

Advantages of Tara LED Landscape Lighting

for the Homeowner...

- **Spectacular Effects**
 - * Even Illumination - No Dark Zones
 - * Warm White Light Colors
 - * No UV or IR to Attract Insects
 - * Night Sky Friendly
- **Green Product**
 - * Energy Efficient - Uses Up To 90% Less Electricity
 - * Low Heat - Cool to the Touch
 - * No Mercury or Hazardous Materials
 - * Eco-Friendly Fixtures
- **Unsurpassed Design**
 - * Long Life - Over 20 Years with Normal Use
 - * Fully Dimmable Using Select Controls
 - * Compact and Durable
- **Made in the USA**

for the Installer...

- **No Hassle Installation**
 - * Less Labor - Quick Connections
 - * Easy to Conceal
 - * Wide Range of Adjustability
- **Smart Power Supplies**
 - * Low Line Losses
 - * Small Size
 - * Auto Reset Short Protection
 - * Efficient at Any Load
 - * Very Long Life

for the Dealer...

- **No Headache Product**
 - * Simple Order Forms
 - * Short Lead Times
 - * No Call-Backs after Install
- **Enhanced Margins**
 - * Competitive Pricing - Factory Direct
 - * Not Sold On-Line

The Lighting Division



Life in a New Light

www.thelightingdivision.com

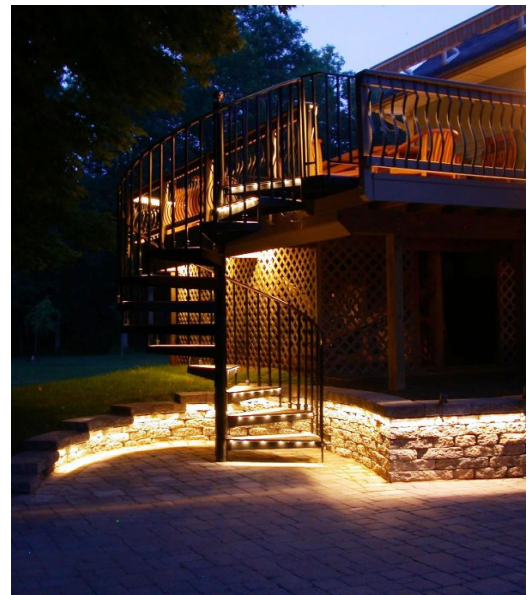
The Lighting Division
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Rochester, NY 14612
Phone: 585.697.0093
Fax: 585.663.1432

Revised 11.10.2008

Application Photos - Decks and Stairs



Deck Railings - Tara Bright Hardscape Fixtures
Gazebo Ceiling - Tara Nova Hardscape Fixtures



Circular Stair Treads:
Tara Night Light Hardscape Fixtures

Retaining Wall:
Tara Standard Hardscape Fixtures

Stair Deck Railings:
Tara Bright Hardscape Fixtures (7,300K)

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All Fixtures on This Page are
Warm White (2,800K) except as noted

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Application Photos - Outdoor Living



Arbor Downlight - Tara Bright
Hardscape Fixture in Tech White with
Diffuser Insert



