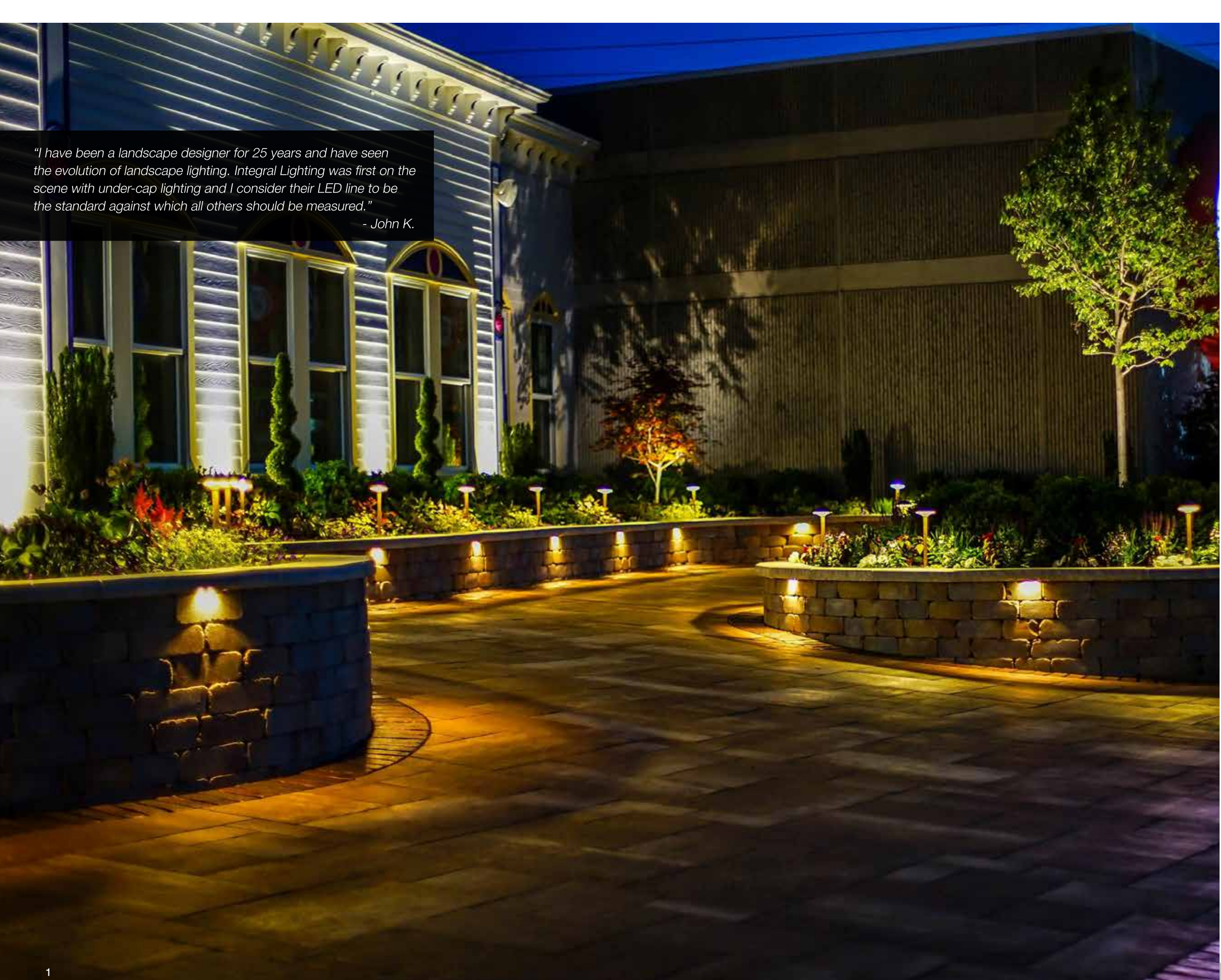




America's original hardscape light

Made in Pennsylvania



"I have been a landscape designer for 25 years and have seen the evolution of landscape lighting. Integral Lighting was first on the scene with under-cap lighting and I consider their LED line to be the standard against which all others should be measured."

- John K.

we believe
no hardscape should
be left in the dark...

At Integral Lighting, we want to improve your hardscape project with light. This is why we offer the most options, the most LED outputs and the most finishes in the hardscape lighting industry.

We care about all of the small details... from the design of the fixture itself, to how it will illuminate your choice of paver, to easy installation techniques, to how we can deliver it efficiently. We only release our fixtures after they have met our high standards for functionality and safety. Our company is shaping the future of outdoor lighting one light at a time.

Integral Lighting is proudly designed, manufactured, shipped and supported in Pennsylvania.

Discover how Integral Lighting can bring your project to life.



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our products

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customize your lighting

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IL6000

adjustable LED hardscape fixture

Regain control of your lighting system with our new IL6000 fixture. Designed and built with an adjustable bracket, the LED can pivot up to 45 degrees to direct light and remove hot spots from your wall. Each fixture is supplied with our new Thinsert®, an ultra thin stainless steel sleeve that slips over the insert plate to allow for easy extraction and reinsertion after installation.



IL6000.730.500 Platinum 3000K fixture shown

Construction

- › Dimensions 6" width x .75" height x 3" depth
- › Stainless steel 20g alloy 304
- › Unibody construction
- › Stainless steel LED bracket adjusts up to 45 degrees
- › Supplied with Thinsert® sleeve
- › Lifetime Limited Warranty
- › C/US UL Listed 1838 Low Voltage Landscape Lighting

Electrical

- › Low voltage 12vAC operation
- › Overmolded LED circuitry with renewable materials
- › IP68 certified waterproof
- › 2 watt energy consumption
- › Output similar to 10 watts
- › 72" long 18/2 leads for connection
- › Magnetic or electronic transformer compatible
- › LED life expectancy up to 40,000 hours

LED Color Outputs



2700K warm white
add suffix .200 to model number



3000K pure white
order as listed below



4200K cool white
add suffix .400 to model number

Fixture Finishes



IL6000.150.500
Brushed Stainless Steel



IL6000.700.500
Carbon



IL6000.710.500
Textured Bronze



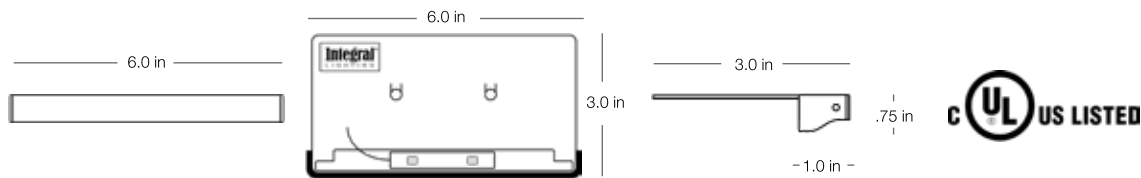
IL6000.730.500
Platinum



IL6000.770.500
Sandstone



scan for more information
or visit integral-lighting.com





stainless steel

outdoor LED kitchen fixtures

Today's outdoor kitchens are planned with as much detail as their indoor counterparts, with lighting being a key component. Our premium stainless steel fixtures are designed to seamlessly match outdoor kitchens, grills and cabinetry. The overmolded LED packages are attached with no visible fasteners to allow placement versatility... easily install under a capstone or anywhere within the wall. Available in four varied lengths and the choice of three LED color outputs to match the desired look and feel of your cooking area.



