GX ORION REMOTE MOTHER UNIT (PN: L3100)
GX ORION UV & WH MOTHER UNIT (PN: L3101)
GX ORION UV MOTHER UNIT (PN: L3102)
GX ORION UV & WH EXTENSION UNIT (PN: L3104)
GX ORION UV EXTENSION UNIT (PN: L3105)

COMPLIES WITH
ASTM E3022-2018
Standard

COMPLIES WITH
Rolls-Royce RRES 90061
Specification

COMPLIES WITH
USAF
Requirements

COMPLIES WITH
Airbus AITM6-1001
Testing Method

3 Year warranty

Modular overhead UV system that allows you to design the desired covered area by moun-ting together multiple units. GX Orion is the only overhead UV-A system on the market that offers all of the following qualifications: Certified with an ingress protection marking of IP68 Waterproof, classified as penetrant resistant, tested to comply with ASTM E3022-18, Rolls-Royce RRES 90061 and Airbus AITM6-1001, and carries a 3-YEAR WARRANTY.

WITH A PLC INTERFACE
GX Orion comes with a PLC interface which can be used to monitor the UV light from a computerized panel.

OPERATE VIA A FOOT PEDAL OR A POWER BUTTON
Can be used as an on/off switch for the UV light to activate the last used intensity and the last recorded timer setting.

OPTION 1: REMOTE CONTROLLED
A remote control allows you to switch on/off the UV and White Light, change the intensity, and set up the timer from a distance.

OPTION 2: WITH UV ON/OFF BUTTON ONLY
GX Orion comes with a UV only option as well.

OPTION 3: WITH UV AND WHITE LIGHT ON/OFF BUTTON ONLY
GX Orion comes with a UV and white light only option as well.

GLASS SURFACE WITH 10 UV LEDS AND 1 WHITE LIGHT
A glass surface prevents damage of sensitive compo-nents such as filters and LEDs.

Labino´s LED overhead inspection lamp, GX Orion, is a modular system that can be used to cover large areas. GX Orion is certified with an ingress protection marking of IP68, the highest ingress protection class possible, making it an extremely useful tool for inspection areas with excessive liquids. There are three different models to choose from, remote controlled with multiple UV intensities, UV on/off button only, and UV and visible light on/off buttons only.

The GX Series has been specifically designed to meet the ASTM E3022-18 and ISO 3059-12 standards as well requirements set by the PRIMES. The optics used in the GX Series meet Rolls-Royce RRES 90061 specification. The beam profile of the UV light is extremely homogenous without any footprints showing from the LEDs, shades, dark spots or other disturbing defects.

All GX Orion models have a built-in PLC interface designed to connect to your PLC system. You can chose a "mother" or an "extension" GX Orion unit, with or without remote panel, with or without on/off power switches and still be able to monitor the unit completely through your computer via the PLC interface.

There are two types of what we refer to as "extension" units. The difference of the two is the white light. GX Orion UV & WH Extension unit (PN L3104), is used to extend the coverage of GX Orion UV & WH mother unit or GX Orion REMOTE mother unit. Both these units have white light that emits 1 076 lux (100 fc) at a distance of 12 inches / 30 cm. GX Orion UV Extension unit (PN L3105), is used to extend the coverage of GX Orion UV only as this mother unit does not have a white light.

TECHNICAL DATA

	GX Orion
UV LED:	10
Wavelength:	365 nm (peak) +/- 5 nm
Estimated LED life time:	30 000 hours
UV-B:	100% free from UV-B
Filter:	White light block filter
Power supply:	Mains
Weight:	GX Orion REMOTE: 2.6 kg / 5.8 lbs GX Orion UV & WH: 2.5 kg / 5.5 lbs GX Orion UV: 2.5 kg / 5.5 lbs
Dimensions (L x W x H):	GX Orion REMOTE: inch: 7.9 x 6.6 x 3.1 / cm: 20 x 16.5 x 8 GX Orion UV & WH: inch: 7.9 x 5.9 x 3.1 / cm: 20 x 15 x 8 GX Orion UV: inch: 7.9 x 5.9 x 3.1 / cm: 20 x 15 x 8

THREE GX ORION REMOTE MOUNTED TOGETHER ON THE SHORT SIDE
Multiple GX Orion REMOTE "Extension" units can be mounted on a "mother" unit either on the long side or the short side.

