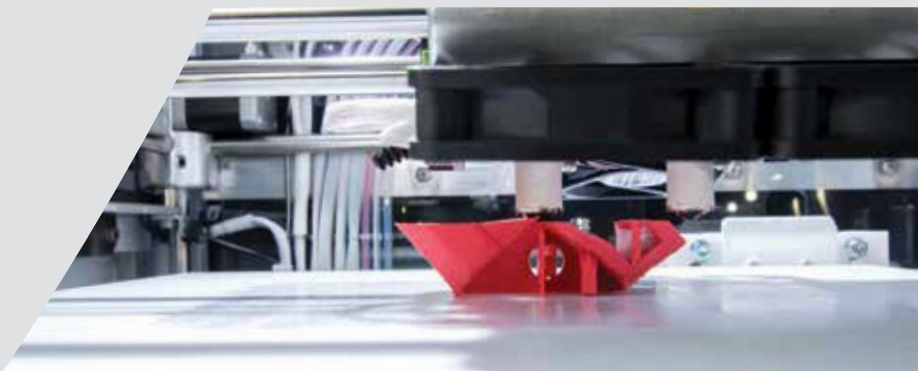


A Global Leader in UV Curing Solutions

OmniCure® UV Curing
Product Catalog - 2017



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What's NEW!

OmniCure LX500 UV LED SPOT CURE SYSTEM

- Outstanding optical stability via Intelli-Lamp® LED technology
- Exceptionally high peak irradiance for increased curing efficiency
- Calibration utility to maintain long term stability of UV light
- Unparalleled process control with StepCure® 2.0
- Programming and data logging in real time via a Micro SD

For more information, refer to pages 11-12.



OmniCure AC5 Series UV LED AREA CURE SYSTEM

Designed with high-output LEDs and custom optics, OmniCure AC550/P and OmniCure AC575/P air-cooled UV LED curing systems provide high irradiance (14W/cm²), enabling manufacturers to achieve outstanding productivity and reduce running costs using LEDs with long lifetime and lower electrical consumption. Excelitas' OmniCure AC5 Series LED systems are ideal for curing inks, adhesives and coatings in printing applications such as labels, bar coding and package printing, and for industrial and electronics manufacturing applications.

For more information, refer to page 16.



OmniCure AC8225-F+ UV LED AREA CURE SYSTEM

OmniCure AC8225-F+ UV LED curing system is specifically designed for fiber curing applications. With a custom optical design and advanced front-end optics, the AC8225-F+ provides high peak irradiance and exceptional uniformity at specific working distances for fast, even curing in fiber coating applications. The AC8225-F+ system delivers up to 16W/cm² peak irradiance, and features an optional replaceable outer window assembly for added protection.

For more information, refer to page 19.



OmniCure S Series

UV CURING

OmniCure S1500 Series

The OmniCure S1500 UV spot curing system has a multitude of built-in features that provide exceptional control, precision and versatility. Features include an adjustable iris, patented Intelli-Lamp technology, selectable bandpass filters, process alarms and 'lock out' protection.



Standard Filter Part # 010-00224R
Optional Filter Part # 010-00225R

Technical Specifications

S1500	
Lamp Technology	High Pressure 200 Watt Mercury Vapor Short Arc with integrated Intelli-Lamp®
Lamp Life	Typical effective lamp life of 4000 hours and a guaranteed 2000 hours
Available Filters	Standard: 320-500 nm, Optional: 250-450 nm*, 365 nm, 320-390 nm, 400-500 nm
Panel Controls	Power On/Off, LED display, Up/Down adjust buttons, Start/Stop button
Panel Displays	Accumulated lamp usage, exposure time, iris setting, lamp on/warm-up status, shutter open, light guide detection, shutter/lamp error
Warm-up Period	4 minutes (typical)
Power In	100-240VAC, 50/60Hz
Dimensions (LxWxH)	13.3" x 7.1" x 7.9" (33.8 cm x 18.0 cm x 20.1 cm)
Weight	9.9lbs (4.5kg)
Warranty	1 year (excluding lamp and light guide)
Irradiance	Up to 23W/cm ²

* Blank filter; must be used with Fiber or Extended Range Light Guide.

Accessories

Part Number	Description
019-01045R	Filter 365 nm
019-01046R	Filter 250-450 nm
019-01047R	Filter 400-500 nm
019-01048R	Filter 320-390 nm, requires spare lamp 012-64000R
019-01049R	Filter 320-500 nm
019-00108	Kit, External Filter Adaptor Assembly
019-01022	320-480 nm External Filter
019-01023	320-390 nm External Filter
019-01024	365 nm External Filter
019-01025	Blank External Filter
019-01026	400-500 nm External Filter

OmniCure S Series

UV CURING

OmniCure S2000 Series

Well recognized in the industry as the leader in precision UV spot curing applications, the OmniCure S2000 provides the power, control and repeatability required for high-speed automated assembly. Offering a powerful 200 Watt lamp with a guaranteed life of 2000 hours, the OmniCure S2000 also offers our proprietary Closed Loop Feedback technology that monitors light output in real time and automatically corrects the light output within +/- 5% to ensure a consistent and repeatable process. When combined with the OmniCure R2000 Radiometer, the OmniCure S2000 UV spot curing system is unmatched in precision and reliability. The OmniCure S2000 is also designed to adhere to regulatory requirements for validation and is RoHS compliant.

NOTE: For more information, refer to pages 5.

