



GX ORION <sup>REMOTE</sup> MOTHER UNIT (PN: L3100)

GX ORION <sup>UV & WH</sup> MOTHER UNIT (PN: L3101)

GX ORION <sup>UV</sup> MOTHER UNIT (PN: L3102)

GX ORION <sup>UV & WH</sup> EXTENSION UNIT (PN: L3104)

GX ORION <sup>UV</sup> 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

**4 Year warranty**

Modular overhead UV system that allows you to design the desired covered area by mounting 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 4-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 components 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 foot-prints 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 <sup>UV & WH</sup> Extension unit (PN L3104), is used to extend the coverage of GX Orion <sup>UV & WH</sup> mother unit or GX Orion <sup>REMOTE</sup> 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 <sup>UV</sup> Extension unit (PN L3105), is used to extend the coverage of GX Orion <sup>UV</sup> 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 <sup>REMOTE</sup> MOUNTED TOGETHER ON THE SHORT SIDE**

Multiple GX Orion <sup>REMOTE</sup> “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.



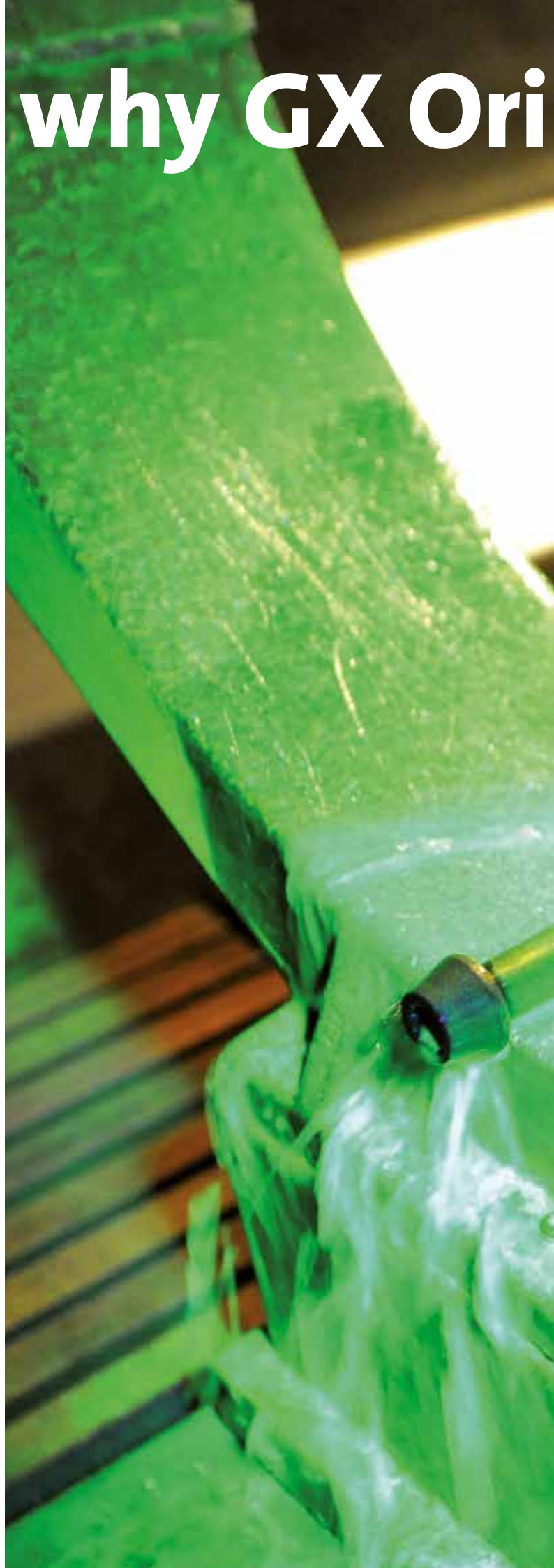
**GX ORION “EXTENSION” PACKAGE INCLUDES:**

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, 4 years.
3. GX Orion has the highest IP class possible, IP68.
4. Zero LEDs out from day of launch, 5 years ago.
5. GX Orion is stable at switch on, no waiting time.

