12V | Illumiline™ Light Tubing

CAT:	FEET:
TYPE:	PROJECT:

Illumiline™ was engineered for outdoor or indoor use in architectural elements such as walkways, bridge structures, hand rails, stanchions, and outdoor cove applications.
Illumiline™ is designed for low maintenance and features low options of square or dome clear and lightly frosted rigid polycarbonate housings. Illumiline™ standard produces up to 120 Lumens/ft of even, consistent low voltage linear illumination.

Features
- 4x White CCTs (2700K – 6200K), Amber, Red, Blue
- High lumen output 120 Lumens/ft
- Available in square and dome housings
- IP66 (Indoor/Outdoor)

Mounting
Use mounting channel or mounting clips (1 per foot).

Application
For architectural elements such as walkways, bridge structures, wall wash, hand rail and outdoor cove applications.

1010: Rectangular (19/32" x 17/32") tubing available in lightly frosted polycarbonate.

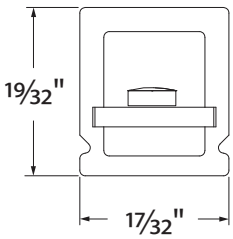
1011: Round top profile (21/32" x 17/32") tubing available in clear polycarbonate

Warranty
3 years

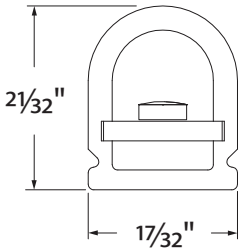
Technical Information

LED Spacing OC	11/16"
*Lumens/ft	120
Watts/ft	1.46
*Lumen/Watt	82
*CRI	92
Kelvin Temp	2700, 3000K, 4000K, 6200K, Amber, Red, Blue
Rated Life	60,000 hrs.
**Max Run Length	35' (per circuit)
Operating Voltage	12V DC
Operating Temperature	-20°F~ + 40°F
Power Supply	Class 2
Dimming	MLV, ELV, DMX, 0-10V
Environment	Outdoor
IP Ratting	IP66
Certifcation	cULus

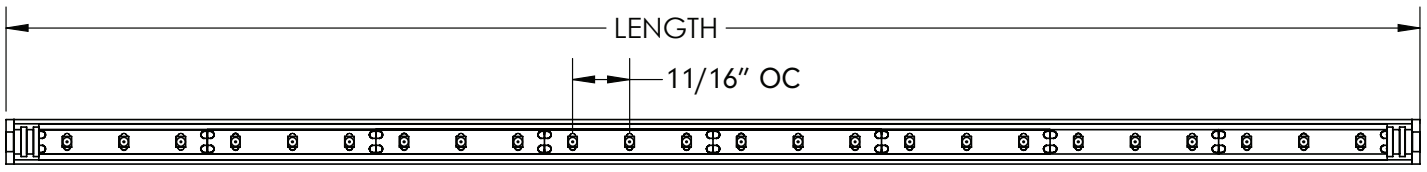
*Based 2700K
**Max tube length manufactured are 12'



1010 Profile



1011 Profile



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Ordering Information

NOTE: A light tube guide or drawing must accompany each order showing each tube length. Tube lengths can vary from 6" - 144" (12').

PRODUCT CODE		PROFILE		LED COLOR		VOLTAGE
ILTLB	-		-		-	12
ILT = Illumiline with LB TivoTape		1010 = Rectangular 1011 = Rounded		27 = 2700K 30 = 3000K 40 = 4000K 62 = 6200K AM = Amber RD = RED BL = BLUE		12 = 12V DC

Tube Lengths & End Preps
Please specify length of tube with quantity of run(s) and end prep type at time of ordering.
Note: Only (1) end prep needed for each run

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

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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	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

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		
	TVOQ-10-WH-7				2

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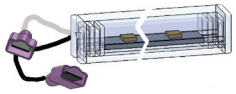
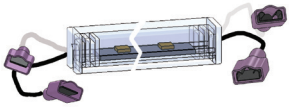
Wiring Accessories - Indoor End Preps

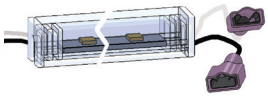
Note: Wiring end preps must be ordered for indoor or outdoor application use.