Technical Specifications

S2000	
Lamp Technology	High Pressure 200 Watt Mercury Vapor Short Arc with integrated Intelli-Lamp®
Lamp Life	Typical effective lamp life of 4000 hours and a guaranteed 2000 hours
Available Filters	Standard: 320-500 nm Optional: 250-450 nm*, 365 nm, 320-390 nm, 400-500 nm
Panel Controls	Power On/Off, LED Display, Adjust Up/Down Start/Stop, Lock/Unlock
Panel Displays	Accumulated lamp usage, exposure time, iris setting (0-100%)/irradiance level (0.2W/cm ² - 40W/cm ² , lamp on/warm-up status, shutter open, light guide detection, shutter/lamp error
Warm-up Period	4 minutes (typical)
Power In	100-240VAC, 50/60Hz
Dimensions (Lx-WxH)	13.3" x 7.1" x 7.9" (33.8 cm x 18.0 cm x 20.1 cm)
Weight	9.9lbs (4.5kg)
Warranty	1 year (excluding lamp and light guide)

* Blank filter; must be used with Fiber or Extended Range Light Guide.



Standard Filter Part # 010-00224R
Optional Filter Part # 010-00225R

Light Guides

UV CURING

Liquid Light Guides

Part Number	Description
805-00002	Liquid Fill (5 mm x 1000 mm)
805-00004	Liquid Fill (3 mm x 1000 mm)
805-00006	Liquid Fill (5 mm x 750 mm)
805-00007	Liquid Fill (5 mm x 1500 mm)
805-00008	Liquid Fill (5 mm x 3000 mm)
805-00009	Liquid Fill (8 mm x 1000 mm)
805-00010	Liquid Fill (8 mm x 1500 mm)
805-00011	Liquid Fill (2 x 3 mm x 1000 mm)
805-00012	Liquid Fill (2 x 3 mm x 1500 mm)
805-00022	Liquid Fill (3 mm x 1500 mm)
805-00026	ER Liquid Fill (5 mm x 1000 mm) *
805-00041	ER Liquid Fill (8 mm x 1000 mm) *

* To be used with 250-450 nm filter or no filter.

High Power Fiber Light Guides

Part Number	Description
806-00005	High Power Fiber (2 x 3 mm x 1000 mm)
806-00006	High Power Fiber (4 x 3 mm x 1000 mm)
806-00007	High Power Fiber (3 x 3 mm x 1000 mm)
806-00010	High Power Fiber (2 x 3 mm x 1500 mm)
806-00011	High Power Fiber (5 mm x 1000 mm)
806-00012	High Power Fiber (3 mm x 1000 mm)
806-00020	High Power Fiber, Light Line, Single Leg (65 mm x 1500 mm)

Note: Non-stocked light guides available upon request (10-12 week delivery time).

UV Lamp

Part Number	Description
012-64000R	Standard Spare 200W Lamp for S2000 and S1500 (for 010-00148R, 010-00162R, 010-00224R and 010-00225R)
012-65000R	Spare 200W Lamp for Surface Curing for S2000 (for 010-00163R)
012-60850	Standard Spare 100W Lamp for S1000, Novacure N2100 and Acticure
012-60650	Spare Novacure lamp For models N2001-A1, N2001-A, N2001, N2000.
300-60651	Ultracure 100SS Plus



The OmniCure Liquid Light Guides provide a cost effective solution for single spot light delivery.



EXAMPLE ABOVE:
2 legged x 2 mm x 1000 mm

The OmniCure High-Power Fiber Light Guide supplies an equal distribution of light energy to multiple cure sites from a single light source.



Light Guides

UV CURING

Non Stock Liquid Light Guides

Part Number	Description
805-00001	Liquid Fill (3 x 3 mm x 1000 mm)
805-00005	Liquid Fill (3 mm x 750 mm)
805-00016	Liquid Fill (2 x 3 mm x 3000 mm)
805-00019	Liquid Fill (2 x 3 mm x 750 mm)
805-00021	Liquid Fill (5 mm x 2000 mm)
805-00023	Liquid Fill (8 mm x 2000 mm)
805-00027	ER Liquid Fill (2 x 3 mm x 1500 mm)
805-00028	ER Liquid Fill (5 mm x 1500 mm)
805-00030	ER Liquid Fill (2 x 3 mm x 1000 mm)
805-00031	ER Liquid Fill (3 mm x 1000 mm)
805-00036	Liquid Fill (2 x 3mm x 2000 mm)
805-00042	ER Liquid Fill (8 mm x 1500 mm)
805-00043	ER Liquid Fill (2 x 3 mm x 2000 mm)
805-00044	ER Liquid Fill (5 mm x 2000 mm)
805-00045	Liquid Fill (5 mm x 5000 mm)
805-00046	Liquid Fill (5 mm x 6000 mm)
805-00047	Liquid Fill (8 mm x 3000 mm)
805-00048	Liquid Fill (2 x 3 mm x 1500 mm) w/ 2" LG Tip
805-00049	Liquid Fill (2 x 3 mm x 2500 mm)
805-00050	Liquid Fill (2 x 3 mm x 5000 mm)
805-00051	Liquid Fill (3 x 3 mm x 1500 mm)
805-00052	ER Liquid Fill (5 mm x 3000 mm)
805-00053	ER Liquid Fill (8 mm x 2000 mm)
805-00054	ER Liquid Fill (3 x 3 mm x 1000 mm)
806-00003	Quartz Fiber (4 x 2 mm x 1000 mm)
806-00008	High Power Fiber (4 x 2 mm x 1000 mm)
806-00013	High Power Fiber (5 mm x 1500 mm)
806-00014	High Power Fiber (3 mm x 1500 mm)
806-00015	High Power Fiber (8 mm x 1000mm)
806-00016	High Power Fiber (5 x 2 mm x 1000 mm)
806-00017	High Power Fiber (6 x 2 mm x 1000 mm)
806-00018	High Power Fiber (2 x 5 mm x 1000 mm)
806-00019	High Power Fiber (2 x 3 mm x 2000 mm)
806-00021	High Power Fiber, Light Line, Dual Leg (65 mm x 2000 mm)
806-00022	High Power Fiber, Light Line, Dual Leg (65 mm x 2000 mm)- Includes 2 covers

Note: Non-stocked light guides available upon request (10-12 week delivery time).

