



ENERGY STAR DESK LAMP & READING LAMP

quality lighting in style



WHAT IS ENERGY STAR



ENERGY STAR® is the government-backed symbol for energy efficiency, providing simple, credible, and unbiased information that consumers and businesses rely on to make well-informed decisions. Thousands of industrial, commercial, utility, state, and local organizations—including more than 40 percent of the Fortune 500®—rely on their partnership with the U.S. Environmental Protection Agency (EPA) to deliver cost-saving energy efficiency solutions. Together, since 1992, ENERGY STAR and its partners have helped save American families and businesses \$430 billion on their energy bills*—while also achieving broad emissions reductions—all through voluntary action.

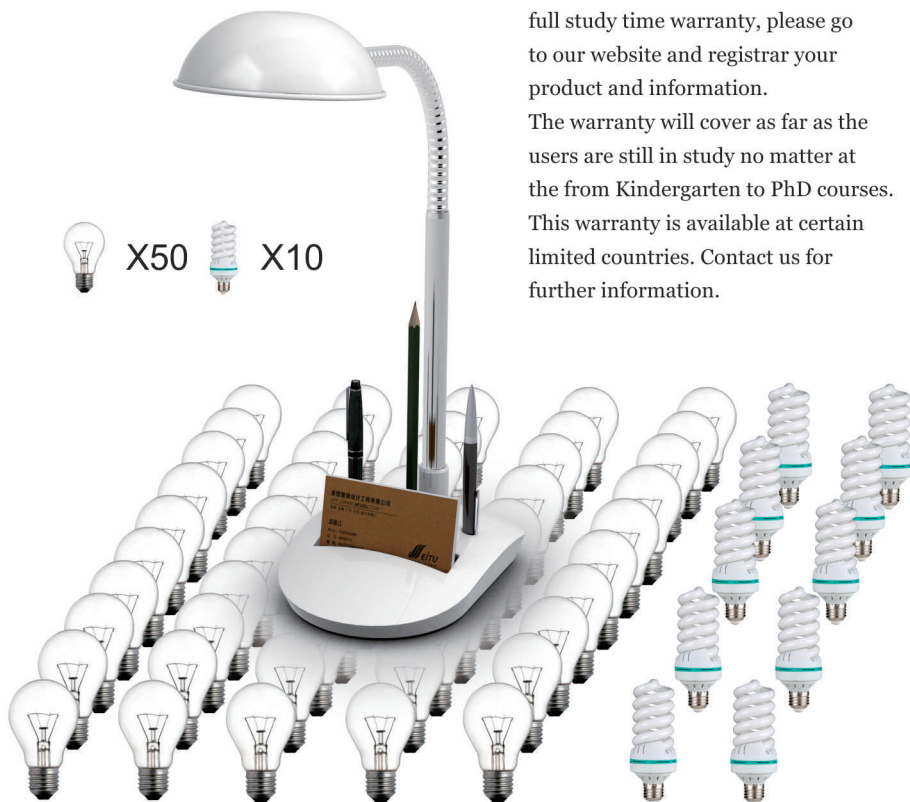
We are proud to be a partner of Energy Star, we have been deeply involved in the design, development and manufacturing of Energy Star lighting products since Energy Star was introduced. Together, we think we can do more not just for the business, but also for our environment and our planet. We are not just take care our products, we also take care our world and our future.

SUPERIOR ENERGY SAVING AND LONG LIFE

Our tLight desk lamp are superior environmental friendly, it uses only 1KW electronic in 60 days. It lasts up to 34 years based on every day 4 hours usage. tLight offer warranty to all student users during their study life, every student purchased the tLight Energy Star desk lamps will receive warranty until their graduation. #

Remark: # for the students to have full study time warranty, please go to our website and registrar your product and information.

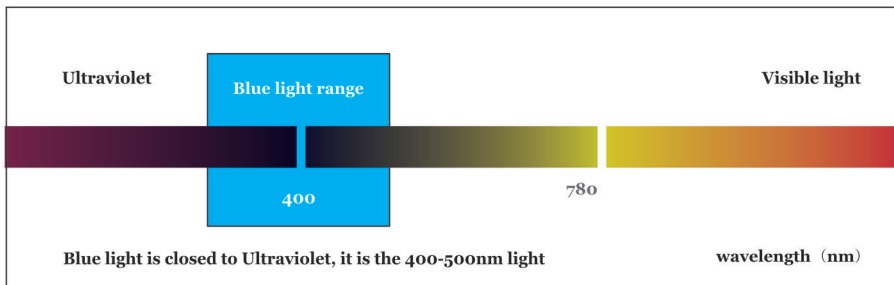
The warranty will cover as far as the users are still in study no matter at the from Kindergarten to PhD courses. This warranty is available at certain limited countries. Contact us for further information.