**...affordable  
and durable!**



**on is a great choice**





**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  $\mu\text{W}/\text{cm}^2$ , 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  $\mu\text{W}/\text{cm}^2$  at step 250 or decreased (-) to achieve the minimum irradiance of 1 500  $\mu\text{W}/\text{cm}^2$  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.



**GX ORION<sup>UV & WH</sup> MOTHER UNIT (PN: L3101)**

GX Orion<sup>UV & WH</sup> 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  $\mu\text{W}/\text{cm}^2$  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<sup>REMOTE</sup> AND GX ORION<sup>UV & WH</sup>**

Output Characteristics	GX Orion <sup>REMOTE</sup> and GX Orion <sup>UV &amp; WH</sup>
Intensity (maximum)	$\approx 7\,000\ \mu\text{W}/\text{cm}^2$
Visible light	$< 3\ \text{lux} / 0.3\ \text{fc}$
Beam $> 1\,000\ \mu\text{W}/\text{cm}^2$	$\varnothing 13\ \text{inches} \times 9\ \text{inches} / 33\ \text{cm} \times 23\ \text{cm}$

At a distance of 38 cm (15 inches)

**Beam profile  $> 1\,000\ \mu\text{W}/\text{cm}^2$  measured at 15 inches / 38 cm of GX Orion<sup>REMOTE</sup> and GX Orion<sup>UV & WH</sup>:**



**THREE GX ORION<sup>REMOTE</sup> MOUNTED TOGETHER ON THE LONG SIDE**

Multiple GX Orion<sup>REMOTE</sup> “extension” units can be mounted on a “mother” unit either on the long side or the short side.



**THREE GX ORION<sup>UV & WH</sup> MOUNTED TOGETHER ON THE SHORT SIDE**

Multiple GX Orion<sup>UV & WH</sup> “extension” 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

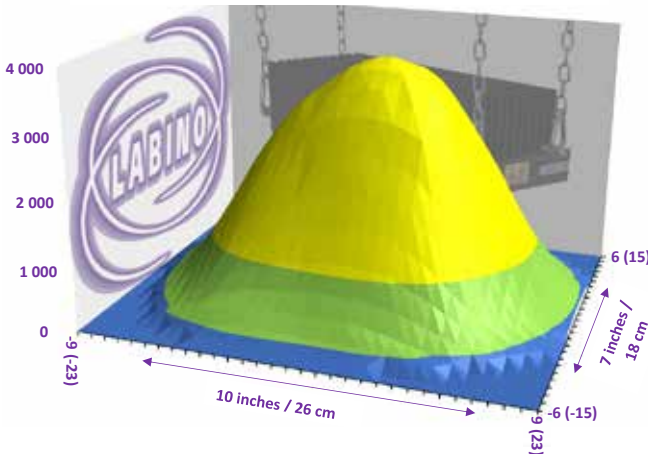
COMPLIES WITH  
USAF  
Requirements

**GX Orion<sup>UV</sup> (PN: L3102)**

GX Orion<sup>UV</sup> 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  $\mu\text{W}/\text{cm}^2$  at 38 cm (15 inches). This model does not have a remote, it comes with one UV ON/OFF button.

**Beam profile > 1 000  $\mu\text{W}/\text{cm}^2$  measured at 15 inches / 38 cm of GX Orion<sup>UV</sup>:**

Beam Size in inch / (cm) - intensity in  $\mu\text{W}/\text{cm}^2$



**FACTS ABOUT GX ORION<sup>UV</sup>**

Output Characteristics	GX Orion <sup>UV</sup>
Intensity	$\approx 4\,500 \mu\text{W}/\text{cm}^2$
Visible light	< 1.5 lux / 0.2 fc
Beam > 1 000 $\mu\text{W}/\text{cm}^2$	$\varnothing$ 10 inches x 7 inches / 26 cm x 18 cm

At a distance of 38 cm (15 inches)