Non-Stock Light Guides & Optical Accessories

UV SPOT CURING

Non-Stock Liquid Light Guides

Part Number	Description
806-00023	Liquid Filled High Power Fiber, Light Line, Single Leg (65 mm x 1500 mm) - Includes 1 cover
806-00024	High Power Fiber (5 mm x 750 mm)
806-00025	High Power Fiber (8 mm x 2000 mm)
806-00026	High Power Fiber (2 x 3 mm x 3000 mm)
806-00027	High Power Fiber (2 x 5 mm x 1500 mm)
806-00028	High Power Fiber (2 x 5 mm x 2000 mm)
806-00029	High Power Fiber (3 x 3 mm x 1500 mm)
806-00030	High Power Fiber (3 x 3 mm x 2000 mm)
806-00031	High Power Fiber (3 x 3 mm x 3000mm)
806-00032	High Power Fiber (4 x 2 mm x 1500 mm)
806-00033	High Power Fiber (4 x 3 mm x 1500 mm)
806-00034	High Power Fiber (4 x 3 mm x 2000 mm)
806-00035	High Power Fiber (5 x 2 mm x 1500 mm)
806-00036	High Power Fiber (6 x 2 mm x 1500 mm)
806-00037	High Power Fiber (3 mm x 2000 mm)
806-00043	HPFLL, Single Leg w/Dual Row Fibers 65 mm x 1500 mm

Note: Non-stocked light guides available upon request (10-12 week delivery time).

UV SPOT CURING

Optical Accessories

Part Number	Description
809-00083	Quartz Rod Lens 3 mm (replaceable)
810-00001	Lightguide angle adaptor, 90° angle for 3 mm LG
810-00002	Lightguide angle adaptor, 90° angle for 5 mm LG
810-00003	Lightguide angle adaptor, 90° angle for 8 mm LG
810-00011	Lightguide angle adaptor, 90° angle for 5 mm LG w/single lens
810-00012	Lightguide angle adaptor, 90° angle for 5 mm LG w/dual lens
810-00013	Lightline assembly (50 mm x 0.1 mm)
810-00014	Large area collimating adaptor dual 1" lenses for 5 mm LG
810-00016	Collimating adaptor for 3 mm LG (single lens)
810-00017	Collimating adaptor for 5 mm LG (single lens)
810-00041	3 mm Adjustable Collimating Adaptor
810-00042	5 mm Adjustable Collimating Adaptor
810-00043	8 mm Adjustable Collimating Adaptor
810-00044	Cover-For 65 mm High Power Fiber, Light line
810-00048	Cure ring, slotted, 63.5 mm OD, 10 mm ID for 5 mm LG
810-00049	Cure ring, no-slot, 63.5 mm OD, 10 mm ID for 8 mm LG
810-00050	Cure ring, no slot, 63.5 mm OD, 15 mm ID for 5 mm LG

Accessories

UV SPOT CURING

General Accessories

Part Number	Description
018-00199R	Power cord, European, shielded
018-00200R	Power cord, North American, shielded
018-00203R	Power cord, UK, shielded
019-01010	Light guide cleaning kit
019-00052	Light guide cleaning kit
019-00090R	Protective End Cap, 3 mm (Red)
019-00091R	Protective End Cap, 5 mm (Blue)
019-00092R	Protective End Cap, 8 mm (Green)
019-00108	Kit, External Filter Adaptor Assembly
019-01022	320-480 nm External Filter
019-01023	320-390 nm External Filter
019-01024	365 nm External Filter
019-01025	Blank External Filter
019-01026	400-500 nm External Filter
854-00001R	Safety glasses, UV protection grey, CE rated
014-00070R	Foot Switch (audio jack)

Spot Curing Accessories

UV CURING

OmniCure R2000 Radiometer

Radiometry is an essential link for measuring the light output from a UV curing system in order to maintain a repeatable process. The OmniCure R2000 UV Radiometer can be combined with the OmniCure S2000 Spot UV Curing System to provide a complete curing station with unmatched control and repeatability. Special electronics built into the R2000 UV Radiometer also allow for the connection of custom sensors that measure light energy directly at the cure site or within cure ring bonding fixtures.



R2000
Part # 010-00280

Part Number	Description
010-00208	OmniCure R2000 Radiometer

OmniCure Cure Site Radiometer

The OmniCure UV Cure Site Radiometer provides ultimate process control by measuring the output power of a light guide or optical accessory directly at the bonding site.



