



LABINO NDT

PRODUCT PORTFOLIO

www.labino.com



PRODUCT OVERVIEW AND COMPLIANCE

			TECHNICAL SPECIFICATIONS										COMPLIANCES								
Model	Part No.	Page	Battery/ Mains	Athens Spray Can holder	White light	UV-A LED	Peak UV irradiance (µW/cm²) at 38.1 cm (15")	Weight (with batteries)	Beam diameter ($> 1000 \mu\text{W/cm}^2$)	Battery running time	Ingress Protection 68	Warranty	ASTM E3022	Rolls-Royce RRDS90061	Airbus ATMG- 1001	USAF	Pratt& Whitney	The Boeing Co.	ISO 3059- 12	Other	
UVG3 SERIES - FLASHLIGHTS																					
UVG3 2.0 Floodlight	L136	10-11	Battery			1	4.000	230 g (8.2 oz)	12 cm (4.8")	4h	•	2 years	•	•	•	•	•	•	•		
UVG3 2.0 Midlight	L135		Battery			1	9.000	215 g (7.6 oz)	10.5 cm (4.2")	6h	•	2 years	•			•	•		•		
UVG3 2.0 Spotlight	L134		Battery			1	80.000	215 g (7.6 oz)	7.6 cm (3")	4h	•	2 years	•						•		
UVG5 SERIES - HEADLIGHTS																					
UVG5 2.0 Floodlight UV	L131	12-13	Battery			1	4.000	610 g (21.5 oz)	12 cm (4.8")	8h	•	3 years	•	•	•	•	•	•	•		
UVG5 2.0 Floodlight UV & WH	L130		Battery		•	1	4.000	610 g (21.5 oz)	12 cm (4.8")	8h	•	3 years	•	•	•		•	•	•		
UVG5 2.0 Midlight UV	L129		Battery			1	9.000	600 g (21.2 oz)	10.5 cm (4.2")	12h	•	3 years	•			•	•		•		
UVG5 2.0 Midlight UV & WH	L128		Battery		•	1	9.000	600 g (21.2 oz)	10.5 cm (4.2")	12h	•	3 years	•				•		•		
UVG5 2.0 Spotlight UV & WH	L127		Battery		•	1	80.000	600 g (21.2 oz)	7.6 cm (3")	8h	•	3 years	•						•		
MB 3.0 SERIES - MEDIUM SIZED HAND HELD																					
MB 3.0 Zeus	L118	14-15	Battery		•	4	4.000	650 g (23 oz)	22 cm (8.7")	3h 30min	•	2 years	•	•	•	•	•	•	•		
	L122			•				770 g (27 oz)													
	L119			Mains				680 g (24 oz)													
MB 3.0 Hermes	L120		Battery		•	4	4.000	650 g (23 oz)	22 cm (8.7")	3h 30min	•	2 years	•	•	•	•	•	•	•	•	
	L123			•				770 g (27 oz)													
	L121			Mains				680 g (24 oz)													
MB 3.0 Selen e	L138		Battery		•	4	9.000	650 g (23 oz)	20 cm (7.9")	3h	•	2 years	•				•		•		
	L140			•				770 g (27 oz)													
	L139			Mains				680 g (24 oz)													
MB 3.0 Atlas	L124		Battery		•	4	9.000	650 g (23 oz)	20 cm (7.9")	3h	•	2 years	•			•	•		•		
	L126			•				770 g (27 oz)													
	L125			Mains				680 g (24 oz)													
MB - AUTOMATED SYSTEMS																					
MB 3.0 Isis	L2533	17	Mains			4	4.000	455 g (16 oz)	22 cm (8.7")		•	2 years	•	•	•	•	•	•	•		
MB PRO SERIES - EXTRA DURABILITY																					
MB PRO Zeus Battery	L147	18-19	Battery		•	4	4.000	1 kg (2.0 lb)	22 cm (8.7")	3h	•	3 years	•	•	•		•	•	•		
	L148			•				1.12 kg (2.5 lb)													
MB PRO Hermes Battery	L149		Battery		•	4	4.000	1 kg (2.0 lb)	22 cm (8.7")	3h	•	3 years	•	•	•	•	•	•	•		
	L150			•				1.12 kg (2.5 lb)													
MB PRO Selen e Battery	L151		Battery		•	4	9.000	1 kg (2.0 lb)	20 cm (7.9")	3h	•	3 years	•				•		•		
	L152			•				1.12 kg (2.5 lb)													
MB PRO Atlas Battery	L153		Battery		•	4	9.000	1 kg (2.0 lb)	20 cm (7.9")	3h	•	3 years	•			•	•		•		
	L154			•				1.12 kg (2.5 lb)													

			TECHNICAL SPECIFICATIONS										COMPLIANCES									
Model	Part No.	Page	Battery/ Mains	Athena Spray Can holder	White light	UV-A LED	Peak UV irradiance (µW/cm²) at 38.1 cm (15")	Weight (with batteries)	Beam diameter (> 1000 µW/cm²)	Battery running time	Ingress Protection 68	Warranty	ASTM E3022	Rolls-Royce RRRS90061	Airbus AITM6- 1001	USAF	Pratt & Whitney	The Boeing Co.	ISO 3059-12	Other		
MB HERCULES – EXPLOSIVE ATMOSPHERES																						
MB Hercules EX	L3000	21	Battery			4	4.000	980 g (2.2 lb)	20 cm (7.9")	3h	IP66	4 years	•	•	•	•	•	•	•	EX-approved		
MB BLUE SERIES – NDT INSPECTION WITH BLUE LIGHT																						
MB Poseidon (blue light)	L110	23	Battery			4 (blue)	6.500	780 g (28 oz)	24 cm (9.4")	2h 30 min	•	2 years								CEN-TR 16638		
	L109		•	900 g (32 oz)																		
	L111		Mains	700 g (25 oz)																		
BB 2.0 SERIES – HANDHELD WITH LARGE BEAM																						
BB 2.0 Ikaros	L1075	24- 25	Battery			7	4.000	1.2 kg (2.6 lb)	27 cm (10.6")	6h 30min	•	2 years	•	•	•	•	•	•	•			
	L1074		Mains	1.7 kg (3.7 lb)																		
BB 2.0 Helios	L1077		Battery			8	9.000	1.2 kg (2.6 lb)	28 cm (11")	6h	•	2 years	•		•	•		•				
	L1076		Mains	1.7 kg (3.7 lb)																		
BB 2.0 Artemis	L1079	Battery			8	22.000	1.2 kg (2.6 lb)	26 cm (10.3")	4h 30min	•	2 years	•							•			
	L1078	Mains	1.7 kg (3.7 lb)																			
SB SERIES – HANDHELD WITH EXTREME UV INTENSITY																						
SB Hera	L1095	27	Battery			8	90.000	1.65 kg (3.6 lb)	17.5 cm (6.9")	4h	•	2 years	•							•		
	L1096		Mains	2.1 kg (4.6 lb)																		
GX ORION 2.0 – OVERHEAD INSPECTION LIGHTS																						
GX Orion 2.0 Spot Remote Master	L4000	28- 31	Mains		•	10	>12 000 at 60 cm	2.8 kg (6.2 lb)	41x35 cm (16x14") at 60 cm		•	4 years	•							•		
GX Orion 2.0 Mid Remote Master	L4001		Mains		•	10	2000-9000	2.8 kg (6.2 lb)	45x38 cm (18x15")		•	4 years	•							•		
GX Orion 2.0 Mid UV & WH Master	L4002		Mains		•	10	9000	2.7 kg (6.0 lb)	45x38 cm (18x15")		•	4 years	•				•			•		
GX Orion 2.0 Flood UV & WH Master	L4003		Mains		•	10	4500	2.7 kg (6.0 lb)	54x38 cm (21x15")		•	4 years	•	•	•		•			•		
GX Orion 2.0 Flood UV Master	L4004		Mains			10	4500	2.7 kg (6.0 lb)	54x38 cm (21x15")		•	4 years	•	•	•	•	•	•	•			
GX Orion 2.0 Spot UV & WH Extension	L4005		Mains		•	10	>12 000 at 60 cm	2.7 kg (6.0 lb)	41x35 cm (16x14") at 60 cm		•	4 years	•							•		
GX Orion 2.0 Mid UV & WH Extension	L4006		Mains		•	10	9000	2.7 kg (6.0 lb)	45x38 cm (18x15")		•	4 years	•				•			•		
GX Orion 2.0 Flood UV & WH Extension	L4007		Mains		•	10	4500	2.7 kg (6.0 lb)	54x38 cm (21x15")		•	4 years	•	•	•		•			•		
GX Orion 2.0 Flood UV Extension	L4008		Mains			10	4500	2.7 kg (6.0 lb)	54x38 cm (21x15")		•	4 years	•	•	•		•			•		
GX Orion 2.0 Mid Remote Double	L4009		Mains		•	20	2000-9000	5.7 kg (12.6 lb)	66x39 cm (26x15")		•	4 years	•							•		
GX Orion 2.0 Mid UV & WH Double	L4010		Mains		•	20	9000	5.6 kg (12.3 lb)	66x39 cm (26x15")		•	4 years	•				•			•		
GX Orion 2.0 Flood UV & WH Double	L4011		Mains		•	20	4500	5.6 kg (12.3 lb)	74x41 cm (29x16")		•	4 years	•	•	•		•	•	•	•		
GX Orion 2.0 Flood UV Double	L4012		Mains			20	4500	5.6 kg (12.3 lb)	74x41 cm (29x16")		•	4 years	•	•	•	•	•	•	•	•		

