



The Next Generation of Portable Solarc® Technology

Lamp Specifications

Characteristic	14.0 Watts	9.5 Watts
Luminous Flux	1000 Lumens	500 Lumens
Lamp Efficacy	71.4 LPW	52.6 LPW
Lamp Life (Median)	350 Hrs	700 Hrs
Color Temperature	6,900 K	13,700 K
Lumen Maintenance	80%	80%

Ballast Specifications

Input Voltage	9 V – 16 V
Maximum Case Temperature	90°C
Efficiency	86% Nominal
Compact Size	MR11/Low Profile
Power Delivery	Fully Regulated/User Selectable

Note: See www.solarc.net for further product details on available lamps and ballast.

Part Number & Description

M10N003	Single Ended Dome Lamp Assembly
M10N004	Single Ended Lamp Assembly
M10P003	6 degree MR11 Parabolic Lamp Assembly
M10P004	13 degree MR11 Parabolic Lamp Assembly
B10R001	Dual Wattage Regulated Ballast

Improved Performance

- 42% Improvement in Lamp Efficiency
- 20%+ Improvement in Ballast Efficiency
- 70%+ Total System Efficiency

End-User Benefits

- Nearly 2X Battery Life Over Prior Designs at Same Light Output

OR

- Nearly 2X Brightness Keeping Battery Life the Same

Next Generation Low Wattage Portable Sölarc®

Improvements over prior 10W Design

- ✓ 1000+ Lumens Capability!
- ✓ Burner Advances
 - More Robust Design
 - Higher Efficiency +42%
- ✓ Reflector Advances
 - Improved Spot Uniformity
 - Improved Consistency; lamp-to-lamp
 - Same Package Size
- ✓ Ballast Advances
 - Accommodates Wide Range of Input Voltages
 - Constant Wattage Output
 - Improved Mounting Features!
 - Higher Efficiency Nearly +20%!
 - Rapid On
- ✓ End Use Benefits
 - Lumens Per Watt Efficiency +73%
 - 1,000+ Lumens Output Capable
 - OR
 - Extended Battery Life at Existing Outputs
 - No Costly Voltage Regulation Circuit Required
 - Brighter — More Consistent Spot Quality
 - Premium HID Color — 6,900°K

Sölarc vs. Multi Lamp LED

- Lighter Heads — No Heavy Heat Sinking Required
- Better Color
- Natural Daylight Appearance (6,900°K)
- Richer Colors/Higher Color Rendering Index
- Sharper Beams
- Smaller Size and Higher Output
- More Intense Beams
- Farther Throw and Higher Center Beam Candle Powers

The Difference is the Arc!

Miniature Arc Produces Intense Light in a Concentrated Area → Optically Ideal Point Source

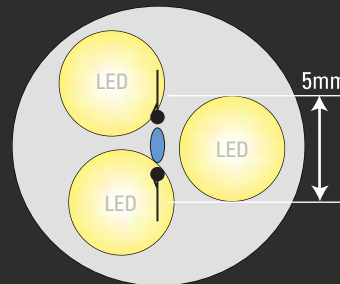
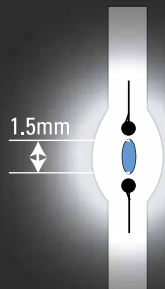
Benefits of Point Source

- Easy to Focus
- Easy to Control
- Smaller Head Size
- Optically Efficient: More Light Captured and Used

Energy Goes into the Arc and Out of the Front of the Lamp → Lighter Weight and Smaller Size

Compare the Difference!

Sölarc lamps produce intense light in a micro-sized space yielding crisp brilliant beams.



LEDs produce light from large glowing disks yielding large diffuse sources and consequently fuzzy beams.

Sölarc Puts The Light Precisely Where You Want It!



Please Note: Performance data acquired under controlled laboratory conditions; actual results may vary depending on use. Continuous product improvement requires we reserve the right to change these specifications without notice.
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