Outdoor Kitchen - Tara Standard
Hardscape Fixture in Warm White



Outdoor Grill Station - Tara Standard
Hardscape Fixture in Warm White

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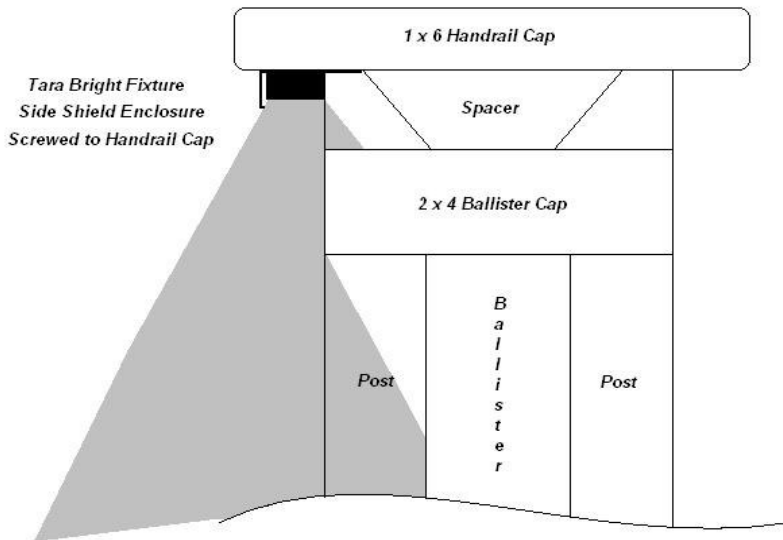
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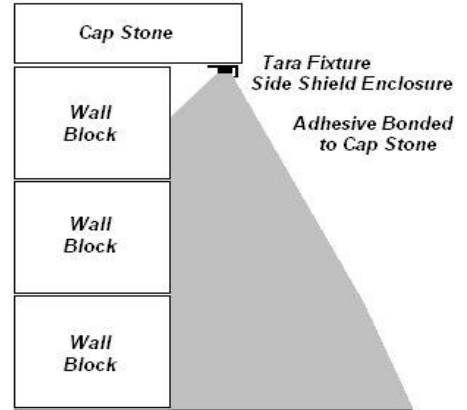
Mounting Methods in Pictures

(these are just a few of the many ways...)

