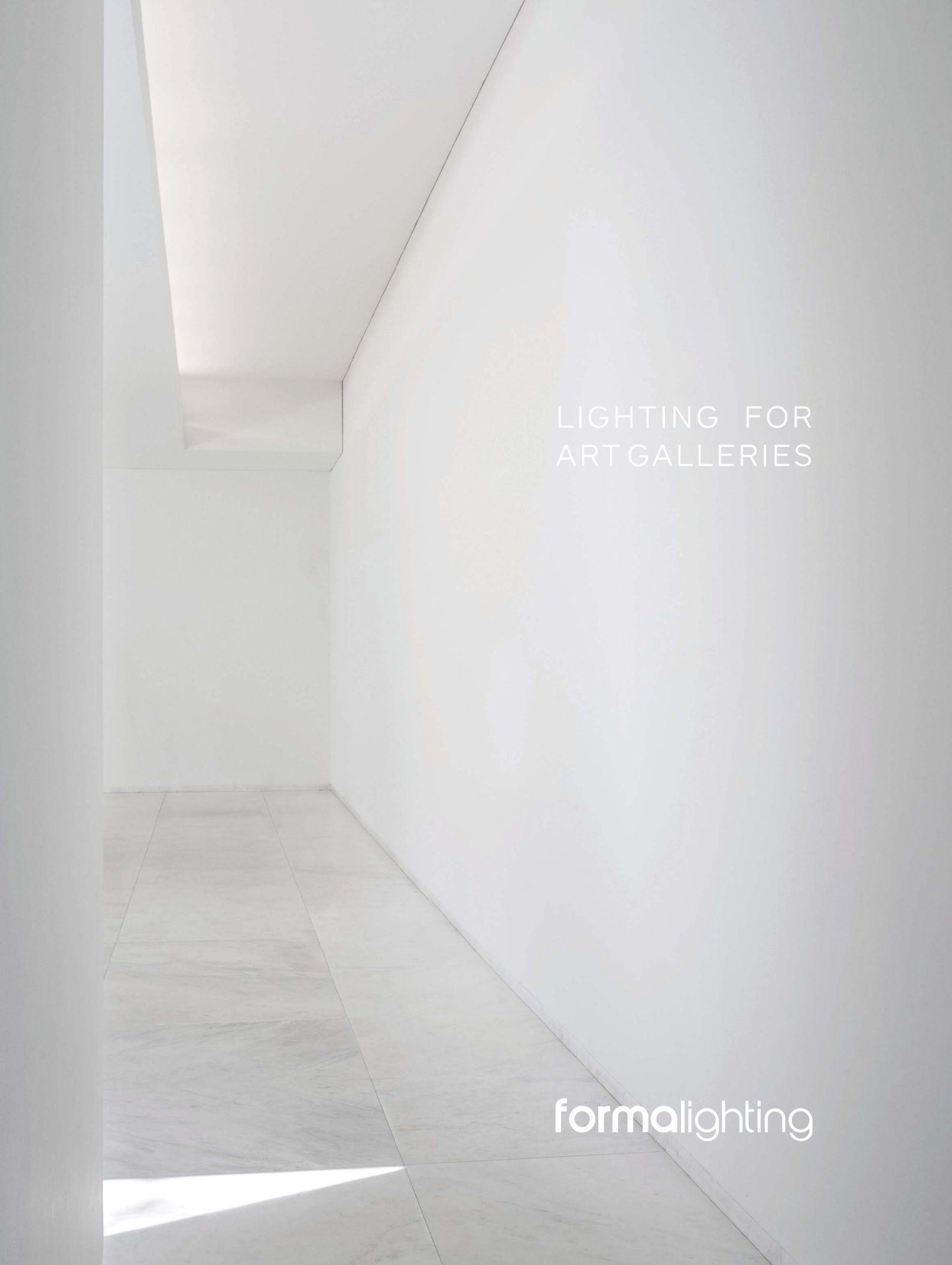


LIGHTING FOR ART GALLERIES

formalighting

‹“Light and the rational forms are locked in combat; light sets them into motion, bends what is straight, makes parallels oval, inscribes circles in the intervals, makes the intervals active”›.

Paul Klee

THE EVOLUTION OF A NEW CONCEPT

The architectural design of art galleries, has evolved from a Beaux-arts style to modern minimalist interiors- a backdrop of stark walls craving frames and canvases, which are highly responsive to any natural light.

Whether the gallery concept is ‘urban’ or ‘heritage’ the collaboration of intelligent lighting design together with the calculated manipulation of natural light can create a new physiological dimension and affect the visual perception of an artwork and offer the artist and gallery curator the opportunity to reveal the various layers of the piece, and deliver a full and comprehensive artistic experience of the space exhibits and artworks.

As the exhibits and artworks change so must the respective lighting design of the gallery space. Advanced lighting technology and precision optics, have created numerous opportunities to achieve the desired unique lighting effects. These effects can now be easily controlled through MOTOLUX - formalighting’s innovative and functional lighting system.

MOTOLUX, a range of motorized remote controlled light fixtures, is a revolutionary solution for art galleries, because it enables gallery staff to revise and re-orient the light at the touch of a button and puts the creative control of the light back into the hands of gallery curators and the artists. No more ladders or scaffolding. No special set-up/wiring or complicated controls.

Welcome to the new era of MOTOLUX.

<“I think we are all born with the instinct of hunter-gatherers, which means essentially that we look for things and collect them”>.

Selim Varol

The Gallery of Cornelis. *Willem Van Haecht.* 1628. An early precursor of the modern museum.

THE QUALITY OF LIGHT

Lighting is an essential tool of narration. Art galleries can use lighting to guide the visitor's emotional experience and use a creative play of light and shadow to dramatize a piece, or change the mood of the exhibition and its environment e.g from modern to romantic, and even draw the visitor's eye to a specific detail in a unique artwork or sculpture.

Merely pin-spotting artworks will not build perception or dimension.

The harmonizing of various features of the light, specifically - the light's colour temperature, intensity and beam spread are the small details that will elevate an exhibit.
Since visitors are free to move around the space, in any direction, the light can also be used to re-direct them without interfering with the display.