PREVENTION OF “BLUE LIGHT” DAMAGE

What is the “Blue Light”

Blue light is part of the visible light, it is the unhealthy part of light, it has strong energy, it can go through the retina of eyes and caused damages of retina.

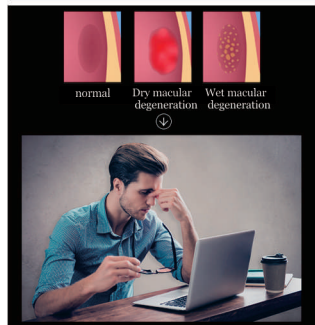
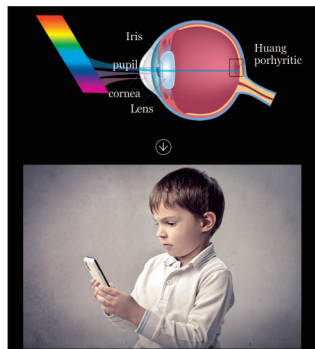


What “Blue Light” is unhealthy

Blue light has strong energy, when it goes to retina of the eyes, it can easily damage retina, this is the long period damage and it can not be recovered. Especially for children, it is far more serious. As the children's eyes are still in the growing period.

Blue light also cause damage to adult, even adult's lens of the eye can prevent certain blue light, if it is long time reading under the blue light, it will also cause damage of retina. As a result the vision ability will be serious reduction.

All of our energy star desk lamps and reading lights are designed with minimisation the blue light, details, please refer to spectrum report.



SPECTRUM TEST REPORT

Sample :
Specification :
Sample No. : RSZ160531512-10
Manufacturer : Tlight

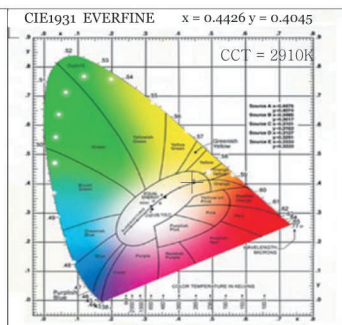
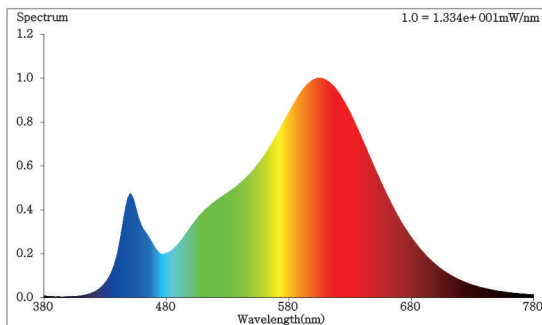
Date : 2016-06-03
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : Mick
Assessor : damin

Test Condition

Temperature : 25.6Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 47%
IP : 49887 (76%)
T : 346 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931ChromaticityDiagram

Colorimetric Parameters

ChromaticityCoordinate: $x = 0.4426$ $y = 0.4045$ $u' = 0.2540$ $v' = 0.5224$ ($duv = -5.60e-04$)