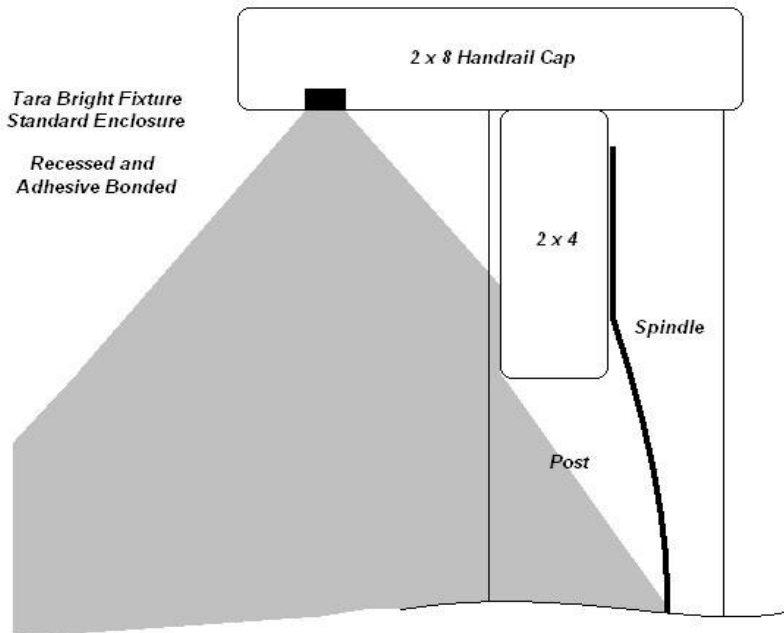
Gazebo Deck Railing Downlight



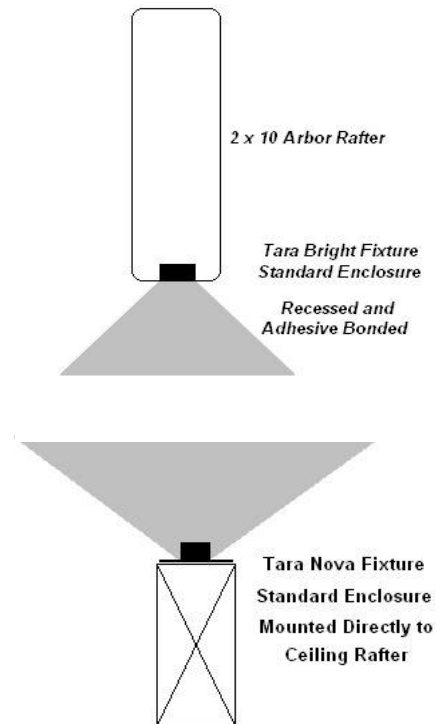
Hardscape Downlight



Recessed Deck Rail Downlight



Arbor Downlight



Gazebo Uplight

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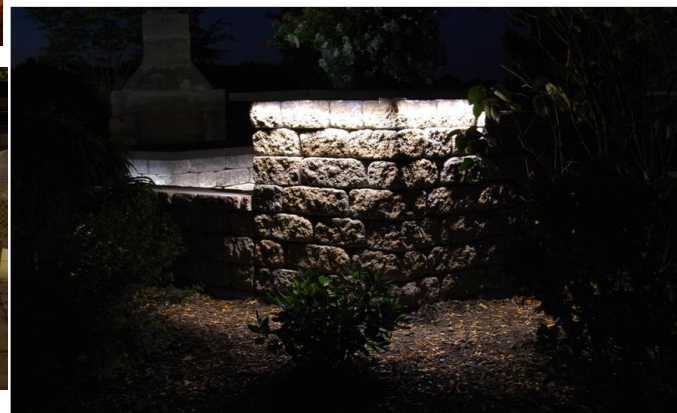
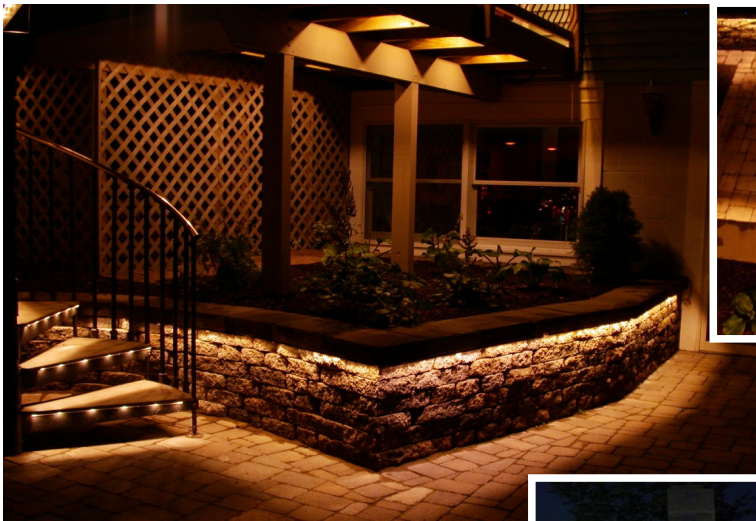
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Application Photos - Under Ledge Wall Wash



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Life in a New Light

All - Tara Standard Hardscape
Fixture in Warm White

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Tara Hardscape Fixture



Tara Nova Fixture

Light Level: Very Bright

Model Number	Fixture Length (Inches)	# of LEDs	Wattage
TBT-060-xx-y	6.00	4	3
TBT-120-xx-y	12.00	8	6
TBT-240-xx-y	24.00	16	12
TBT-480-xx-y	48.00	32	24

Tara Accent Fixture

Light Level: Bright

Model Number	Fixture Length (Inches)	# of LEDs	Wattage
TBH-055-xx-y	5.00	3	0.4
TBH-145-xx-y	14.00	9	1.2
TBH-235-xx-y	23.00	15	1.9
TBH-325-xx-y	32.00	21	2.7
TBH-460-xx-y	45.50	30	3.8

Light Level: Standard

Model Number	Fixture Length (Inches)	# of LEDs	Wattage
TB-085-xx-y	8.00	3	0.4
TB-175-xx-y	17.00	6	0.8
TB-355-xx-y	35.00	12	1.5
TB-445-xx-y	44.00	15	1.9

Light Level: Night Light

Model Number	Fixture Length (Inches)	# of LEDs	Wattage
TCN-145-xx-y	14.00	3	0.4
TCN-325-xx-y	32.00	6	0.8

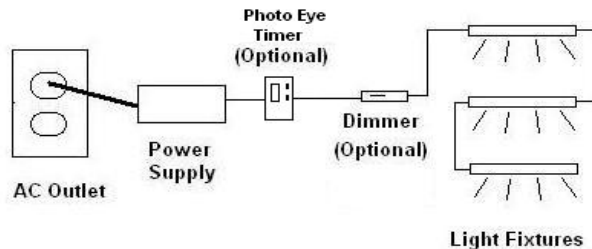
Power Supplies

Model Number	Power Level	Mounting Location
TLD-30WSO-F	30 Watts	Dry (Indoors or Enclosed Outdoors)
TLD-75WSO-F	75 Watts	Dry (Indoors or Enclosed Outdoors)
TLD-75WSO-DP	75 Watts	Damp Or Wet (Outdoors)