GX ORION "MOTHER" PACKAGE INCLUDES:
GX Orion lamp of your choice, 4 Stainless steel bars for mounting, 4 chains with snap links, Power Supply Unit, cable between PSU and GX unit, cable between PSU and wall socket.

GX ORION "EXTENSION" PACKAGE INCLUDES:
GX Orion lamp with UV & WH or only UV LEDs, 2 stainless steel bars and 1 cable connection for assembly short side to short side, 2 stainless steel brackets and 1 cable connection for assembly long side to long side, 4 chains with snap links.

5 reasons why GX Ori

1. The price of one GX Orion is between 50-70% lower than competing lights.

2. GX Orion offers the best warranty terms in the industry, 3 years.

3. GX Orion has the highest IP class possible, IP68.

4. Zero LEDs out from day of launch, 4 years ago.

5. GX Orion is stable at switch on, no waiting time.

...affordable and durable!

LABINO

COMPLIES WITH
ASTM E3022-2018
Standard

GX ORION REMOTE MOTHER UNIT (PN: L3100)

GX Orion REMOTE has been tested to comply with both ASTM E3022-18 and ISO 3059-12 standards. It generates an intensity that can be adjusted to vary from approximately 1 500 to 7 000 µW/cm², at a distance of 15 inches / 38 cm. It has a powerful white light that can illuminate 1 076 lux (100 fc) at a distance of 12 inches / 30 cm. A remote control allows you to switch on/off the UV and white Light, change the intensity and set up the timer from up to 5 meters (16 feet) away.

REMOTE CONTROLLED
A remote control allows you to switch on/off the UV and White Light, change the intensity and set up the timer from a distance.

UV LIGHT ON/OFF FUNCTION:
Powers on / off the UV light. The lamp has a built-in memory function that repeats the last intensity used.

WHITE LIGHT ON/OFF FUNCTION:
Powers on / off the white light, with an illuminance of 1 076 lux (100 fc), at a distance of 12 inches / 30 cm.

DIMMER FUNCTION:
Display shows the dimmer function in 250 steps. The UV irradiance can be increased (+) to achieve the maximum irradiance of 7000 µW/cm² at step 250 or decreased (-) to achieve the minimum irradiance of 1 500 µW/cm² at step 1, at a distance of 15 inches / 38 cm.

TIMER FUNCTION:
Press + for increased time (up to 480 minutes or 8 hours) and − for decreased time (down to zero). The number of minutes the lamp is programmed to stay on before shutting down automatically is shown on the display.

COMPLIES WITH
ASTM E3022-2018
Standard

COMPLIES WITH
Airbus AITM6-1001
Testing Method

GX ORION UV & WH MOTHER UNIT (PN: L3101)

