

H3257 LED LIGHT SOURCE



The H3257 is an LED light source that provides a uniform light output. By default, the H3257 emits light that is pulsed at 7.5 kHz, making it an excellent choice for discriminating detectors, such as the H3218, H3218E, H3118, H3183, and H3109. The H3257 can be easily configured to emit DC light for compatibility with line scan and array cameras, such as the DAC-005.



The H3257 provides a superior alternative to pulsed fluorescent light sources; featuring much greater resistance to shock and vibration, greater tolerance to temperature extremes, and more uniform light intensity. The use of long-life LEDs nearly eliminates maintenance requirements. An internal dry-contact relay indicates the status of the light source. The contact will open under any detected fault conditions.

The light intensity can be adjusted locally with an easily accessible push-button switch. Additionally, diagnostic information and light intensity adjustment are available remotely via an optional Modbus-RTU connection.

GENERAL SPECIFICATIONS

Compatible Sensors:

H3218, H3218E, H3118,
H3183, H3109, and DAC-005

Available Light Modes:

Pulsed 7.5 kHz (Single) – this is
the default DC Light (Single or
Dual) Synchronized (Dual)

Voltage Input:

10 VDC to 30 VDC

Power Requirements:

5 W per 12" of length

Operating Temperature:

-20 to 50 °C (-4 to 122 °F)

Lens Material:

Polycarbonate

Status Output:

Contact closure indicates
normal operation

Connectors:

Three -- two for power and
Modbus*; one for
synchronization of two light
sources

Sizes:

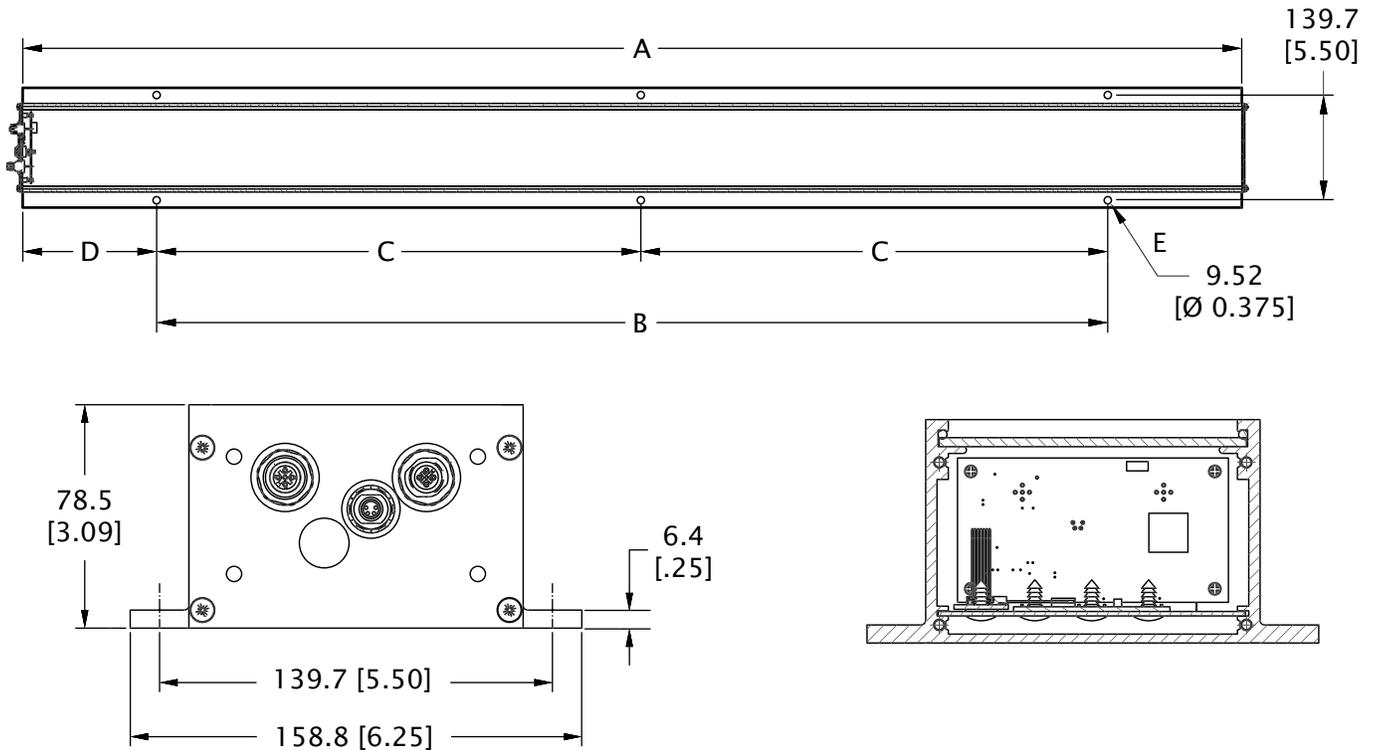
24.5", 47" and 92"

KEY FEATURES

- Long-lifetime LEDs virtually eliminate periodic maintenance
- Diffused light provides excellent uniformity
- Configurable pulsed or DC light mode
- Local intensity adjustment
- Remote control via Modbus protocol
- All plug-in cabling

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DIMENSIONS



PART NO.	DESCRIPTION	A	B	C	D	E*
290001165	Diffused LED Light Source 24.5"	619.8 (24.40)	457.2 (3.20)	X	81.3 (3.20)	4
290001198	Diffused LED Light Source 47"	1192.8 (46.96)	X	50.8 (20.00)	88.4 (3.48)	6
290001197	Diffused LED Light Source 92"	2336.8 (92.00)	X	990.6 (39.00)	177.8 (7.00)	6

Table 1. H3257 Part numbers and dimensions

* E indicates number of mounting holes

Dimensions in mm (inches)



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