IL624.150.500 24" Stainless 3000K fixture shown

Construction

- › Various lengths available for project needs
- › Stainless steel 20g alloy 304
- › Unibody construction with blind fasteners
- › Integrated cleats for easy retrofits
- › Lifetime Limited Warranty
- › C/US UL Listed 1838 Low Voltage Landscape Lighting

Electrical

- › Low voltage 12vAC operation
- › Overmolded LED circuitry with renewable materials
- › IP68 certified waterproof
- › 72" long 18/2 leads for connection
- › Magnetic or electronic transformer compatible
- › LED life expectancy up to 40,000 hours

LED Color Outputs



2700K warm white
add suffix .200 to model number



3000K pure white
order as listed below



4200K cool white
add suffix .400 to model number

Models



IL600.150.500
Dimensions 6" width x .5" height
2 watt energy consumption
Output similar to 10 watts



IL612.150.500
Dimensions 12" width x .5" height
2 watt energy consumption
Output similar to 10 watts



IL618.150.500
Dimensions 18" width x .5" height
4 watt energy consumption
Output similar to 20 watts



IL624.150.500
Dimensions 24" width x .5" height
6 watt energy consumption
Output similar to 30 watts



scan for more information
or visit integral-lighting.com





our quality difference...

We invented the original insert-able hardscape light over a decade ago. Since then, we have manufactured countless fixtures and lit thousands of hardscapes.

As an intentionally small company, our focus is on integrity, quality and value.

Our people... the employees at Integral Lighting are well trained, experienced lighting enthusiasts.

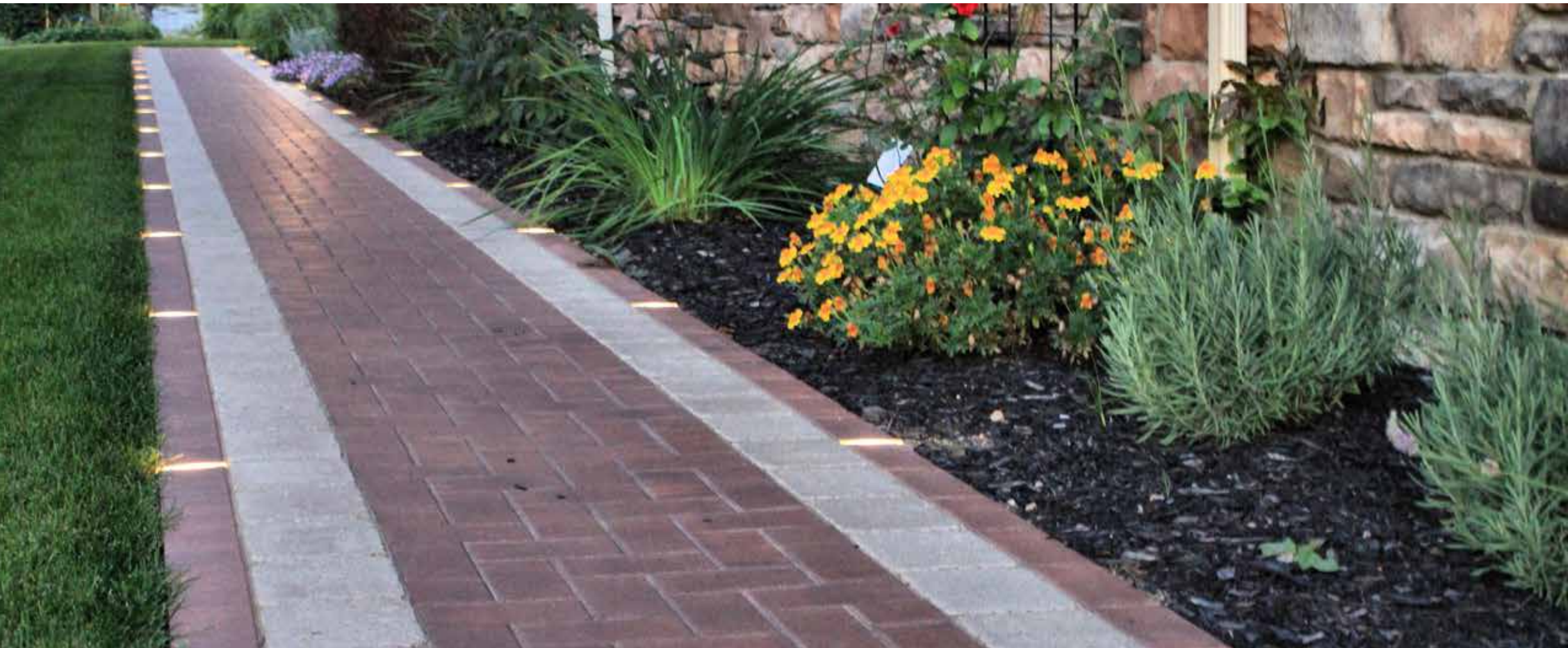
Our products... the lighting we manufacture delivers quality beyond what is expected. A quality product begins with the finest raw materials, and we make no exceptions. Our fixtures are tested and checked several times within each batch to confirm consistency.

Integral Lighting is committed to providing every customer with product and service held to the highest possible standards, assuring that our integrity, as well as yours, is never compromised.

"I was very pleased with the responsiveness and support provided by Integral Lighting. A highly professional organization with talented staff at the front line in client relationships."
- Bill H.



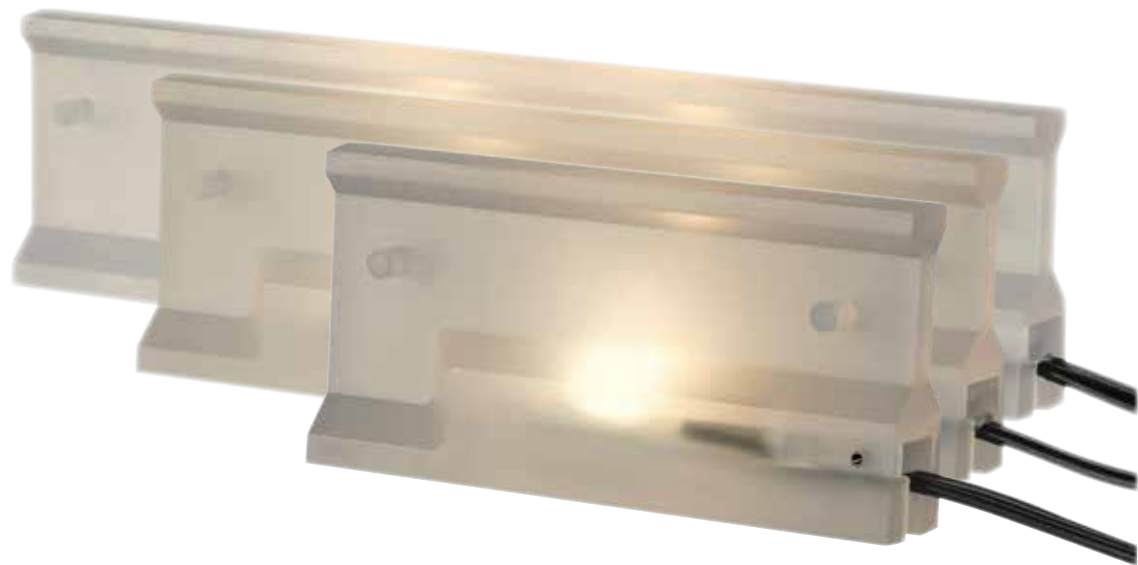
"Integral Lighting's customer service is beyond compare. You talk to a knowledgeable person who takes the time to answer your questions and ensures to send you reference material related to your inquiry. When placing an order, they are dependable and speedy."
- Christopher D.



pavelux®

LED paver lighting inserts

Our pavelux® LED paver lighting inserts quickly and discreetly into your hardscape accent border. Our intentionally simple design provides subtle, unobtrusive lighting to your pathways, patios, driveways, gardens and more. Each fixture is strong and solid, molded from UV resistant polycarbonate and requires no cutting or drilling for installation. Create a perfect entry to your home with choices of three standard lengths, and two LED color outputs.



