BERG ENGINEERING
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OVERHEAD INSPECTION LIGHTS

GX ORION 2.0 SERIES: ONE PLATFORM – THREE BEAM PROFILES

The GX Orion 2.0 series is a modular stationary UV-A LED system that can be operated 24/7. The system allows you to design the beam profile required for your inspection. It has the same outer dimensions as its predecessor but is much more powerful, incorporating a larger beam profile. It also comes with a new Spot version that can be used for long distances and even works as a wash station light. The series consists of three different types that can be obtained with or without additional white light and optionally with a remote control. A Master unit can be connected to Extension units via cables that can be customized to any length (contact Labino for simulations if required). Additionally, preconfigured Double units, optimized to meet standard requirements, are available.



GX ORION 2.0 FLOOD

GX Orion 2.0 Flood is optimized for maximum inspection area coverage, doubling the beam size of GX Orion UV. It has a peak irradiance of ~4500 µW/cm² at 38.1 cm/15" distance, complying with ASTM E3022 and RRES 90061 standards.

L4003 GX Orion Flood UV & WH Master
L4004 GX Orion Flood UV Master
L4007 GX Orion Flood UV & WH Extension
L4008 GX Orion Flood UV Extension
L4011 GX Orion Flood UV & WH Double
L4012 GX Orion Flood UV Double

GX ORION 2.0 MID

GX Orion 2.0 Mid is designed for irradiances of ~9000 µW/cm² at 38.1 cm/15" distance, higher than GX Orion at an also improved beam size. It complies with ASTM E3022 and several primes.

L4001 GX Orion Mid Remote Master
L4002 GX Orion Mid UV & WH Master
L4006 GX Orion Mid UV & WH Extension
L4009 GX Orion Mid Remote Double
L4010 GX Orion Mid UV & WH Double

GX ORION 2.0 SPOT

GX Orion 2.0 Spot is a new design for installations at greater heights and for smaller wash stations. It has an irradiance >12 000 µW/cm² at 60 cm/24" distance and covers a surface of 1x1 m at a distance of 3 m with >300 µW/cm². The lamp complies with ASTM E3022.

L4000 GX Orion Spot Remote Master
L4005 GX Orion Spot UV & WH Extension

GX ORION 2.0 – UV

GX Orion 2.0 UV versions come only with UV-A LEDs that can be switched on/off via a stainless steel button.

GX ORION 2.0 – UV & WH

GX Orion 2.0 UV & WH versions come with UV-A and extra white light that can be switched on/off via stainless steel buttons. The white light delivers 5000 lx (~500 fc) for Flood versions and 10 000 lx (~1000 fc) for Spot and Mid versions at a distance of 38.1 cm/15".

GX ORION 2.0 – REMOTE

GX Orion 2.0 Remote versions come with UV-A and extra white light that can be controlled remotely via a control panel that makes it possible to dim the UV light and to set a timer. It also has a PLC interface. The white light delivers 5000 lx (~500 fc) for Flood versions and 10 000 lx (~1000 fc) for Spot and Mid versions at a distance of 38.1 cm/15".

GX ORION 2.0 MASTER

Master units are used as single units or can be coupled to Extension units.

GX ORION 2.0 EXTENSION

Extension units can be coupled to a Master unit to increase the beam profile via a cable. They cannot be used alone. Order the same type as your Master unit. Remote versions are coupled to UV & WH Extensions.

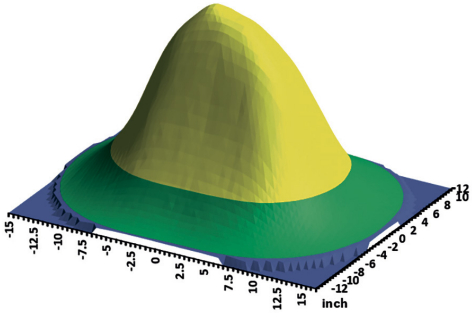
Note: One (1) PSU can operate a maximum of three (3) lamps. If the application requires more than three units connected, additional PSUs are required.

GX ORION 2.0 Double

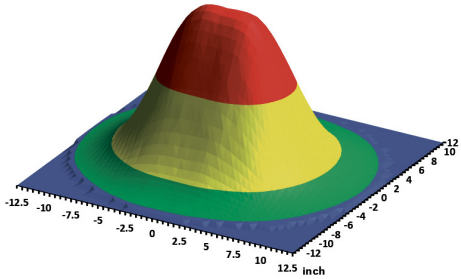
GX Orion 2.0 Double versions are units that consist of one Master and one Extension unit mounted together by a bridge, but the LEDs are factory-optimized to generate a homogeneous and large beam profile and the Double versions are certified as one lamp.



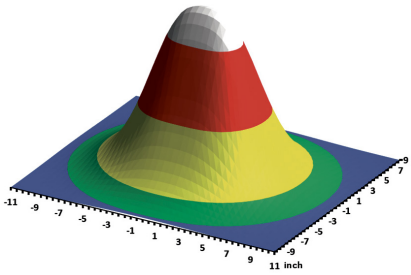
Beam profile
GX Orion 2.0 Flood

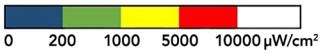


Beam profile
GX Orion 2.0 Mid



Beam profile (60 cm)
GX Orion 2.0 Spot





	VERSIONS			TECHNICAL SPECIFICATIONS						COMPLIANCES			
Model	UV-A only	UV-A & WH	Remote (UV-A & WH)	UV-A LED	Peak UV irradiance (µW/cm²) at 38.1 cm (15'')	Weight	Beam diameter (> 1000 µW/cm²) at 38.1 cm/15"	IP68	Warranty	ASTM E3022	RRES 90061	AITM6-1001/2001	ISO 3059
GX Orion Flood Single	•	•		10	4500	2.7 kg (6.0 lb)	54x38 cm (21x15")	•	4 years	•	•	•	•
GX Orion Mid Single		•	•	10	9000	2.7 kg* (6.0 lb)	45x38 cm (18x15")	•	4 years	•			•
GX Orion Spot Single			•	10	> 12 000 at 60 cm	2.7 kg* (6.0 lb)	41x35 cm (16x14")	•	4 years	•			•
GX Orion Flood Double	•	•		20	4500	5.6 kg (12.3 lb)	74x41 cm (29x16")	•	4 years	•	•	•	•
GX Orion Mid Double		•	•	20	9000	5.6 kg* (12.3 lb)	66x39 cm (26x15")	•	4 years	•			•

* Remote units weigh 100 g extra.

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