Part of adjusting the evocative journey of an exhibit requires us to pay attention to the visual comfort of the lighting. This is the area where we consider the importance of the latest LED lighting technology and question the 'quality' of the light - its performance, its colour rendering and its energy efficiency. When light can draw out the richness of an artwork's colours and give depth to the visual experience, the observer enjoys a natural preference that 'feels' right.

It is a science and engineered technology to re-create this optimal natural light that maintains the observer's engagement.

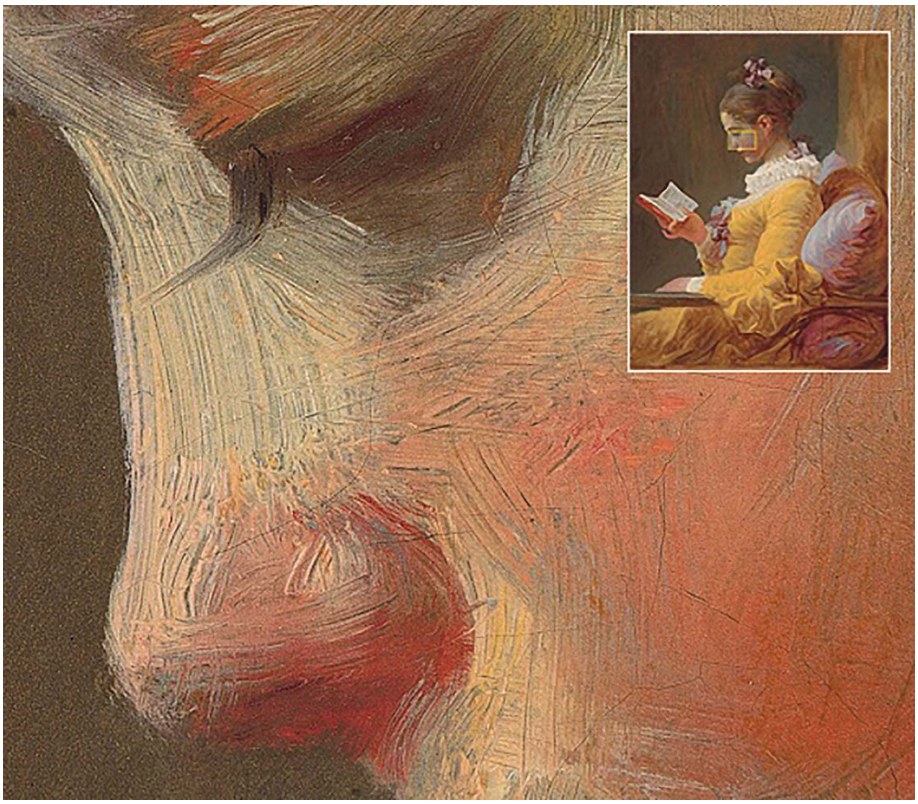
This advanced lighting technology has been incorporated into formalighting's MOTOLUX luminaires to ensure the best quality of light.

Pavel Büchler, ***'Studio Schwitters'*** 2010.Installation view at Max Wigram Gallery. London.

Lighting by formalighting. Products: Moto-Ola, PaneLED. Powered by CASAMBI

MEDUSA by Wawi Navarroza. Silverlens art gallery. Manila, Philippines.

SENSITIVE ENVIRONMENT. PROLONGED EXPOSURE

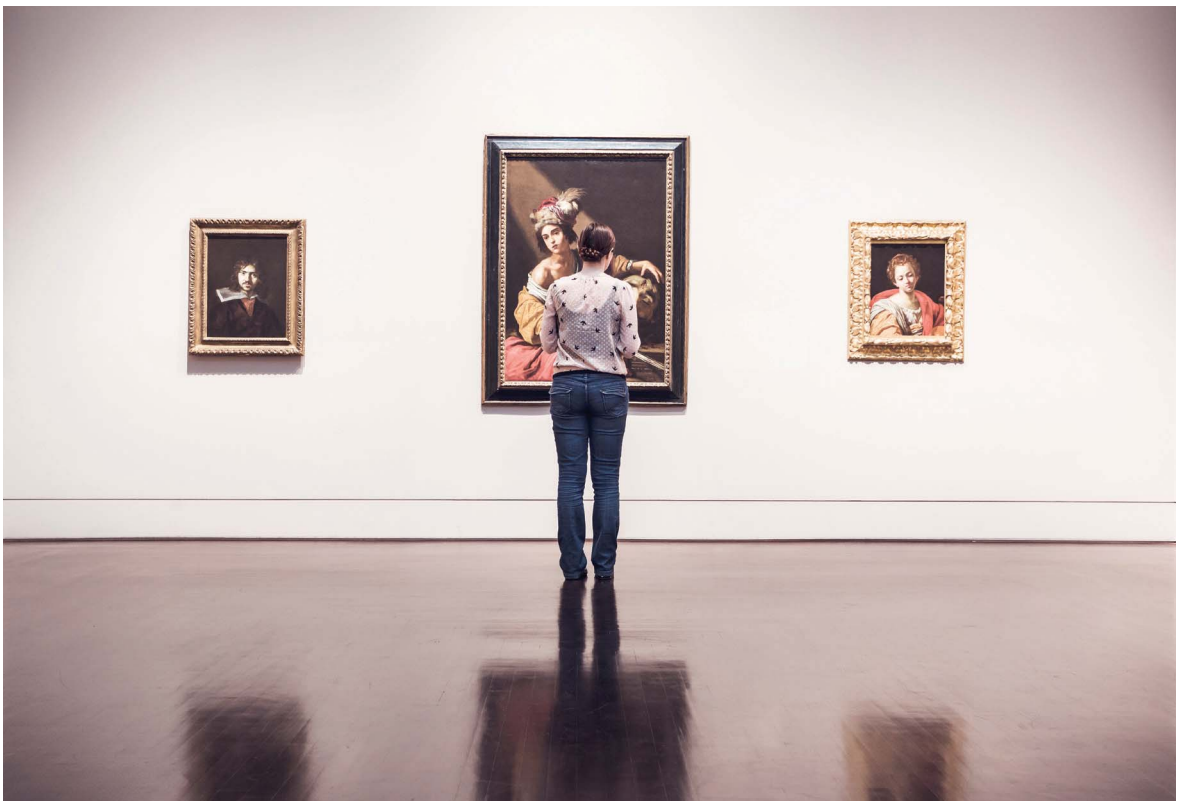


Young Girl Reading, Jean-Honore Fragonard's, 1770.

