

UHP-M-NDT Ultra-High Power UV-LED Light Source for Dye Penetrate NDT

Ver. 02

Introduction

Prizmatix UHP-M-NDT Light Source is designed to substitute the conventional Mercury lamps in dye penetrate NDT applications. The device feature Ultra High Power 365nm UV LED coupled to liquid light guide. The LED light is filtered to eliminate residual white light.

Totally self-contained with all necessary driver electronics and thermal management built in UHP-M-NDT offer superior illumination from the light guide.



Key Features

- Uniform intense UV Illumination from a flexible light guide.
- Ruggedized metal enclosure.
- Stable operation.
- Instant ON/OFF eliminates the need in shutter and extends the system lifetime
- Long life (no lamp replacement required).

Optical Specifications

Wavelengths	nm	365
Irradiance at 6 inch from collimator	$\mu\text{W}/\text{cm}^2$	>15000
Distance where white light <2FC	inch	6.2

Main Office

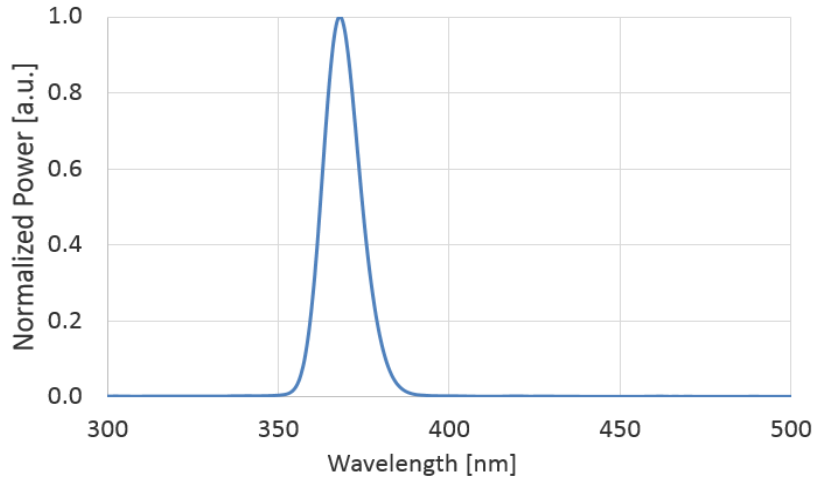
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UHP-M-NDT Output Spectrum

Electrical Specifications

Power control	%	0-100
Input Voltage	V	12
Power Adaptor Safety		

General Specifications

Operation temperature range	°C	10 - 35
Storage temperature range	°C	-10 - 55
Operating relative humidity (Non-condensing)	%	<90
Dimensions		See drawing below
Light source weight	Kg	1

Ordering Information

Item Description	P/N
UV Light Source (power adaptor included)	UHP-M-NDT
Ruggedized 5mm core liquid light guide	LLG-5-NDT
Collimator for the LLG-5-NDT light guide	LLG-C-NDT

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