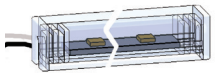
ILT-10-EP-1-LED
END PREP FOR 1010
3" black and white 18AWG wire connector lead with male spade connectors on the leading end and dead end on the trailing end.
Polarity: white: +, black: –



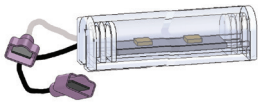
ILT-10-EP-2-LED
END PREP FOR 1010
3" black and white 18AWG wire connector lead with male spade connectors on leading end and female spade connectors on the trailing end.
Polarity: white: +, black: –



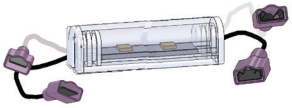
ILT-10-EP-3-LED
END PREP FOR 1010
24" black and white 18AWG lead wires on leading end, 3" black and white 18GA wire connector lead with female spade connectors on trailing end. Polarity: white: +, black: –



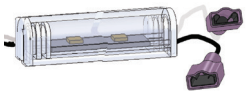
ILT-10-EP-4-LED
END PREP FOR 1010
24" black and white 18AWG lead wires on leading end, dead end on the trailing end.
Polarity: white: +, black: –



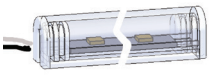
ILT-11-EP-1-LED
END PREP FOR 1011
3" black and white 18AWG wire connector lead with male spade connectors on leading end, dead end on the trailing end. Polarity: white: +, black: –



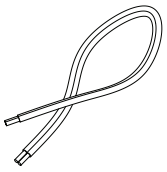
ILT-11-EP-2-LED
END PREP FOR 1011
3" black and white 18AWG wire connector lead with male spade connectors on leading end and female spade connectors on the trailing end.
Polarity: white: +, black: –



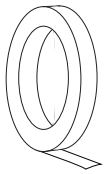
ILT-11-EP-3-LED
END PREP FOR 1011
24" black and white 18AWG lead wires on one end and 3" black and white 18GA wire connector lead with female spade connectors on the trailing end. Polarity: white: +, black: –



ILT-11-EP-4-LED
END PREP FOR 1011: 24" black and white 18AWG lead wires on leading end, dead end on the trailing end.
Polarity: white: +, black: –



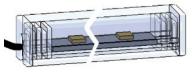
ILT-XEP-18-BW
Extra length 18AWG black and white lead wire (per foot) to extend any wire lead lengths



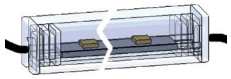
DBL-TP
Tubing double sided tape
¼"W X 25'

Wiring Accessories - Outdoor End Preps

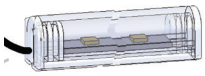
Note: Wiring end preps must be ordered for indoor or outdoor application use.



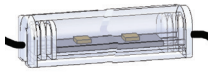
ILT-10-EP-C-LED
END PREP FOR 1010
24" 18AWG black outdoor cable wire on leading end and a dead end on the trailing end



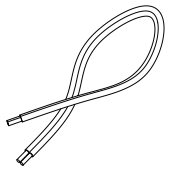
ILT-10-EP-D-LED END PREP FOR 1010
24" 18AWG black outdoor cable wire lead on both ends



ILT-11-EP-C-LED
END PREP FOR 1011
24" 18AWG black outdoor cable wire lead on leading end and a dead end on the trailing end

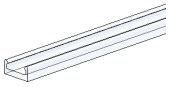


ILT-11-EP-D-LED
END PREP FOR 1011
24" 18AWG black outdoor cable wire lead on both ends

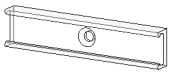


ILT-XEP-18-BK
Extra length 18AWG black outdoor cable wire (per foot) to extend any wire lead lengths

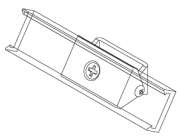
Mounting Accessories



MCHAN-8-LP
Low Profile Mounting channel 8' length clear polycarbonate



ILT-MCL-LP
Low Profile Mounting clip 3" clear polycarbonate (1 per ft) for slight arch applications



ILT-ADJ-MOUNT-LP2
Directional mounting bracket with +/-45° angle adjustment

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