Construction

- › Various lengths available to fit standard paver dimensions
- › Molded from UV resistant polycarbonate for durability
- › Integrated strain relief
- › Lifetime Limited Warranty
- › C/US UL Listed 1838 Low Voltage Landscape Lighting

Electrical

- › Low voltage 12vAC operation
- › Energy efficient LED package
- › IP67 certified waterproof
- › 72" long 18/2 leads for connection
- › Magnetic or electronic transformer compatible
- › LED life expectancy up to 40,000 hours

LED Color Outputs



2400K ultrawarm white
order model with suffix .550



3000K pure white
order model with suffix .500

Models



IP4.100.500
4" length
1 watt energy consumption
3000K pure white



IP4.100.550
4" length
.25 watt energy consumption
2400K ultrawarm white



IP6.100.500
6" length
2 watt energy consumption
3000K pure white



IP6.100.550
6" length
.5 watt energy consumption
2400K ultrawarm white

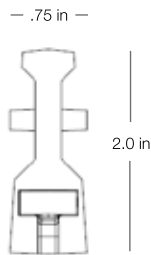


IP8.100.500
8" length
2 watt energy consumption
3000K pure white

IP8.100.550
8" length
.5 watt energy consumption
2400K ultrawarm white



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or visit integral-lighting.com



side view of pavelux® installed





IL4

LED hardscape fixture

Our IL4 LED is the best way to illuminate tight spaces or create a subtle ambience in your outdoor living area. Create visual “scenes” by accenting unique aspects of your property and increase the usability and security of your space after dark. This fixture is available with your choice of 19 durable finishes and three interchangeable LED color outputs.



IL4.250.500 Clay 3000K fixture shown

Construction

- › Dimensions 4" width x .5" height x 3" depth
- › Heavy duty field-replaceable faceplate
- › Self leveling insert is stainless steel 18g alloy 304
- › 6-32 slotted copper, brass or stainless steel screws
- › Lifetime Limited Warranty
- › C/US UL Listed 1838 Low Voltage Landscape Lighting

Electrical

- › Low voltage 12vAC operation
- › Overmolded LED circuitry with renewable materials
- › IP68 certified waterproof
- › 1 watt energy consumption
- › Output similar to 5 watts
- › 72" long 18/2 leads for connection
- › Magnetic or electronic transformer compatible
- › LED life expectancy up to 40,000 hours

LED Color Outputs



2700K warm white
add suffix .200 to model number



3000K pure white
order as listed below



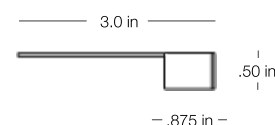
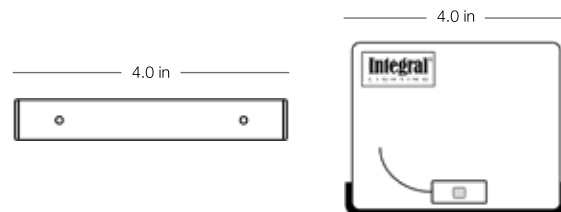
4200K cool white
add suffix .400 to model number

Fixture Finishes

IL4.105.500 Solid Copper	IL4.125.500 Solid Brass	IL4.125A.500 Solid Antique Brass	IL4.150.500 Brushed Stainless Steel	IL4.200.500 Black	IL4.225.500 Bronze	IL4.250.500 Clay
IL4.275.500 Putty	IL4.300.500 Brick Red	IL4.325.500 White	IL4.350.500 Bone	IL4.375.500 Sand	IL4.400.500 Mud	IL4.425.500 Terracotta
IL4.450.500 Pebble	IL4.475.500 Stone	IL4.500.500 Slate	IL4.780.500 Light Concrete	IL4.790.500 Dark Concrete		



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IL6

LED hardscape fixture

Allow your hardscape walls and columns to come to life in the evening hours. Our IL6 LED fixture is our most popular, with the perfect combination of slim profile, energy efficiency and generous LED output. All of our raw materials are strong, durable and noncorrosive to ensure they last the lifetime of your hardscape. This fixture is customizable with 19 professional finishes and three LED color outputs.



IL6.125A.500 Antique Brass 3000K fixture shown

Construction

- › Dimensions 6" width x .5" height x 3" depth
- › Heavy duty field-replaceable faceplate
- › Self leveling insert is stainless steel 18g alloy 304
- › 6-32 slotted copper, brass or stainless steel screws
- › Lifetime Limited Warranty
- › C/US UL Listed 1838 Low Voltage Landscape Lighting

Electrical

- › Low voltage 12vAC operation
- › Overmolded LED circuitry with renewable materials
- › IP68 certified waterproof
- › 2 watt energy consumption
- › Output similar to 10 watts
- › 72" long 18/2 leads for connection
- › Magnetic or electronic transformer compatible
- › LED life expectancy up to 40,000 hours

LED Color Outputs



2700K warm white
add suffix .200 to model number



3000K pure white
order as listed below



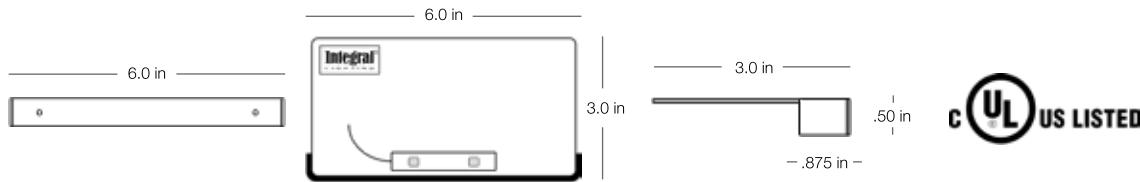
4200K cool white
add suffix .400 to model number

Fixture Finishes

IL6.105.500 Solid Copper	IL6.125.500 Solid Brass	IL6.125A.500 Solid Antique Brass	IL6.150.500 Brushed Stainless Steel	IL6.200.500 Black	IL6.225.500 Bronze	IL6.250.500 Clay
IL6.275.500 Putty	IL6.300.500 Brick Red	IL6.325.500 White	IL6.350.500 Bone	IL6.375.500 Sand	IL6.400.500 Mud	IL6.425.500 Terracotta
IL6.450.500 Pebble	IL6.475.500 Stone	IL6.500.500 Slate	IL6.780.500 Light Concrete	IL6.790.500 Dark Concrete		



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or visit integral-lighting.com





if made in America is important to you, Integral Lighting is a name you can trust...

As an intentionally small Pennsylvania company, we have remained committed as an American manufacturer for over 30 years.

We believe that US-sourced product is key to our success, as well as the success of our country. When you purchase Integral Lighting, whether it's a single light fixture, or a box of 50, you're encouraging both independent and economic growth. Keeping your dollars in the United States helps to strengthen your local neighborhoods, build fresh opportunities and create new jobs for small businesses everywhere.

Our integrity, quality products and exceptional service has kept us America's choice for hardscape lighting.





IL600

LED hardscape fixture

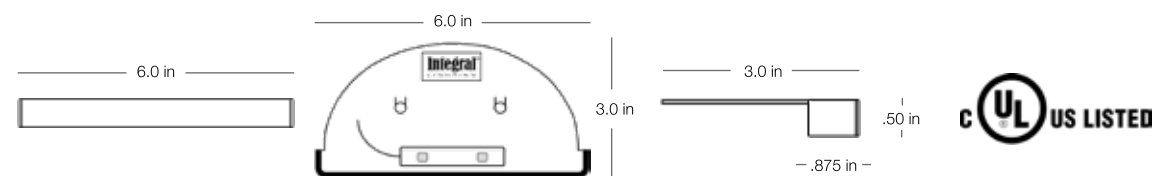
Our IL600 LED fixture is the lighting solution for easy retrofits and hardscape remodeling. It is simply the most versatile fixture in the hardscape lighting market. An overhanging block or cap is not required to hide this fixture, so it can easily be installed anywhere within the wall. If you have an existing hardscape and want to add light, look no further. Available and stocked in 6 textured finishes and choice of 4 LED outputs.



IL600.790.550 Dark Concrete 2400K fixture shown



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or visit integral-lighting.com



Construction

- › Dimensions 6" width x .5" height x 3" depth
- › Stainless steel 20g alloy 304
- › Unibody construction
- › Integrated cleats for easy retrofits
- › Lifetime Limited Warranty
- › C/US UL Listed 1838 Low Voltage Landscape Lighting

Electrical

- › Low voltage 12vAC operation
- › Overmolded LED circuitry with renewable materials
- › IP68 certified waterproof
- › 72" long 18/2 leads for connection
- › Magnetic or electronic transformer compatible
- › LED life expectancy up to 40,000 hours

LED Color Outputs



2400K ultrawarm white
.5 watt energy consumption
Output similar to 8 watts
order model with suffix .550



2700K warm white
2 watt energy consumption
Output similar to 10 watts
order model with suffix .500.200



3000K pure white
2 watt energy consumption
Output similar to 10 watts
order model with suffix .500

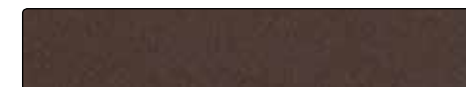


4200K cool white
2 watt energy consumption
Output similar to 10 watts
order model with suffix .500.400

Fixture Finishes



IL600.700.xxx
Carbon



IL600.710.xxx
Textured Bronze



IL600.730.xxx
Platinum



IL600.770.xxx
Sandstone



IL600.780.xxx
Light Concrete



IL600.790.xxx
Dark Concrete



IL6

the original insert-able wall fixture

Our IL6 is the “original” fixture that started the hardscape lighting revolution over a decade ago. The inventive design allows your hardscape to come to life at night, while simultaneously enhancing your home’s beauty, safety and value. This fixture is installed in thousands of hardscape projects across the USA and Canada. Now available with your choice of a replaceable LED lamp in 2700K warm white, or a long life Xenon bulb.

Construction

- › Dimensions 6” width x .875” height x 3” depth
- › Heavy duty field-replaceable faceplate
- › Self leveling insert is stainless steel 18g alloy 304
- › 6-32 slotted copper, brass or stainless steel screws
- › Lifetime Limited Warranty
- › C/US UL Listed 1838 Low Voltage Landscape Lighting

Electrical

- › Low voltage 12vAC operation
- › Choice of LED lamp or Xenon bulb included
- › Nylon socket with brass contacts
- › 72” long 18/2 leads for connection
- › Magnetic transformer compatible

Lamp Options



LED Lamp
1 watt energy consumption
Output similar to 10 watts
2700K warm white
add suffix .185 to model number



Long Life Xenon Bulb
11.5 watts
order as listed below

Fixture Finishes

IL6.105 Solid Copper	IL6.125 Solid Brass	IL6.125A Solid Antique Brass	IL6.150 Brushed Stainless Steel	IL6.200 Black	IL6.225 Bronze	IL6.250 Clay
IL6.275 Putty	IL6.300 Brick Red	IL6.325 White	IL6.350 Bone	IL6.375 Sand	IL6.400 Mud	IL6.425 Terracotta
IL6.450 Pebble	IL6.475 Stone	IL6.500 Slate	IL6.780 Light Concrete	IL6.790 Dark Concrete		



IL6.105.185 Copper LED lamp fixture shown



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or visit integral-lighting.com





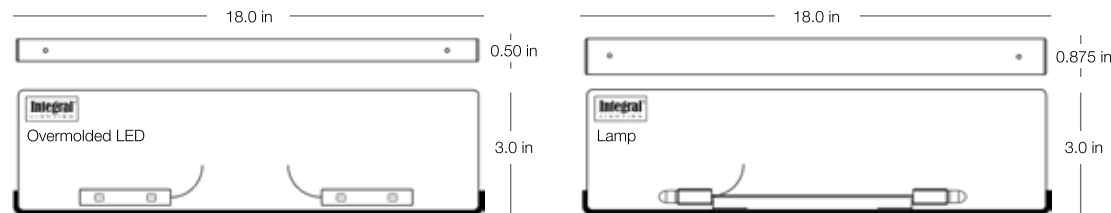
IL18

LED or Xenon hardscape fixture

Our IL18 fixtures are perfect for lighting outdoor spaces, ideally for wide hardscape columns or steps. Offering the greatest in quality and ease-of-installation, this fixture will boost your home's exterior features, reduce dimly lit areas and add value to your property. Our IL18 is available with your choice of overmolded LEDs in three outputs, replaceable LED lamps in 2700K warm white or long life Xenon bulbs.



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or visit integral-lighting.com



Overmolded LED Specs

- › Dimensions 18" wide x .5" height x 3" depth
- › Heavy duty field-replaceable faceplate
- › Self leveling insert is stainless steel 18g alloy 304
- › 6-32 slotted copper, brass or stainless steel screws
- › Low voltage 12vAC operation
- › Overmolded LED circuitry with renewable materials
- › IP68 certified waterproof
- › 4 watt energy consumption / output similar to 20 watts
- › 72" long 18/2 leads for connection
- › Magnetic or electronic transformer compatible
- › LED life expectancy up to 40,000 hours
- › C/US UL Listed 1838 Low Voltage Landscape Lighting

Overmolded LED Color Outputs



2700K warm white
add suffix .500.200 to model number



3000K pure white
add suffix .500 to model number



4200K cool white
add suffix .500.400 to model number

LED Lamp & Xenon Specs

- › Dimensions 18" wide x .875" height x 3" depth
- › Heavy duty field-replaceable faceplate
- › Self leveling insert is stainless steel 18g alloy 304
- › 6-32 slotted copper, brass or stainless steel screws
- › Low voltage 12vAC operation
- › Choice of LED lamps or Xenon bulbs included
- › Nylon socket with brass contacts
- › 72" long 18/2 leads for connection
- › Magnetic transformer compatible
- › C/US UL Listed 1838 Low Voltage Landscape Lighting

LED Lamp



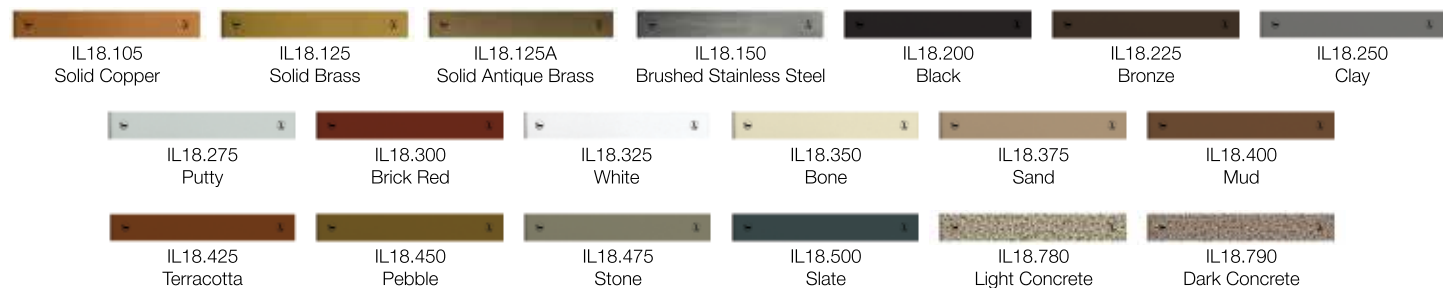
LED Lamp
2 watt energy consumption
Output similar to 20 watts
add suffix .185 to model number

Xenon Lamp



Long Life Xenon Bulbs
23 watts
order as listed below

Fixture Finishes





"Excellent customer service - prompt, detailed and followed up with me to make sure I was satisfied."

