

EcoPHOT™ LED Gooseneck Illuminator

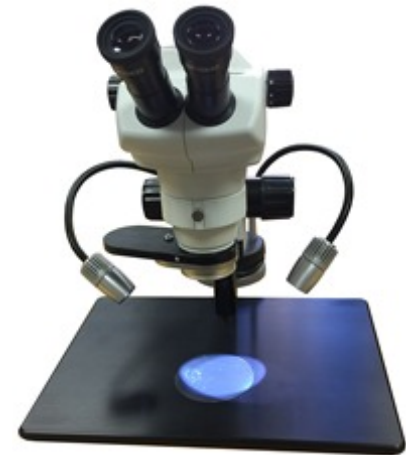


The EcoPHOT™ LED series Gooseneck Illuminators set the standard for a new generation of LED gooseneck LAB illumination. Designed utilizing the industry's highest performing high-output LED's, the EcoPHOT™ LED offers the equivalent output of traditional 150 watt halogen based illuminators with gooseneck fibers but using 85% less energy and requiring no lamp changes.

Designed for optimal thermal management to maximize reliability and optical performance, the EcoPHOT™ LED provides exceptional stability, uniformity and a consistent color temperature compared to traditional EKE light sources.

Benefits include:

- Performance of typical 150 watt Halogen Illuminators; High output , Consistent Color, Longer Life, 85% Less Energy Consumption and Reduced Ownership Costs (conversion from halogen ROI in 1-3 years!)
- Advanced Optical Design, Highest quality LEDs Using Metal Core PCB's
- Precision Engineered Cooling for Silent, Vibration-free Operation
- Sealed to Prevent Liquid Intrusion for Increased Safety and Reliability
- Maintenance Free LED's Have a Lifetime of >50,000 Hours
- Eliminates 100's of Lamp Replacements (EKE/EJA Halogen lamps)



SZ645 with EcoPHO™ LED, LAB stand and exclusive 2 position auxiliary objective changer

Custom engineered solutions are also available. Contact us for more details.

Additional Features and Benefits:

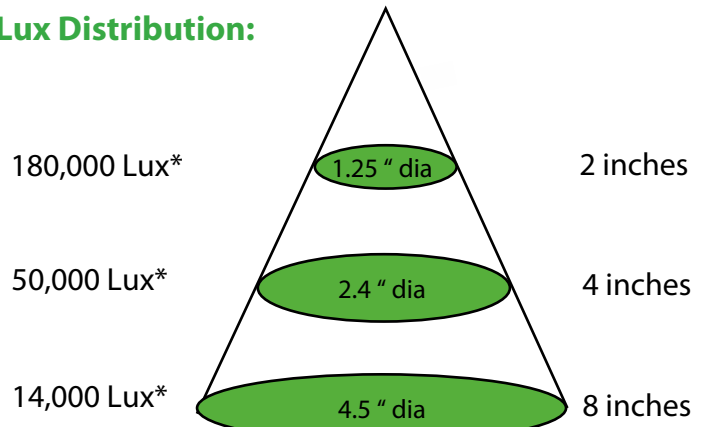
- Consistent Color Temperature: 5500°K, 5000°K or 3400°K (halogen equiv.) choices available
- Small Footprint and Rugged Stainless Steel and Aluminum Housing is Exceptional for Laboratory demands
- Touch Intensity Control for ON/OFF/Dimming (5%-100% continuous) and no color shift or flickering
- Integrated AC Power Cord Wrap for 120 vac Operation - AC Integrated Model
- Universal Wall Power Supply for Worldwide Operation (90 - 250 vac 50/60 Hz) - DC Remote Power Model
- Manufactured for Nyoptics by a world leader in illumination technologies
- Stable, Non-tipping Design with No-Mar Base; Black Electro-plated 18" Goosenecks and heads
- Fully Sealed Top, touch control, and LED Heads for No Liquid Intrusion (IP54 equiv)
- Ideal light source for photomicrography eliminating constant white balance corrections



Technical Data:

Color Temperature	
Cool White	5500 K
Warm white	3400 K
AC Model input	120 VAC, 50-60 Hz
DC Model input	96-264 VAC, 50-60 Hz
Power	12 Watts (Max)
Lifetime	Minimum 25,000 hours Typical 50,000 hours
Dimensions:	4.75" Dia x 2" Tall
Unit Weight	7 lbs
Warranty	1 year

Lux Distribution:



* Average output per head

EcoPHOT LED Selection Guide

Example: EGDDA = Daylight Dual Goose - AC

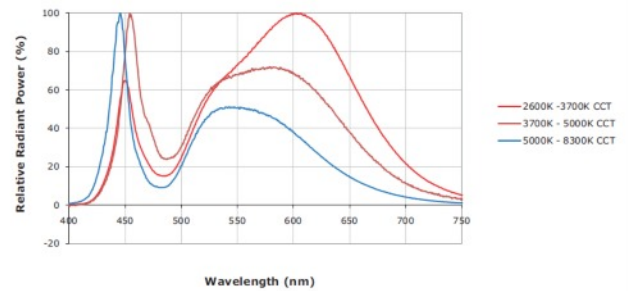
E | **Model Name**
G | EcoPHOT LED Gooseneck

D | **Gooseneck Model**
D = Dual Light Guide
S = Single Light Guide
Z = Custom (Call for Options)

D | **Corrected Color Temperature**
C = Cool White (5500 K)
D = Daylight (5000 K)
W = Warm White (3400 K)
Z = Custom (Call for Options)

A | **Model**
A = AC input
D = External DC
(Supply included)

Relative Spectral Power Distribution



Wavelength (nm)



AC with cord wrap model



DC remote power model



Illuminated Touch Control

ISO
9001
QUALITY
ASSURANCE



MADE IN U.S.A

NYOPTICS
CORPORATION