In general any light-sensitive items should be displayed using discreet, deep-recessed downlights in order to protect the items from UV exposure. The use of low output spotlights with localised dimming can provide good lighting and still limit the maximum output to 50 LUX, to preserve any conservation items and avoid fading or damage from over exposure.

MOTOLUX fixtures are all designed with deeply regressed LED light heads to reduce glare for optimal visual comfort and incorporate LEDs from industry leaders free from UV and IR emissions.

THE IMPORTANCE OF AMBIENCE



The most common lighting system to facilitate the art gallery's operation, is linear, continuous runs of track, that will usually run the length of the space, and support spotlights to highlight the artworks.
The lighting should all be subject to a control system, to enable preset scenes that reflect the availability of natural light - saving energy where possible, while still preserving the desired atmosphere.

With MOTOLUX fixtures, the simple track lighting system immediately becomes upgraded with a range of new, special features that can add value to the space and the exhibits by offering the tools that create ambience and lighting effects. Fewer light heads are required and better lighting performance enjoyed to help improve the buyers experience, in addition to the numerous advantages for the gallery in terms of safety, cost & time savings.

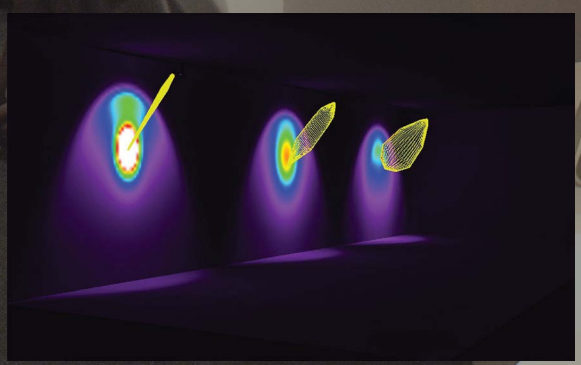
Welcome to the new era of MOTOLUX.

LEADING PEOPLE THROUGH THE SCENARIO

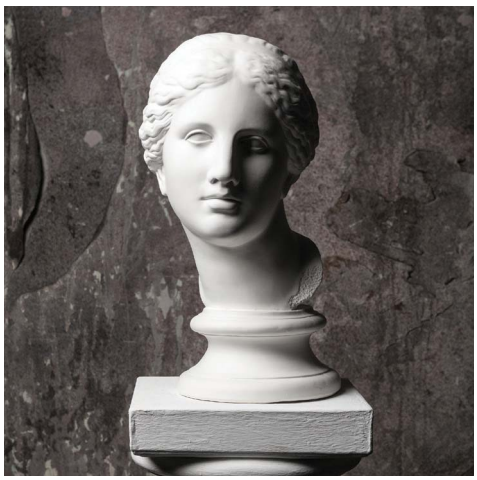
The interplay between light and shadow, can create high contrast lighting scenarios to affect the ambience. This game of contrast is directly connected to the requirements of each individual artwork and will usually undergo many attempts to perfect. The MOTOLUX, hand-held user friendly remote controlled dimming feature facilitates this application, as gallery teams easily adjust the light intensity for each artwork by selecting one light fixture or by creating groups of light fixtures and controlling them collectively.

The mix of high and low light intensity is a great technique to enhance the texture and shape of an artwork. However, careful attention must be paid to the colour temperature of the light as it dims, and the light sensitivity of the artwork or object. MOTOLUX's Dim2Warm™ feature delivers tuneable light that warms as it dims maintaining its high colour rendering index and colour consistency for smooth, precise dimming on highly sensitive artworks that require reduced LUX levels for the sake of their preservation. Furthermore, the LED lamp source in MOTOLUX fixtures does not create UV or IR exposures, so is ideal for the art gallery environment.

Opera Gallery. Hong Kong.



BEAM ANGLES



A narrow beam angle can be used to accentuate the features of an artwork or sculpture, or highlight a certain pattern on a canvas.

When the proximity of the light to an artefact cannot be re-negotiated, the focus must be on reducing glare and what are often referred to as ‘hot spots’ of light. A wider beam angle can solve this issue. MOTOLUX offers its luminaires in a range of beam angles from very narrow to flood.

Lighting by formalighting. Product: Moto-Zero .

Opera Gallery. Hong Kong.

DIMMING

The combination of precise beam angles and light intensity can affect lighting scenarios that dramatise exhibits and create a perception of an artwork or sculpture to be radiating light.

Dimming light is associated with creating a sense of increased intimacy, so the desire for light to become “warmer” as it dims can also be achieved. MOTOLUX fixtures also offer a Dim2Warm™ option which enables the visible light spectrum to warm to the more ‘red’ end of the colour spectrum.

Continuous Vortex. Jorge Palacios

As the light dims the CCT will warm from 3000K at its brightest intensity (100%) to 1800K at its lowest intensity.

These theatrical lighting scenarios and contrast levels on an artwork or 3D object can be saved by pressing the ‘X’ on the MOTOLUX remote control.

As light is dimmed, pupils will dilate and let in more light. Studies support that an increased pupil results in heightened visual exploration. Dimming the brightness of the light is a useful tool when exhibiting larger, complex pieces to draw the observer's attention to applied techniques, while increasing the light intensity can compliment brightly coloured artworks.

It is a delicate process to find this ideal balance while ensuring that an artwork is neither under nor over-exposed.