**THREE GX ORION<sup>UV</sup> MOUNTED TOGETHER ON THE SHORT SIDE**

Multiple GX Orion<sup>UV</sup> “extension” 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 <sup>REMOTE</sup> ) (PN: A605 for GX Orion <sup>UV &amp; WH</sup> or GX Orion <sup>UV</sup> )	
Power Button (PN: A604 for GX Orion <sup>REMOTE</sup> ) (PN: A606 for GX Orion <sup>UV &amp; WH</sup> or GX Orion <sup>UV</sup> )	



Compliance with relevant ASTM and ISO Standards as well as Industry Engineering specifications

Labino AB LED UV Lights	Built in White Light LED	UV Intensity at 38 cm (15") (µW/cm <sup>2</sup> )	COMPLIES WITH ASTM E3022-2018 Standard	COMPLIES WITH Rolls-Royce RRES 90061 Specification	COMPLIES WITH Airbus AITM6-1001 Testing Method	COMPLIES WITH Pratt & Whitney Requirements	COMPLIES WITH The Boeing Co Requirements	COMPLIES WITH ISO 3039-12 Standard	COMPLIES WITH USAF Requirements
<b>GX SERIES – OVERHEAD LIGHT</b>									
<b>GX Orion REMOTE</b>	✓	1 500-7 000	✓	-	-	-	-	✓	-
<b>GX Orion UV &amp; WH</b>	✓	≈ 7 000	✓	✓	✓	✓	-	✓	-
<b>GX Orion UV</b>	-	≈ 4 500	✓	✓	✓	✓	✓	✓	✓
<b>BB 2.0 SERIES – HANDHELD LIGHT</b>									
<b>BB 2.0 Helios</b>	-	≈ 9 000	✓	-	✓	✓	-	✓	✓
<b>BB 2.0 Ikaros</b>	-	≈ 4 000	✓	✓	✓	✓	✓	✓	✓
<b>BB 2.0 Artemis</b>	-	≈ 22 000	✓	-	-	-	-	✓	-
<b>MB 3.0 SERIES – HANDHELD LIGHT</b>									
<b>Hercules Ex</b>	-	≈ 4 000	✓	✓	✓	✓	✓	✓	✓
<b>MB 3.0 Zeus</b>	✓	≈ 4 500	✓	✓	✓	✓	✓	✓	-
<b>MB 3.0 Zeus with Athena</b>	✓	≈ 4 500	✓	✓	✓	✓	✓	✓	-
<b>MB 3.0 Hermes</b>	-	≈ 4 500	✓	✓	✓	✓	✓	✓	✓
<b>MB 3.0 Hermes with Athena</b>	-	≈ 4 500	✓	✓	✓	✓	✓	✓	✓
<b>MB 3.0 Selene</b>	✓	≈ 9 000	✓	-	✓	✓	-	✓	-
<b>MB 3.0 Selene with Athena</b>	✓	≈ 9 000	✓	-	✓	✓	-	✓	-
<b>MB 3.0 Atlas</b>	-	≈ 9 000	✓	-	✓	✓	-	✓	✓
<b>MB 3.0 Atlas with Athena</b>	-	≈ 9 000	✓	-	✓	✓	-	✓	✓
<b>MB 2.0 SERIES – FLASHLIGHT / HEADLIGHT</b>									
<b>UVG3 2.0 Spotlight</b>	-	≈ 80 000	✓	-	-	-	-	✓	-
<b>UVG3 2.0 Midlight</b>	-	≈ 9 000	✓	-	✓	✓	-	✓	✓
<b>UVG3 2.0 Floodlight</b>	-	≈ 4 000	✓	✓	✓	✓	✓	✓	✓
<b>UVG5 2.0 Spotlight</b>	Optional	≈ 80 000	✓	-	-	-	-	✓	-
<b>UVG5 2.0 Midlight</b>	Optional	≈ 9 000	✓	-	✓	✓	-	✓	✓
<b>UVG5 2.0 Floodlight</b>	-	≈ 4 000	✓	✓	✓	✓	✓	✓	✓

PLEASE NOTE: The above models are in compliance with the above ASTM and ISO standards as well as industry specifications as indicated on the table above irrespective of the power source (Battery or Mains).