



12V Fantasma™ Rail Titanium

CAT:	FEET:
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TYPE:	PROJECT:
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Discreet, rail-mounted, hidden source LED lighting system featuring an optically clear directional lens.

Compact (1¼" x 1¼") and tamper-resistant fixture offers hidden linear light source and full spectrum LEDs. Polycarbonate co-extruded directional lens with matte finish, features 65° lighting cut-off for hidden, discreet illumination. An optional row indicator window is available.

Efficient, modular design incorporates replaceable single SMP Titanium LED module that easily snap into Titanium series modules for easy and economical maintenance.

Use with Two-Tone Bullnose stair nosing with reflective edge.

Mounting

1 ½" diameter pole mount clamps offer 2" of adjustability based on specified lengths. i.e. 36" can be field adjusted to a 34" or 38" length.

Applications

Ideal for rail mounted aisle and step applications.

Warranty

5 years

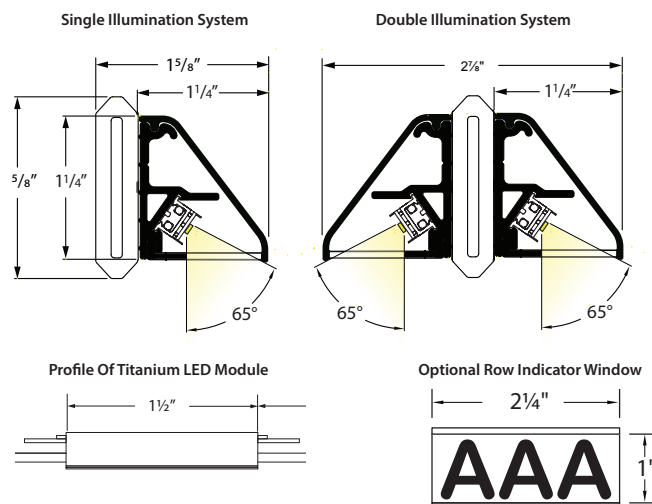


Technical Information

LEDs Spacing	6"
*Lumens/ft	39
*Watts/ft	1.1
*Lumen/watt	35
CRI	>80/TYP83
Kelvin Temp	1900K, 2700K, 3000K, 3500K, 4000K (+/- 80K) 3SDCM, Red, Blue, Amber
Rated Life	75,000 hrs.
Operating Voltage	12V DC
Power Supply	Class 2
Dimmable	Yes

* 3000K Sample, Single Illumination System

Profile Dimensions





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 5ø60 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 5ø60 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 5ø60 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 5ø60 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	12VDC	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	24V DC	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

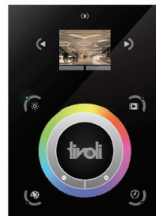
DIMMING - DMX

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT PROTOCOL	MAX UNIVERSE
DMX Controller	TVOQ-1-WH	Indoor	5V DC	DMX 512	1
	TVOQ-2-BK		6V DC		
	TVOQ-2-WH				
	TVOQ-10-BK-7		6-7V DC		2
	TVOQ-10-WH-7				



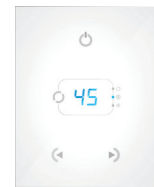
Touchscreen

TVOQ-1-WH
WH (White only)



Touchscreen

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



Touchscreen

TVOQ-2-XX
XX = BK (Black), WH (White)

Ordering Information

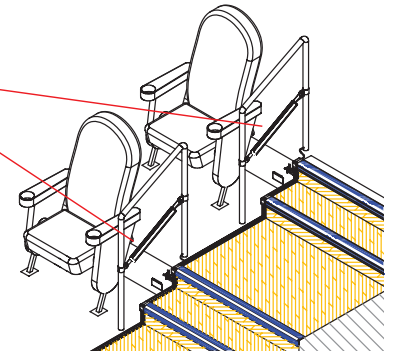
PRODUCT CODE	PCB SPACING	LED COLOR	FINISH	LENGTH	SINGLE OR DOUBLE ILLUMINATION	OPTIONAL ROW INDICATION	LED INDICATOR COLOR	REQUIRED POWER SUPPLY
FRT	06		M					PSU
FRT = Fantasma Rail Titanium	06 = 6"	19 = 1900K 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K AM = Amber RD = Red BL = Blue	M = Matte	02 = 11.5" - 24" 03 = 24.5" - 36" 04 = 36.5" - 48" 05 = 48.5" - 60" 06 = 60.5" - 72"	S = Single D = Double	RI = Row Indication* Row indicator option requires written details with order	19 = 1900K 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K AM = Amber RD = Red BL = Blue	See above
						*Leave blank if not required.		

Rail Length Ranges

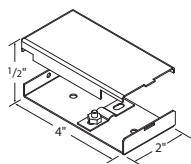
Rail Length	02 = 11.5" to 24"		03 = 24.5" to 36"		04 = 36.5 to 48"		05 = 48.5" to 60"		06 = 60.5" to 72"	
	S	D	S	D	S	D	S	D	S	D
PCBs per Fixture	2-3	4-6	3-5	6-10	5-6	10-12	6-9	12-18	9-11	18-22

How To Measure

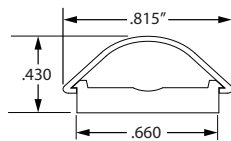
Rail lights are manufactured to fit provided dimensions with extension clamps completely extended. Measure from center of pole to center of pole along the plane of inclination.