S/T#1. Celdas series. Javier León Pérez

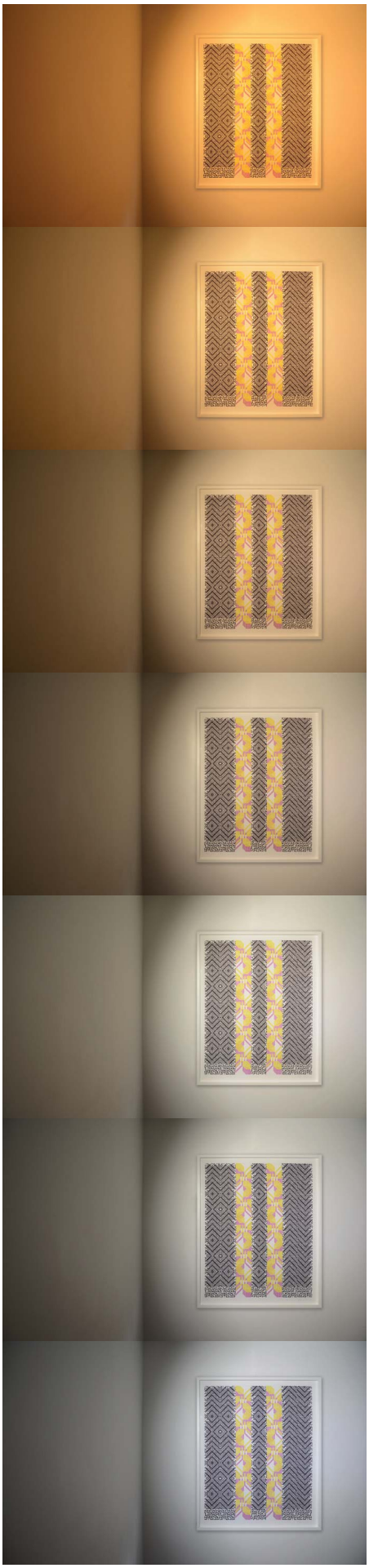
MOTOLUX enables the user to easily experiment with different levels of light intensity through its built-in LaserDim™ driver engineered for high-quality, smooth and accurate dimming , flicker- free and without an abrupt "pop-off" at the lowest level.

With MOTOLUX's user-friendly remote control fixtures can be dimmed individually or in groups. Alternative dimming control options such as CASAMBI™ or DMX are also available.

COLOUR TEMPERATURE

Most art galleries will have natural daylight flowing into the space, so it is inevitable that there will be a mix of natural daylight and artificial lighting in the art gallery. As the natural light will change during the course of the day and season, it is important that their rays should blend well.

Since the colour rendering in natural daylight is unique and visually preferable, it makes sense to integrate the colour temperature of the artificial light in order to avoid any emotional disconnect from the piece when the collector installs the artwork into its new environment.



To coordinate the colour temperature of the light, MOTOLUX has developed the tuneable white feature which enables the user to tune the whiteness of the light from a very warm white to a much cooler white.

MOTOLUX enables the user to create the lighting scenarios desired and pre- program the colour temperature for different times of day.

By changing the colour temperature, different colours and effects from the same artwork can be observed.

MOTOLUX's Tuneable White™ feature enables an artist to express how they intend their artwork to be perceived. MOTOLUX offers two spectrums of white colour temperature, with the CCT tuning from 2700K to 6000K or from 1600K to 4000K.

The pre-selected CCT from either range will remain constant during dimming due to the advanced built-in LaserDim™ driver.

Anamnesis. Limited edition prints.
María García Ibañez & Javier León Pérez.

ACCENT & WASH

Lighting by formalighting. Products: Ringo.

Opera Gallery. Hong Kong.

Lighting the vertical surfaces of the interior can emphasise the spatial perception of the room, while offering some general lighting. The smooth wall surfaces in art galleries respond well to wall washing and wall grazing.

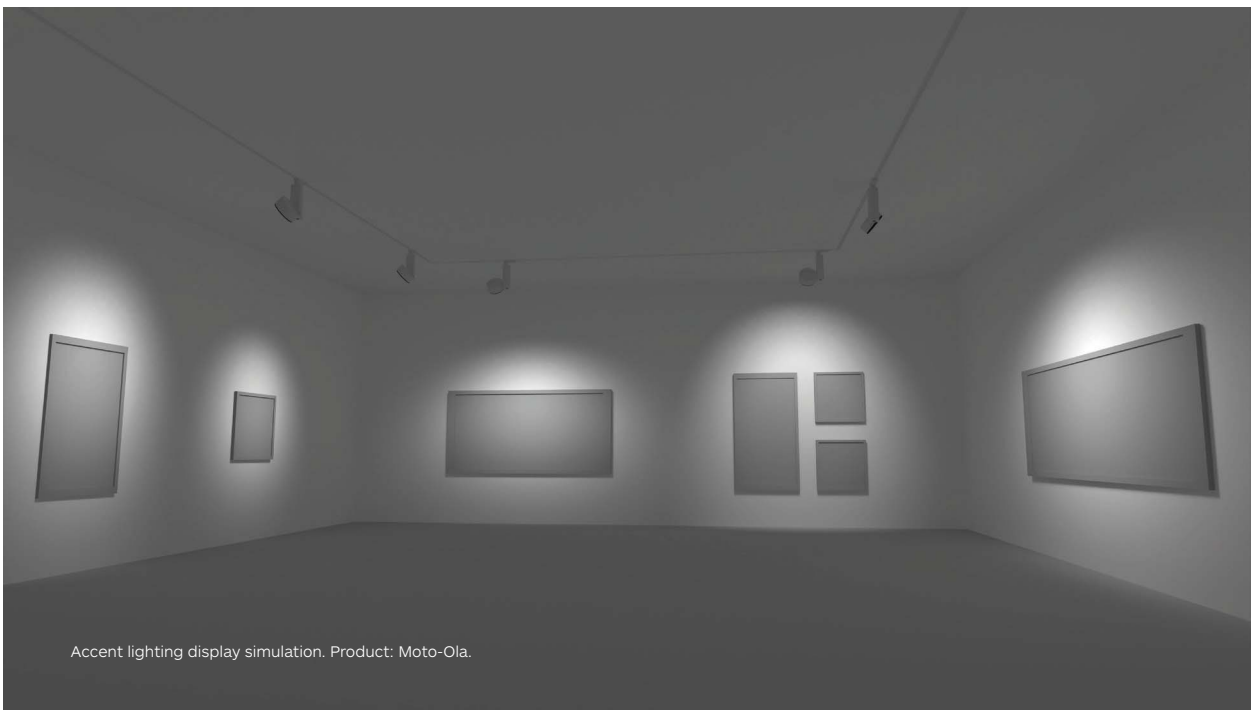
Wall washing is an ideal solution for effectively lighting an extra large artwork compared to accent lighting with a narrower beam, which is used to draw attention to a particular area and guide the observer's eye to that point.

