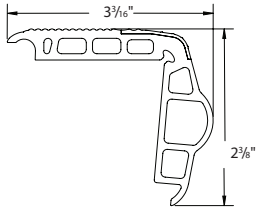
Mounting Accessories

FANTASMA END CAP FWTT-EC-L Left End Cap FWTT-EC-R Right End Cap	BS-CC-8 Wall wireway, 8' Black Base & Conduit Cover	JBOX-LP Junction box, low profile	BSL-PC-1/4 1/4" Flex Conduit, Black	FWTT-LENS-M-8 Fantasma lens - 8' WLS-BASE-8 Wall light system base - 8'	FWTT-JUMPER-2 24 inch lead jumper	TM-2-3/8 Self tapping wall screw, Phillips profile - 2 3/8" length	TM-1-1/2 Self tapping, deep cutting, corkscrew-like thread, Phillips profile - 1 1/2" length
FWTT-O-CRNR Outside corner joint, matte black	FWTT-I-CRNR Inside corner joint, matte black	FWTT-U-JNT Upward wall joint, matte black	FWTT-D-JNT Downward wall joint, matte black	FWTT-ST-JNT Straight joint, matte black	FWTT-OV-CRNR 90° Outside vertical Joint, matte black	FWTT-IV-CRNR 90° Inside vertical Joint, matte black	

Replacement Parts

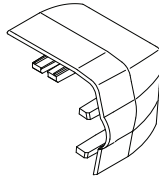
REPLACEMENT PCB FTT-LED-19 1900K FTT-LED-27 2700K FTT-LED-30 3000K FTT-LED-35 3500K FTT-LED-40 4000K FTT-LED-AM Amber FTT-LED-BL Blue FTT-LED-RD Red	REPLACEMENT STRAND WITH 6", 12", 16" O.C. LED PCB SPACING SOLD PER FT. - INDICATE AT TIME OF ORDERING XX = 06 (6"), 12 (12"), 16 (16") FTT-XX-STRAND-19 Replacement Strand With 1900K LED FTT-XX-STRAND-27 Replacement Strand With 2700K LED FTT-XX-STRAND-30 Replacement Strand With 3000K LED FTT-XX-STRAND-35 Replacement Strand With 3500K LED FTT-XX-STRAND-40 Replacement Strand With 4000K LED FTT-XX-STRAND-AM Replacement Strand With Amber LED FTT-XX-STRAND-BL Replacement Strand With Blue LED FTT-XX-STRAND-RD Replacement Strand With Red LED	ROW INDICATOR LED FTT-RI-19 1900K FTT-RI-27 2700K FTT-RI-30 3000K FTT-RI-35 3500K FTT-RI-40 4000K FTT-RI-RD Red FTT-RI-BL Blue FTT-RI-AM Amber REPLACEMENT WINDOW ONLY Snaps easily into position along installed base and interconnects with outer lens cover for seamless profile. FTT-WINDOW

TwoTone Bullnose & Accessories



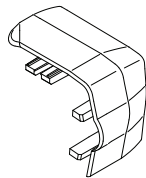
Bullnose Extrusion

- BNS-TT-GY-12**
TwoTone Bullnose, 12' length, Black/Gray Strip
- BNS-TT2-GY-12**
TwoTone Bullnose, 12' length, Black/2" Gray Strip
- BNS-SC-GY-12**
Bullnose, Solid Gray, 12' Length



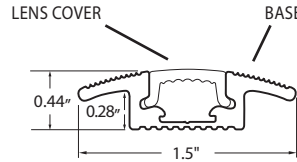
Bullnose End Caps

- BNS-TT-EC-L**
End Cap, Left Side Overlap Design, Black
- BNS-TT-EC-R**
End Cap, Right Side Overlap Design, Black



CC Bullnose End Caps (Carpet-To-Carpet)

- BNS-CC-TT-EC-L**
End Cap, Carpet-To-Carpet, Left Side, Black
- BNS-CC-TT-EC-R**
End Cap, Carpet-To-Carpet, Right, Black



CC & CW Wire Way Combo - Base & Lens

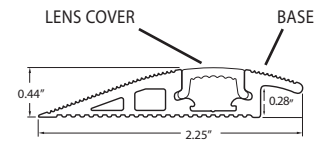
- WW-CC-BK-8**
Carpet to Carpet Base and Cover 8' - Black
- WW-CC-GY-8**
Carpet to Carpet Base and Cover 8' - Gray
- WW-CW-BK-8**
Carpet to Wall Base and Cover 8' - Black
- WW-CW-GY-8**
Carpet to Wall Base and Cover 8' - Gray

CC & CW Wire Way Base ONLY

- WW-CW-BS-8**
Base Only, Carpet to Wall, Black, 8'
- WW-CC-BS-8**
Base Only, Carpet to Carpet, Black, 8'

CC & CW Wire Way Lens ONLY

- WW-TC-CL-8**
Lens Cover Only, Clear, 8'
- WW-TC-BK-8**
Lens Cover Only, Black, 8'
- WW-TC-BZ-8**
Lens Cover Only, Bronze, 8'
- WW-TC-GY-8**
Lens Cover Only, Gray, 8'



CE Wire Way Combo - Base & Lens

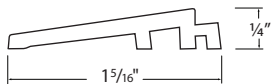
- WW-CE-BK-8**
Carpet to Edge Base and Cover 8' - Black
- WW-CE-GY-8**
Carpet to Edge Base and Cover 8' - Gray

CE Wire Way Base ONLY

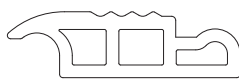
- WW-CE-BS-8**
Base Only, Carpet To Edge, Black, 8'

CE Wire Way Lens ONLY

- WW-TC-CL-8**
Lens Cover Only, Clear, 8'
- WW-TC-BK-8**
Lens Cover Only, Black, 8'
- WW-TC-BZ-8**
Lens Cover Only, Bronze, 8'
- WW-TC-GY-8**
Lens Cover Only, Gray, 8'



- BNS-TT-R-12**
Step Reducer, 12' Section



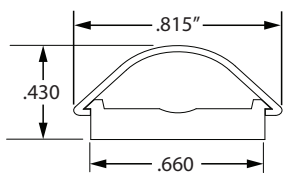
- STP-EXTNDR-12**
Bullnose Step Landing Tread Extender, 12'



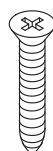
- ADH-MB-75AM-10**
Extrusion adhesive, 10.1 oz tubes, sold individually. 30 per case.
- ADH-MB-75AM-29**
Extrusion adhesive, 29 oz tubes, sold individually. 12 per case.



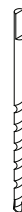
- ADH-IA-10.2-CA**
End Cap Adhesive, Clear liquid adhesive for end caps. 10.2 oz tubes sold individually. 12 per case.



- BS-CC-8**
Wall wireway, 8' Black Base & Conduit Cover



- TM-3/16**
Concrete Screw 3/16" x 1 3/4"



- RONDB-5/32**
Concrete Drill Bit 5/32"