Cure Site Radiometer
Part # 010-00261R

Part Number	Description
010-00261R	Cure Site Radiometer, Single Detector System Includes: Cure Site Detector (010-00255R) and Detector Controller (010-00265R)

OmniCure Cure Ring Radiometer

UV Radiometer Designed for Cure Ring Fixtures

The OmniCure UV Cure Ring Radiometer complements an OmniCure Cure Ring fixture to provide the most accurate form of process control for precision manufacturing. By enabling the output power from the Cure Ring to be measured directly at the cure site, the UV Cure Ring Radiometer ensures an accurate and repeatable bonding process.



Cure Ring Radiometer
Part # 010-00262R
Part# 010-00263R

Part Number	Description
010-00262R	Cure Ring Radiometer (10 mm), Single Detector System Includes: Cure Ring Detector 10 mm (010-00254R) and Detector Controller (010-00256R)
010-00263R	Cure Ring Radiometer (15 mm), Single Detector System Includes: Cure Ring Detector 15 mm (010-00253R) and Detector Controller (010-00256R)

Note: Detector system is used in conjunction with the OmniCure R2000 (010-00208R) which is sold separately.

Additional Detector to build a dual channel system:

- 010-00255R Cure Site Detector
- 010-00254R Cure Ring Detector, 10 mm
- 010-00253R Cure Ring Detector, 15 mm
- 010-00256R Cure Site Detector Controller

LX Series

UV LED SPOT CURING

OmniCure LX500

- Outstanding optical stability via Intelli-Lamp LED technology
- Exceptionally high peak irradiance for increased curing efficiency
- Calibration utility to maintain long term stability of UV light
- Unparalleled process control with StepCure 2.0
- Programming and data logging in real time via a Micro SD

Part Number	Description
010-00369R	OmniCure LX500 Controller - 2 Channel
010-00375R	OmniCure LX500 Controller - 4 Channel



OmniCure LED MAX HEADS

Part Number	Description
019-00286R	365 nm x 55 mm LED UV HEAD HDMI, INC CLAMP SUB-ASSY
019-00287R	365 nm x 125 mm LED UV HEAD HDMI, CLAMP ASSY NOT INCL
019-00288R	385 nm x 55 mm LED UV HEAD HDMI, INC CLAMP SUB-ASSY
019-00289R	385 nm x 125 mm LED UV HEAD HDMI, CLAMP ASSY NOT INCL
019-00293R	400 nm x 55 mm LED UV HEAD

Features & Benefits

Outstanding Optical Stability

Proprietary Intelli-Lamp LED technology that monitors LED head temperature, lifetime data, and automatically maintains optical stability +/- 5% during an exposure

Exceptional Peak Irradiance

The LED Max heads that deliver exceptional peak irradiance of up to 14W/cm² (365 nm), 16W/cm² (385 nm) and 9 W/cm² (400 nm)

Calibration/Radiometry

Integrated radiometer for quick calibration and accurate measurement of light intensity; Allows operators to efficiently set and measure the peak irradiance accurately and consistently in a UV process within a manufacturing environment

Controller Configuration

Newly designed 2.4 inch full color LCD with flexibility to control using a four way keypad, foot pedal, PLC or USB

Micro SD

Intuitive programming and error logging in real-time

LX500 Accessories

UV CURING

OmniCure LED Head Focusing Lenses

Interchangeable LED focusing lenses allow control over UV spot size and irradiance level to meet the needs of your specific application.

Part Number	Description
810-00053R	3 mm Focusing Lens for 365 nm/385 nm LED heads
810-00054R	6 mm Focusing Lens for 365 nm/385 nm LED heads
810-00060R	8 mm Focusing Lens for 365 nm/385 nm LED heads
810-00061R	10 mm Focusing Lens for 365 nm/385 nm LED heads
810-00066R	12 mm Focusing Lens for 365 nm/385 nm LED heads
810-00062R	3 mm Focusing Lens for 400 nm LED
810-00063R	6 mm Focusing Lens for 400 nm LED
810-00065R	8 mm Focusing Lens for 400 nm LED
810-00064R	10 mm Focusing Lens for 400 nm LED
810-00078R	5 mm Cylindrical Lens, 365/385 nm



Focusing Lens

Extension Cables

Extension cables allow manufacturing process engineers to accommodate applications where the UV curing station needs to be further away from the controller.

Part Number	Description
018-00642R	Extension Cable: 1m
018-00643R	Extension Cable: 3m
018-00644R	Extension Cable: 5m
018-00645R	Extension Cable: 10m
018-00651R	Cable Assembly - LX400 UV LED Head to LX500 Controller Adaptor
Adaptors	
810-00083R	90deg Adapter, 6 mm spot, 365/385 nm LED heads
810-00084R	90deg Adapter, 8 mm spot, 365/385 nm LED heads
810-00085R	90deg Adapter, 10 mm spot, 365/385 nm LED heads



Extension Cable
1 m, 3 m, 5 m, 10 m



Cable Assembly



Angle Adapter

Mounting Clamps

The OmniCure UV Cure Ring Radiometer complements an OmniCure Cure Ring fixture to provide the most accurate form of process control for precision manufacturing. By enabling the output power from the Cure Ring to be measured directly at the cure site, the UV Cure Ring Radiometer ensures an accurate and repeatable bonding process.

Part Number	Description
019-00087R	Mounting clamp/heat sink (includes an allen key)



Mounting Clamp

AC Series

UV LED CURING

OmniCure AC SERIES

UV LED Area Curing Systems for Adhesives, Coatings & Inks

Full System Configuration Ordering Guide

An OmniCure UV LED curing system is typically comprised of a UV LED head, paired with an appropriate SC Series power supply, cables, and an optional PLC controller for easy integration and testing. The following configuration guide can be used to build a solution that will suit your needs.