Lighting by formalighting. Product: Moto-Polaris.

Opera Gallery. Hong Kong.

ENDLESS DESIGN POSSIBILITIES FOR AN EFFICIENT AND PRECISE ILLUMINATION OF ART

As it is common to find a combination of different sized artworks, MOTOLUX offers its most popular track-mounted gallery fixture Moto-Ringo, in both a spot and wall washer version, to help the space maintain a minimalist and uniform, linear aesthetic.

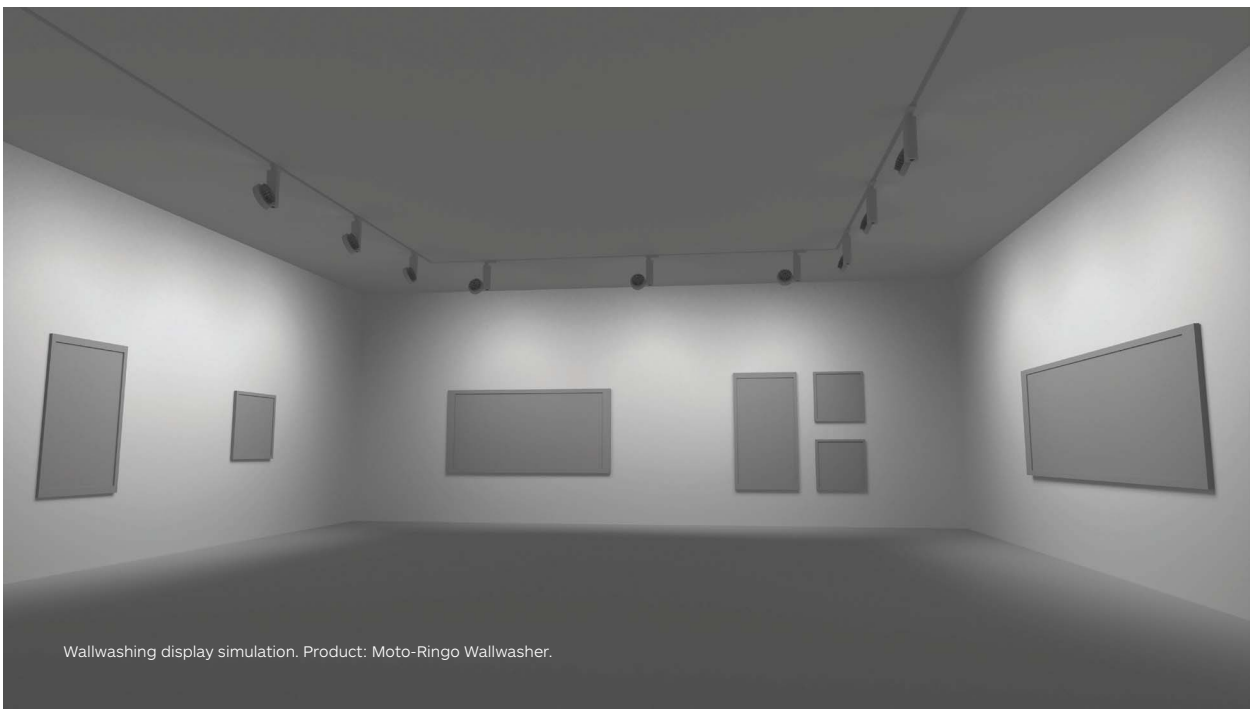


Accent lighting display simulation. Product: Moto-Ola.

With static fixtures, there are constraints relating to their mounting distance from the wall and the tilt angles of the light head.

MOTOLUX - A FLEXIBLE AND QUALITATIVE SYSTEM

MOTOLUX fixtures offer increased flexibility as the pan and tilt movements of MOTOLUX light heads are easily adjusted from the hand-held transmitter.



Wallwashing display simulation. Product: Moto-Ringo Wallwasher.

MOTOLUX also offers a range of inter-changeable optical accessories for all fixtures, to create desired lighting effects and optimise visual comfort in those more complex applications.

Lighting by formalighting. Product: Moto-Zero.

1800 - PARADISE. Hong Kong.

MOTOLUX

Motorized Remote Controlled Lighting

First, we create a beautiful, highly efficient beam of light using the latest technologies and quality components.

Then we give you more.

The MOTOLUX range puts full control of the light directly into the designers' hands using a user-friendly hand-held transmitter (*art M202.) Simply point the laser on the transmitter to the dome of any single or group of fixtures, then adjust pan and tilt, dimming, and even white colour tuning.

This is most useful in museums or galleries where frequent scene changes are required.

No longer will it be necessary to hire maintenance and technical staff to mount ladders to adjust lighting. Reduce your liability and labor costs!

This is the solution for the soaring ceilings of many highly acclaimed architectural spaces where lighting is inaccessible without special lifts or scaffolding.

MOTOLUX is revolutionary for art galleries because now the sales staff with little or no technical experience can quickly revise exhibition and re-orient the light, even during open hours.

Seasonal or ambient lighting effects can also be adjusted with the same hand-held transmitter, as light levels and colour temperature can be individually controlled.

No special setup or equipment is required. Just install like any other fixture.

FormaLighting has elegantly introduced motor, dim, and colour control to its popular fixtures without compromising design.

Welcome to the era of MOTOLUX.