			TECHNICAL SPECIFICATIONS										COMPLIANCES									
Model	Part No.	Page	Battery/ Mains	Athena Spray Can holder	White light	UV-A LED	Peak UV irradiance ($\mu\text{W}/\text{cm}^2$) at 38.1 cm (15")	Weight (with batteries)	Beam diameter ($> 1000 \mu\text{W}/\text{cm}^2$)	Battery running time	Ingress Protection 68	Warranty	ASTM E3022	Rolls-Royce RRS90061	Airbus ATTM6- 1001	USAF	Pratt & Whitney	The Boeing Co.	ISO 3059-12	Other		
GX ORION 1.0 – OVERHEAD INSPECTION LIGHTS																						
GX Orion 1.0 Remote Mother unit	L3100	32-33	Mains		•	10	1,500-7,000	2.6 kg (5.8 lb)	38x30cm (15x12")		•	4 years	•						•			
GX Orion 1.0 UV & WH Mother unit	L3101		Mains		•	10	7,000	2.5 kg (5.5 lb)	38x30cm (15x12")		•	4 years	•				•		•			
GX Orion 1.0 UV & WH Extension unit	L3104		Mains		•	10	7,000	2.5 kg (5.5 lb)	38x30cm (15x12")		•	4 years	•				•		•			
GX Orion 1.0 UV Mother unit	L3102		Mains			10	4,500	2.5 kg (5.5 lb)	35x26cm (14x10")		•	4 years	•	•	•	•	•	•	•	•		
GX Orion 1.0 UV Extension unit	L3105		Mains			10	4,500	2.5 kg (5.5 lb)	35x26cm (14x10")		•	4 years	•	•	•	•	•	•	•	•		
HYPERION – MAXIMUM INSPECTION COVERAGE																						
Hyperion	L3201	34-35	Mains			36	2100 $\mu\text{W}/\text{cm}^2$ (at 1 m)	36 kg (79.4 lb)	1.1m x 1.1m at 1m (3.6ft x 3.6ft at 3.3ft)		•	4 years	•				•			•		
COSMOS SERIES – WASH STATION LIGHTS																						
Cosmos	L3200	36-37	Mains			36	350 (at 3 m)	36 kg (79.4 lb)	$> 300 \mu\text{W}/\text{cm}^2$ 2m x 2m at 3m (6.6ft x 6.6ft at 9.8ft)		•	4 years								•		

FLASHLIGHTS

UVG2 2.0 AND UVG3 2.0 SERIES



The UVG3 2.0 series are flashlights intended to be used in non-destructive testing applications where space is limited. What differs the different UVG3 models are mainly beam size and intensity.

What unites all models is a waterproof ingress protection (IP68) and penetrant resistant sealing in combination with a small size and a light weight.



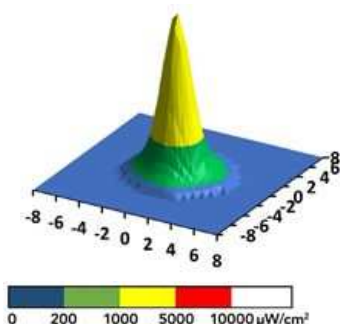
UVG3 2.0 FLOODLIGHT

UVG3 Floodlight is designed to meet the strictest aerospace requirements that has a maximum intensity of $5\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15" and needs an even beamprofile.

P/N L136: UVG3 2.0 Floodlight

Beam Profile

UVG3 2.0
Floodlight



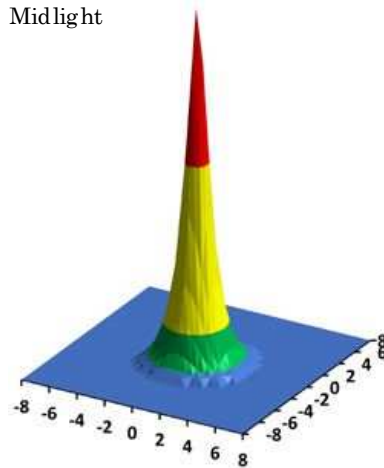
UVG3 2.0 MIDLIGHT

UVG3 2.0 Midlight is the most widely used flashlight in the product line. It has a maximum intensity of $10\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15".

P/N L135: UVG3 2.0 Midlight
NSN for P/N L135:
6230-22-620-0609

Beam Profile

UVG3 2.0
Midlight



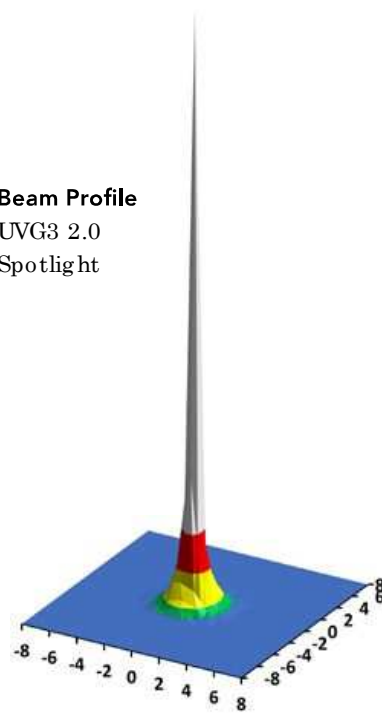
UVG3 2.0 SPOTLIGHT

UVG3 2.0 Spotlight is used in application when inspection is performed at longer distances and a higher intensity is required. Also used for leak detection and clean room verification. The lamp offers approx. $80\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15".

P/N L134: UVG3 2.0 Spotlight

Beam Profile

UVG3 2.0
Spotlight





All flashlights come with a rubber bumper that is designed to prevent the torch from rolling and fall on the floor. A design proposed by an inspector serving for the US Air Force.



The battery is replaced by unscrewing the end cap. Each flashlight comes with two batteries.

UVG3 2.0 Single kit includes:

- 1 x Lamp
- 1 x Rubber bumper
- 1 x Wrist band
- 1 x Belt holster
- 1 x Charging dock
- 1 x Power cord
- 2 x Batteries
- 1 x UV block goggles
- 1 x Carrying case



UVG3 2.0 Double kit includes:

- 2 x Lamp
- 2 x Rubber bumper
- 2 x Wrist band
- 2 x Belt holster
- 1 x Charging dock
- 1 x Power cord
- 4 x Batteries
- 1 x UV block goggles
- 1 x Carrying case



		TECHNICAL SPECIFICATIONS								COMPLIANCES						
Model	Part.No.	Battery/Mains	UV-A LED	Peak UV irradiance (µW/cm²) at 38.1 cm (15")	Weight (with batteries)	Beam diameter (> 1000 µW/cm²)	Battery running time	IP68	Warranty	ASTM E3022	Rolls-Royce RRES90061	Airbus AITM6-1001	USAF	Pratt&Whitney	The Boeing Co.	ISO 3059-12
UVG3 2.0 Floodlight	I136	Battery	1	4.000	230 g (8.2 oz)	12 cm (4.8")	4h	•	2 years	•	•	•	•	•	•	•
UVG3 2.0 Midlight	I135	Battery	1	9.000	215 g (7.6 oz)	10.5 cm (4.2")	6h	•	2 years	•			•	•		•
UVG3 2.0 Spotlight	I134	Battery	1	80.000	215 g (7.6 oz)	7.6 cm (3")	4h	•	2 years	•						•

HEADLIGHTS

UVG5 2.0 SERIES



The UVG5 2.0 series are headlights intended to be used where a hands-free solution is preferred. Especially useful for Magnetic Particle Inspection in the field, where you need one hand for the spray can and the other for the yoke. The headlight is a brilliant product when the inspection requires you to climb ladders or crawl in cramped areas. What differs the various UVG5 models are the beam size, their intensity and whether the lamp offers a white light or not.

What unites all models is a waterproof ingress protection (IP68) and penetrant resistant sealing.



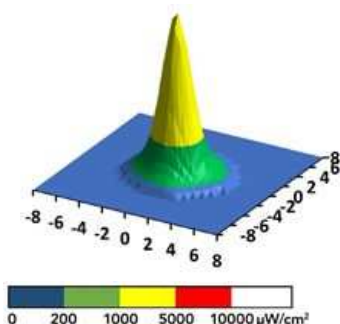
UVG5 2.0 FLOODLIGHT

UVG5 2.0 Floodlight is designed to meet the strictest aerospace requirements that has a maximum intensity of $5\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15" and needs an even beamprofile.

P/N L130: UVG5 2.0 Floodlight
UV & WH
P/N L131: UVG5 2.0 Floodlight
UV only

Beam Profile

UVG5 2.0
Floodlight



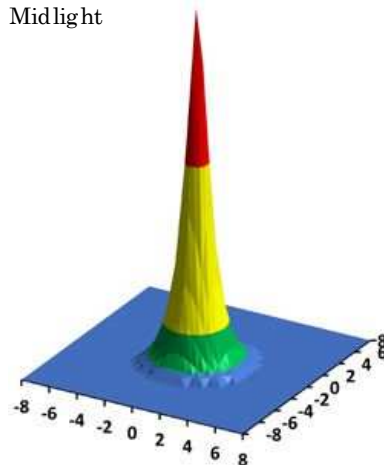
UVG5 2.0 MIDLIGHT

UVG5 2.0 Midlight is designed to meet requirements with a maximum intensity of $10\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15".

P/N L128: UVG5 2.0 Midlight
UV & WH
P/N L129: UVG5 2.0 Midlight
UV Only
NSN for P/N L129:
6230-64-002-0947

Beam Profile

UVG5 2.0
Midlight



UVG5 2.0 SPOTLIGHT

UVG5 2.0 Spotlight is designed for applications that requires an ultra-intense UV-A intensity exceeding $80\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15".

P/N L127: UVG5 2.0 Spotlight
UV & WH

Beam Profile

UVG5 2.0
Spotlight





On/off switch in stainless steel for durability and contact for charging PSU.



Charger for charging without taking out the batteries.



