

## NERLITE® PHARMALITE

### 标签和包装行业的照明解决方案

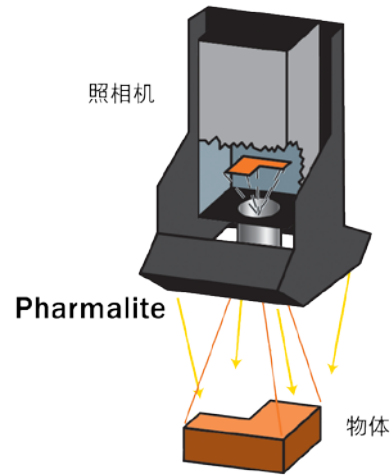
迈思肯的智能系列 NERLITE 产品包含一个内置控制器，可提供完整的易于集成的解决方案。

NERLITE Pharmalite非常适合用于标签、包装箱和制药行业的照明，以及众多其他包装应用。几何暗场可以为平整光滑表面提供均匀的照明，而不必担心反光和亮点。Pharmalite的相机安装支架通过简单集成，可以快速安装迈思肯相机，例如智能相机和GigE相机。



#### Pharmalite: 简介

- 智能系列：高强度输出，采用最先进 LED 技术
- 用于光线强度及开关控制的整合式脉宽调制（PWM）
- 安装支架可以让您轻松直接地连接多种相机：
  - QX Hawk and Vision HAWK
  - C-Mount QX Hawk and Vision HAWK
  - Visionscape GigE Camera



#### 照明示例：

环形灯



Pharmalite



**光滑标签：**均匀的照明有助于可靠的图像读取和解码。

#### 应用实例

- 照明有反光或暗淡的平面
- 标签检测
- 印刷包装检测
- 需要直接安装到相机上的暗场应用

有关本产品的详细信息，请访问 [www.microscan.com](http://www.microscan.com)。

# NERLITE® PHARMALITE SPECIFICATIONS AND OPTIONS

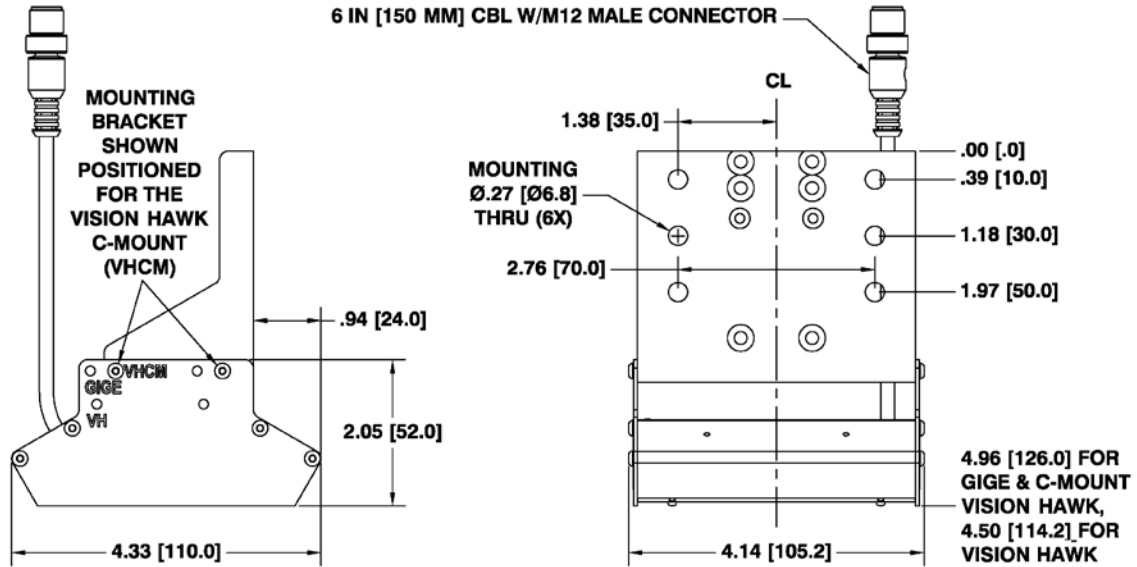
## PHARMALITE

DESCRIPTION	nm/K	CONT. CURRENT	STROBE CURRENT	mcd	
				CONT.	STROBE
Pharmalite, Smart Series, White	6700 K	170 mA	1.0 A	352128	1743476

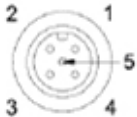
**Aperture Dimensions:** 1.79" (45.4 mm) x W 3.90" (99.1 mm) **Field of View:** 2" (50.8 mm) x 1.5" (38.1 mm)

**Stand Off:** 1.5" (38.1 mm) to 2" (50.8 mm) **Weight:** 11.2 oz. (318 g)

**Dimensions:** H 4.96" (126 mm) x W 4.14" (105.2 mm) x D 4.33" (110 mm)



### M12 5-pin plug:



### Pin Assignment

- 1 +24 VDC
- 2 Trigger (-)
- 3 DC Ground
- 4 Trigger (+)
- 5 Dimmer

### ENVIRONMENTAL

**Enclosure:** Black anodized aluminum, IP50 rated

**Operating Temperature:** 0° to 50° C (32° to 122° F)

**Storage Temperature:** 0° to 50° C (32° to 122° F); **Humidity:** up to 95% (non-condensing)

### LIGHTING PARAMETERS

**Aperture Dimensions Defined:** Dimensions of opening through the illuminator.

**Field of View Defined:** Largest recommended evenly illuminated area as seen from the camera (also known as Area of Interest [AOI]).

**Stand Off Defined:** Recommended distance between the bottom of the light and the surface of the object being illuminated.

### LIGHT SOURCE

**Type:** High output LEDs

**Light Output:** Millicandelas

**Expected Life:** 36,000 hours; **Eye Safety:** EN 60825-1: Class 1

### CONNECTOR

**Type:** M12 5-pin plug, A-code, 6 in. (150 mm) integrated cable

### ELECTRICAL

**Power:** 20.2–28.8 VDC

**Continuous Operation:** No additional signals required

**Continuous Operation with Dimming:** 0 VDC (LEDs off) to 3.1–3.5 VDC (LEDs on) PWM signal. < 1 mA, modulation frequency 2 KHz +/- 100 Hz. Note: LED duty cycle will equal duty cycle of dimming signal when using this mode.

**Continuous Operation with On/Off Control:** 0 VDC (LEDs off) to 3.1–3.5 VDC (LEDs on), < 1 mA

**High Output Strobe Operation:** Optoisolated. 0 VDC (LEDs off) to 3.1–28.8 VDC (LEDs on). 10 mA max, 5 µs min to 10 mS max pulse width. Note: High Output Strobe internally limits LED frequency and pulse width to maximum of 90 Hz and 1 mS respectively.

### CE COMPLIANT

### ISO CERTIFICATION

Certified ISO 9001:2008 Quality Management System

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Microscan Applications Engineering is available to assist with evaluations. Results may vary depending on symbol quality.

**Warranty**—For current warranty information on this product, please visit [www.microscan.com/warranty](http://www.microscan.com/warranty).

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