2017
Innovation Award
ARCHITECTURE + PRESENTATION
WINNER 1

formalighting

MOTOLUX

Motorized Remote Controlled Lighting

All its power in your hands

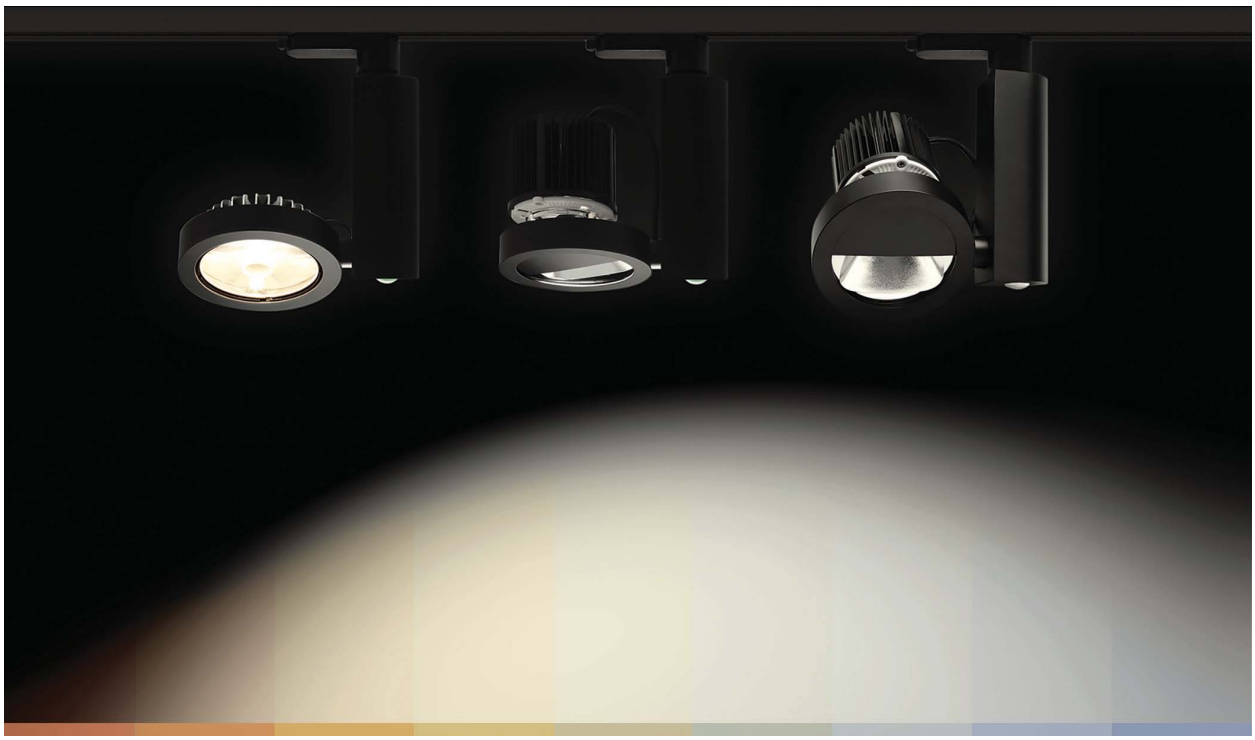
revolutionary lighting technology | controlled at the touch of a button

MOTOLUX, an award winning, revolutionary lighting concept using patented technology to easily and fully control light orientation, intensity and tune the white colour temperature by a hand held transmitter or CASAMBI™ or DMX-512.

The elegant design of Moto-Ola discreetly incorporates advanced engineered miniature motors, controlled at the touch of a button by the Motolux patented remote control technology to select an individual or infinite group of fixtures (from floor-level and from a distance of up to 12 meters) and drive tilt movements up to +/- 100° and pan movements up to +/- 160°.

Moto-Ola stands out from the crowd thanks to its elegant design united with fine Italian craftsmanship. With its flexibility in light direction and ease for frequent changes of light scenes is the ideal solution for museum and hospitality environments.

Moto - Ringo



Body

Moto-Ringo, a motorized remote controlled fixture, encapsulating a high-pressure die-cast aluminium lamp body designed for passive cooling, with a 0-90° Tilt and a 0-160° Pan rotation, easily adjustable via a user-friendly MOTOLUX hand-held remote, Bluetooth mesh or DMX protocol via smart phone or tablet.

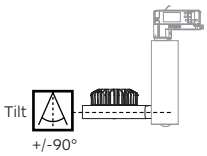
The luminaire is available with a light head diameter of 120mm or 62mm.

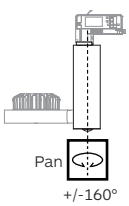
Light sources

LED Module with built-in reflector or SORAA SLE series. Available also in retrofit for AR111 and MR16 lamps.
Tuneable White™ and Dim2Warm™ version available on request.

Emissions

Beam angle according to chosen lamp. Special beam effect can be obtained by the installation of the appropriate accessory.





Accessories

Requires the MOTOLUX Remote Control (M202).
Vast range of Optical accessories available to maximizing the output, minimizing the glare and insure a smooth uniform beam (see page 40 for ordering information).

Driver

Driver-box inclusive of LaserDim™ (0-100) pre-wired driver 220-240V 50/60Hz (for info about box shape see page 27).
External Dim Options (with additional cost): DALI, 0-10VDC, Phase.

Finish

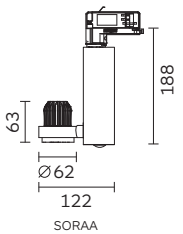
Black (10), White (11).