Batteries can easily be replaced, 2 extra batteries are included in the kit.

UVG5 2.0 Kit includes:

- 1 x Lamp
- 1 x PSU Charger
- 1 x Charging dock
- 1 x Power cord
- 4 x Batteries
- 1 x UV block goggles
- 1 x Bump cap



Model	Part.No.	TECHNICAL SPECIFICATIONS									COMPLIANCES						
		Battery/Mains	White light	UV-A LED	Peak UV irradiance ($\mu\text{W}/\text{cm}^2$) at 38.1 cm (15")	Weight (with batteries)	Beam diameter ($> 1000 \mu\text{W}/\text{cm}^2$)	Battery running time	IP68	Warranty	ASTM E3022	Rolls-Royce RRES90061	Airbus ATM6-1001	USAF	Pratt&Whitney	The Boeing Co.	ISO 3059-12
UVG5 2.0 Floodlight UV	L131	Battery		1	4.000	610 g (21.5 oz)	12 cm (4.8")	8h	•	3 years	•	•	•	•	•	•	•
UVG5 2.0 Floodlight UV & WH	L130	Battery	•	1	4.000	610 g (21.5 oz)	12 cm (4.8")	8h	•	3 years	•	•	•		•	•	•
UVG5 2.0 Midlight UV	L129	Battery		1	9.000	600 g (21.2 oz)	10.5 cm (4.2")	12h	•	3 years	•			•	•		•
UVG5 2.0 Midlight UV & WH	L128	Battery	•	1	9.000	600 g (21.2 oz)	10.5 cm (4.2")	12h	•	3 years	•				•		•
UVG5 2.0 Spotlight UV & WH	L127	Battery	•	1	80.000	600 g (21.2 oz)	7.6 cm (3")	8h	•	3 years	•						•

MEDIUM SIZED HAND HELD

MB 3.0 SERIES



The MB 3.0 Series is designed for everyday use in Non-destructive testing. It is developed to simplify your inspection by adapting the lamp to your personal preferences, your requirements and the character of your parts. What unites all models is a cooling system that offers an extraordinary thermal management, a light weight, a waterproof ingress protection (IP68) and a penetrant resistant sealing.

All battery-operated models come with extra batteries but can also be charged and operated simultaneously.



MB 3.0 ZEUS

MB 3.0 Zeus is designed for users that require a maximum intensity of $5\,000\ \mu\text{W}/\text{cm}^2$ at $38.1\ \text{cm}/15''$ and has an integrated white light.

P/N L118: MB 3.0 Zeus Battery

P/N L122: MB 3.0 Zeus with Athena spray can holder

P/N L119: MB 3.0 Zeus Mains

MB 3.0 HERMES

MB 3.0 Zeus is designed for users users that require a maximum intensity of $5\,000\ \mu\text{W}/\text{cm}^2$ at $38.1\ \text{cm}/15''$. Hermes does not have an integrated white light.

P/N L120: MB 3.0 Hermes Battery

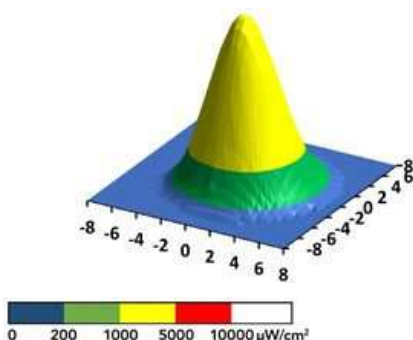
P/N L123: MB 3.0 Hermes Athena Spray can holder

P/N L121: MB 3.0 Hermes Mains

Beam Profile

MB 3.0

Zeus & Hermes



MB 3.0 SELENE

MB 3.0 Selene is designed for users preferring a higher intensity. Selene offers $9\,000\ \mu\text{W}/\text{cm}^2$ at $38.1\ \text{cm}/15''$ and has an integrated white light.

P/N L138: MB 3.0 Selene Battery

P/N L140: MB 3.0 Selene with Athena spray can holder

P/N L139: MB 3.0 Selene Mains

MB 3.0 ATLAS

MB 3.0 Atlas is designed for users preferring a higher intensity. Atlas offers $9\,000\ \mu\text{W}/\text{cm}^2$ at $38.1\ \text{cm}/15''$ and does not have an integrated white light.

MB 3.0 Atlas is approved by USAF.

P/N L124: MB 3.0 Atlas Battery

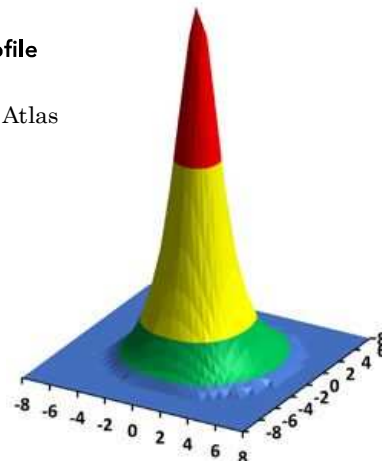
P/N L126: MB 3.0 Atlas with Athena spray can holder

P/N L125: MB 3.0 Atlas Mains

Beam Profile

MB 3.0

Selene & Atlas





Spray can holder

All MB 3.0 models are available with the Athena aerosol spray can holder. An application that releases one hand and MPI can be performed by one person.



Battery powered lamps

All battery-operated lamps come with 2 extra batteries and a charging PSU.

MB 3.0 Mains kit includes:

- 1 x Lamp
- 1 x Rubber bumper
- 1 x PSU
- 1 x 4 m long cable
- 1 x Power cord
- 1 x UV block goggles
- 1 x Carrying case



MB 3.0 Battery kit includes:

- 1 x Lamp
- 1 x Rubber bumper
- 1 x Charging PSU
- 1 x Power cord
- 1 x Charging dock
- 4 x Batteries
- 1 x UV block goggles
- 1 x Wrist band
- 1 x Carrying case



Model	Part.No.	TECHNICAL SPECIFICATIONS										COMPLIANCES						
		Battery/Mains	Aerosol Spray Can holder	White light	UV-A LED	Peak UV irradiance ($\mu\text{W}/\text{cm}^2$) at 38.1 cm (15")	Weight (with batteries)	Beam diameter ($> 1000 \mu\text{W}/\text{cm}^2$)	Battery running time	IP68	Warranty	ASTM E3022	Rolls-Royce RRE590061	Airbus AITM6-1001	USAF	Pratt&Whitney	The Boeing Co.	ISO 3059-12
MB 3.0 Zeus	L118	Battery		•	4	4.000	650 g (23 oz)	22 cm (8.7")	3,5h	•	2 years	•	•	•	•	•	•	•
	L122		•				770 g (27 oz)											
	L119	Mains					680 g (24 oz)											
MB 3.0 Hermes	L120	Battery		•	4	4.000	650 g (23 oz)	22 cm (8.7")	3,5h	•	2 years	•	•	•	•	•	•	•
	L123		•				770 g (27 oz)											
	L121	Mains					680 g (24 oz)											
MB 3.0 Selene	L138	Battery		•	4	9.000	650 g (23 oz)	20 cm (7.9")	3h	•	2 years	•				•		•
	L140		•				770 g (27 oz)											
	L139	Mains					680 g (24 oz)											
MB 3.0 Atlas	L124	Battery		•	4	9.000	650 g (23 oz)	20 cm (7.9")	3h	•	2 years	•			•	•		•
	L126		•				770 g (27 oz)											
	L125	Mains					680 g (24 oz)											

AUTOMATED SYSTEMS

MB 3.0 IRIS



MB 3.0 Iris is an extremely compact light. It is used together with automated systems that incorporate cameras to inspect hard to reach areas such as pipes interiors. The lamp can also be mounted on a magnetic bench or a penetrant line. The lamp does not have a handle but mounts on a bracket that can be screwed on a fixture.



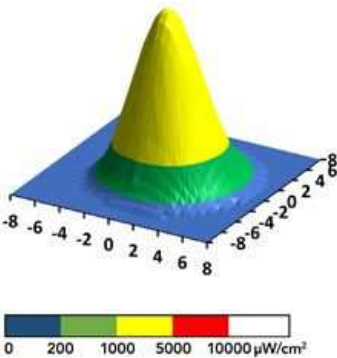
MB 3.0 IRIS

MB 3.0 Iris is designed for users that require maximum intensity of $5\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15". The lamp does not have an integrated white light.

P/N L2533: MB 3.0 Iris

Beam profile

MB 3.0 Iris



Mains powered

MB 3.0 Iris does not have an on/off switch. The lamp turns on when you plug it in. The cable goes straight out from the rear plate.



Mounting bracket

The lamp can be mounted by using the camera insert on the mounting bracket underneath the lamp. The mounting bracket sits in a track underneath the lamp.



MB 3.0 Iris kit includes:

- 1 x Lamp
- 1 x Rubber bumper
- 1 x PSU
- 1 x 4 m long cable
- 1 x Power cord
- 1 x UV block goggles
- 1 x Carrying case

		TECHNICAL SPECIFICATIONS							COMPLIANCES						
Model	Part.No.	Battery/Mains	UV-A LED	Peak UV irradiance ($\mu\text{W}/\text{cm}^2$) at 38.1 cm (15")	Weight (with batteries)	Beam diameter ($> 1000\ \mu\text{W}/\text{cm}^2$)	IP68	Warranty	ASTM E3022	Rolls-Royce RRES90061	Airbus AITM6-1001	USAF	Pratt&Whitney	The Boeing Co.	ISO 3059-12
MB 3.0 Iris	L2533	Mains	4	4.000	570 g (20 oz)	22 cm (8.7")	•	2 years	•	•	•	•	•	•	•

EXTRA DURABILITY

MB PRO SERIES

The MB PRO Series is intended to be used in environments that require extra durability. The entire body of the lamp is made in one piece of aluminium that can withstand the most extreme conditions. What unites all models is a cooling system that offers an extraordinary thermal management, a waterproof ingress protection (IP68) and a penetrant resistant sealing.

