



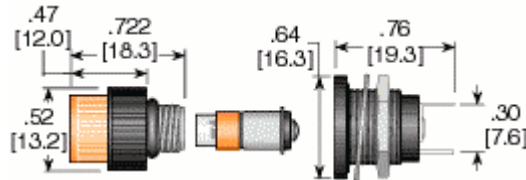
L-MLS470WP-NVIS

NVIS Compatible Solid-State Lighting Indicator

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MAIN FEATURES

- Night Vision Imaging System (NVIS) compatibility Per MIL-L-85762A and MIL-STD-3009
- Watertight assembly – environmentally sealed
- Complete with O-ring and mounting hardware
- Assembly per Mil# LH89/1 & LC35
- Shock and vibration resistant
- Minimal heat generation
- Front Relampable
- NVIS Colors
- Long life



Dimensions are in inches (mm)

Part Number	Input Volts (V)	Current I _f (mA) typ	Source	NVIS Color per Table A
L-MLS470WP-NVIS-GA01	3.6/4	18 - 20	InGaN	Green A
L-MLS470WP-NVIS-GA14	12/14	16 – 18	InGaN	Green A
L-MLS470WP-NVIS-GA28	24/28	14 - 16	InGaN	Green A
L-MLS470WP-NVIS-GB01	3.6/4	18 - 20	InGaN	Green B
L-MLS470WP-NVIS-GB14	12/14	16 – 18	InGaN	Green B
L-MLS470WP-NVIS-GB28	24/28	14 - 16	InGaN	Green B
L-MLS470WP-NVIS-YA01	3.6/4	18 - 20	InGaN	Yellow Class A
L-MLS470WP-NVIS-YA14	12/14	16 – 18	InGaN	Yellow Class A
L-MLS470WP-NVIS-YA28	24/28	14 - 16	InGaN	Yellow Class A
L-MLS470WP-NVIS-YB01	3.6/4	18 - 20	InGaN	Yellow Class B
L-MLS470WP-NVIS-YB14	12/14	16 – 18	InGaN	Yellow Class B
L-MLS470WP-NVIS-YB28	24/28	14 - 16	InGaN	Yellow Class B
L-MLS470WP-NVIS-R001	3.6/4	18 - 20	AllnGaP	Red
L-MLS470WP-NVIS-R014	12/14	16 – 18	AllnGaP	Red
L-MLS470WP-NVIS-R028	24/28	14 - 16	AllnGaP	Red



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The L-MLS470WP-NVIS was developed as a rugged, watertight lighting indicator that meets the requirements of MIL-L-85762A and MIL-STD-3009. Incorporating our solid state lamps, with various NVIS infrared suppressing color filters, the L-MLS470WP-NVIS is a reliable front panel mount device with solderable leads designed for severe environments.

ENVIRONMENTAL SPECIFICATIONS

Vibration: .06" D.A. or 20G Peak, whichever is less, 10 Hz to 2 kHz, MIL STD 202, Method 204, Test Condition D.

Shock: 100 G's MIL STD 202, Method 213, Test Condition I.

Moisture Resistance (Humidity): MIL STD 202, Method 106.

Altitude: 100,000 ft., MIL STD 202, Method 105, Test Condition D.

Reliability: 10,000 hours under static laboratory conditions.

Salt Spray: MIL STD 202, Method 101, Test Condition B.

MECHANICAL SPECIFICATIONS

Case: Black high temperature plastic/treaded metal holder with lamp socket and tinned pin terminals.

Lens: Fluted lens, black knurled collar, and threaded metal stem.

Mounting: 15/32" (11.7mm) threaded case with O-ring, washer, and hex nut.

Seal: Environmentally sealed for moisture. Opaque black sealed for unfiltered stray light.

TABLE A

Type	Trans.	Color (x,y)	Color (u',v')	NVIS Radiance
NVIS Green A	22%	0.24, 0.61	0.10, 0.56	(NR)a @ 0.1fL < 1.7e-10
NVIS Green B	20%	0.31, 0.64	0.12, 0.57	(NR)a @ 0.1fL < 1.7e-10
NVIS Yellow Class A	11%	0.48, 0.52	0.23, 0.57	(NR)a @ 15fL < 1.4e-07
NVIS Yellow Class B	31%	0.51, 0.48	0.27, 0.56	(NR)b @ 15fL < 1.4e-07
NVIS Red	65%	0.66, 0.34	0.45, 0.53	(NR)b @ 15fL < 1.4e-07



Specifications are subject to change without notice.