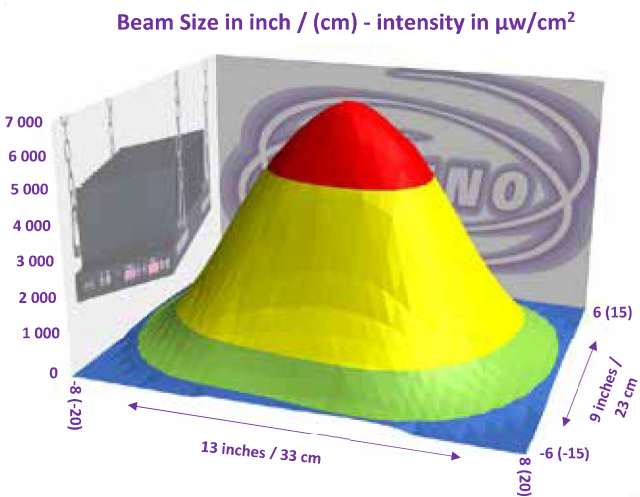GX Orion UV & WH has been tested to comply with both ASTM E3022-18 and ISO 3059-12 standards. It has also been tested to comply with Airbus AITM6-1001 at a working distance of 21 inches / 53 cm. It generates an intensity of approximately 7 000 µW/cm² at 38 cm (15 inches). It has a powerful white light that can illuminate 1 076 lux (100 fc) at a distance of 12 inches / 30 cm. This model does not have a remote, it comes with one UV and one white light ON/OFF button.

FACTS ABOUT GX ORION REMOTE AND GX ORION UV & WH

Output Characteristics	GX Orion REMOTE and GX Orion UV & WH
Intensity (maximum)	≈ 7 000 µW/cm²
Visible light	<3 lux / 0.3 fc
Beam > 1 000 µW/cm²	Ø 13 inches x 9 inches / 33 cm x 23 cm

At a distance of 38 cm (15 inches)

Beam profile > 1 000 µW/cm² measured at 15 inches / 38 cm of GX Orion REMOTE and GX Orion UV & WH :

Beam Size in inch / (cm) - intensity in µw/cm²

THREE GX ORION REMOTE MOUNTED TOGETHER ON THE LONG SIDE
Multiple GX Orion REMOTE "slave" units can be mounted on a "mother" unit either on the long side or the short side.

THREE GX ORION UV & WH MOUNTED TOGETHER ON THE SHORT SIDE
Multiple GX Orion UV & WH "slave" units can be mounted on a "mother" unit either on the long side or the short side.

COMPLIES WITH ASTM E3022-2018 Standard
COMPLIES WITH Rolls-Royce RRES 90061 Specification
COMPLIES WITH Airbus AITM6-1001 Testing Method
COMPLIES WITH USAF Requirements

GX Orion ᵁⱽ (PN: L3102)

GX Orion ᵁⱽ has been tested to comply with both ASTM E3022-18 and ISO 3059-12 standards as well as with the internal requirements of all PRIMES listed on page 8, including Rolls-Royce RRES 90061 and Airbus AITM6-1001. It generates an intensity of approximately 4 500 µW/cm² at 38 cm (15 inches). This model does not have a remote, it comes with one UV ON/OFF button.

Beam profile > 1 000 µW/cm² measured at 15 inches / 38 cm of GX Orion ᵁⱽ:

Beam Size in inch / (cm) - intensity in µw/cm²

FACTS ABOUT GX ORION ᵁⱽ

Output Characteristics	GX Orion ᵁⱽ
Intensity	≈ 4 500 µW/cm²
Visible light	< 1.5 lux / 0.2 fc
Beam > 1 000 µW/cm²	Ø 10 inches x 7 inches / 26 cm x 18 cm

At a distance of 38 cm (15 inches)

THREE GX ORION ᵁⱽ MOUNTED TOGETHER ON THE SHORT SIDE
Multiple GX Orion ᵁⱽ "slave" units can be mounted on a "mother" unit either on the long side or the short side.

Accessories for GX Series

	GX Orion
UV Block Visor (PN: S400)	
UV Block Goggles "XC" (PN: S505)	
Foot Pedal (PN: A603 for GX Orion ᴿᴱᴹᴼᵀᴱ) (PN: A605 for GX Orion ᵁⱽ & ᵂᴴ or GX Orion ᵁⱽ)	
Power Button (PN: A604 for GX Orion ᴿᴱᴹᴼᵀᴱ) (PN: A606 for GX Orion ᵁⱽ & ᵂᴴ or GX Orion ᵁⱽ)	