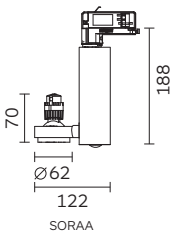
Applications

Art & Exhibition, Retail & Commercial, Hospitality & Leisure, Food & Beverage

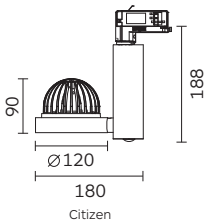
Moto - Ringo 62 / 120

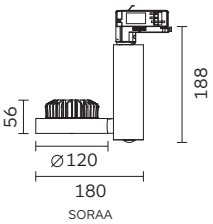
Moto - Ringo 62

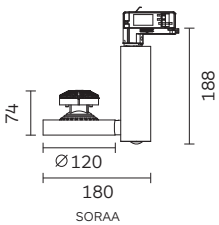




Moto - Ringo 120







Code ordering example: **M629MS22**-**95 30 10 DL 10**

	Product code	Light source code			>CRI	CCT		System power	Delivered lumen	Beam angle (00°)	Driver & Box Type Options D	S		Finish
Moto - Ringo 62	**M629**	**MS22**	SORAA	SLE-16	**95**	**30**	3000K	8.3W	500 lm	**10**	**DL**	**SL**	Laser Dim	**10** ■ Black
						40	4000K		525 lm	**10**	**DC**	**SC**	CASAMBI	**11** □ White
						30	3000K	16.7W	1000 lm	**25 / 36**		**SA**	DALI Dim	
						40	4000K		1050 lm	**25 / 36**	**D1**	**S1**	0 - 10 Dim	
		RS31	SORAA	Vivid MR16	**95**	**30**	3000K	9W	490 lm	**25 / 36**	**DP**	**SP**	Phase	
												SX	DMX	
Moto - Ringo 120	**M625**	**MC33**	Citizen	CLU721	**90**	**30**	3000K	25W	2400 lm	**12 / 25 / 55**				
						40	4000K		2650 lm					
		MS21	SORAA	SLE-30	**95**	**30**	3000K	16.7W	1050 lm	**09 / 25 / 36**				
						40	4000K		1000 lm	**09 / 25 / 36**				
		RS51	SORAA	Vivid AR111	**95**	**30**	3000K	18.5W	1000 lm	/				

Notes:

Tuneable White™ option available upon request and provided with S type box only.
Dim2Warm™ option available upon request.
All CCT available upon request.
Available optical accessories in page 40. For “How to order” please go to page 41.

Lighting by formalighting. Products: Moto-Ringo, Moto-Zero.

Opera Gallery. Hong Kong.

Moto - Ringo Wallwasher

Body

Moto-Ringo Wallwasher, achieves highly uniform vertical downlight wall illumination of excellent light quality distribution with visual comfort. With a 0-90° Tilt and a 0-160° Pan rotation, easily adjustable via the user-friendly MOTOLUX hand-held remote, Bluetooth mesh or DMX protocol via smart phone or tablet.

The luminaire is available with a light head diameter of 120mm.

Light sources

LED Module with built-in reflector .
Tuneable White™ and Dim2Warm™ version available on request.

Emissions

Beam angle according to chosen lamp. Special beam effect can be obtained by the installation of the appropriate accessory.

Accessories

Requires the MOTOLUX Remote Control (M202).
Vast range of Optical accessories available to maximizing the output, minimizing the glare and insure a smooth uniform beam (see page 40 for ordering information)

Driver

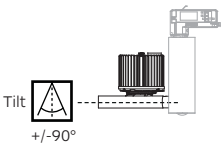
Driver-box inclusive of LaserDim™ (0-100) pre-wired driver 220-240V 50/60Hz (for info about box shape see page 31).
External Dim Options (with additional cost): DALI, 0-10VDC, Phase.

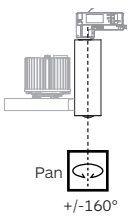
Finish

Black (10), White (11).

Applications

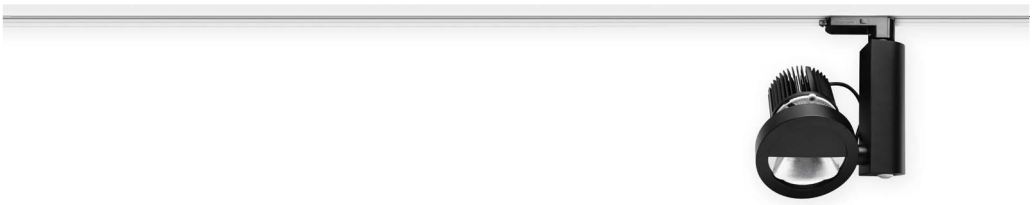
Art & Exhibition, Retail & Commercial, Hospitality & Leisure, Food & Beverage.

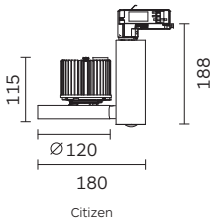




Moto - Ringo Wallwasher

Moto - Ringo Wallwasher





Citizen

Code ordering example: **M628MC33-9030 00DL10**

	Product code	Light source code			>CRI	CCT		System power	Delivered lumen	Beam angle (00°)	Driver & Box Type Options D	S		Finish
Moto - Ringo Wallwasher	**M628**	**MC33**	Citizen	CLU721	**90**	**30**	3000K	19.4W	2170 lm	/	**DL**	**SL**	Laser Dim	**10** ■ Black
						40	4000K		2340 lm		**DC**	**SC**	CASAMBI	**11** □ White
												SA	DALI Dim	
											D1	**S1**	0 - 10 Dim	
											DP	**SP**	Phase	
												SX	DMX	

Notes:

Tuneable White™ option available upon request and provided with S type box only.
Dim2Warm™ option available upon request.
All CCT available upon request.
For “How to order” please go to page 41.

Moto - Zero

Body

A versatile motorised remote controlled track-mounted fixture whose cylindrical light head is available in three different diameter sizes.
Light head and standard control gear case (100 and 66 version) made in die cast aluminium. The movements of the fixture are controlled trough a simple hand-held transmitter. Pointing the remote control laser on the lamp sensor and turning it green, will allow to rotate the fixture +/- 160° through the Pan axis and the light head +/- 90° through the Tilt axis.
The same hand-held remote can control the intensity and the white colour tuning of the light.

Accessories

Requires the MOTOLUX Remote Control (M202).
Vast range of Optical accessories available to maximizing the output, minimizing the glare and insure a smooth uniform beam (see page 40 for ordering information).

Finish

Black (10), White (11).

Light sources

LED Module with built-in reflector or SORAA SLE series. Tuneable White™ and Dim2Warm™ version available on request.

Emissions

Beam angle according to chosen lamp. Special beam effect can be obtained by the installation of the appropriate accessory.

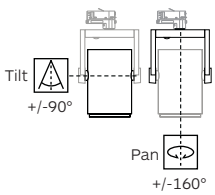
Driver

Moto-Zero 130, inclusive of built-in LaserDim™ driver.
Moto-Zero 100 and Moto-Zero 66, Driver-box inclusive of LaserDim™ (0-100) pre-wired driver 220-240V 50/60Hz.
Other Dim Options (with additional cost): DMX, DALI, 0-10VDC, Phase.

