

Primary Features



[Strong Points of EF-200 Magnifier]

- Combined Magnifier and LED Chips
 - An Extra Large Non-Spherical Multi Angular Lens
 - Eyesight Protection & Worsened Eyesight Prevention
- Environment-friendly / Increased Product Life Span / Minimized Electricity Consumption
 - Equipped with High Brightness LED of Korea
- Convenience Feature for Users
 - 2 Pieces of Flexible Spring Tube
 - A Head Filter for Dazzling Prevention
 - 3 Steps Dimming Function/Touch Sensor







LED Magnifier Desk Lamp



New Concept of a Desk Lamp equipped with Aspheric Multi focus Magnifier Lens and Environmentally friendly, high efficiency LED Chips.

- Elderly Users who feel uncomfortable due to presbyopia when reading a small sized book such as the Bible, a Paper etc.
- Professionals who work for Patents, Designs and Drawings.
- It is very effective to people who work for Delicate Hand-Crafted such as Repair, Quilting and Handicraft etc. in a dark place daily.







Good Points of the Lens



Strong Points of EF-200 Non Spherical Multi Angular Lens

- Providing Clear Magnified View without Distortion from Any Angle
- Long Time Reading is possible
- Due to Extra-Large Sized Lens, it is convenience that you can read both sides of a book at a glance.
 - : Lens Size : 112X155mm, Viewable area: about 30X40cm, Magnification ratio : X2
- No Risk of Damage because of light PC Material
- Improving Transmissivity of Lens caused by Various Coating

<Spherical aberration>

The blurring of an image that occurs when light from the margin of a lens or mirror with a spherical surface comes to a shorter focus than light from the central portion. The changing focal length is caused by deviations in the lens or mirror surface from a true sphere. It may cause dizziness and headaches. (Not available for a long time.)

<About Non-Spherical Multi Angular Lens>

- No Spherical Aberration
- Providing Clear Magnified View without Distortion from Any Angle for a Long Time.







Eye Protection & Worsened Eyesight Prevention



Eyesight Protection/ Prevention of visual loss



- * Clear non-spherical Lens and No blink LED Chips are very effective for Prevention of Weakening Vision caused by presbyopia.
- * It is essential for students who have to study and read a book because of its excellence of Eye Protection and Prevention of visual loss.
- * Using DC electric power, protect your eye sight.
 - No Lights Blinking







Environment Friendly High Brightness LED



- * A Pollution-free Environment-friendly LED
 - Not included mercury which is used for fluorescent products
- * High Brightness SMD LED from Seoul Semiconductor
 - More Bright, Wider Illuminating Angle
 - Excellent Protection against heat
- * Equipped Metal PCB with
 Dazzling Protection Cover.
 (Using "LUMIPLAS": Increasing
 Light Diffusion and Excellent
 Anti-dazzling effect)









Power Consumption & Long Life Span



*6 times cheaper electric cost than the fluorescent bulb

*6 times longer life span than fluorescent bulb(Semi-permanent)

	Incandescent Bulb	Fluorescent	Fluorescent of the Bulb Type	LED
Brightness	General Bright	Normal Bright	Very Bright	Very Bright
Consumption (1,000LM/ 1Hour) *Based on Korean Rate	100W (4 Cent)	40W (1 Cent)	20W (0.5 Cent)	Below 5W (0.1 Cent)
Life Span (5Hours a Day)	1,000 Hours	4,000~ 5,000 Hours	Below 5,000 Hours	From 30,000 To 50,000 Hours







2 Pieces of Spring Tube



New Design for the Users' Convenience.

Using 2 Pieces of Flexible Spring Tube, Easy for adjusting the height and angle of Lamp head.









Dimming Function & Touch Sensor



- * Equipped with a DIMMING function which is available to control 3 steps brightness(Off-1-2-3).
- * PWM(Pulse Width Modulation) Touch System

: LED Lifetime Extension and Increased Reliability of the Touch Switch.