- Tony D.



personalized service is our passion...

It all began with a simple fixture design and continues with exceptional service and a hassle-free warranty.

We manufacture lighting for the modern world, but we deliver good, old-fashioned customer service. From personally answering our phones during business hours, to helping with lighting designs and layouts, to troubleshooting and solving field-related concerns, we cover it all. We have a genuine interest in your goals and a sincere appreciation that you choose to do business with us.

Whether you're a distributor placing an order, a contractor needing support, or a homeowner requesting color samples, we strive to go above and beyond your expectations.



"Based on my experience, I highly recommend that you use Integral Lighting products for your landscape lighting projects. Their outstanding customer service and warranty are second to none! Their products are stylish and look great in my patio and the surrounding landscape walls."


- Allan H.




PL24

paver accent lighting fixtures


Lighting offers a beacon of welcome along outdoor pathways and walkways. Compliment your landscape project with our contemporary paver accent light. Creating a well-lit path to and around your home adds safety, convenience and curb appeal all in one step. Our simple and sleek fixture profile is designed to integrate with all outdoor living designs. A heavy duty stainless steel mounting stake is included with every fixture.




PL24.225 Bronze
Xenon fixture shown




LED 3000K underside view
.250 Clay finish shown



Xenon underside view
.225 Bronze finish shown



6.0 in
1.0 in
22.5 in





scan for more information
or visit integral-lighting.com

Overmolded LED Specs

- › Dimensions 24" height x 6" wide
- › Stainless steel reflector and heavy duty tubing
- › Stainless steel spade stake included
- › Low voltage 12vAC operation
- › Overmolded LED circuitry with renewable materials
- › IP68 certified waterproof
- › 3 watt energy consumption / output similar to 15 watts
- › 72" long 18/2 leads for connection
- › Magnetic or electronic transformer compatible
- › LED life expectancy up to 40,000 hours
- › C/US UL Listed 1838 Low Voltage Landscape Lighting

LED Color Outputs



2700K warm white
add suffix .500.200 to model number



3000K pure white
add suffix .500 to model number



4200K cool white
add suffix .500.400 to model number

Fixture Finishes

 PL24.105 Solid Copper	 PL24.125 Solid Brass	 PL24.125A Solid Antique Brass	 PL24.150 Brushed Stainless Steel	 PL24.200 Black	 PL24.225 Bronze	 PL24.250 Clay
 PL24.275 Putty	 PL24.300 Brick Red	 PL24.325 White	 PL24.350 Bone	 PL24.375 Sand	 PL24.400 Mud	
 PL24.425 Terracotta	 PL24.450 Pebble	 PL24.475 Stone	 PL24.500 Slate	 PL24.780 Light Concrete	 PL24.790 Dark Concrete	

Xenon Specs

- › Dimensions 24" height x 6" wide
- › Stainless steel reflector and heavy duty tubing
- › Stainless steel spade stake included
- › Low voltage 12vAC operation
- › Long Life 18 watt Xenon lamp included
- › Nylon socket with brass contacts
- › 72" long 18/2 leads for connection
- › Magnetic transformer compatible
- › C/US UL Listed 1838 Low Voltage Lighting

Xenon Lamp



Long Life Xenon Bulb
18 watts
order as listed below



DL

deck and rail fixtures

Our deck lighting fixtures are designed specifically for traditional or modern railings, steps and decks. Our fixtures are compact, concealed and coordinate seamlessly with any decking materials and colors. Each fixture is equipped with an overmolded LED package, and available in three different color outputs.



DL3.100.500
designed to be used in between balusters without a shroud

- › 15/16” width fits baluster spacings 2-4”
- › Fixture held in place during rail assembly
- › No fasteners necessary for mounting
- › Able to be completely recessed for concealment in many modern deck systems



DL3.xxx.500
designed to be used with or without our color-coordinated shroud

- › Dimensions: 3” wide x .5” height x .875” depth
- › All parts are stainless steel 18g alloy 304
- › Install with color-coordinated shroud when unable to mount in rail cavity
- › Part number example: DL3.200.500 Black



DL4.xxx.500
perfect for illuminating deck steps and risers

- › Dimensions: 4” wide x .5” height x 1.75” depth
- › Heavy duty field-replaceable faceplate
- › Self leveling insert is stainless steel 18g alloy 304
- › 6-32 slotted stainless steel screws
- › Part number example: DL4.225.500 Bronze



scan for more information
or visit integral-lighting.com



Electrical

- › Low voltage 12vAC operation
- › Overmolded LED circuitry with renewable materials
- › IP68 certified waterproof
- › 1 watt energy consumption
- › Output similar to 5 watts
- › 72” long 18/2 leads for connection
- › Magnetic or electronic transformer compatible
- › LED life expectancy up to 40,000 hours
- › C/US UL Listed 1838 Low Voltage Landscape Lighting