CCT= 2910K Prep WL: Ld=583.4nm Purity=54.3%

Peak WL: Lp=606nm FWHM: =121.8nm Ratio:R=23.7% G=73.6% B=2.6%

Render Index: Ra = 83.6

R1 =83 R2 =93 R3 =95 R4 =82 R5 =83 R6 =92 R7 =82

R8 =59 R9 =10 R10=84 R11=82 R12=77 R13=85 R14=98 R15=75

Photometric & Radiometric Parameters

Flux = 634.69 lm Eff. : 100.39 lm/W Fe = 1.9434 W

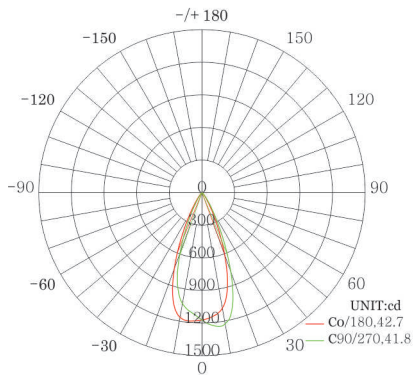
Electrical parameters

V = 120.1 V I = 0.05883A P = 6.322 W PF = 0.8949 F=60.00Hz

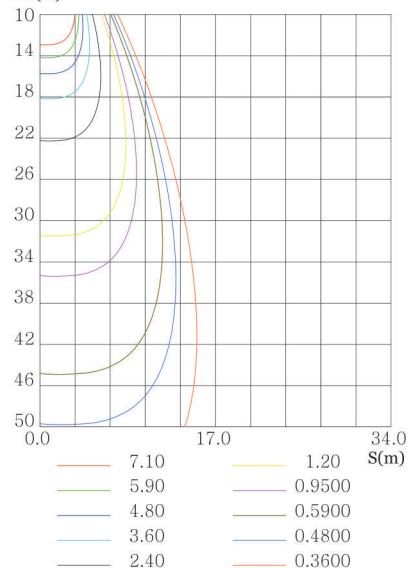
LUMINAIRE PHOTOMETRIC TEST REPORT

DATA OF LAMP		PHOTOMETRIC DAT EFF:101.77 lm/W			
MODEL	PSZ2Q160519001-10	Imax(cd)	1250	S/MH (C0/180)	0.63
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	0.68
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	648.29	η UP,DN(Co-180)	0.1, 46.0
NOMINAL FLUX(lm)	648.292	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0, 53.9
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Co PLANE ISOLUX DIAGRAM (UNIT:lx)

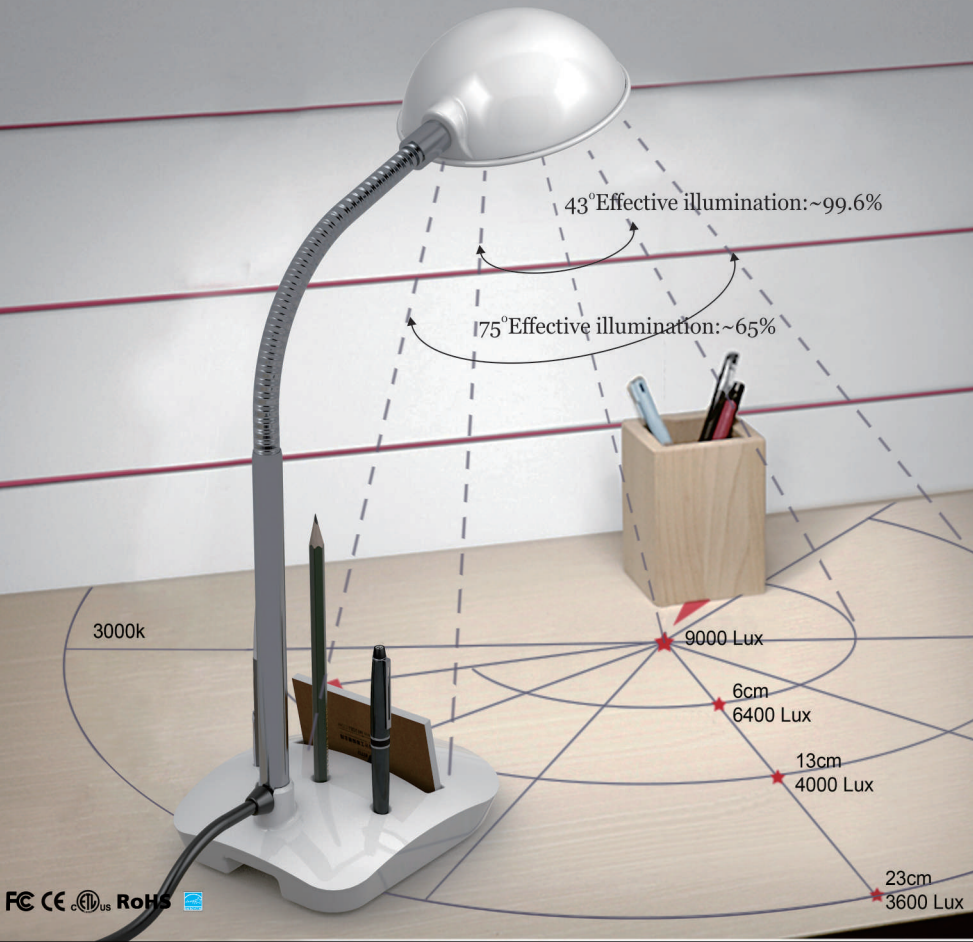


LIGHT DISTRIBUTION

The most perfect study light

Within 43 degree, the tLight desk lamp distributes 65% of the effective lumens and within 75 degree, it outputs 99% of the light.

At any position of the desk lamp projected light in 75 degree, the different of the light level and light colour is less than 0.04% different, this makes the tLight desk lamp one of the most perfect reading light.



LIGHT FLICKING

Most of the lighting products has certain flicking problems which were due to the electronic are generated at 50Hz.

Even we are not normally visible the flicking, however, when human eyes are reading the objects, the eyes are already deeply effected by the “50 Hz” flicking issues, which will caused eyes tiring, tension, headache. In the long term, it will reduce eyes visibility and cause other eyes problems.