All models come with extra batteries but can be charged and operated simultaneously. MB PRO is available with two different peak intensities, with or without white light, and with or without Athena spray can holder.



MB PRO ZEUS

MB PRO Zeus is designed for users that require a maximum intensity of 5 000 $\mu\text{W}/\text{cm}^2$ at 38.1 cm/15" and has an integrated white light.

P/N L147: MB PRO Zeus

P/N L148: MB PRO Zeus with Athena spray can holder

MB PRO HERMES

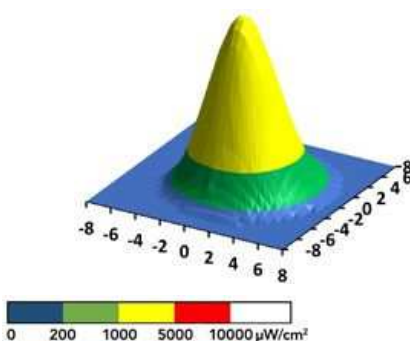
MB PRO Hermes is designed for users that require a maximum intensity of 5 000 $\mu\text{W}/\text{cm}^2$ at 38.1 cm/15". MB PRO Hermes does not have an integrated white light.

P/N L149 MB PRO Hermes

P/N L150: MB PRO Hermes Athena spray can holder

Beam Profile

MB PRO
Zeus & Hermes



MB PRO SELENE

MB PRO Selene is designed for users preferring a higher intensity. Selene offers 9 000 $\mu\text{W}/\text{cm}^2$ at 38.1 cm/15" and has an integrated white light.

P/N L151: MB PRO Selene

P/N L152: MB PRO Selene with Athena spray can holder

MB PRO ATLAS

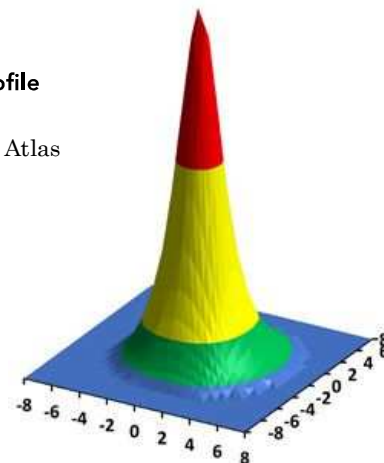
MB PRO Atlas is designed for users preferring a higher intensity. Atlas offers 9 000 $\mu\text{W}/\text{cm}^2$ at 38.1 cm/15" and does not have an integrated white light.

P/N L153: MB PRO Atlas

P/N L154: MB PRO Atlas with Athena spray can holder

Beam Profile

MB PRO
Selene & Atlas





Battery powered lamps
Durable on/off switches in stainless steel and contact for charging while operating.



Spray can holder
All MB PRO models are available with the Athena aerosol spray can holder. An application that releases one hand and MPI can be performed by one person.

MB PRO kit includes:

- 1 x Lamp
- 1 x Rubber bumper
- 1 x Charging PSU
- 1 x Power cord
- 1 x Charging dock
- 4 x Batteries
- 1 x UV block goggles
- 1 x Belt holster
- 1 x Carrying case



Model	Part.No.	TECHNICAL SPECIFICATIONS										COMPLIANCES					
		Battery/Mains	Aerosol Spray Can holder	White light	UV-A LED	Peak UV irradiance ($\mu\text{W}/\text{cm}^2$) at 38.1 cm (15")	Weight (with batteries)	Beam diameter ($\geq 1000 \mu\text{W}/\text{cm}^2$)	Battery running time	IP68	Warranty	ASTM E3022	Rolls-Royce RRES90061	Airbus AITM6-1001	Pratt&Whitney	The Boeing Co.	ISO 3059-12
MB PRO Zeus Battery	L147	Battery		•	4	4.000	1 kg (2.0 lb)	22 cm (8.7")	3h	•	3 years	•	•	•	•	•	•
	L148		•				1.12 kg (2.5 lb)										
MB PRO Hermes Battery	L149	Battery		•	4	4.000	1 kg (2.0 lb)	22 cm (8.7")	3h	•	3 years	•	•	•	•	•	•
	L150		•				1.12 kg (2.5 lb)										
MB PRO Selene Battery	L151	Battery		•	4	9.000	1 kg (2.0 lb)	20 cm (7.9")	3h	•	3 years	•			•		•
	L152		•				1.12 kg (2.5 lb)										
MB PRO Atlas Battery	L153	Battery		•	4	9.000	1 kg (2.0 lb)	20 cm (7.9")	3h	•	3 years	•			•		•
	L154		•				1.12 kg (2.5 lb)										

EXPLOSIVE ATMOSPHERES

MB HERCULES EX



MB Hercules Ex is intended for non-destructive testing in explosive atmospheres. The enclosure is sealed to prevent a spark from causing an explosion. MB Hercules Ex is the first and only UV inspection light available on the market today with explosion proof approvals, that has been tested to comply with the ASTM E3022 as well as supplier requirements such as Rolls-Royce RRES 90061 and Airbus AITM6-1001.

Hercules Ex has successfully completed all tests leading to the ATEX certification for Group II, Zone II, NFPA 70 Article 500 for Class I (divisions II locations), the Salt Fog Test as per military standard 810F and the Explosive Atmosphere Test as per military standard 810G.

MB HERCULES EX

MB Hercules Ex is designed for use in explosive atmospheres.

P/N L3000: MB HERCULES EX

NSN 6635-64-002-1717

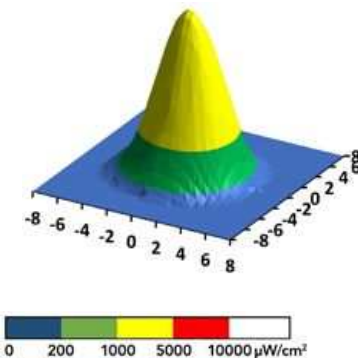
Atex cert No: ITS17ATEX402144

IECEEx cert No: IECEEx ITS 17.0056X



Beam profile

MB Hercules Ex



Charge without removing batteries. Charge only in non-explosive environment.



Battery powered.



Hercules EX kit includes

- 1 x Lamp
- 1 x Rubber bumper
- 1 x Charging PSU
- 1 x Power cord
- 1 x Charging dock
- 4 x Batteries
- 1 x UV block goggles
- 1 x Belt holster
- 1 x Carrying case

Model	Part. No.	TECHNICAL SPECIFICATIONS								COMPLIANCES							
		Battery/Mains	UV-A LED	Peak UV irradiance (μW/cm²) at 38.1 cm (15")	Weight (with batteries)	Beam diameter (> 1000 μW/cm²)	Battery running time	IP68	Warranty	ASTM E3022	Rolls-Royce RRE590061	Airbus AITM6-1001	USAF	Pratt&Whitney	The Boeing Co.	ISO 3059-12	Other
MB Hercules Ex	L3000	Battery	4	4.000	980 g (2.2 lb)	20 cm (7.9")	3h	IP66	4 years	•	•	•	•	•	•	•	EX-approved

HANDHELD WITH LARGE BEAM

BB 2.0 SERIES



The BB 2.0 series is designed for non-destructive testing applications that require a large beam. The main difference between the various models are intensity and the choice of power source. All models have penetrant resistant sealing in combination with a large beam, extraordinary cooling and high durability.

All battery-operated models come with a charging PSU and can be charged and operated simultaneously.



BB 2.0 IKAROS

BB 2.0 Ikaros is designed for users that require a maximum intensity of 5 000 $\mu\text{W}/\text{cm}^2$ at 38.1 cm/15" and a large beam.

P/N L1074: BB 2.0 Ikaros Mains

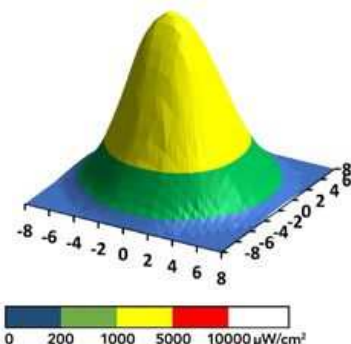
P/N L1075: BB 2.0 Ikaros DUO (Battery)

NSN: 6635-64-002-1718

Beam profile

BB 2.0

Ikaros



BB 2.0 HELIOS

BB 2.0 Helios is designed for users that require a maximum intensity of 10 000 $\mu\text{W}/\text{cm}^2$ at 38.1 cm/15" and a large beam.

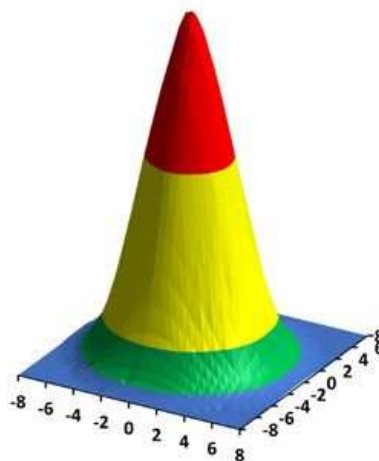
P/N L1076: BB 2.0 Helios Mains

P/N L1077: BB 2.0 Helios DUO (Battery)

Beam profile

BB 2.0

Helios



BB 2.0 ARTEMIS

BB 2.0 Artemis is used for application where inspection is performed at longer distances and a high intensity is required. Also used for leak detection and clean room verification. Artemis offers approx. 22 000 $\mu\text{W}/\text{cm}^2$ at 38.1 cm/15".