LED Color Outputs



2700K warm white
add suffix .200 to model number

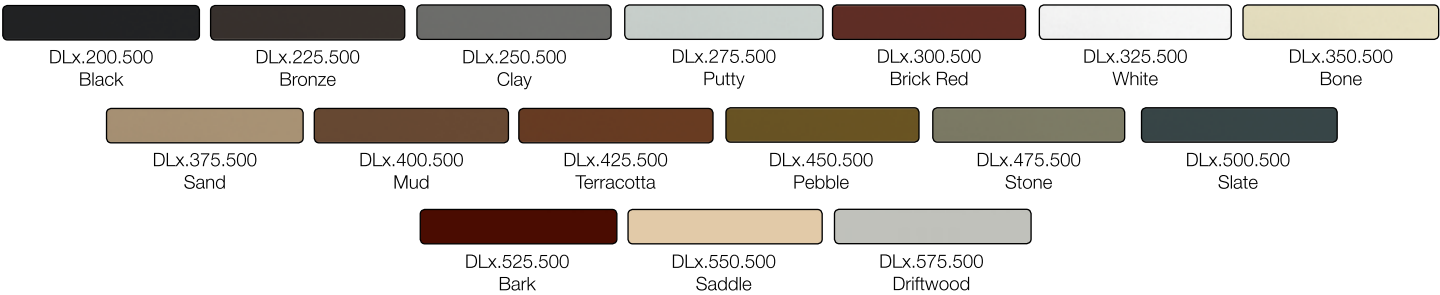


3000K pure white
order as listed below



4200K cool white
add suffix .400 to model number

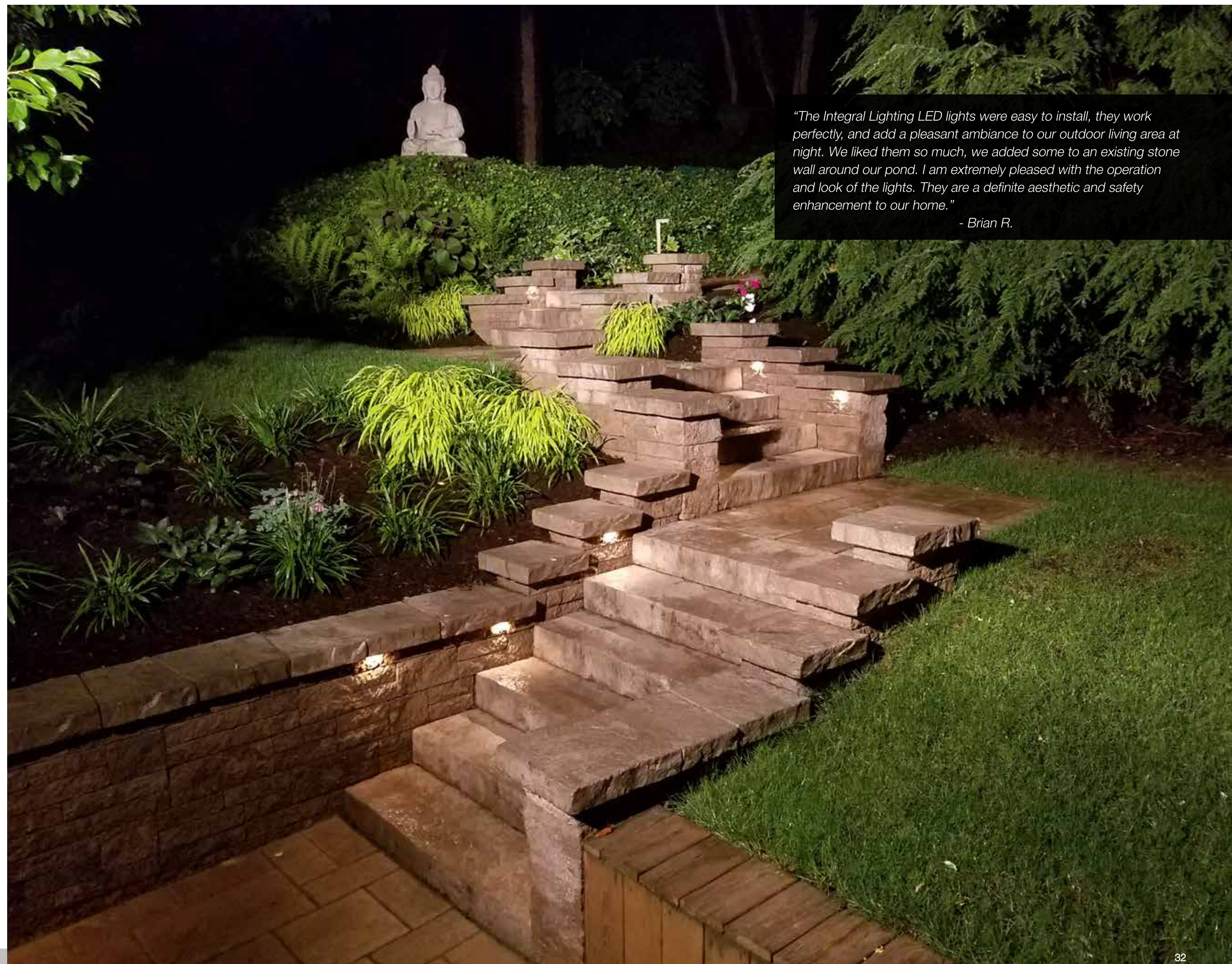
Fixture Finishes



To purchase Integral Lighting fixtures, please visit our website for a distributor near you or call 800.861.1364.

integral-lighting.com

Many Authorized Distributors stock our popular fixtures, colors and the required accessories for a successful installation. If you find something is not in stock, we ship all orders the same day. Our distributors also have knowledge of low voltage lighting systems to assist you in a professional layout and design.



"The Integral Lighting LED lights were easy to install, they work perfectly, and add a pleasant ambiance to our outdoor living area at night. We liked them so much, we added some to an existing stone wall around our pond. I am extremely pleased with the operation and look of the lights. They are a definite aesthetic and safety enhancement to our home."

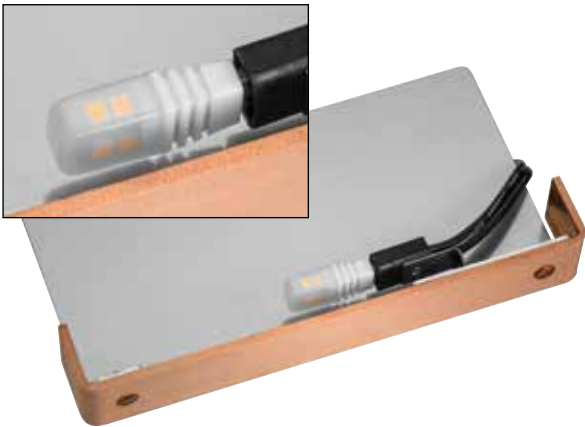
- Brian R.

accessories



Thinsert®
An ultra-thin stainless steel sleeve that slips over the insert plate to allow for easy extraction and reinsertion of the fixture after service. Every IL6000 fixture is supplied with our Thinsert®.

IL200.640 for use with 6" fixtures



LED Replacement Lamps
A replaceable 1 watt LED lamp is available for your Xenon fixtures. This LED easily inserts into the existing wedge base socket and has an approximate output of 10 watts in a 360 degree light distribution.

IL200.185 LED warm white 2700K output (5 pack)



Integrator
A pre-installation stainless steel plate for mortar construction. Our fixtures insert easily after the mortared cap is installed. Includes Tapcon fasteners and conduit.

IL200.652 for use with 4" fixtures
IL200.650 for use with 6" fixtures
IL200.651 for use with 18" fixtures



Resin 12vAC Electronic LED Transformer
IL200.515 Electronic 60 watt with interval timer and photocell



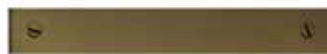






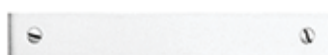













Resin 12vAC Magnetic Transformers
IL200.500 Magnetic 60 watt with interval timer and photocell
IL200.552 Magnetic 150 watt with interval timer and photocell

Professional Stainless Steel 12vAC Transformers
IL200.560 Magnetic 75 watt multi-tap 12/13/14/15 volts
IL200.561 Magnetic 150 watt multi-tap 12/13/14/15 volts
IL200.563 Magnetic 300 watt multi-tap 12/13/14/15 volts
IL200.565 Optional plug-in timer
IL200.566 Optional plug-in photocell

customization

Metals and Finishes

Our fixtures are available in 4 solid metals and 19 durable powder coated finishes. If you're having a difficult time deciding on the perfect finish for your project, visit integral-lighting.com or call 800.861.1364 for a free color sample. An additional 100 custom powder coated finishes can be viewed at integral-lighting.com.

			
Solid Copper .105	Solid Brass .125	Solid Antique Brass .125A	Brushed Stainless Steel .150
			
Black .200	Bronze .225	Clay .250	Putty .275
			
Brick Red .300	White .325	Bone .350	Sand .375
			
Mud .400	Terracotta .425	Pebble .450	Stone .475
			
Slate .500	Carbon .700	Textured Bronze .710	Platinum .730
			
Sandstone .770	Light Concrete .780	Dark Concrete .790	

LED Color Outputs

Our overmolded LED fixtures are available in 4 popular color options to fit your needs or match existing outdoor lighting. View individual product pages to see which options are in stock and ready to ship the same day.



2400K ultrawarm white
(similar to candlelight)



2700K warm white
(similar to incandescent)



3000K pure white
(similar to halogen)



4200K cool white
(similar to fluorescent)

technical details

what you need to know about low voltage lighting

Spacing

Start by determining your desired placement. We recommend 6’ to 8’ spacing between fixtures on a typical wall installation, depending on the type of atmosphere you want to create. For areas that need to be well-lit, such as steps or for security reasons, consider spacing your fixtures closer together or using a higher wattage lamp. For ambience or accent lighting, consider spacing your fixtures further apart or using a lower wattage lamp.