Select AC Series UV LED Head

1.



Pair appropriate SC Series Power Supply Controller

2.



Identify Power Cable¹

3.



Choose PLC Controller*

4.

1. 018-00559R for AC4, AC5, AC7 & AC8225F Series; 018-00595R for AC8 & AC9 Series.
* Optional. Additional accessories are available. Please visit www.excelitas.com/omnicure for more details.

AC Series UV LED head configurations supported by each SC Series product:

Product	SC0650	SC0750	SC1000	SC2000	SC3000
AC275/AC2110	1	2	2	2	4
AC450/AC550	1	1	2	2	4
AC475/AC575	1	1	1	2	4
AC7150	1	2	2	2	4
AC7300	N/A	1	1	2	4
AC8150/9150	N/A	N/A	N/A	1	2
AC8225/9225	N/A	N/A	N/A	1	1
AC8300/9300	N/A	N/A	N/A	N/A	1
AC8225F	1	1	1	2	4
AC8225F+	N/A	N/A	1	2	3

SC0750/1000/2000 have 2 DC output connectors; SC3000 has 4 DC output connectors.

AC Series

UV LED CURING
OmniCure AC SERIES

UV LED Area Curing Systems for Adhesives, Coatings & Inks

Designed for a range of applications using small to wide substrates, the AC Series UV LED curing systems deliver a unique solution with high power UV output and low temperature curing for outstanding throughput performance and increased production yields. The AC Series is available in 365 nm, 385 nm and 395 nm wavelengths, utilizing high output LEDs and customizable optics to achieve industry-leading peak irradiance at long working distances for greater flexibility in developing a UV curing process.

Applications:

Printing: Pinning, 3D printing, coding, product marking, serial numbers, posters, signage and packaging.

Medical: Medical device manufacturing, anesthesia masks, blood bags, catheters, contact lens, endoscopes, filter sets, insulin pens, syringes, tube sets, and more.

Electronics: Electronics manufacturing, camera modules, chip on glass, connectors, display bonding, flex circuit assembly, hard disk drives, lens bonding, micro-speakers, assembly and coatings.

OmniCure AC2 Series

The OmniCure AC275 and OmniCure AC2110 air-cooled UV LED small area curing systems are designed with advanced front-end optics to provide high peak irradiance and exceptional uniformity.



Part Number	Description
019-00251R	AC275-365 UV LED head: 365 nm, 10x75 mm
019-00270R	AC275F-365 (Focus) UV LED head: 365 nm, 10x75 mm
019-00236R	AC275-395 UV LED head: 395 nm, 10x75 mm
019-00263R	AC275F-395 (Focus) UV LED head: 395 nm, 10x75 mm
019-00271R	AC2110-365 UV LED head @ 365 nm, 10x114 mm
019-00272R	AC2110F-365 (Focus) UV LED head @ 365 nm, 10x114 mm
019-00239R	AC2110-395 UV LED head: 395 nm, 10x114 mm
019-00254R	AC2110F-395 (Focus) UV LED head: 395 nm, 10x114 mm
AC2 Series Accessories	
019-00195R	650W, Single output Power Supply Unit (PSU)
019-00199R	750W, Dual output Power Supply Unit (PSU)
018-00624R	AC2 Series Power / Control Cable
019-00214R	PLC2000 External PLC Controller

AC Series

UV LED CURING

OmniCure AC4 SERIES

For Small Area UV LED Curing

The OmniCure AC450, AC450P, AC475 and AC457P air-cooled UV LED small area curing systems provide high irradiance (8W/ cm²) at flexible working distances.



Part Number	Description
019-00194R	AC450-365 UV LED head: 4W/cm ² , 25x50 mm @ 365 nm
019-00194R-03	AC450-365 UV LED head: 8W/cm ² , 25x50 mm @ 365 nm
019-00230R	AC450P-365 (Print) UV LED head: 4W/cm ² , 25x50 mm @ 365 nm
019-00230R-03	AC450P-365 (Print) UV LED head: 8W/cm ² , 25x50 mm @ 365 nm
019-00191R	AC450-395 UV LED head, 8W/cm ² , 25x50 mm @ 395 nm
019-00228R	AC450P-395 (Print) UV LED head: 8W/cm ² , 25x50 mm @395 nm
019-00193R	AC475-365 UV LED head, 4W/cm ² , 25x75 mm @ 365 nm
019-00193R-03	AC475-365 UV LED head: 8W/cm ² , 25x75 mm @ 365 nm
019-00231R	AC475P-365 (Print) UV LED head, 4W/cm ² , 25x75 mm @ 365 nm
019-00231R-03	AC475P-365 (Print) UV LED head, 8W/cm ² , 25x75 mm @ 365 nm
019-00192R	AC475-395 UV LED head, 8W/cm ² , 25x75 mm @ 395 nm
019-00229R	AC475P-395 (Print) UV LED head, 8W/cm ² , 25x75 mm @ 395 nm
AC4 Series Accessories	
019-00195R	650W, single output Power Supply Unit (PSU)
018-00559R	5m, 5W5 DC power cable (For AC4, AC5 & AC7 Only)
019-00214R	PLC2000 External PLC Controller
010-00329R	CV300 Conveyor System, 300 mm-wide belt (U.S. Only)
018-00540R	HD15 M-F PLC Control cable, 15FT, 5m
019-00203R	Kit, window protector, AC450
019-00204R	Kit, window protector, AC475
019-00232R	Protective Window - AC4 Series
019-00209R	AC4 Series 100PPI Air Filter Kit, 10-Pack
019-00208R	AC4 Series Air Deflector Kit

AC Series

UV LED CURING
OmniCure AC5 SERIES

For Small Area UV LED Curing

The OmniCure AC550, AC550P, AC575 and AC557P air-cooled UV LED small area curing systems provide high irradiance (14W/ cm²) at flexible working distances.



