

Application Brief

LIFI™ for Architectural Lighting



Key Benefits of LIFI™ in Architectural Lighting Systems:

- Up to 20000 lumens from a single full spectrum daylight source
- More than 10X longer lifetime compared to HID short arc lamps
- Up to 2X higher fixture efficiency
- Compact source for tight beam control

Other benefits:

- Digital control for low light dimming and smart lighting systems
- 5X faster ignition and re-strike
- Reduced environmental costs (smaller source size & less material)
- Rugged and impact resistant

Recommended Product:

LIFI-STA-40-02

LIFI™ in Architectural Mixed Daylight and Outdoor Fixtures

Proposed Example Light Fixture Types:



(Martin Exterior 600)



(Martin Exterior 200)



(Strand SL)



(Robe EColor)

Comparison Table:

Lamp Type	Medium Arc HID 575W	Short Arc HID 400W	LIFI-STA-40-02
Fixture Lumens	17200	15600	14400
Fixture Optical Efficiency	40.0%	60.0%	75.0%
Source Watts	575	400	187
AC Watts	618	430	277
Source Lumens	43000	26000	19200
Color Temp (Kelvin)	7200	7500	5700
CRI	75	80	96
Lamp life time (hours)	3000	1000	30000
Source Efficacy (lumen/Watt)	85	65	103
System Efficiency (lumen/Watt)	30	38	54

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