Transformers

Low voltage lighting utilizes a transformer plugged into a standard outlet to convert primary house voltage (120 volts) to low voltage (12 volts AC or DC).

Magnetic transformers are not voltage regulators. They do not restrict electric and deliver a constant 12 volts. Magnetic transformers reduce standard house voltage at an approximate ratio of 10 to 1. Consider, house current at 128 volts... your transformer reduces the power to 12.8 volts. In the case of a home powered by 120 volts, the result is 12.0 volts. When using a multi-tap transformer, utilize the 12 volt tap.

Your LED installation may benefit from our Electronic LED Transformer, which automatically adjusts for the load and delivers 12 volts AC consistently. Voltage consistency is key to long life expectancy in both incandescent and LED lamps.

Sizing a Transformer

Add the total wattage of the lamps you are using. This determines the output required. When sizing a transformer for an LED installation, use the wattage consumed, not the output or brightness equivalent.

Cable

Low voltage cable connects the transformer to the lighting fixtures. As a general rule, use a minimum gauge of 12/2 when your total run of cable is within 100’ of the transformer.

Low voltage cable is designed for shallow burial directly in the soil only six inches deep. Low voltage cable has UV inhibitors in the jacket making it sunlight resistant.

Parallel Run

This type of run is recommended as it allows all fixtures to draw current independently of the other fixtures. Refer to diagram below.

Splices

The wire from the transformer needs to connect to the wires from the fixtures. Waterproof splices are required for proper LED function and life. Since landscape and hardscape lighting cables are buried underground, implementing the correct waterproof splice is important. Do not use insulation displacement or pierce point connectors as moisture will enter the cable, which will corrode and cause electrical resistance, ultimately compromising your system.

Use a Voltmeter

Testing and reading the voltage is an essential step for low voltage lighting systems. The voltage should be 12 volts or less at the first fixture to ensure the lamps or LEDs function for their rated life.

LED and lamp life expectancy are directly related to the voltage supplied to the fixture. Excessive voltage generates excess temperature and will shorten the life of your fixture. Excessive voltage by as little as 1/4 volt will reduce lamp life by 40%.

For accurate voltage readings, use an analog voltmeter to test electronic transformers and a digital voltmeter to test magnetic transformers.

Dimming

All Integral Lighting fixtures are fully dimmable. Visit integral-lighting.com/faq to learn more about low voltage dimming and recommendations for controls based on the type of transformer you have installed.

Mortar Applications

For ease of installation in 1/2” mortar beds or veneer stone walls, pre-install our stainless steel Integrator. It is mounted with the supplied fasteners prior to the installation of the capstone and has flexible conduit attached for an easy connection behind the wall. The fixture inserts easily after the mortared cap is installed and can be removed in the future for service or cleaning.

UL Certified

Underwriters Laboratories has set forth the Standards for Safety in Landscape Lighting through the UL1838 standard. Our facility and product is inspected quarterly to ensure that you are supplied with consistency according to UL1838 Low Voltage Landscape Lighting Systems.

Safety

As a safety precaution, always turn your power off and make sure the fixture has cooled before performing any maintenance, including cleaning, servicing or replacing lamps.

For additional design, technical or installation advice, please contact us.
Call: 800.861.1364
Email: info@integral-lighting.com

Overmolded LED Fixtures

MODEL NO.	LENGTH	HEIGHT	DEPTH	LIGHT SOURCE	VOLTAGE	ENERGY CONSUMPTION	BRIGHTNESS COMMON FACTOR	LUMENS	COLOR APPEARANCE OPTIONS	ESTIMATED LIFE	DIMMABLE	UL LISTED	IP RATING	MADE IN THE USA	FIND ON PAGE
IL4.xxx.500	4"	.5"	3"	LED	12vAC	1 watt	5 watts	60	2700K 3000K 4200K	40,000 hours	Yes	Yes	IP68	Yes	14
IL6.xxx.500	6"	.5"	3"	LED	12vAC	2 watts	10 watts	120	2700K 3000K 4200K	40,000 hours	Yes	Yes	IP68	Yes	16
IL600.xxx.500	6"	.5"	3"	LED	12vAC	2 watts	10 watts	120	2700K 3000K 4200K	40,000 hours	Yes	Yes	IP68	Yes	20
IL600.xxx.550	6"	.5"	3"	LED	12vAC	.5 watt	8 watts	80	2400K	40,000 hours	Yes	Yes	IP68	Yes	20
IL6000.xxx.500	6"	.75"	3"	LED	12vAC	2 watts	10 watts	120	2700K 3000K 4200K	40,000 hours	Yes	Yes	IP68	Yes	6
IL600.150.500	6"	.5"	3"	LED	12vAC	2 watts	10 watts	120	2700K 3000K 4200K	40,000 hours	Yes	Yes	IP68	Yes	8
IL612.150.500	12"	.5"	3"	LED	12vAC	2 watts	10 watts	120	2700K 3000K 4200K	40,000 hours	Yes	Yes	IP68	Yes	8
IL618.150.500	18"	.5"	3"	LED	12vAC	4 watts	20 watts	240	2700K 3000K 4200K	40,000 hours	Yes	Yes	IP68	Yes	8
IL624.150.500	24"	.5"	3"	LED	12vAC	6 watts	30 watts	360	2700K 3000K 4200K	40,000 hours	Yes	Yes	IP68	Yes	8
IL18.xxx.500	18"	.5"	3"	LED	12vAC	4 watts	20 watts	240	2700K 3000K 4200K	40,000 hours	Yes	Yes	IP68	Yes	24