Part Number	Description
019-00279R	AC550-395 UV LED head, 14W/cm ² 25x50 mm @ 395 nm
019-00280R	AC575-395 UV LED head, 14W/cm ² 25x75 mm @ 395 nm
019-00281R	AC550P-395 (Print) UV LED head, 14W/cm ² 25x50 mm @ 395 nm
019-00282R	AC575P-395 (Print) UV LED head, 14W/cm ² 25x75 mm @ 395 nm
AC5 Series Accessories	
019-00195R	650W, Single output Power Supply Unit (PSU)
018-00559R	5m, 5W5 DC Power cable (For AC4, AC5 & AC7 Only)
019-00214R	PLC2000 External PLC Controller
010-00329R	CV300 Conveyor System, 300 mm-wide belt (U.S. Only)
018-00540R	HD15 M-F PLC Control cable, 15FT, 5m
019-00203R	Kit, window protector, AC450/AC550
019-00204R	Kit, window protector, AC475/AC575
019-00232R	Protective Window - AC4/AC5 Series
019-00209R	AC4/AC5 Series 100PPI Air Filter Kit, 10-Pack
019-00208R	AC4/AC5 Series Air Deflector Kit

AC Series

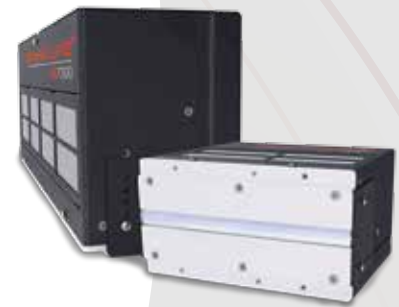
UV LED CURING

OmniCure AC7 SERIES

For Large Area UV LED Curing

Designed with a unique combination of high output LEDs and custom optics, these air-cooled UV LED systems provide high irradiance at flexible working distances, enabling manufacturers to achieve outstanding productivity with reduced running costs.

The OmniCure AC7150 and AC7300 provide exceptional uniformity over the full curing area for even and consistent curing. For even greater flexibility in curing larger parts, multiple systems can be joined together without comprising uniformity between systems.



Part Number	Description
019-00197R	AC7150-365 UV LED head, 3W/cm ² , 15x150 mm @ 365 nm
019-00198R	AC7150-395 UV LED head, 5W/cm ² , 15x150 mm @ 395 nm
019-00187R	AC7300-365 UV LED head, 3W/cm ² , 15x300 mm @ 365 nm
019-00196R	AC7300-395 UV LED head, 5W/cm ² , 15x300 mm @ 395 nm
AC7 Series Accessories	
019-00195R	650W, Single output Power Supply Unit (PSU)
019-00199R	750W, Dual output Power Supply Unit (PSU)
019-00186R	1000W, Dual output Power Supply Unit (PSU)
018-00559R	5m, 5W5 DC power cable (For AC4, AC5 & AC7 Only)
019-00176R	PLC2000 External PLC Controller
018-00540R	HD15 M-F PLC Control cable, 15FT, 5m
010-00329R	CV300 Conveyor System, 300 mm-wide belt (U.S. Only)
020-00869	AC7300 Replacement air filters, qty 1
020-00860	AC7150 Replacement air filters, qty 1

AC Series

UV LED CURING

OmniCure AC8 SERIES

For Large Area UV LED Curing

The OmniCure AC8150/P, AC8225/P and AC8300/P air-cooled UV LED curing systems are designed with advanced custom front-end optics to provide high-powered, high peak irradiance and exceptional uniformity at different working distances. The systems deliver over 8 W/cm² peak irradiance for fast, even curing at long working distances. “P” versions of the AC8 Series have enhanced optics to optimize the dose for short working distances required by print applications. By adapting the output to support the process requirements of the industry, the new AC8 Series product portfolio can be applicable for a range of varying applications with different process needs.



