



MODEL NO. SM-ARC1-SM

# IMPRESSION

Ambient light



## IMPRESSION DESCRIPTION

Integrated dual-channel LED with 30° wall grazing light  
**MODEL NO. SM-ARC1-SM**

### FEATURES

Bi-Kelvin light engine (2700K to 5000K)  
Soft dimming and CCT transitions  
Soft ON/OFF  
Linear dimming curve, min 5%

### PERFORMANCES

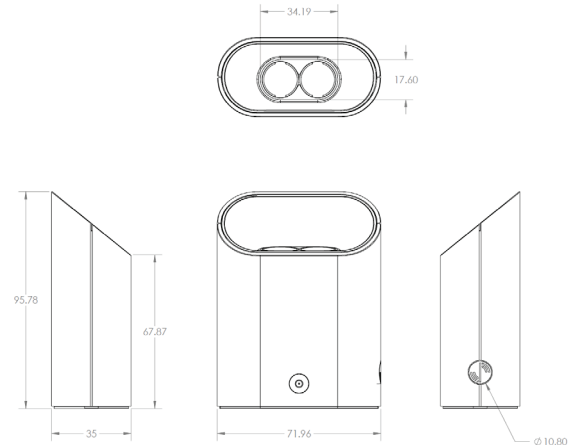
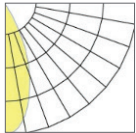
Maximum delivered output up to 187 lm  
Efficacy 52 lm/W  
CCT = 3851 (50% 2700K + 50% 5000K)  
Minimum CRI = 78Ra  
120Vac, 3.6W max

### CERTIFICATIONS



### OPTICS

2x 30° Lens



## PHOTOMETRY

### TEST CONDITIONS

Temperature: 25.3°  
RH: 65.0%  
WL Range: 380nm-780nm  
IP: 51782 (79%)  
Test Mode: Fast Test T: 768 ms  
Delicacy: High

### COLORIMETRIC QUANTITIES

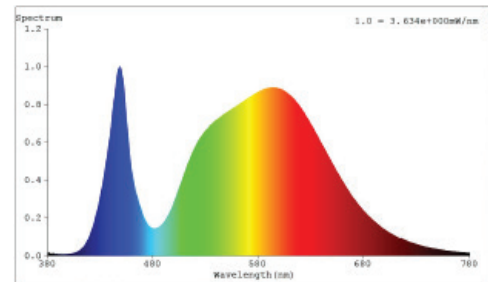
Chromaticity Coordinate:  $x = 0.3848$   $y = 0.3728$  /  $u' = 0.2296$   $v' = 0.5005$  ( $duv = -3.10e-03$ )  
Tc= 3851K Prcp WL: Ld=610.2nm Purity=0.0%  
Peak WL: Lp=448nm FWHM: =23.1nm Ratio:R=18.7% G=78.8% B=2.6%  
Render Index: Ra = 78.8

### PHOTOMETRIC & RADIOMETRIC QUANTITIES

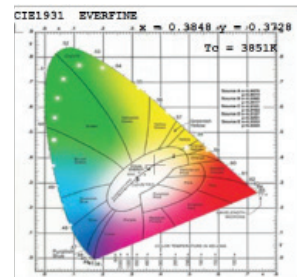
Flux = 187.25 lm Eff. : 52.14 lm/W Fe = 576.09 mW  
Flux of emitted photons(umol/s):2.7178  
Fluo. and blue light ratio:4.485 Fluorescent eff.:66.22

### ELECTRICAL PARAMETERS

V = 120.6 VI = 0.05901 A P = 3.591 W PF = 0.5048



Spectral Distribution



CIE1931 Chromaticity Diagram



Smartika reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately 2017/02/02



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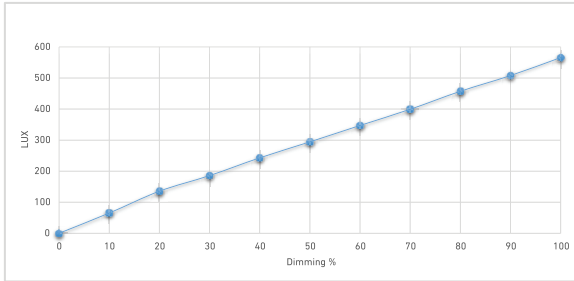
Ambient light



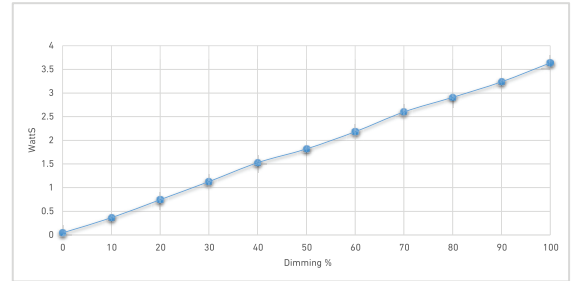
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### LUX VS DIMMING % GRAPH



### WATTS VS DIMMING % GRAPH



## HUB SPECIFICATIONS

The Smartika Hub is the SmartikaMesh™ central controller. When connected to a wifi router, it allows you to use your smart phone to control and automate all your Smartika devices. The Hub uses a proprietary encoded RF protocol to communicate with the Smartika ecosystem.

**MODEL NO. SMHUB-01-SM**

### FEATURES

- Power: External 5v, 1a power supply
- Connection port : rj-45 Ethernet
- Automatic configuration
- Maximum linked devices: 100
- Maximum groups : 45
- Maximum devices in a group : 20
- Effective rf range (for the first linked device): 15m (line of sight)
- Frequency Band: 2.4ghz



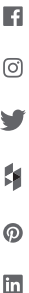
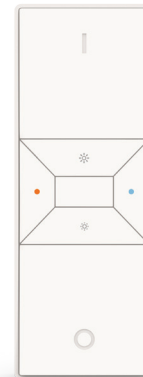
## CONTROL SPECIFICATIONS

The Smartika lighting remote control can be used to control your lighting devices with or without a HUB.

**MODEL NO. SMRC1-SM**

### FEATURES

- SmartikaMesh™ Network compatible
- Without hub: Can control a single lighting device
- With hub: Can control a group of up to 19 lighting devices in the same room
- Control: ON-OFF, Dimming 5-100% and Bi-Kelvin 2700-5000k
- Battery powered: cr2032, 3v
- Effective rf range: 15m (line of sight)
- Frequency Band : 2.4ghz
- Installation over a wall switch: Decora and toggle switch styles



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