UV HARSH ENVIRONMENT LED LUMINAIRES

LEDRAYS MASTERING LIGHT

UVF SERIES

PRELIMINARY RELEASE

DESCRIPTION

The new UVF Series Ultraviolet LED industrial luminaires are engineered for difficult and harsh environments to address the limitations of traditional consumer & commercial grade UV fixtures in demanding applications by integrating direct UV LED light engines with low heat production, fanless operation and with no UV filters. Designed for the curing & drying in the Inks , Paints , Adhesives and Coatings markets , UV Habitat reproduction, Non-destructive testing (NDT)& for Food inspection. Additionally the UVF luminaire is engineered to accept UVB, UVC & IR limited spectrum LED engines as an option.

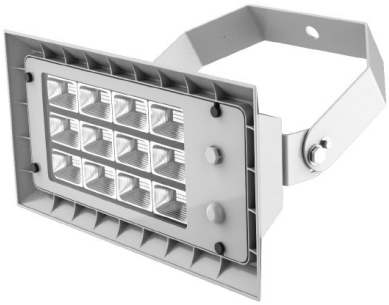
The UVF Series luminaires are well suited when high reliability, long life and above average performance are required in applications utilizing the UV spectrum. The main structure, LED carriers, end plates and Driver/wiring enclosure is Aluminium with an advanced surface treatment for long lasting protection from the elements.

Practically indestructible engineered polycarbonate fascias and molded synthetic polymer or EPDM gaskets protect against particulate intrusion & SS304/316 type hardware ensures long term reliability.

The UVF Series industrial LED luminaires presents a smooth and undisturbed surface allowing it to remain clean and uncontaminated providing for improved maintenance factor. With an ingress protection rating of IP66 the UVF Series LED luminaires are harsh environment capable, completely sealed against the infiltration of airborne contaminants and feature very low maintenance cycle requirements.

Long term reliability is achieved via the use of superior materials, electronics and exceptional engineering. Good Efficacies are possible by reducing light emission losses from thermal, electrical and optical systems.
The UVF Series LED luminaires with on board digital drivers with 4 way power protection and optional thermal roll back provide stable performance and guard against light depreciation. Proven reliable under demanding conditions with a robust design and best in class LED engines from LG™.

Selection of the right Ultraviolet luminaire for tougher applications is simplified and uncompromised with two distribution configurations and three power options and complete UV spectrum ability to accommodate most speciality applications.



ULTRA HIGH EFFICACY IP66 LONG LIFE IQ LED ENERGY SAVING

APPLICATIONS

- Curing & Drying
- Inks, Paints & Coatings
- Habitat Reproduction
- Medical Phototherapy
- Forensics
- Germicidal

UVF SERIES SPECIFICATIONS

FIXTURE SERIES	POWER	LED TYPE	WAVELENGHT	DISTRIBUTION	PEAK INTENSITY	OPERATING VOLTAGE	IP RATING	DIMENSIONS
LR-UVF-SP80W-XX-XX	80W	LG™ 3535 SMD	UVA-365-415nm UVB-305nm * UVC-278nm *	30° x 60° 60° x 90° DOUBLE ASYMMETRIC	25,000-29,000nW @ 365nm	DC-24V * AC90-277V AC180-508V	IP66	L427 x W290 x D170mm L16.9 ” x 11.5 ” x 6.70 ”
LR-UVF-SP100W-XX-XX	100W	LG™ 3535/6868 SMD	UVA-365-415nm UVB-305nm * UVC-278nm *	30° x 60° 60° x 90° DOUBLE ASYMMETRIC	30,000-38,000nW @ 365nm	DC-24V * AC90-277V AC180-508V	IP66	L427 x W290 x D170mm L16.9 ” x 11.5 ” x 6.70 ”
LR-UVF-SP150W-XX-XX	150W	LG™ 3535/6868 SMD	UVA-365-415nm UVB-305nm * UVC-278nm *	30° x 60° 60° x 90° DOUBLE ASYMMETRIC	48,000-54,000nW @ 365nm	DC-24V * AC90-277V AC180-508V	IP66	L427 x W290 x D170mm L16.9 ” x 11.5 ” x 6.70 ”