Accessories

Model Number	Description
TLD-OSD1	40 Watt Dimmer Module
TLD-OSD75	75 Watt Dimmer Module
TLD-OS	Photo Eye Timer

Circuit Guide

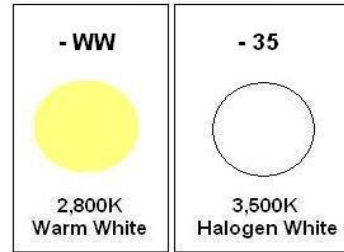


To Specify Fixture Use "xx" for Light Color and "y" for Enclosure Option

Fixture Section Dimensions and Light Color Options

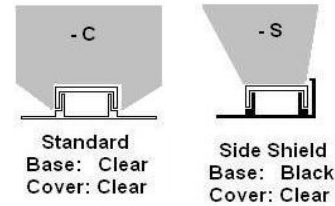
Light Color Options

Choose "WW" or "35"

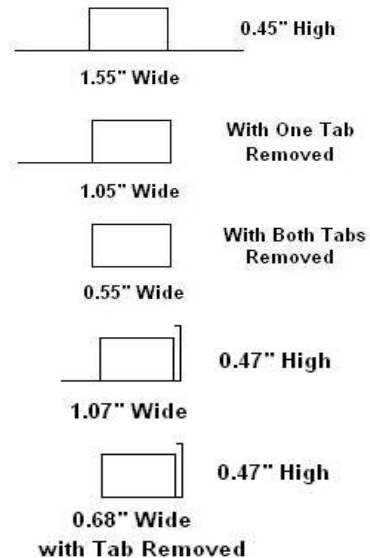


Enclosure Options

Choose "C" or "S"



Mounting Tabs can be Removed for Tight Space Installations



Linear Length Fit Guide For Tara Hardscape Fixtures

Call factory for linear measurements exceeding these tables

Very Bright						
Linear Length (Inches)		Fixtures Required				Run Wattage
		TBT-050	TBT-120	TBT-240	TBT-480	
6.0	to 12.0	1	-	-	-	3.0
12.0	to 18.0	-	1	-	-	6.0
18.0	to 24.0	1	1	-	-	9.0
24.0	to 30.0	-	-	1	-	12.0
30.0	to 36.0	1	-	1	-	15.0
36.0	to 42.0	-	1	1	-	18.0
42.0	to 48.0	1	1	1	-	21.0
48.0	to 54.0	-	-	-	1	24.0
54.0	to 60.0	1	-	-	1	27.0
60.0	to 66.0	-	1	-	1	30.0
66.0	to 72.0	1	1	-	1	33.0
72.0	to 78.0	-	-	1	1	36.0
78.0	to 84.0	1	-	1	1	39.0
84.0	to 90.0	-	1	1	1	42.0
90.0	to 96.0	1	1	1	1	45.0
96.0	to 102.0	-	-	-	2	48.0
102.0	to 108.0	1	-	-	2	51.0
108.0	to 114.0	-	1	-	2	54.0
114.0	to 120.0	1	1	-	2	57.0
120.0	to 126.0	-	-	1	2	60.0
126.0	to 132.0	1	-	1	2	63.0
132.0	to 138.0	-	1	1	2	66.0
138.0	to 144.0	1	1	1	2	69.0
144.0	to 150.0	-	-	-	3	72.0