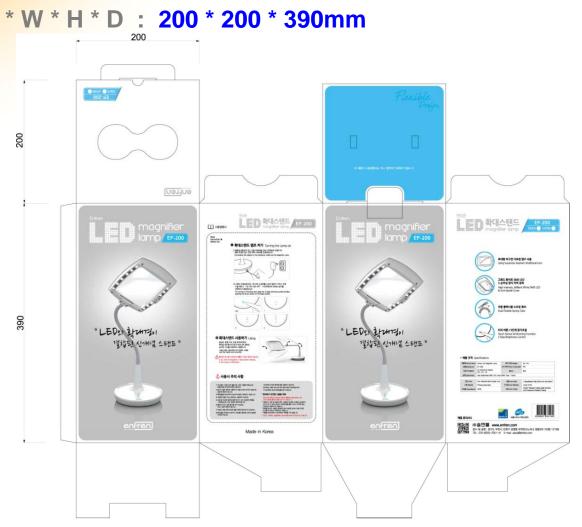




Compact

Packing

*Packing after separation of the LED Desk Lamp
/ Compact Sized Gift Box









View Angle & Product Color



*Length View type





*Width View type













* If you want special own color, MOQ 500pcs / color







Specification Of EF-200



EF-200	Specification	
Light Source	High Brilliant White SMD LED of Seoul Semiconductor (Made in Korea LED chip 12pcs)	
Brightness / Angle	5,300 mcd (650 Lux /35cm from the LED Bulb) / 180 도 STEP1=240 / STEP2=400 / STEP3=650 Lux	
Control Brightness	Dimming Controller [0FF - Level 1 - Level 2 - Level 3]	
The source of electric power	AC-DC Switching Adaptor (Input:AC100~240V 50/60Hz, Output: DC 12V / 1A)	
Electric Consumption	Max 5W (OFF; 0.4W / Level 1: 1.44W / Level 2: 2.76W / Level 3: 3.72W)	
Product Size & Weight	Base Ø 170 * Height 350mm / Weight 1.7kg	
Packing Quantity	20'FT DRY: 1,400 pcs	
Package	LED Desk Lamp , User Manual , AC Adaptor (1.7m)	







Specification Of Lens-1



Non-Spherical Multi Angular Lens

- No Spherical Aberration
- Providing Clear Magnified View without Distortion from Any Angle for a while

EF-200 LENS	Specification
Size	155 x 112 (mm)
Material	PC(Polycarbonate)
Scale	2 Magnification Ratio(35cm from bottom)
Reflexibility	Under 0.5%
Transmittance	>94%
Surface of the Lens	Scratch-Resistant Coating, Static Electricity and Contaminant Resistant Coating
Manufacturer	KOREA Enfren Co., Ltd.

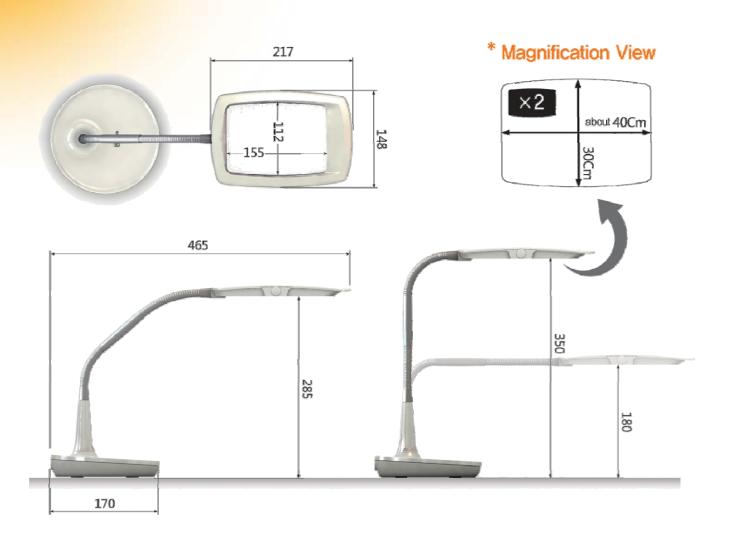






Specification Of Lens-2











CE Certification / RoHS



Declaration of EU RoHS Compliance

The EU Directive(s) covered by this Declaration:

2002/95/EEC; on the restriction of the use of certain hazardons substances in electrical and electronic equipment.