Part Number	Description
019-00218R	AC8150-365 UV LED head: 4W/cm ² , 25x150 mm @ 365 nm
019-00218R-03	AC8150-365 UV LED head: 8W/cm ² , 25x150 mm @ 365 nm
019-00217R	AC8150-395 UV LED head, 8W/cm ² , 25x150 mm @ 395 nm
019-00221R	AC8150P-395 (Print) UV LED head, 8W/cm ² , 25x150 mm @ 395 nm
019-00261R	AC8150-385 UV LED head, 8W/cm ² , 25x150 mm @ 385 nm
019-00266R	AC8150P-385 (Print) UV LED head, 8W/cm ² , 25x150 mm @ 385 nm
019-00219R	AC8225-365 UV LED head: 4W/cm ² , 25x225 mm @ 365 nm
019-00219R-03	AC8225-365 UV LED head: 8W/cm ² , 25x225 mm @ 365 nm
019-00212R	AC8225-395 UV LED head, 8W/cm ² , 25x225 mm @ 395 nm
019-00222R	AC8225P-395 (Print) UV LED head, 8W/cm ² , 25x225 mm @ 395 nm
019-00260R	AC8225-385 UV LED head, 8W/cm ² , 25x225 mm @ 385 nm
019-00267R	AC8225P-385 (Print) UV LED head, 8W/cm ² , 25x225 mm @ 385 nm
019-00220R	AC8300-365 UV LED head: 4W/cm ² , 25x300 mm @ 365 nm
019-00220R-03	AC8300-365 UV LED head: 8W/cm ² , 25x300 mm @ 365 nm
019-00216R	AC8300-395 UV LED head, 8W/cm ² , 25x300 mm @ 395 nm
019-00244R	AC8300P-395 (Print) UV LED head, 8W/cm ² , 25x300 mm @ 395 nm
019-00262R	AC8300-385 UV LED head, 8W/cm ² , 25x300 mm @ 385 nm
019-00268R	AC8300P-385 UV LED head, 8W/cm ² , 25x300 mm @ 385 nm
AC8 Series Accessories	
019-00211R	2000W, Dual output Power Supply Unit (PSU)
019-00213R	3000W, Quadruple output Power Supply Unit (PSU)
018-00595R	5m, 5C5W5 DC cable
019-00214R	PLC2000 External PLC Controller
010-00329R	CV300 Conveyor System, 300 mm-wide belt (U.S. Only)
018-00540R	HD15 M-F PLC Control cable, 15FT, 5m
020-00901	AC8225/9225 Replacement air filters, qty 1

AC Series

UV LED CURING

OmniCure AC8225-F and AC8225-F+

For Fiber Optic Curing Applications

OmniCure AC8225-F and AC8225-F+ UV LED curing systems are specifically designed for fiber curing applications. With a custom optical design and advanced front-end optics, the AC8225-F and AC8225-F+ provide high peak irradiance and exceptional uniformity at specific working distances for fast, even curing in fiber coating applications. The AC8225-F provides 12W/cm² peak irradiance at a 10 to 18mm working distance. To further increase process speeds, the AC8225-F+ system delivers up to 16W/cm² peak irradiance, and features an optional replaceable outer window assembly for added protection. Both the AC8225-F and AC8225-F+ utilize a patented LED control technology for exceptional uniformity and the ability to adjoin multiple systems while maintaining optical uniformity between each system.



OmniCure AC8225-F/AC8225-F+ UV LED fiber curing systems reduce electrical power consumption by up to 60% compared with traditional arc lamp systems for exceptional cost savings and no compromises in line speed. With over 40,000 hours of LED lifetime and no replacement parts, maintenance costs are even further reduced.

Part Number	Description
019-00235R	AC8225-F 395 nm UV LED head, 12W/cm ² , 15x225 mm
019-00304R	AC8225-F+ 395 nm UV LED head, 16W/cm ² 15x225 mm
019-00186R	1000W Dual output power supply Unit (PSU)
019-00211R	2000W Dual output power supply Unit (PSU)
019-00213R	3000W Quadruple power supply unit (PSU)
018-00559R	5m, 5W5 DC power cable
019-00214R	PLC2000: External PLC controller unit
019-00195R	650W Single output power supply unit (PSU)
019-00199R	750W Dual output power supply unit (PSU)

Product	SC0650	SC0750	SC1000	SC2000	SC3000
AC8225-F	1	1	1	2	4
AC8225-F+	N/A	N/A	1	2	3

Table 2: SC Series Power Supply Pairings with Fiber Curing Systems.

AC Series

UV LED CURING
OmniCure AC9 SERIES

For Small Area UV LED Curing

The OmniCure AC9 Series are high-power UV LED Curing Systems delivering over 14 W/cm² peak irradiance for fast curing of inks, adhesives and coatings. The AC9 Series' innovative design features a high-performing, small form-factor, air-cooled solution to enable fast line speeds in industrial manufacturing and printing.

A patented process for addressing individual UV LED module outputs provides exceptional uniformity for even curing over the entire area. The scalable design allows for multiple heads to be adjoined for customization and flexibility without compromising on output uniformity.



Part Number	Description
019-00241R	AC9150-395 UV LED head, 14W/cm ² , 25x150 mm @ 395 nm
019-00252R	AC9150P-395 (Print) UV LED head, 14W/cm ² , 25x150 mm @ 395 nm
019-00255R	AC9225-395 UV LED head, 14W/cm ² , 25x225 mm @ 395 nm
019-00253R	AC9225P-395 (Print) UV LED head, 14W/cm ² , 25x225 mm @ 395 nm
019-00247R	AC9300-395 UV LED head, 14W/cm ² , 25x300 mm @ 395 nm
019-00246R	AC9300P-395 (Print) UV LED head, 14W/cm ² , 25x300 mm @ 395 nm
AC9 Series Accessories	
019-00211R	2000W, Dual output Power Supply Unit (PSU)
019-00213R	3000W, Quadruple output Power Supply Unit (PSU)
018-00595R	5m, 5C5W5 DC cable
019-00214R	PLC2000 External PLC Controller
010-00329R	CV300 Conveyor System, 300 mm-wide belt (U.S. Only)
018-00540R	HD15 M-F PLC Control cable, 15FT, 5m
020-00901	AC8225/9225 Replacement air filters, qty 1
020-00899	AC8300/9300 replacement air filters, qty 1
020-00900	AC8150/9150 replacement air filters, qty 1

AC Series

UV LED CURING

OmniCure AC Series Optical Adaptors

The OmniCure AC Series of high power UV LED curing solutions offers optical adaptors to suit a wide range of applications and customer needs. OmniCure provides a portfolio of adaptors customized for use with the OmniCure AC4, AC5 and AC7 Series of UV LED systems.