Standard						
Linear Length (Inches)		Fixtures Required				Run Wattage
		TB-085	TB-175	TB-355	TB-445	
7.5	to 16.5	1	-	-	-	0.4
16.5	to 25.5	-	1	-	-	0.8
25.5	to 34.5	1	1	-	-	1.1
34.5	to 43.5	-	-	1	-	1.5
44.0	to 52.5	-	-	-	1	1.9
52.5	to 61.5	1	-	-	1	2.3
61.5	to 70.5	-	1	-	1	2.6
70.5	to 79.5	1	1	-	1	3.0
79.5	to 88.5	-	-	1	1	3.4
88.5	to 97.5	-	-	-	2	3.8
97.5	to 106.5	1	-	-	2	4.1
106.5	to 115.5	-	1	-	2	4.5
115.5	to 124.5	1	1	-	2	4.9
124.5	to 133.5	-	-	1	2	5.3
133.5	to 142.5	-	-	-	3	5.6
142.5	to 151.5	1	-	-	3	6.0
151.5	to 160.5	-	1	-	3	6.4
160.5	to 169.5	1	1	-	3	6.8
169.5	to 178.5	-	-	1	3	7.1
178.5	to 187.5	-	-	-	4	7.5
187.5	to 196.5	1	-	-	4	7.9
196.5	to 205.5	-	1	-	4	8.3
205.5	to 214.5	1	1	-	4	8.6
214.5	to 223.5	-	-	1	4	9.0
223.5	to 232.5	-	-	-	5	9.4
232.5	to 241.5	1	-	-	5	9.8
241.5	to 250.5	-	1	-	5	10.1
250.5	to 259.5	1	1	-	5	10.5
259.5	to 268.5	-	-	1	5	10.9
268.5	to 277.5	-	-	-	6	11.3

Bright						
Linear Length (Inches)		Fixtures Required				Run Wattage
		TBH-055	TBH-145	TBH-235	TBH-325	
4.5	to 9.0	1	-	-	-	0.4
9.0	to 13.5	2	-	-	-	0.8
13.5	to 18.0	-	1	-	-	1.1
18.0	to 22.5	1	1	-	-	1.5
22.5	to 27.0	-	-	1	-	1.9
27.0	to 31.5	1	-	1	-	2.3
31.5	to 36.0	-	-	-	1	2.6
36.0	to 40.5	1	-	-	1	3.0
40.5	to 45.0	2	-	-	1	3.4
45.0	to 49.5	-	-	-	-	3.8
49.5	to 54.0	1	-	-	-	4.1
54.0	to 58.5	2	-	-	-	4.5
58.5	to 63.0	-	1	-	-	4.9
63.0	to 67.5	1	1	-	-	5.3
67.5	to 72.0	-	-	1	-	5.6
72.0	to 76.5	1	-	1	-	6.0
76.5	to 81.0	-	-	-	1	6.4
81.0	to 85.5	1	-	-	1	6.8
85.5	to 90.0	2	-	-	1	7.1
90.0	to 94.5	-	-	-	2	7.5
94.5	to 99.0	1	-	-	-	7.9
99.0	to 103.5	2	-	-	-	8.3
103.5	to 108.0	-	1	-	-	8.6
108.0	to 112.5	1	1	-	-	9.0
112.5	to 117.0	-	-	1	-	9.4
117.0	to 121.5	1	-	1	-	9.8
121.5	to 126.0	-	-	-	1	10.1
126.0	to 130.5	1	-	-	1	10.5
130.5	to 135.0	2	-	-	1	10.9
135.0	to 139.5	-	-	-	-	11.3

Night Light				
Linear Length (Inches)		Fixtures Required		Run Wattage
		TCN-145	TCN-325	
13.5	to 31.5	1	-	0.4
31.5	to 49.5	-	1	0.8
49.5	to 67.5	1	1	1.1
67.5	to 85.5	-	2	1.5
85.5	to 103.5	1	2	1.9
103.5	to 121.5	-	3	2.3
121.5	to 139.5	1	3	2.6
139.5	to 157.5	-	4	3.0
157.5	to 175.5	1	4	3.4
175.5	to 193.5	-	5	3.8
193.5	to 211.5	1	5	4.1
211.5	to 229.5	-	6	4.5
229.5	to 247.5	1	6	4.9
247.5	to 265.5	-	7	5.3
265.5	to 283.5	1	7	5.6
283.5	to 301.5	-	8	6.0
301.5	to 319.5	1	8	6.4
319.5	to 337.5	-	9	6.8
337.5	to 355.5	1	9	7.1
355.5	to 373.5	-	10	7.5
373.5	to 391.5	1	10	7.9
391.5	to 409.5	-	11	8.3
409.5	to 427.5	1	11	8.6
427.5	to 445.5	-	12	9.0

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Revised 12.30.2008

Tara Hardscape Light Fixture Installation Instructions

Wiring Tara Hardscape Fixture

The Tara Hardscape Light is a low-voltage direct-current device that is safe for indoor and outdoor use. While the Tara Light does not require a certified electrician for installation, you may wish to consult with a professional installer if you are not familiar with basic low voltage wiring. Since the amount of power consumed by each Tara Light is so small, a number of fixtures may be powered by a single supply. Consult the wattage information on the Tara Hardscape product sheet.