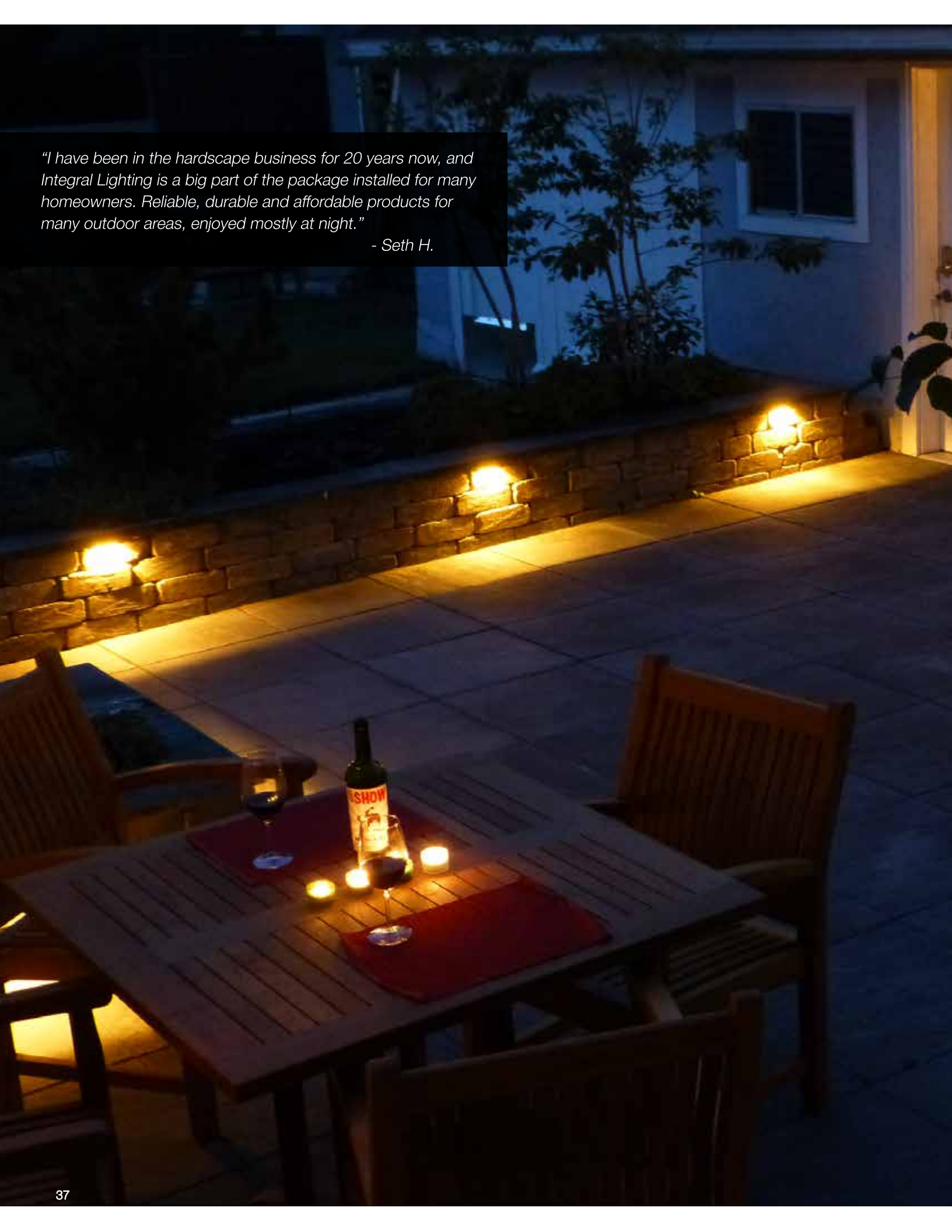
LED Lamp and Xenon Fixtures

MODEL NO.	LENGTH	HEIGHT	DEPTH	LIGHT SOURCE	VOLTAGE	ENERGY CONSUMPTION	BRIGHTNESS COMMON FACTOR	LUMENS	COLOR APPEARANCE OPTIONS	ESTIMATED LIFE	DIMMABLE	UL LISTED	MADE IN THE USA	FIND ON PAGE
IL6.xxx	6"	.875"	3"	Xenon Lamp	12vAC	11.5 watt	11.5 watts	120	2600K	10,000 hours	Yes	Yes	Yes	22
IL6.xxx.185	6"	.875"	3"	LED Lamp	12vAC	1 watt	10 watts	120	2700K	30,000 hours	Yes	Yes	Yes	22
IL18.xxx	18"	.875"	3"	Xenon Lamp	12vAC	23 watts	23 watts	240	2600K	10,000 hours	Yes	Yes	Yes	24
IL18.xxx.185	18"	.875"	3"	LED Lamp	12vAC	2 watts	20 watts	240	2700K	30,000 hours	Yes	Yes	Yes	24

Pavelux® LED Paver Inserts

MODEL NO.	LENGTH	HEIGHT	DEPTH	LIGHT SOURCE	VOLTAGE	ENERGY CONSUMPTION	COLOR APPEARANCE OPTIONS	ESTIMATED LIFE	DIMMABLE	UL LISTED	IP RATING	MADE IN THE USA	FIND ON PAGE
IP4.100.500	4"	2"	.75"	LED	12vAC	1 watt	3000K	40,000 hours	Yes	Yes	IP67	Yes	12
IP4.100.550	4"	2"	.75"	LED	12vAC	.25 watt	2400K	40,000 hours	Yes	Yes	IP67	Yes	12
IP6.100.500	6"	2"	.75"	LED	12vAC	2 watts	3000K	40,000 hours	Yes	Yes	IP67	Yes	12
IP6.100.550	6"	2"	.75"	LED	12vAC	.5 watt	2400K	40,000 hours	Yes	Yes	IP67	Yes	12
IP8.100.500	8"	2"	.75"	LED	12vAC	2 watts	3000K	40,000 hours	Yes	Yes	IP67	Yes	12
IP8.100.550	8"	2"	.75"	LED	12vAC	.5 watt	2400K	40,000 hours	Yes	Yes	IP67	Yes	12





"I have been in the hardscape business for 20 years now, and Integral Lighting is a big part of the package installed for many homeowners. Reliable, durable and affordable products for many outdoor areas, enjoyed mostly at night."

- Seth H.

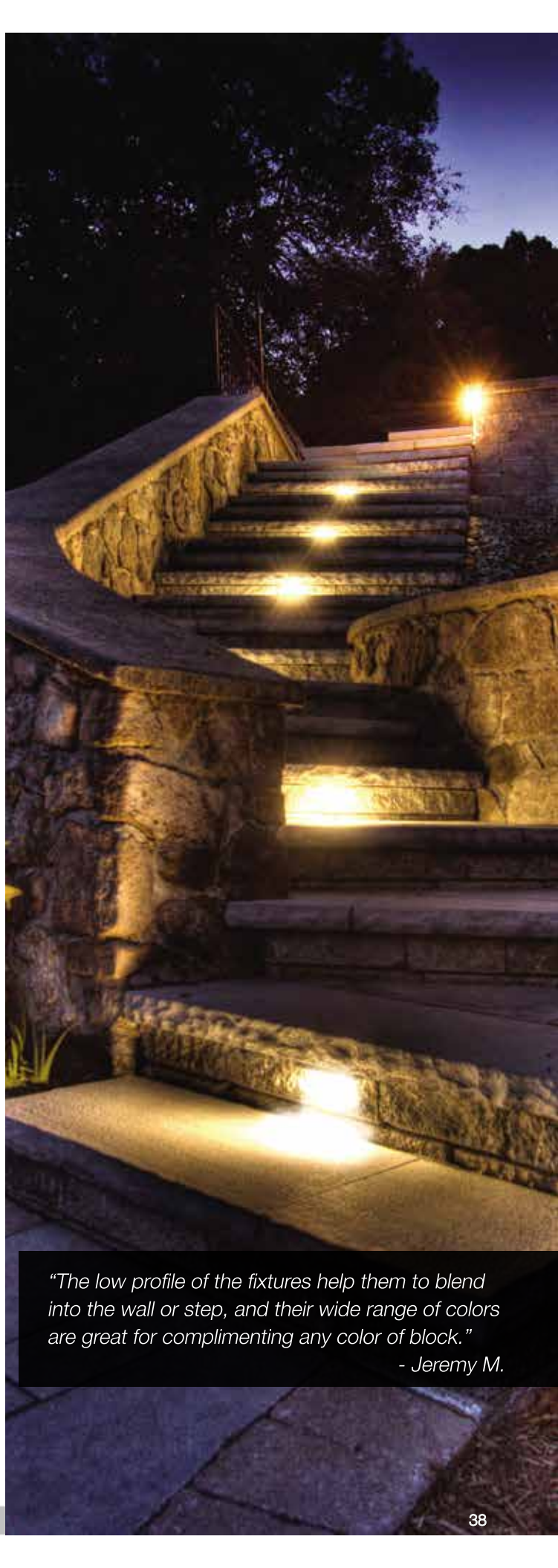
we stand behind our products...

At Integral Lighting, we believe in our products. If your Integral Lighting or pavelux® fixture has any defect as a result of the materials or workmanship, we will make it right.

Within 30 days of your purchase, return the product to your distributor and they will repair or replace it. Within 5 years of your purchase, return the product directly to us and we will repair or replace it. If, after 10 years of use, you experience an issue, return the product to us and we will repair it. You just pay for the parts.

Our warranty does not cover accident, abuse, mishandling, vandalism, unauthorized modifications or repair, normal wear or routine maintenance. The buyer is responsible for return shipping costs.

No more fine print or stipulations like other manufacturers. We simply stand behind our products.



"The low profile of the fixtures help them to blend into the wall or step, and their wide range of colors are great for complimenting any color of block."

- Jeremy M.



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