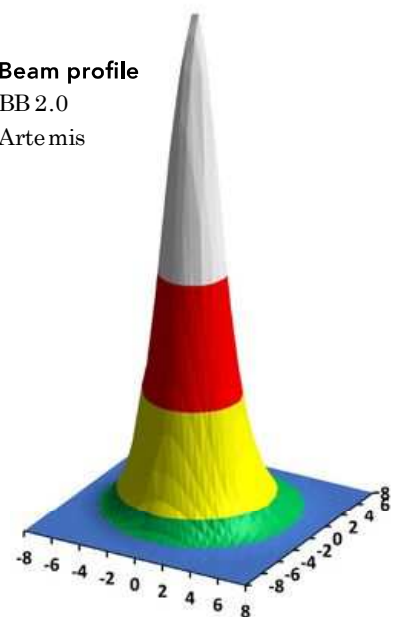
P/N L1078: BB 2.0 Artemis Mains

P/N L1079: MB 3.0 Artemis DUO (Battery)

Beam profile

BB 2.0

Artemis





BB 2.0 with a cable winder
BB 2.0 mains is available with a cable winder. The winder offers 10 m of cable and releases workload from the inspector.



Mounting yokes
Mounting yokes for fixed installation of BB 2.0



Pistol handle adaptor
For easier mounting on a flexible arm, an adaptor is available for the BB 2.0 pistol handle. The hole inside the adaptor suits most standard flexible arms in use on magnetic benches.

BB 2.0 Mains kit includes:

- 1 x Lamp
- 1 x PSU
- 1 x Power cord
- 1 x UV block goggles



BB 2.0 Battery kit includes:

- 1 x Lamp
- 1 x Charging PSU
- 1 x Power cord
- 1 x UV block goggles



Model	Part.No.	TECHNICAL SPECIFICATIONS								COMPLIANCES						
		Battery/Mains	UV-A LED	Peak UV irradiance ($\mu\text{W}/\text{cm}^2$) at 38.1 cm (15")	Weight (with batteries)	Beam diameter (> 1000 $\mu\text{W}/\text{cm}^2$)	Battery running time	IP68	Warranty	ASTM E3022	Rolls-Royce RRES90061	Airbus AITM6-1001	USAF	Pratt&Whitney	The Boeing Co.	ISO 3059-12
BB 2.0 Ikaros	L1075	Battery	7	4.000	1.2 kg (2.6 lb)	27 cm (10.6")	6,5h	•	2 years	•	•	•	•	•	•	•
	L1074	Mains			1.7 kg (3.7 lb)											
BB 2.0 Helios	L1077	Battery	8	9.000	1.2 kg (2.6 lb)	28 cm (11")	6h	•	2 years	•			•	•		•
	L1076	Mains			1.7 kg (3.7 lb)											
BB 2.0 Artemis	L1079	Battery	8	22.000	1.2 kg (2.6 lb)	26 cm (10.3")	4,5h	•	2 years	•						•
	L1078	Mains			1.7 kg (3.7 lb)											

HANDHELD WITH EXTREME UV INTENSITY

SB SERIES

2
YEARS
WARRANTY

SB Hera is probably the strongest UV-A LED light in the world. It generates more than 90 000 $\mu\text{W}/\text{cm}^2$ at a distance of 38.1 cm (15"). This lamp is ideal for leak detection, identification of bacteria, as well as for performing NDT outdoors, for example in the Oil and Gas industry.

As all Labino UV lamps SB Hera is waterproof (IP68) and penetrant resistant. The battery-operated model comes with a charging PSU and can be charged and operated simultaneously.



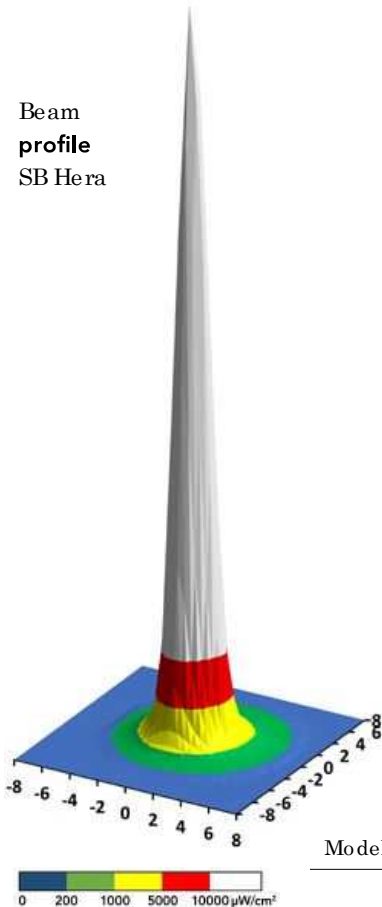
SB HERA BATTERY

SB Hera is designed for applications requiring a super high intensity of > 90 000 $\mu\text{W}/\text{cm}^2$ at 38.1 cm/15".

P/N L1095: SB Hera DUO

P/N L1096: SB Hera Mains

Beam
profile
SB Hera



Shoulder strap

The SB Hera lamps come with a shoulder strap to release weight and ease climbing while inspecting.



SB Hera Mains kit includes:

- 1 x Lamp
- 1 x PSU
- 1 x Power cord
- 1 x Shoulder strap
- 1 x UV block goggles

Pistol handle
adaptor

For easier mounting on a flexible arm, an adaptor is available for the SB Hera pistol handle. The hole inside the adaptor suits most standard flexible arms in use on magnetic benches.



SB Hera DUO kit includes:

- 1 x Lamp
- 1 x Charging PSU
- 1 x Power cord
- 1 x Shoulder strap
- 1 x UV block goggles

		TECHNICAL SPECIFICATIONS								COMPLIANCES	
Model	Part.No.	Battery/Mains	UV-A LED	Peak UV irradiance ($\mu\text{W}/\text{cm}^2$) at 38.1 cm (15")	Weight (with batteries)	Beam diameter (> 1000 $\mu\text{W}/\text{cm}^2$)	Battery running time	IP68	Warranty	ASTM E3022	ISO 3059-12
SB Hera	L1095	Battery	8	90.000	1.65 kg (3.6 lb)	17.5 cm (6.9")	4h	•	2 years	•	•
	L1096	Mains			2.1 kg (4.6 lb)						

OVERHEAD INSPECTION LIGHTS

GX ORION 2.0



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 $\sim 4500 \mu\text{W}/\text{cm}^2$ at 38.1 cm/15" distance, complying with ASTM E3022 and RRES 90061 standards.

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

GX ORION 2.0 MID

GX Orion 2.0 Mid is designed for irradiances of $\sim 9000 \mu\text{W}/\text{cm}^2$ at 38.1 cm/15" distance, higher than GX Orion at an also improved beam size. It complies with ASTM E3022 and several primes.

P/N L4001 GX Orion Mid Remote Master
P/N L4002 GX Orion Mid UV & WH Master
P/N L4006 GX Orion Mid UV & WH Extension
P/N L4009 GX Orion Mid Remote Double
P/N 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 $>12\,000 \mu\text{W}/\text{cm}^2$ at 60 cm/24" distance and covers a surface of 1x1 m at a distance of 3 m with $>300 \mu\text{W}/\text{cm}^2$. The lamp complies with ASTM E3022.

L4000 GX Orion Spot Remote Master
L4005 GX Orion Spot Remote 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 ($\sim 500 \text{ fc}$) for Flood versions and 10 000 lx ($\sim 1000 \text{ fc}$) 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 ($\sim 500 \text{ fc}$) for Flood versions and 10 000 lx ($\sim 1000 \text{ fc}$) 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.

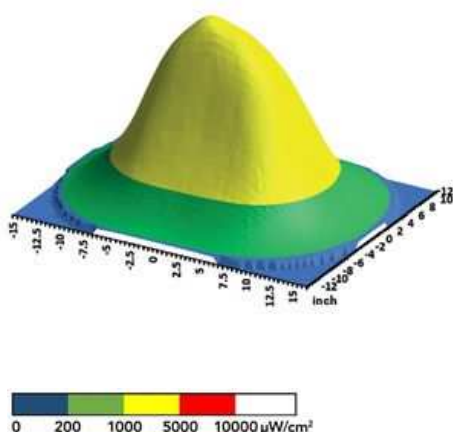
GX ORION 2.0 Double

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.



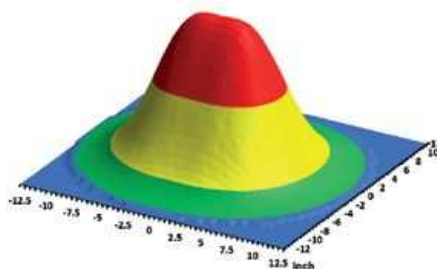
Beam profile

GX Orion 2.0 Flood



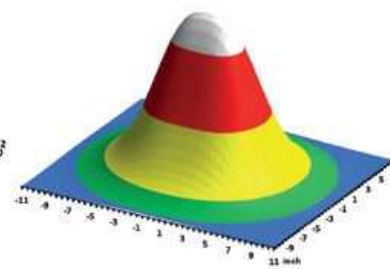
Beam profile

GX Orion 2.0 Mid

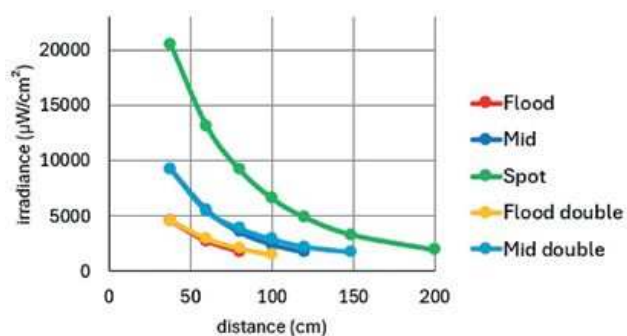


Beam profile (60 cm)

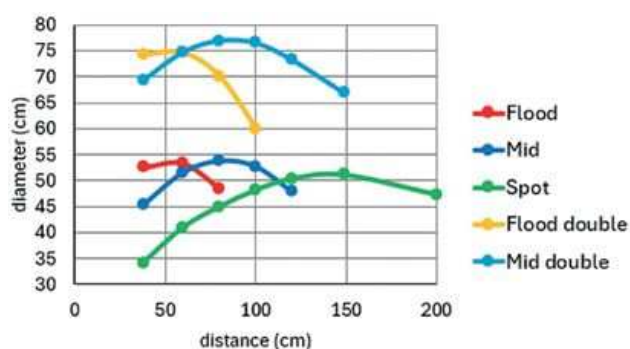
GX Orion 2.0 Spot



Change of irradiance in dependence of the distance from the lamp



Beam diameter along the long axis in dependence of the distance from the lamp



I4000-I4001



I4002-I4003



I4004



I4009



I4010-I4011



I4012



GX Orion 2.0 Master kit includes:

- 1 x Lamp
- 1 x PSU
- 1 x Cable between lamp and PSU
- 1 x Power cord
- 4 x Cylinder pins for mounting
- 4 x Chains for mounting
- 1 x UV block visor
- 1 x Allen key

The GX Orion REMOTE kit also includes a remote control.