Mounting Accessories & Replacement Parts



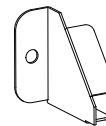
JBOX-LP
Junction box, low profile



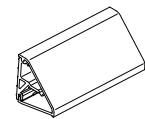
BS-CC-8
Wall wireway, 8' Black Base & Conduit Cover



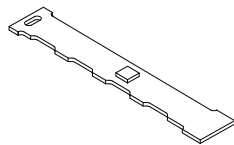
BSL-PC-1/4
1/4" Flex Conduit, Black



FANTASMA END CAP
FWTT-EC-L
Left End Cap
FWTT-EC-R
Right End Cap

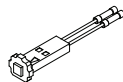


FWTT-LENS-M-8
Fantasma lens - 8'



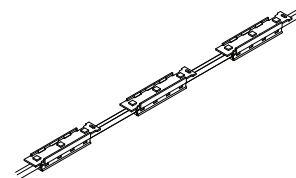
REPLACEMENT LED

FTT-LED-19 1900K	FTT-LED-40 4000K
FTT-LED-27 2700K	FTT-LED-AM Amber
FTT-LED-30 3000K	FTT-LED-BL Blue
FTT-LED-35 3500K	FTT-LED-RD Red



REPLACEMENT LED INDICATOR

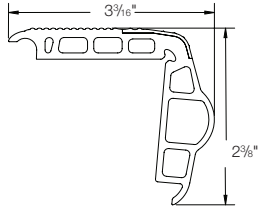
FTT-RI-19 1900K	FTT-RI-40 4000K
FTT-RI-27 2700K	FTT-RI-RD Red
FTT-RI-30 3000K	FTT-RI-BL Blue
FTT-RI-35 3500K	FTT-RI-AM Amber



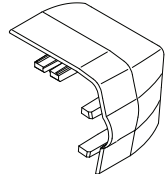
6" O.C. SPACING

FTT-06-STRAND-19 Replacement Strand With 1900K LED	FTT-06-STRAND-40 Replacement Strand With 4000K LED
FTT-06-STRAND-27 Replacement Strand With 2700K LED	FTT-06-STRAND-AM Replacement Strand With Amber LED
FTT-06-STRAND-30 Replacement Strand With 3000K LED	FTT-06-STRAND-BL Replacement Strand With Blue LED
FTT-06-STRAND-35 Replacement Strand With 3500K LED	FTT-06-STRAND-RD Replacement Strand With Red LED

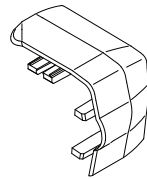
TwoTone Bullnose & Accessories



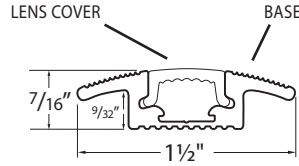
Bullnose Extrusion
BNS-TT-GY-12
 TwoTone Bullnose, 12' length, Black/Gray Strip
BNS-TT2-GY-12
 TwoTone Bullnose, 12' length, Black/2" Gray Strip
BNS-SC-GY-12
 Bullnose, Solid Gray, 12' Length



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



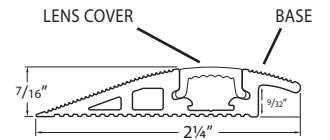
CC Bullnose End Caps (Carpet-To-Carpet)
BNS-CC-TT-EC-L
 End Cap, Carpet-To-Carpet, Left Side, Black
BNS-CC-TT-EC-R
 End Cap, Carpet-To-Carpet, Right, Black



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

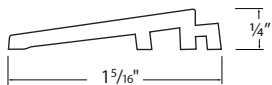
CC & CW Wire Way Base ONLY
WW-CW-BS-8
 Base Only, Carpet to Wall, Black, 8'
WW-CC-BS-8
 Base Only, Carpet to Carpet, Black, 8'

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'

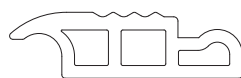


CE Wire Way Combo - Base & Lens
WW-CE-BK-8
 Carpet to Edge Base and Cover 8' - Black
WW-CE-GY-8
 Carpet to Edge Base and Cover 8' - Gray
CE Wire Way Base ONLY
WW-CE-BS-8
 Base Only, Carpet To Edge, Black, 8'

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



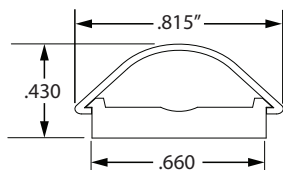
STP-EXTNDR-12
 Bullnose Step Landing Tread Extender, 12'



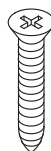
ADH-MB-75AM-10
 Extrusion adhesive, 10.1 oz tubes, sold individually, 30 per case.
ADH-MB-75AM-29
 Extrusion adhesive, 29 oz tubes, sold individually, 12 per case.



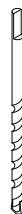
ADH-IA-10.2-CA
 End Cap Adhesive, Clear liquid adhesive for end caps. 10.2 oz tubes sold individually, 12 per case.



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"