Each end of the Grace Light has wiring terminals; however, connection to only one end is required to power a single fixture. You may use any wire suitable for low-voltage direct current, as the terminal will accept 16 to 24 AWG. We recommend the use of 20 to 24 AWG in most applications.



A Note the red mark to one side of the terminal; this indicates the positive voltage wire. Simply strip ¼” of the insulation from your wire, insert the wire into the opening immediately below the screw head, and secure by turning the screw clock-wise with a #00 Philips screwdriver. When the screw stops turning, tug lightly on the wire to check retention. To remove the wire from the terminal, back out the screw with the screwdriver by turning in the counter clock-wise direction. Secure the ground wire in the same fashion to the other position in the terminal. (Picture A)



B When connecting a second Tara Hardscape Light, you may connect to the opposite end of an adjacent light. Be sure to keep the same wire on the red indication for both lights. (Picture B)

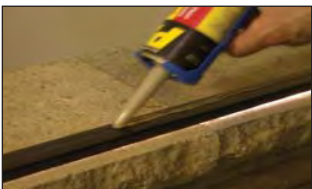
Finally to connect power, simply strip the wire insulation from the low voltage side of the power supply by ¼” and place the positive output in an open terminal with the red indicator. You can turn your Tara Light on and off by switching the power supply or you can install DC switches (available at most hobby stores). We also offer a number of low voltage DC dimmers as most AC dimmers will not function in LED light applications. We highly recommend powering the Tara Light before mounting them in order to see how your light will illuminate in the area you have chosen.

Mounting Tara Light

Before installing the Tara Light fixture it is recommended that the connecting wires are installed first for ease of installation. (Picture C) It is also recommended to power up a light fixture and hold in place to get an idea of the effect the light has on the wall by moving the fixture in and out if space permits. The mounting tab can be removed by scoring the top side of the tab along the inside edge with a sharp utility knife (see illustration). There are small grooves on the underside of the adhesive which once scored, the tabs can be peeled away. Tara Lights come with a side shield: such design hides the light source and allows tight placement along an inside corner of the retaining wall or any other architectural constructions with limited space. Removing both tabs creates the ability to recess the light into small pockets.

To mount the Tara fixture to a stone, brick, or cement surface it is recommended to use an adhesive suitable for these surfaces and the plastic light fixture for outdoor use. (Picture D) You can contact the hardscape material manufacturer for suggestions or we recommend using Polyurethane Premium Construction adhesive by PL. Please follow all warnings listed on the container by the manufacturer of this product. Once the fixtures have the wire connectors in place, run a small bead of adhesive down the back of the fixture. Place the fixture under the lip at the desired location and hold in place with a soft sided clamp, working your way down the construction until complete.

For added protection after the installation is complete, add silicone to the terminal blocks to prevent moisture from building up in these areas.



C



D

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Save Real Money with LED Lighting...

Incandescent Based Technology

Traditional Light Source

Pathway Light - 8 pcs
Bulb 10 Watt Xenon



Hardscape Accent Light - 12 pcs
Bulb 10 Watt Xenon

200 Watts

Annual Electricity Costs \$72 (operating 6 hours per night)
Annual Re-Lamping Cost \$36 (bulbs only - no labor)

LED Based Technology

LED Light Source

Pathway Light - 8 pcs
LED Array - 3 Watts

48 Watts



Hardscape Accent Light
48 Linear Feet
24 Watts of LED Fixtures

Annual Electricity Costs \$18
Annual Re-Lamping Cost \$0

Greater Light Output

No UV and No IR = No Bugs!

Five Year Savings	\$ 450
Ten Year Savings	\$ 900
Twenty Year Savings	\$ 1,800 !!!

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