



Technical Data

January 2011

Astra ASR 1x4 Watts



Description:

High Output LED Luminaire with high luminous efficiency and low consumption.

This luminaire is designed for intensive use in offices, houses, shops, auction rooms, salon, malls, museums ...

Housing:

Manufactured in enameled sheet steel, cold formed, painted with epoxy-polyester powder coating electrostatically applied and cured at 180 degrees centigrade.

Protection degree : IP 20

Color: Metallic Grey

Mounting:

Recessed in false ceiling: opening 7 cm x 7 cm or circle of 9 cm in diameter

LED: Characteristics

Number of Light Emitted Diode : 1

Semiconductor : Indium Gallium

Life Span: 50 000 hours (Normal Use Conditions)

LED compliance : UL, CE, RoHS.

Cooling System: Double Alfa Heat Sink with Aluminium sheets, surface heat transfer

$S > 80 \text{ cm}^2$ per watt (European patent pending) this fitting is intended to be used in hot and cool countries. This radiator is calculated to meet a safety margin superior to 150%.

Ambient working temperature: From - 40 degrees up to + 40 degrees.

Special Heat Sinks are manufactured for warmer temperatures upon special request.

Working Heat Sink temperature: Max 60 ° C.

Working LED temperature : Max 70 ° C.

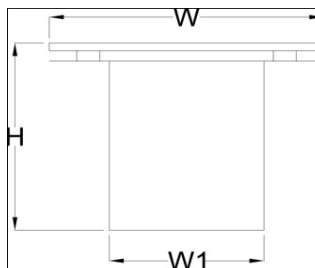
Optical diffuser:

Reflector in white composite material: integrated into the box, guarantees an optimal distribution of light emissions, eliminating glare and light pollution.

Protective Glass Cover: yes.

Fitting Dimensions:

	Led power	L	L1	H
ASR 1x4W	1x4W	95	53	72



Technical Characteristics:

Nominal Power: 4 watts

Working Power: 4.8 watts

Input AC: 200-240 volts / 50-60hz

Constant current Driver Specifications : 700 mA /9 Volts

Luminous Flux: 400 lumens

Output Light angle: 120 °

Light Color temperature: from 2700 to 7000 degrees Kelvin

Color Rendering Index: 80% to 98%

Original pieces:

LED: United States of America

Driver: Taiwan

Heat Sink: Lebanon

Packaging:

Each fitting is packed in one carton box.

Box Dimension: 10 x 10 x 9 cm

Weight: 900 gr.

www.astralux.com

Astra Commitment***Environmental compliance**

Astra LED products are compliant to the European Union directives on the restriction of hazardous substances in electronics equipment.

Astra will not intentionally use Led with the following restricted material: Lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE)