

Application Brief

LIFI[®] for Indirect Luminaires



Key Benefits of LIFI[®] in Walkway Lighting:

- 50% reduction in power consumption by fixture
- Glare Free
- Single source with highest lumen density (430 lumens/mm²)
- High CRI for city beautification
- Compact fixture
- Low maintenance (30,000 hrs lifetime)

Other benefits:

- Improved illuminance uniformity
- 5X faster ignition and re-strike
- Rugged and impact resistant
- Reduced environmental costs (small source & fixture)
- Dimmable

Recommended Product:

*LIFI-STA-40-01
LIFI-STA-40-02*

LIFI® in Walkway Lighting

Proposed Example Light Fixture Types:

- Indirect walkway
- Direct walkway
- Full cutoff

Value Proposition – Operating Cost:

Fixture Technology Lamp Model	Walkway Indirect Pulse Start Metal Halide MH-400-BU-PS	Walkway Indirect Solid State High Intensity LIFI-STA-40-01
Lamp Power (W)	400	187
Ballast/Driver Eff. (%)	92%	75%
AC/DC Eff. (%)	100%	90%
Tot. Power (W)	435	277
Source Lumens/Watt	92	120
Initial Source Lumens	36800	22440
Mean Source Lumens	25760	19074
Fixture Eff. (%)	50%	87%
Mean Fixture Lumens	12880	16594
Daily Usage (hrs)	12	12
Dimming Level	1	1
Dimming (hrs)	0	0
Annual KW-Hr (Full Power)	1904	1213
Annual KW-Hr (Dim)	0	0
\$/KW-Hr	0.13	0.13
Annual Operating Cost (\$)	\$ 248	\$ 158
Lifetime (Hrs)	15000	30000
Replacement Lumen Level	70%	70%
Replacement Cycle (Hrs)	10500	21000
#Lamps/Yr	0.42	0.21
Replacement Cost/Lamp (\$)	250	250
Annual Maint Cost (\$)	\$ 104	\$ 52
Total Annual Cost (\$)	\$ 352	\$ 210
Annual Savings/Fixture (\$)		\$ 142
Savings/Installation (\$)	10,000 Units	\$ 1,419,632

Light fixture data based on commercially available products.

LUXIM Corporation | 1171 Borregas Avenue | Sunnyvale, CA 94089 USA
 TEL: +1-408-734-1096 | EMAIL: info@LUXIM.com,
WWW.LUXIM.COM | WWW.LIFI.COM