GX Orion 2.0 Double kit includes:

- 1 x Lamp
- 1 x PSU
- 1 x Cable between lamp and PSU
- 1 x Power cord
- 4 x Cylinder pins for mounting
- 4 x Chains for mounting
- 1 x UV block visor
- 1 x Allen key

The GX Orion REMOTE kit also includes a remote control.

GX Orion 2.0 Extension kit includes:

- 1 x Lamp
- 2 x Mounting bars for assembly long side to long side
- 4 x Long mounting pins to assembly short side to short side
- 4 x Cylinder pins for mounting
- 4 x Chains for mounting
- 2 x Connection Cables
- 1 x Allen key



		TECHNICAL SPECIFICATIONS								COMPLIANCES						
Model	Part.No.	White light	Remote Control	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	ATM6-1001/2001	USAF	Pratt&Whitney	The Boeing Co.	ISO 3059
GX Orion Spot Remote Master	L4000	•	•	10	>12 000 at 60 cm	2.8 kg (6.2 lb)	41x35 cm (16x14")*	•	4 years	•						•
GX Orion Mid Remote Master	L4001	•	•	10	2000-9000	2.8 kg (6.2 lb)	45x38 cm (18x15")	•	4 years	•						•
GX Orion Mid UV & WH Master	L4002	•		10	9000	2.7 kg (6.0 lb)	45x38 cm (18x15")	•	4 years	•				•		•
GX Orion Flood UV & WH Master	L4003	•		10	4500	2.7 kg (6.0 lb)	54x38 cm (21x15")	•	4 years	•	•	•		•		•
GX Orion Flood UV Master	L4004			10	4500	2.7 kg (6.0 lb)	54x38 cm (21x15")	•	4 years	•	•	•	•	•	•	•
GX Orion Spot UV & WH Extension	L4005	•		10	>12 000 at 60 cm	2.7 kg (6.0 lb)	41x35 cm (16x14")*	•	4 years	•						•
GX Orion Mid UV & WH Extension	L4006	•		10	9000	2.7 kg (6.0 lb)	45x38 cm (18x15")	•	4 years	•				•		•
GX Orion Flood UV & WH Extension	L4007	•		10	4500	2.7 kg (6.0 lb)	54x38 cm (21x15")	•	4 years	•	•	•		•		•
GX Orion Flood UV Extension	L4008			10	4500	2.7 kg (6.0 lb)	54x38 cm (21x15")	•	4 years	•	•	•		•		•
GX Orion Mid Remote Double	L4009	•	•	20	2000-9000	5.7 kg (12.6 lb)	66x39 cm (26x15")	•	4 years	•						•
GX Orion Mid UV & WH Double	L4010	•		20	9000	5.6 kg (12.3 lb)	66x39 cm (26x15")	•	4 years	•				•		•
GX Orion Flood UV & WH Double	L4011	•		20	4500	5.6 kg (12.3 lb)	74x41 cm (29x16")	•	4 years	•	•	•		•	•	•
GX Orion Flood UV Double	L4012			20	4500	5.6 kg (12.3 lb)	74x41 cm (29x16")	•	4 years	•	•	•	•	•	•	•

* at 60 cm

OVERHEAD INSPECTION LIGHTS

GX ORION 1.0



The GX Orion 1.0 is a modular stationary UV LED system, that can be operated 24/7. The system allows you to design the beam profile required for your inspection. The series consists of 5 models; 3 mother units and 2 extension units. A mother unit can be connected with an extension unit either via included cable bridges or via customized cables in any length. Contact Labino and we will simulate the beam size based on your specification and needs.

GX ORION 1.0 REMOTE – MOTHER UNIT

GX Orion 1.0 Remote is an overhead inspection lamp with an intensity of $> 7\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15". The model is equipped with a control panel that makes it possible to dim the UV light and to set a timer to save lifetime of the LEDs. The unit has an integrated white light.

P/N L3100: GX ORION 1.0 REMOTE – Mother unit

GX ORION 1.0 UV & WHITE – MOTHER UNIT

GX Orion 1.0 UV & WH is an overhead inspection lamp with an intensity of $> 7\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15". This model only has on/off buttons in stainless steel to operate the lamp with increased durability. The unit has an integrated white light.

P/N L3101: GX ORION UV & WH – Mother unit

GX ORION 1.0 UV & WHITE – EXTENSION UNIT

The UV & WH Extension unit has an intensity of $> 7\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15" and is intended to be connected with L3100 or L3101.

P/N L3104: GX ORION UV & WH – Extension unit



GX ORION 1.0 UV – MOTHER UNIT

GX Orion 1.0 UV is an overhead inspection lamp, designed for inspectors that require maximum intensity of $> 5\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15". The unit has no integrated white light. The suitable extension unit to fit GX Orion UV is – P/N L3105 Extension UV.

P/N L3102: GX ORION UV – Mother unit

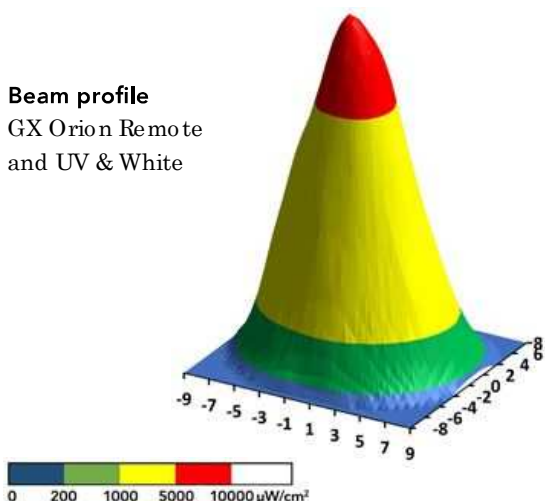
GX ORION 1.0 UV – EXTENSION UNIT

The UV Extension unit has an intensity of maximum $> 5\,000\ \mu\text{W}/\text{cm}^2$ at 38.1 cm/15" and is intended to be connected with L3102.

P/N L3105: GX ORION UV – Extension unit

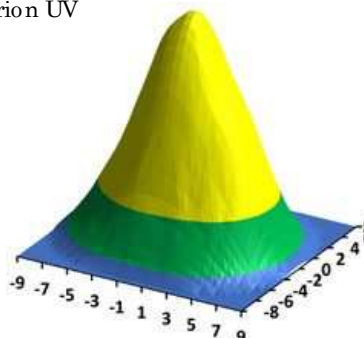
Beam profile

GX Orion Remote
and UV & White



Beam profile

GX Orion UV



Three GX Orion 1.0 units mounted together
Example of three units connected together, one GX Orion Remote and two GX Orion 1.0 UV & WH Extensions, long side to long side.

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 for every third extension. Instead of using the cable bridges, you can order customized cables in the length of your choice. The cable enables the units to be connected with a space in between the units and in this way increase the beam size.



GX Orion 1.0 Mother kit includes:

- 1 x Lamp
- 1 x Charging PSU
- 1 x Cable between lamp and PSU
- 1 x Power cord
- 4 x Cylinder pins for mounting
- 4 x Chains for mounting
- 1 x UV block visor

The GX Orion REMOTE kit also includes a remote control.



GX Orion 1.0 Extension kit includes:

- 1 x Lamp
- 1 x Cable bridge to connect short side to short side
- 1 x Cable bridge to connect long side to long side
- 2 x Mounting bars for assembly long side to long side
- 4 x Long mounting pins to assembly short side to short side
- 4 x Cylinder pins for mounting
- 4 x Chains for mounting
- 1 x UV block visor

Model	Part.No.	TECHNICAL SPECIFICATIONS								COMPLIANCES						
		Battery/ Mains	White light	UV-A LED	Peak UV irradiance (µW/cm²) at 38.1 cm (15")	Weight (with batteries)	Beam diameter (> 1000 µW/cm²)	IP68	Warranty	ASTM E3022	Rolls-Royce RRES90061	Airbus AITM6-1001	USAF	Pratt&Whitney	The Boeing Co.	ISO 3059-12
GX Orion Remote Mother unit	L3100	Mains	•	10	1.500-7.000	2.6 kg (5.8 lb)	38x30cm (15x12")	•	4 years	•						•
GX Orion UV & WH Mother unit	L3101	Mains	•	10	7.000	2.5 kg (5.5 lb)	38x30cm (15x12")	•	4 years	•				•		•
GX Orion UV & WH Extension unit	L3104	Mains	•	10	7.000	2.5 kg (5.5 lb)	38x30cm (15x12")	•	4 years	•				•		•
GX Orion UV Mother unit	L3102	Mains		10	4.500	2.5 kg (5.5 lb)	35x26cm (14x10")	•	4 years	•	•	•	•	•	•	•
GX Orion UV Extension unit	L3105	Mains		10	4.500	2.5 kg (5.5 lb)	35x26cm (14x10")	•	4 years	•	•	•	•	•	•	•

MAXIMUM INSPECTION COVERAGE HYPERION

Hyperion is engineered for applications where maximum inspection coverage is essential, delivering the largest beam profile on the market — by a considerable margin. Built to the same uncompromising standards of reliability and durability as all Labino products, it features IP68-rated waterproofing, a penetrant-resistant sealant, and an industry-leading 4-year warranty. Fully compliant with ASTM E3022 standards, Hyperion is approved for professional NDT inspection applications and ideal for testing large weld seams, frames, panels, and other components requiring broad coverage.