* Optional Configurations

T: 514 484-8462
TF: 888 **LEDLABS**
(888.533.5227)

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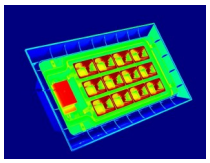
FEATURES

HIGH PERFORMANCE
LG™ LED ENGINES

ADVANCED REFLECTOR
BEAM CONTROL



SUPERIOR THERMAL
PERFORMANCE

RUGGEDIZED ALUMINIUM
STRUCTURE

HIGH EFFICIENCY
DRIVERS

PRODUCT IMAGES

ORDERING INFO: LR-UVF-SP150—SO—SA—T2—__—__

ELECTRICAL SPECIFICATIONS

1. Power Input: AC90-277V
2. DC-24V OR AC180-528V (* Option)
3. Power Factor: ≥98
4. THD: ≤18% @ full Load
5. Standard 1M/3.3ft SWOOJ cord length

POWER	EFFICIENCY	WAVELENGHT	DISTRIBUTION	DIMMING *	OPERATING VOLTAGE
80W-**080**	320mW/w-**SO**	UVA-365-415nm-**SA**	30° x 60°-**T1**	**None – Blank**	100-277VAC-**Blank**
100W-**100**	360nW/w-**HO**	*UVB-305nm-**SB**	60° x 90°-**T2**	PWM-**01**	180-528VAC-**HV**
150W-**150**	830nW/W-**IR**	*UVC-278nm-**SC**		1-10V-**02**	
	(F or IR only)	*IR-840-870nm-**SI**		VAR RES-**03**	
				DALI-**04**	
				LEDIM-**05**	
				TEDIM-**06**	
				DMX-**07**	

DIM Control: 0-5V, 0-10V, 1-10V, 0-20ma, 4-20ma, RS485, RS-232, PWM, RES, LEDIM, TEDIM, DMX512, DALI, Custom

* LEDRAYS offers the following dimming options (Please note not all DIM methods apply to a particular product)

-DMX512 is available with RDM Protocol

SINGLE LED ENGINE OPTICAL POWER

UVA UP TO 2530mW

Available with 365nm or 395nm Peak Wavelength

UVB UP TO 20mW

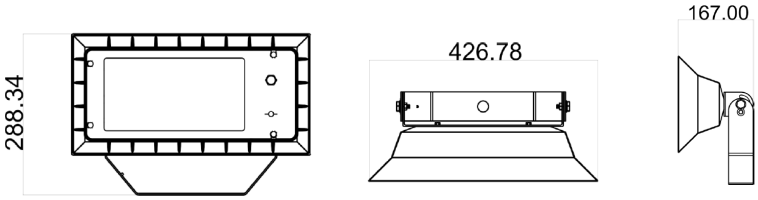
UVC UP TO 70mW

* Optional Configurations/Please note SO & HO Efficiencies are for UVA Spectrum only.

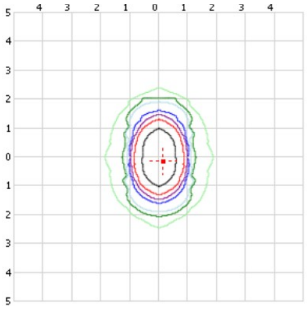
Typical Peak Irradiance at 365nm: 5300μW/cm² with 30° x 60° double asymmetrical Optics at 30 "/760.2mm

DIMENSIONS mm/ WEIGHTS kg/lbs (± 0.4kg/± 0.88lbs)

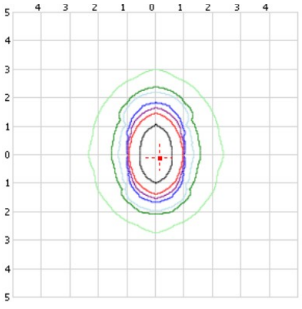
80W 3.7kg/8.15lb -100W 4.8kg/10.6lb -150W 5.1kg/11.3lb



DISTRIBUTION



100W / 60° x 90°



150W / 60° x 90°

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