Product Name: LED Magnifier Madel Number(s): EF-200

Supplementary Information

The basic on which Conformity is being Declared and the Products herealth complies with the requirements of HoH's Directive 2002/95/EEC

Remarks

- According to ReVES Directive, a machiner concentration rather up to 0.75% by weight in homogeneous. notesials of electrical and electronic equipment for lead@b), necessary@igi, hecanalest shromianiCr VB, polybronimized hipkenels@fills) and polybronimized diplomp ethern(PBDEs). and agree 04956 by weight in agreeific materials for audinterioff (d) shall be televated.
- The above products have been compliant since product inception. He changes have been made in process or materials. All products said under the above PN psecionaly, coveredly and in fanae are will be fully compliant with SEI Directive 2002/95/EC



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Seog Jin Kim

CEO

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ZERTIFIKAT . CERTIFICATE



Attestation of Compliance

No. EBN 10 11 70812 002

Holder of Certificate: ENFREN Co., Ltd.

#103-1210, Bucheon Techno Park Ssangyoung 3th, 36-1, Samjeong-Dung, Ojeong-Gu

Bustwon-City, Geeonogi-Do 421-742

REPUBLIC OF KOREA

Name of Object:

LED lamps

LED Dusk Lamp

Model(s):

EF-200, LTK-1600 and LTK-1600Wide

Description of

Object:

Rated input votage:

(100-240) V a.c.

Tested

according to:

EN 55015(A1:2007 EN 61000-3-2-2006 EN 61000-3-3/AZ-2006

This Attendation of Compliance is issued according to the Directive 2004/103/EC relating to electromagnetic completibility on a scurritry basis. If confirms that the latest appearatus complies with all essential requirements of the EMC directive and applies only to the sample and to recruicel documentation submitted to TDV SUD Product Service Girld's feeling and certification. See also notes overleaf

Test report no.:



Date, 2010-11-05

(Keng-Min Rhee)

After preparation of the necessary technical documentation as well as the EC conformity declaration the required CE marking can be affixed on the product Other lands and the product Other lands are required.

TÜV SÜÖ Product Servico Entiti - Zertifirargista - Haberstrafa \$5 - 8233 Marchen - Garmany

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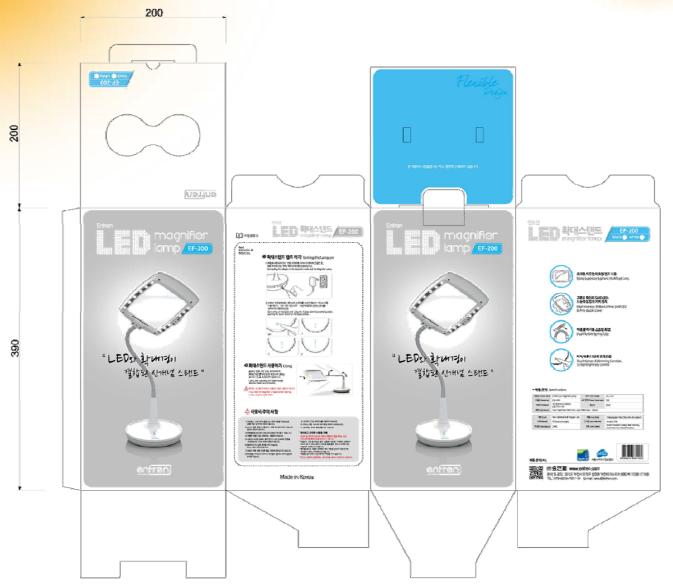






Gift Box











Carton Box



4pcs for 1 carton

416 414 enfren enfren "주소창에 <mark>주소(D) 엔프렌</mark> 만 치세요" Product LED Desk Lamp Flexible Enfren Brand Black White LTK-1500K Black Pink LTK-1600 Model Name Black White EF-200 GF-100 White Orange Violet O Q'ty 4EA / Carton C/T No. The Excellent Company Brand of Second Kottra