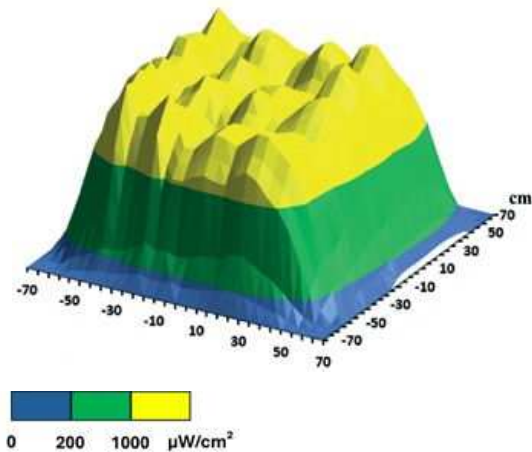


HYPERION

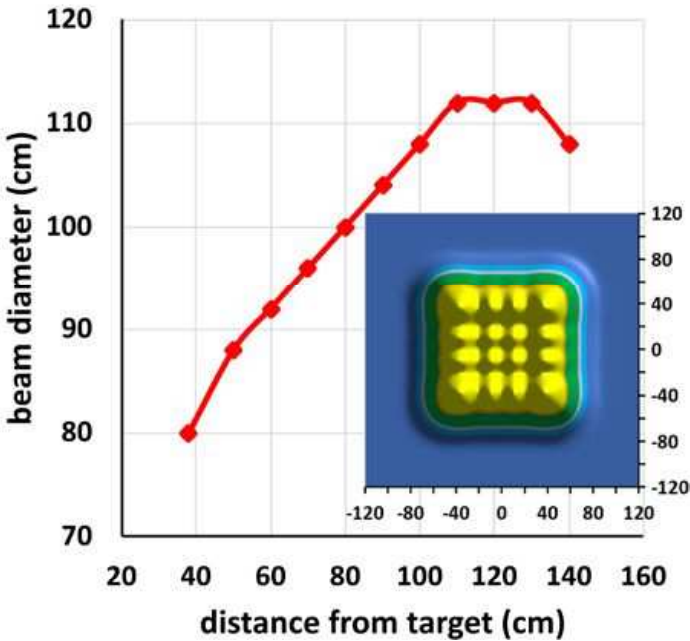
Hyperion is taking UV-A inspection lamps to the extreme. It covers a staggering 1.1 x 1.1 m (3.6 x 3.6 ft) at a distance of 1 m (3.3 ft) from the surface with an irradiance > 1000 $\mu\text{W}/\text{cm}^2$. The square beam geometry allows for mounting multiple units without dark spots in between.

P/N L3201: Hyperion

Beam profile hyperion at
1m distance



Beam diameter



Eye bolt for easy mounting
An eye bolt holds the unit together with two durable stainless-steel bars.



HYPERION kit includes:

- 1 x Lamp
- 1 x Push button
- 1 x PSU
- 1 x 10 m (32.8 feet) long cable
- 1 x Power cord
- 2 x Mounting bars
- 1 x Eye bolt for mounting
- 4 x Levelers / bolts / nuts for mounting
- 1 x UV face shield

Model	Part.No.	TECHNICAL SPECIFICATIONS							COMPLIANCES		
		Battery/Mains	UV-A LED	Peak UV irradiance ($\mu\text{W}/\text{cm}^2$) at 38.1 cm (15")	Weight	Beam diameter ($>1\,000\,\mu\text{W}/\text{cm}^2$)	IP68	Warranty	ASTM E3022	USAF	ISO 3059-12
Hyperion	L3201	Mains	36	2100 $\mu\text{W}/\text{cm}^2$ (at 1 m)	36 kg (79.4 lb)	1.1m x 1.1m at 1m (3.6" x 3.6" at 3.3")	•	4 years	•	•	•

WASH STATION LIGHT

COSMOS



A UV light, specifically designed to withstand the harsh conditions of a wash station and covering an area of 2 x 2 meters (7 x 7 feet) from 3 meters (10 feet) with a constant intensity of $> 300 \mu\text{W}/\text{cm}^2$ – probably the largest in the world! The square beam geometry allows for mounting multiple units without dark spots in between.



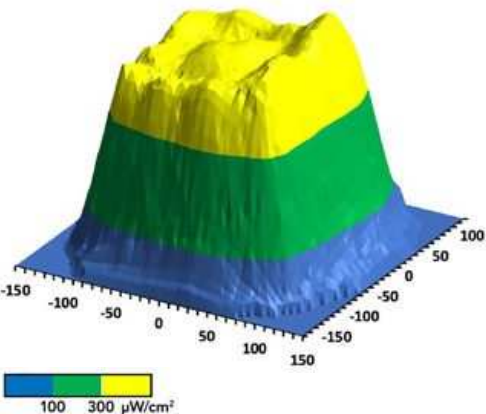
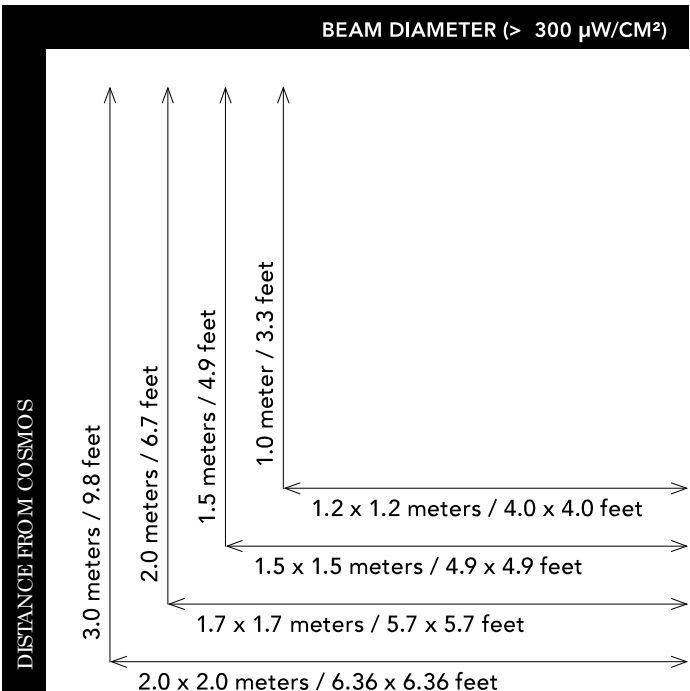
COSMOS

Cosmos is available in one model only. It comes with a push button to operate the lamp with a 10-meter (32.8 feet) cable. Optional is a foot pedal. The sealing is penetrant resistant, and the lamp is tested to be IP68 classified (waterproof).

P/N L3200: Cosmos

Beam profile

Cosmos





Eye bolt for easy mounting
An eye bolt holds the unit together with two durable stainless-steel bars.



Replace LED on site

The lamp is designed to be serviced on site. The operator can easily unscrew and pull down the lid, that is fixed with three hinges and replace an LED. No soldering required. No electrical work required. A plug and play solution for your convenience.



Cosmos kit includes:

- 1 x Lamp
- 1 x Push button
- 1 x PSU
- 1 x 10 m (32.8 feet) long cable
- 1 x Power cord
- 1 x Eye bolt for mounting
- 4 x Levelers / bolts / nuts for mounting
- 1 x UV face shield

Model	Part.No.	TECHNICAL SPECIFICATIONS							COMPLIANCES
		Battery/Mains	UV-A LED	Peak UV irradiance ($\mu\text{W}/\text{cm}^2$) at 38.1 cm (15")	Weight (with batteries)	Beam diameter ($> 300 \mu\text{W}/\text{cm}^2$)	IP68	Warranty	ISO 3059-12
Cosmos	L3200	Mains	36	350 (at 3 m)	36 kg (79.4 lb)	2 x 2m at 3m (6.56ft x 6.56ft at 9.8ft)	•	4 years	•

LIGHT METERS

APOLLO SERIES



Apollo 3.0 is an instrument for precise measurements of UV-A irradiation and illuminance. Extra engineering effort is taken to make an accurate measurement of visible light emission from an UV-A lamp by incorporating a superior bandpass filter containing only non-fluorescent components. The instrument provides fast measurements as it offers autoranging and concurrent measuring of visible light and UV-A irradiation. It is ergonomic and easy to use due to its lightweight chassis, a wireless sensor unit and its compact size. Apollo 3.0 is traceable to NIST (USA's National Institute of Standards and Technology) and complies with ISO 3059. For Apollo blue, the UV-A sensor is replaced by a blue light sensor which is in compliance with CEN/TR 16638.

Apollo 3.1 adds the possibility to measure luminance in cd/m^2 or fL using a specially designed tube. The application range is focused on extensive illumination fields such as screens for radiographic testing. Any Apollo meter can be upgraded to measure luminance by purchasing an upgrade package, including calibration at Labino.