All of our tLight Energy Star desk lamps are operated at 50,000 Hz and all are flicking free. Which are considered one of the best for the men made light.

It is very easy to test the flicking issues, just use your mobile phone and turn the video camera to focus the light, and see if there is flicking. When you see our desk lamps, you will see the perfect stable pictures on the screen.



THE CLOSEST TO SUN LIGHT READING LIGHT

In this planet, our natural light comes from the Sun, and we define the Sun light is perfect which we give it the CRI (Color Redlining Index) is 100, this means there is not other light better than our Sun light in the universal.

Our tLight delivery the light CRI more than 94 this means when you are reading a book or an object under tLight desk lamp, your eyes are seeing the “ True Color”, it is same as you are reading under the Sun light.

Today, most of the light in this plants, the CRI are less than 82, under such lights, people are easy to be tiring of reading objects after certain time, and loss of concentration, even cause damage of their visibility if they are long period of using an unsuitable light.

tLight energy star desk lamp brings the most natural light to everyone's desk and home.

Creating a environment just like setting in the garden or park and reading your book and doing your works, and enjoy every movement of your life.



SELECTIONS OF DESIGNS



SELECTIONS OF COLORS



Red(RD)



Brown(BN)



Yellow (YW)



Green (GN)



Blue (BL)



Pink (PK)



Silver (SL)



Black (BK)



White (WH)



clamp-on Type
75365



Spiral clip Type

75366



Cupula Type

75367



Magnetic Type

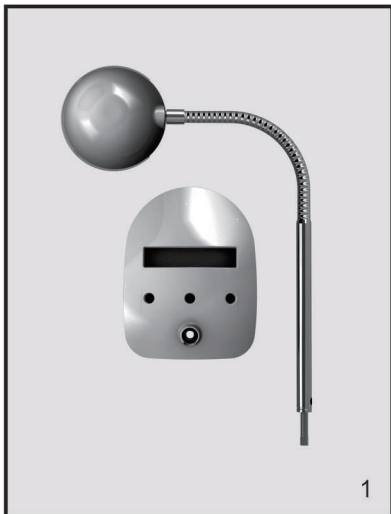
75368

FLEXIBLE NECK FOR VERSATILE ANGLE



MODULARIZATION

Compact Packing, Easy for Assembling



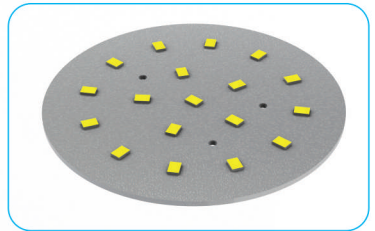
MOST ADVANCE LED CLIPS AND LENS



The LED Chips used in tLight are the latest LM80 chips with golden wiring



The most advance lens design with LG or Mitsubishi PMMA materials to ensure the perfect light distribution.



With the most thermal effective conductivity 2.0 aluminium PCB board, which guaranty the life and efficiency of our tLight desk lamps in the leading position.

Our tLight 75353 output up to 101 lumens/Wattage.



SPECIFICATION

Model #	75353	75349	75359	75360	75361	75362	75363	75364	75365	75366	75367	75368
Wattage	7	6										
Lumen	600	420										
Colour	3000/ 4000/ 5000	2700/3000/4000/5000										
CRI	83	94										
Dimming	NA											
Switch	ON/OFF											
Life	>50,000 hours											
Head	Adjustable											
Input Voltage	100-240V, AC	120V or 220V, AC										
Power Factor	> 0.85	> 0.9										
Power Supply	Internal											
Frequency	50Hz to 60Hz											
Operating temperature	5° to 104° F (-15° to 40° C)											
Relative humidity	5% to 95% noncondensing											
Plug	UL/VDE/PSE/BS/VDE/CCC/KS/SAA											
Material	ABS+Steel											
Body	White/Black/Red/Blue/Pink/Silver/Yellow/Blue/Brown (Nine Colors available)											
Arm	Chrome	Black (optional Chrome)										
Safety	ETL/CE/CCC											
Warranty	5 years warranty											
Energy Star	Yes, V2.0											
Product Size (mm)	378 x 150 x 150		327 x 130 x 170		327 x 150 x 150				327 x 120 x 120			
Box Size (mm)	210 x 55 x 275		150 x 290 x 65		160 x 290 x 45				120 x 290 x 45			
Master CTN (mm)	445 x 300 x 350		405 x 315 x 305		285 x 335 x 215				285 x 255 x 315			
PCS/40HQ	18000		20040		25896				34008			

SPECIFICATION

Design & Manufacture by www.tLight.cc