By attaching to the front face of the OmniCure UV LED system, the AC Optical Adaptors convert a smaller area of high output power into a larger area, while optimizing optical power and delivering evenly distributed irradiance and uniformity. These adaptors increase the flexibility of the AC series of products by expanding the range of applications that can be addressed.

Available in the following configurations:

- 100 mm x 100 mm
- 100 mm x 150 mm
- 70 mm x 70 mm
- 8 mm x 350 mm

* Other custom sizes available. For special requests see page 24.



Accessories

UV CURING

OmniCure SC Series

The OmniCure SC Series system controllers are tailored specifically for the OmniCure AC Series UV LED curing products. Designed with application flexibility in mind, customers can select the system controller that best meets the needs of their particular curing application. With a small form factor, the OmniCure SC0650 is suitable for many single LED head applications with minimal existing customer infrastructure requirements and quickest commissioning time.

Part Number	Description
019-00195R	650W, Single output Power Supply Unit (PSU)
019-00199R	750W, Dual output Power Supply Unit (PSU)
019-00186R	1000W, Dual output Power Supply Unit (PSU)
019-00211R	2000W, Dual output Power Supply Unit (PSU)
019-00213R	3000W, Quadruple output Power Supply Unit (PSU)



Power Cables

Part Number	Description
018-00559R	5m, 5W5 DC Power cable (For AC4, AC5, AC7 & AC8225F/F+ Only)
018-00595R	5m, 5C5W5 DC Power cable (For AC8 & AC9 Series)

OmniCure CV300

Small Volume Production Conveyor

Designed to complement the OmniCure AC Series of high power UV LED area curing systems, the OmniCure CV300 is a versatile conveyor system suitable for production, laboratory, and research and development applications.

The CV300 can handle substrates up to 310 mm (12.2") wide on its open mesh Teflon® coated fiberglass belt with an effective curing area of up to 300 mm (12") depending on the OmniCure LED system being utilized. The unique mounting design of the OmniCure CV300 conveyor allows for multiple configurations of the OmniCure AC Series high power UV LED curing systems. The length of the LED systems can be positioned perpendicular to the conveyor belt's direction of travel or in 15 degree steps towards a parallel orientation.



010-00329R (AC7300 unit shown, not included)
Only available in the USA

Accessories

UV CURING

OmniCure PLC2000

Intelligent External PLC Controller for AC Series UV LED Curing Systems

The OmniCure PLC2000 is an innovative product accessory specially designed to complement the OmniCure AC Series of high power UV LED curing systems. When connected to an OmniCure AC Series UV LED head, this multi-purpose external controller device enables the immediate ability to intelligently manage, monitor and control an LED system.

Providing unparalleled control of the OmniCure UV LED lamp systems, the PLC2000 can be used to dynamically adjust the output intensity, exposure time, and on/off capabilities while providing system information and error monitoring. With flexibility of operating the PLC2000 locally or remotely through an automated system, the portable and compact PLC controller is well suited for use in manufacturing environments, laboratory or research & development applications.

Part Number	Description
019-00214R	PLC2000 External PLC Controller

OmniCure Extended Warranty (U.S. ONLY)

Part Number	Description
023-00001	S Series 2nd Year Extended Warranty
023-00010	AC7 Series 3rd Year Extended Warranty**
023-00002	S Series 3rd Year Extended Warranty
023-00003	S Series 4th Year Extended Warranty
023-00004	LX Series 2nd Year Extended Warranty
023-00005	LX Series 3rd Year Extended Warranty
023-00011	AC8 Series 2nd Year Extended Warranty*
023-00012	AC8 Series 3rd Year Extended Warranty**
023-00020	Radiometer 2nd Year Extended Warranty
023-00019	Radiometer 3rd Year Extended Warranty
023-00006	LX Series 4th Year Extended Warranty
023-00013	AC2 Series 2nd Year Extended Warranty*
023-00018	Radiometer 4th Year Extended Warranty
023-00014	AC2 Series 3rd Year Extended Warranty**
023-00022	AC9 Series 2nd Year Extended Warranty*
023-00007	AC4 Series 2nd Year Extended Warranty*
023-00023	AC9 Series 3rd Year Extended Warranty* *
023-00008	AC4 Series 3rd Year Extended Warranty**
023-00025	AC5 Series 2nd Year Extended Warranty*
023-00009	AC7 Series 2nd Year Extended Warranty*
023-00026	AC5 Series 3rd Year Extended Warranty**

* Currently the AC Series includes two years or 10,000 hours warranty (whichever comes first) on the LED modules and one year on the remainder of the head; AC Series second year warranty provides a full two years / 10,000 hours on a complete LED head.

** AC Series third year includes three years or 15,000 hours on a complete LED Head (whichever comes first).



System Integration

UV CURING

SPECIAL REQUESTS

Solutions for Custom UV Applications

Excelitas Technologies is committed to working closely with our customers to develop and customize UV curing solutions tailored to their specific applications. Through working in collaboration, we leverage our technology expertise to address our customers' specific UV application requirements and deliver the right solution that helps them achieve their needs including business differentiation, improved time to market and increased flexibility.

Our collaborative and custom approach to developing UV LED curing solutions helps drive key benefits for our customers including:

- Scalability and flexibility
- Robustness of application
- Protection in their investment
- Risk management
- Application performance improvement



For additional details, please contact us at omnicure@excelitas.com for assistance with your custom UV application.

Customer Service



1-800-668-8752 Customer Service



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