HAA OPTICS CO...

Do you have ESD/ESA problem at electronics device visual inspection process?

Being Movable to target position, magnifier lens for free arm stay without any fluctuation(sway) This HAA uniquetechnology.

HAA introduces new ESD/ESA safe magnifier with LED illumination. Current products cannot change dissipative surface resistance for magnifier lens and other parts. However, HAA developed dissipative surface resistance optical lens and others by our patent technology. This dissipative resistance range is under IEC 61340-5-1 /5-2 recommendation.

ESD/ESA-SAFE illuminated Magnifier

Model

ESKK-B ESKK-F ESKK-CF

"Table stand type" "Free arm type"

What is ESD-SAFE?

Note: ESD/ESA Safe is protect electrostation discharge for electronics device and also control electrostatic particle attraction. These products are compatible for EPA (Electrostatic Protection Area) and Clean Room.

Table Stand Type is suitable for contamination control area.

Specification

Surface v<mark>oltaa</mark>e

Less than 5V for main components (RH: More than 45%)

Note: Unit must be connected ESD/EPA ground.

Guround Connector

5 slots of banana plug reseptacle as EBP at EPA.

Note: Note: This is patented

Light source Dimmable

10W High Color Rendering White LED, Integrated LED lamp and cover.

Function MagnifiDimmable Function: 10 to 100% (Stepless Adjustment)

cation

Magnification: X2, X3, X4 (ESD/ESA safe interchangeable lens)

HAA OPTICS CO.,LTD.

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ESKK-B **ESKK-CF** Model ESKK-F Out Looking **Dimensions** Surface Resistance Less than dissipative range (≦E11), IEC-61340 5-1 Standards compliance Less than 5V for main components (RH: More than 45%) Surface Voltage Note: Unit must be connected ESD/EPA ground. No lens, 2X, 3X, 4X Lens Lineup High Color Rendering White LED, (Ra≥90) Light source Line Voltage (AC/DC Adaptor): AC 100 to 240V, 50/60Hz AC power cord (Choice): A plug (American type,100 to 125V) Line Voltage SE plug (EU type, 240V) BF plug (British type, 240V)

Power Consumption 10w

Dimmable Function Available 100 - 約10%

Weight(W/O lens) 2.2kg 2.8kg 2.5kg

2X ensity of U.D.=160mm) 3X (W.D.=130mm) 4X (W.D.=110mm)

Ma x : 5800 Min:300 (Lx) *

Min:240

(Lx)

4X (W.D.=110mm) Ma x : 6500 Min:330 (Lx) %

*Intensity of Illuminance is sampling measurement value, not guaranteed performance.

Option & Parts

Ma x: 4700

ESD safe lens cover TYPE:ESDLC



This cover is also made by dissipative material and protect fire by illumination flux convergence.

ESD safe matt (for B type) TYPE:ESDBM



First step ESD solution for current products.

ESD/ESA safe replacement lens



First step ESD/ESA solution for current products.

Ground cord (for ESD safe matt) TYPE:ESDBMEC



ESD/ESA safe diffuser plate TYPE:ESDDP



First step ESD/ESA solution for current products.

Ground cord
TYPE:ESDECC1800



Connecting ESD ground Note: This cable have not $1M\Omega$ resistance.

Dissipative Sleeve for free arm TYPE:ESDSV



This is not only ESD control but also Contamination control.

L300 extension bar for B Type TYPE:YB300



This can 140mm extend lens unit. God for long length items inspection.

