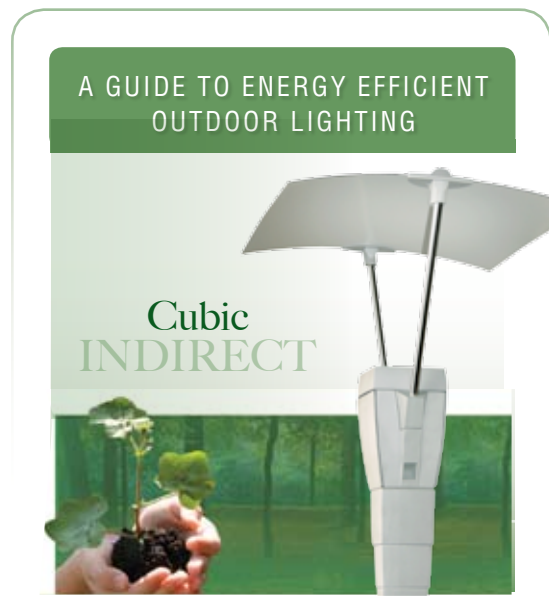


Outdoor Lighting

SOLUTIONS



**NEW
LED**

ARCHITECTURAL AREA LIGHTING

Lighting the way to a greener planet

Climate changes continue and greenhouse gas is a real and escalating problem. Buildings account for 39% of all CO² emissions in the U.S., according to the U.S. Green Building Council (USGBC). Since power generation accounts for about one-quarter of total emissions of CO² per year, it is a significant factor in global warming.

Whether you are constructing a new building or renovating an existing one, the building components you choose will have a direct impact on your bottom line. Choosing energy-saving building components is an opportunity to realize substantial returns, not only in new construction or renovation projects, but also in maintenance of existing buildings.

Using energy efficient design and technologies can cut energy costs by 50% or more. Commercial buildings account for more than 60% of the nation's electricity consumption, and generate approximately 30% of all greenhouse gases¹.

There are many energy efficient sources on the market, including metal halide, high pressure sodium, compact fluorescent, induction and LEDs. The lamp comparison chart below illustrates the differences between the most popular commercial sources on the market today.

¹ www.usgbc.org/News/USGBCInTheNewsDetails.aspx?ID=3562

Lamp Comparison

	LPW	CRI	CCT	Lamp Life (hrs.)
CFL	76	82	2700 - 4100K	10,000
HPS	92	21	2200K	24,000
Metal Halide	94	82	3000K	10,000
Induction Lamp	61 - 76	82	2600-6500K	100,000
LED	70	66-73	3200-6400K	35,000 - 50,000*

* Estimated useful life (L70)

Using energy efficient design and technologies can cut energy costs by **50% or more.**

To see more of our **LED** products, visit us at www.aal.net/aal/led.html

LED

LED



PROVIDENCE® **SCONCE (PRSC)**



Source Comparison Chart

Product Family	LED Source				MH Comparable Source			
	Delivered Lumens	Consumed Watts	Efficacy (lm/w)	Lamp Spec	Delivered Lumens	Consumed Watts	Efficacy (lm/w)	Lamp Spec
PRSC	1914	37	52	36x Nichia 083B 5100K	1584	39	41	39MMC Type 3
PROB	2078	37	56	36x Nichia 083B 5100K	2220	82	27	70T6
INDC	972	37	26	30x Nichia 083B 5100K	909	50	18	CF42
ON	1412	18.5	76	18x Nichia 083B 5100K	1600	44	36	35R111 24°



OCULUS® **NANO (ON)**



MINI **ESCONCE (ME)**



AAL only uses the **most efficient LED sources** available with life projections of at least 50,000 hours (L₇₀). AAL uses an independent laboratory for all photometry testing under strict LM-79-08 standards.



LED

LED



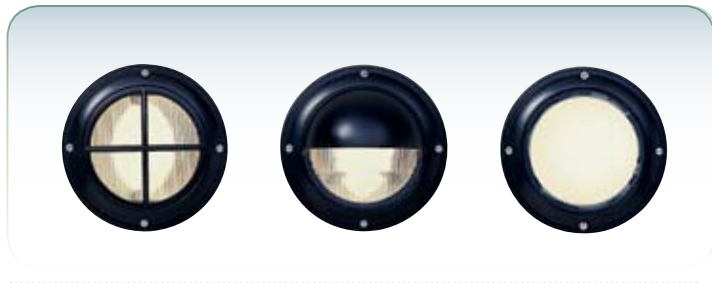
CUBIC INDIRECT™ (INDC)



CUBIC INDIRECT™ (INDC)



PROVIDENCE® BOLLARD (PROB)



STEPLIGHTS (ASL)

AAI's LED products are available in warm white (3500K) or bright white (5100K) color temperatures.

Warm White 3500K

Bright White 5100K





AAL LED Product Offerings

Family	Luminaire Code	LED Configuration	Wattage Consumption	Lumen Output	CCT
Cubic Indirect™	INDC	30LED-WW	37 watts	686-718	3500K
		30LED-BW	37 watts	986-1018	5100K
Indirect™	INDA (Adjustable)	30LED-WW	33 watts	958-965	3500K
		30LED-BW	33 watts	1154-1162	5100K
	INDF (Fixed)	30LED-WW	33 watts	881-906	3500K
		30LED-BW	33 watts	1061-1132	5100K
eSconce® (Up or down light)	ES3	36LED-WW	37 watts	1406	3500K
		36LED-BW	37 watts	1765	5100K
eSconce® (Up and down light)		54LED-WWX	37/18 watts	1825	3500K
		54LED-BWX	37/18 watts	2284	5100K
mini eSconce™	ME	LED	5 watts	150	WHT/BL/GRN/RD/AMBR
miniFlex	FM	30LED-WW	32 watts	1124	3500K
		30LED-BW	32 watts	1356	5100K
Oculus® Nano	ON	18LED-WW	18.5 watts	1232	3500K
		18LED-BW	18.5 watts	1412	5100K
Oculus® Small	OS	30LED-WW	31 watts	2185	3500K
		30LED-BW	31 watts	2365	5100K
Providence® Small (Type 1)	PROS-X	18LED-WW	16.4 watts	675	3500K
		18LED-BW	16.4 watts	834	5100K
Providence® Small (Type 3)		27LED-WW	33.6 watts	1152	3500K
		27LED-BW	33.6 watts	1478	5100K
Providence® Small (Type 5)		36LED-WW	32.7 watts	1312	3500K
		36LED-BW	32.7 watts	1629	5100K
Providence® Bollard (Type 1)	PROB	18LED-WW	19 watts	877	3500K
		18LED-BW	19 watts	1057	5100K
Providence® Bollard (Type 3)		27LED-WW	29 watts	1311	3500K
		27LED-BW	29 watts	1601	5100K
Providence® Bollard (Type 5)		36LED-WW	37 watts	1718	3500K
		36LED-BW	37 watts	2078	5100K
Providence® Sconce	PRSC	36LED-WW	37 watts	1554	3500K
		36LED-BW	37 watts	1914	5100K
Steplights Small	ASL7-RD	LED	5 watts	150	WHT/BL/GRN/RD/AMBR
	ASL7-SQ	LED	5 watts	150	WHT/BL/GRN/RD/AMBR
Steplights Large	ASL10-RD	LED	9 watts	270	WHT/BL/GRN/RD/AMBR
	ASL10-SQ	LED	9 watts	270	WHT/BL/GRN/RD/AMBR

induc

Induction Lamps

AAL also offers other highly efficient lamp sources, such as induction lamp systems, for those products where LED technology is not yet appropriate. The induction lamp system has been around for many years and has a proven track record. AAL is proud to offer a wide variety of products and styles with induction lamp systems.

Source Comparison Chart

Source	Initial Lumens	Efficacy	Comparable HID
IL55 (55 watt)	3500	63.5	50 watt MH
IL85 (85 watt)	6000	70	70 watt MH
IL165 (165 watt)	12000	72.5	150 watt MH

The benefits of using induction lamp systems offer a considerable cost savings of around 50% in energy and maintenance costs compared to other types of lamps which they replace. An IL system will last 10 years longer than a standard metal halide, and, in many cases, have as little as a 2-year payback.



ARTS & CRAFTS®



TRADITIONAL CONCRETE BOLLARD

Induction Lamp Offerings

Fixture	Description	IL55	IL85	IL165
AC	Arts & Crafts® Pedestrian Scale	◆		
BAC	Arts & Crafts® Bollard	◆		
SAC	Arts & Crafts® Small Scale	◆		
FGL	Federal Globe™ Large	◆	◆	
INDC	Cubic Indirect™	◆	◆	
INDF	Indirect™ Fixed Head	◆	◆	
PRMD	Promenade™ Series	◆	◆	
PRMN	Promenade™ Series	◆	◆	
PRMS	Promenade™ Series	◆	◆	◆
PRM2	Promenade™ Series	◆	◆	
PRM3	Promenade™ Series	◆	◆	
PRM4	Promenade™ Series	◆	◆	
PRSC	Providence® Sconce	◆		
TPR	Traditional Pedestal Round	◆	◆	
TPS	Traditional Pedestal Square	◆	◆	
TRD	Traditional Bollard Round	◆	◆	
TSQ	Traditional Bollard Square	◆	◆	
UCB	Universe Collection® Bollard	◆		
UCL	Universe Collection® Large	◆	◆	
UCM	Universe Collection® Medium	◆	◆	



Induction Lamps

Advantages of induction lamp systems

- Long lifespan due to the lack of electrodes (100,000+ hours)
- Very high energy conversion efficiency
 - Higher wattage lamps are more energy efficient
- High power factor
 - High frequency electronic ballasts are 98% efficient
 - Less wasted energy in the ballast
- 20+ years proven technology
- Minimal lumen depreciation
- Instant-on and hot re-strike
- Environmentally friendly

induction lamp SYSTEMS



PROMENADE™



CUBIC **INDIRECT™**



UNIVERSE®



PROVIDENCE® **SCONCE**



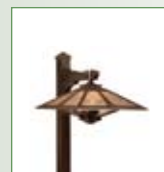
FEDERAL **GLOBE™**



ARTS & CRAFTS® **BOLLARD**



Outdoor Lighting SOLUTIONS



Preserve today's resources for a **greener** tomorrow...

Choose **Architectural Area Lighting.**

For more information on any of AAL's products, please visit us at

www.aal.net/aal/il.html



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