Calibration

The recommended calibration interval is six months. Calibrations are performed by Labino or a Labino authorized calibration center. These centers can be found online at www.labino.com. Please note that Aerospace companies that are audited by Nadcap must send in both the reader and the sensor for calibration. Labino is an ISO 17025-accredited lab. The accreditation guarantees a documented calibration process including traceability of all calibrations and control of drift and uncertainties.

APOLLO

P/N M513: Apollo 3.0 Standard Kit

NSN: 6650-64-001-5195

P/N M514: Apollo 3.0 Double Kit (2 Sensors)

P/N M515: Apollo 3.0 Sensor only

P/N M521: Apollo 3.1 Standard Kit (1 Sensor & Luminance Tube)

P/N M522: Apollo 3.1 Double Kit (2 Sensors & Luminance Tube)

P/N M517: Apollo Blue Standard Kit

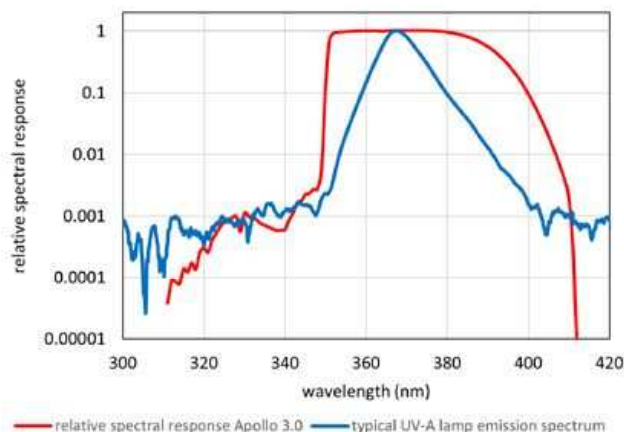
P/N M519: Apollo Blue 3.1 (1 Sensor & Luminance Tube)

P/N M523: Luminance Meter upgrade, including calibration



*The 4 year warranty is conditional on recalibrations carried by Labino authorized labs. Alternatively, the warranty is 1 year.

Relative spectral response of the Apollo 3.0 UV-radiometer





Luminance meter

The Apollo photometer can be used as a luminance meter for radiographic inspection by attaching a specially designed luminance tube. The tube comes with two support stands to allow easy scanning of a radiographic film. Existing Apollo meters of any version can be upgraded to be equipped with a luminance tube – please send in both the hand and the sensor unit for upgrading.



Wireless connection – no cables for ease of use!
Sensor measurements and transmission of data is done via Bluetooth. The wireless sensor enables the user to measure from a distance of up to five meters (16 feet). This feature ensures that the sensor unit is stable, and no movement occurs from connecting cables during measurement. Each sensor unit has both UV-A or blue light and white light sensors incorporated.



Alkaline batteries – easy to replace



Included in M513 Apollo 3.0 Standard Kit:

- 1 x Reader
- 1 x UV-A & White Light Sensor
- 1 x Carrying case



Included in M514 Apollo 3.0 Double Kit:

- 1 x Reader
- 2 x UV-A & White Light Sensor
- 1 x Carrying case



Included in M515 Apollo 3.0 sensor only:

- 1 x UV-A & White Light Sensor



Included in M521 Apollo 3.1 Standard Kit (UV & White & Luminance tube):

- 1 x Reader
- 1 x UV-A & White Light Sensor
- 1 x Luminance tube
- 2 x Luminance tube support stand
- 1 x Carrying case



Included in M517 Apollo Blue Standard Kit:

- 1 x Reader
- 1 x Blue & White Light Sensor
- 1 x Carrying case



Included in M519 Apollo Blue 3.1 (Blue & White & Luminance tube):

- 1 x Reader
- 1 x Blue & White Light Sensor
- 1 x Luminance tube
- 2 x Luminance tube support stand
- 1 x Carrying case

APOLLO MEASUREMENT STAND

OLYMPOS

The Olympos measurement stand comes with four different size plates that can be used interchangeably on the stand. This enables all Labino portable lights (UVG3 2.0 Series, UVG5 2.0 Series, MB Series, BB 2.0 Series) to be measured from the same distance (38.1 cm or 15 inches) using the Labino Apollo 3.0 UV and White light meter or any other meter.

OLYMPOS

P/N A542: Olympos Meter Fixture



Measure MB lamp
using OLYMPOS



Measure Torch light lamp
using OLYMPOS



Measure Head light
using OLYMPOS



Measure BB 2.0 using
OLYMPOS



Included in Olympos Kit:

- 1 x Measurement stand
- 1 x Lamp holder for UVG3 2.0 Torch light
- 1 x Lamp holder for UVG5 2.0 Head light
- 1 x Lamp holder for all MB Lamps (MB 3.0, Hercules EX, MB PRO and MB Poseidon)
- 1 x Lamp holder for BB 2.0

ACCESSORIES

SAFETY ACCESSORIES			
S505		UV Block goggles	All UV-A lamps
S401		Goggles UV & Detachable face shield	All UV-A lamps
S304		Yellow goggles	MB Poseidon
RUBBER BUMPERS			
F107		Rubber bumper	UVG2 2.0 and UVG3 2.0 – all models
F111		Rubber bumper	MB 3.0 Atlas MB 3.0 Selene bought before Dec 2024
F119		Rubber bumper	MB 3.0 Atlas Athena MB 3.0 Selene Athena bought before Dec 2024
F108		Rubber bumper	MB 3.0 Hermes
F121		Rubber bumper	MB 3.0 Hermes Athena
F106		Rubber bumper	MB 3.0 Zeus MB 3.0 Selene bought after Dec 2024
F109		Rubber bumper	MB 3.0 Zeus Athena MB 3.0 Selene Athena bought after Dec 2024

HOLSTERS WRIST BANDS			
A504		Belt holster	MB 3.0 Series – all battery models
C1400		Belt holster	UVG2 2.0 and UVG3 2.0 – all models
S548		Wrist strap	UVG2 2.0 and UVG3 2.0 – all models
A507		Hand grip band	MB 3.0 Series – all models
FIXTURES ARMS STANDS			
A530		Variable friction arm	MB and BB series – all models
A531		Super clamp	Extra clamp for A530
A532		Variable goose neck light weight	UVG Torch light – all models
A533		Variable goose neck heavy weight	MB 3.0 Series – all battery models MB 3.0 Iris
A536		Flexible arm – round pin (incl. handle adapter)	BB and SB Hera Series – all models
F146		BB Pistol handle adapter (1/2" Aluminum)	BB and SB Hera Series – all models
A538		Flexible arm – squared pin	MB Series – all Mains models
A534		Round pin (only the pin) for Flexible arm	Extra Pin for Flexible arms A536 and A538, suits BB and SB Hera handle
A539		Squared pin (only the pin) for Flexible arm	Extra Pin for Flexible arms A536 and A538, suits MB Mains handle
A545		Threaded pin (only the pin) for Flexible arm	Extra Pin for Flexible arms A536 and A538, suits MB Battery handle
A537		Swivel clamp (only clamp)	Extra clamp intended for Flexible arms A536 and A538

A600		Tripod	UVG Series – all models
A542		Olympos	Meter stand – Suits all Apollo meters
A601		Magnet – PSU holder	All PSUs
F800		Mounting yoke (incl. 2 screws and 2 nuts)	BB and SB Hera – all models
F801		Mounting brackets	BB and SB Hera – all models
F802		Mounting brackets with two loop screws used	BB and SB Hera – all models
F145		Shoulder strap	BB and SB Hera – all models
GX ORION ACCESSORIES			
S139		Cable between PSU and mother unit	GX Orion 1.0 Mother and GX Orion 2.0 Master
A605		Foot pedal	GX Orion 1.0 Mother and GX Orion 2.0 Master
A496		PLC cable	GX Orion 1.0 Mother and GX Orion 2.0 Master
A497		2 cables to replace cable bridge to connect mother and extension unit where space is required. Standard length 1 m (3.28"). Customized upon request	GX Orion 1.0 Mother and GX Orion 2.0 Master to Extension
F122		Fixture single	GX Orion 1.0 and 2.0
F123		Fixture double	GX Orion 1.0 and 2.0
F116		Remote Control	GX Orion 1.0 Remote and GX Orion 2.0 Remote
F112		PSU GX Orion – Universal, incl.: • PSU • Cable to connect PSU to GX Orion • Power cord	GX Orion 1.0 Mother and GX Orion 2.0 Master

HYPERION AND COSMOS ACCESSORIES			
F810		Mounting bars with bolts	Hyperion and Cosmos
ATHENA ACCESSORIES			
A503		Athena spray can holder incl. front bezel	MB 3.0 Selene/Atlas bought before Dec 2024 All MB 2.0 models
A506		Athena spray can holder incl. front bezel	MB Poseidon (Blue light)
A508		Athena spray can holder incl. front bezel	MB 3.0 Selene bought after Dec 2024 and MB 3.0 Zeus
A510		Athena spray can holder incl. front bezel	MB 3.0 Atlas bought after Dec 2024 and MB 3.0 Hermes
OTHER ACCESSORIES			
A607		Bump cap	Hard hat that suits UVG5 2.0 Head light (Blue with Labino logo)
A505		Contact lid	BB 2.0 – all battery models
S547		Cable MB 2.0 & 3.0 Mains (4 m / 13.12 feet)	MB Mains – all models



LABINO AB
Fabriksvägen 9B
186 32 Vallentuna, SWEDEN

☎ +46 8 83 90 70
@ labino@labino.com
in Labino AB
🌐 www.labino.com

Labino AB shall not be held liable for any errors or omissions resulting from the test procedures that were used in validating performance of any Labino AB product nor for unforeseen errors or omissions in digital or printed material.