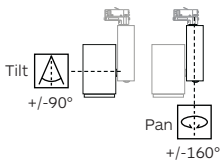
Applications

Art & Exhibition, Retail & Commercial, Hospitality & Leisure, Food & Beverage.

Moto - Zero 130

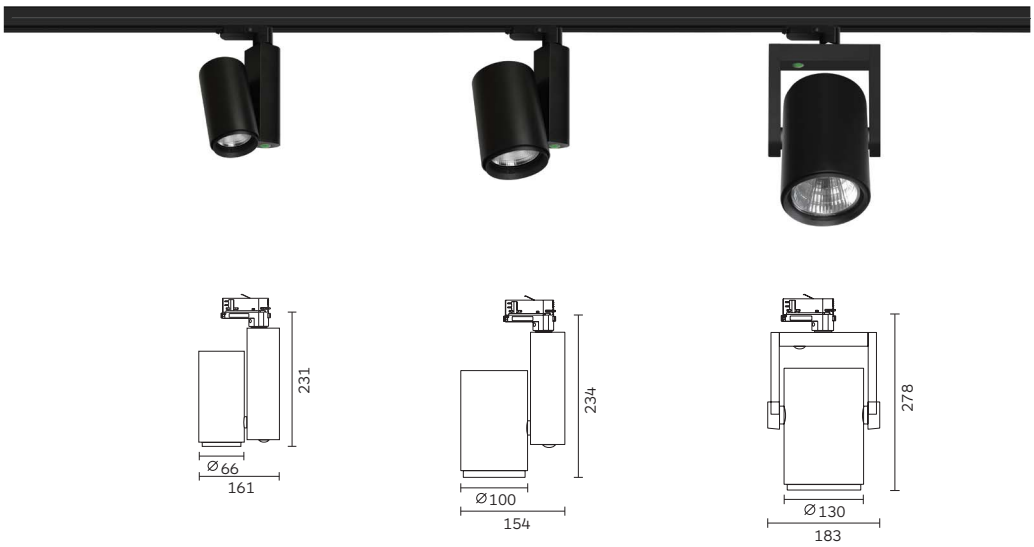


Moto - Zero 100 / 66



Moto - Zero 66 / 100 / 130

Moto - Zero
66 / 100 / 130



Code ordering example: **M621 BC32** - **90 30 15 DL 10**

	Product code	Light source code			>CRI	CCT		System power	Delivered lumen	Beam angle (00°)	Driver & Box Type Options D	S		Finish
Moto - Zero 66*	**M621**	**BC32**	Citizen	CLU711	**90**	**30**	3000K	15W	1135 lm	**15 / 23 / 45**	**DL**	**SL**	Laser Dim	**10** ■ Black
						40	4000K				**DC**	**SC**	CASAMBI	**11** □ White
		BX22	Xicato	Artist	**98**	**27**	2700K	24.3W	1300 lm	**16 / 28 / 38**		**SA**	DALI Dim	
		BX32	Xicato	Beauty	**95**	**27**	2700K	20W	2000 lm	**28 / 35 / 45**	**D1**	**S1**	0 - 10 Dim	
		BX42	Xicato	Designer	**90**	**27**	2700K	17.1W	2000 lm	**28 / 35 / 45**	**DP**	**SP**	Phase	
		MS11	SORAA	SLE-16	**95**	**30**	3000K	8.3W	500 lm	**10 / 25 / 36**		**SX**	DMX	
						40	4000K		525 lm					
					95	**30**	3000K	16.7W	1000 lm	**09 / 25 / 36**				
						40	4000K		1050 lm					
Moto - Zero 100*	**M620**	**BC33**	Citizen	CLU721	**90**	**30**	3000K	37W	3700 lm	**12 / 27 / 55**				
						40	4000K							
		BX26	Xicato	Artist	**98**	**27**	2700K	30.5W	3000 lm	**25 / 36 / 45**				
		BX43	Xicato	Designer	**90**	**27**	2700K	25.7W	3000 lm	**25 / 36 / 45**				
		MS21	SORAA	SLE-30	**95**	**30**	3000K	16.7W	1050 lm	**09 / 25 / 36**				
						40	4000K							
											Driver Options***			
Moto - Zero 130**	**M619**	**BC34**	Citizen	CLU731	**90**	**30**	3000K	50W	4500 lm	**10 / 18 / 42**	**D0**		No Dim	
						40	4000K		4700 lm		**DL**		Laser Dim	
		BX18	Xicato	Standard	**83**	**27**	2700K	41.8W	5000 lm	**20/ 40/ 60**	**DC**		CASAMBI	
											DA		DALI Dim	
											D1		0 - 10 Dim	
											DP		Phase	

Notes:
* Tuneable White™ option available upon request and provided with S type box only.
** Tuneable White™ option available upon request.
Dim2Warm™ option available upon request.
*** Moto-Zero 130 comes with U shape arm as shown in the product image of this page.
All CCT available upon request.

Moto - Polaris

Body

Designed by the acclaimed Italian architect, Franco Mirenzi, an innovative, high brilliance, motorized remote control fixture named after the bright star. Light head and body made in die cast aluminium.
The movements of the fixture are controlled trough a simple hand-held transmitter. Pointing the remote control laser on the lamp sensor and turning it green, will allow to rotate the fixture +/- 160° through the Pan axis and the light head +/- 100° through the Tilt axis.

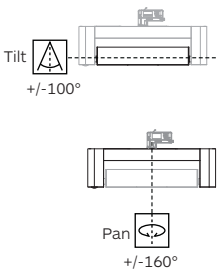
The same hand-held remote can control the intensity and the white colour tuning of the light.

Light sources

8/12 Osram Oslon Square high power led. Tuneable White™ version available on request. The dimerization and the colour tuning of the light can be controlled trough remote control, Bluetooth mesh or DMX protocol via tablet or smart phone.

Emissions

Offer with following beam options: 34°, 50°.



Accessories

Requires the MOTOLUX Remote Control (M202).

Driver

Driver-box Inclusive of LaserDim™ (0-100) pre-wired driver 220-240V 50/60Hz.
Other Dim Options (with additional cost): DMX, DALI, 0-10VDC, Phase.

Finish

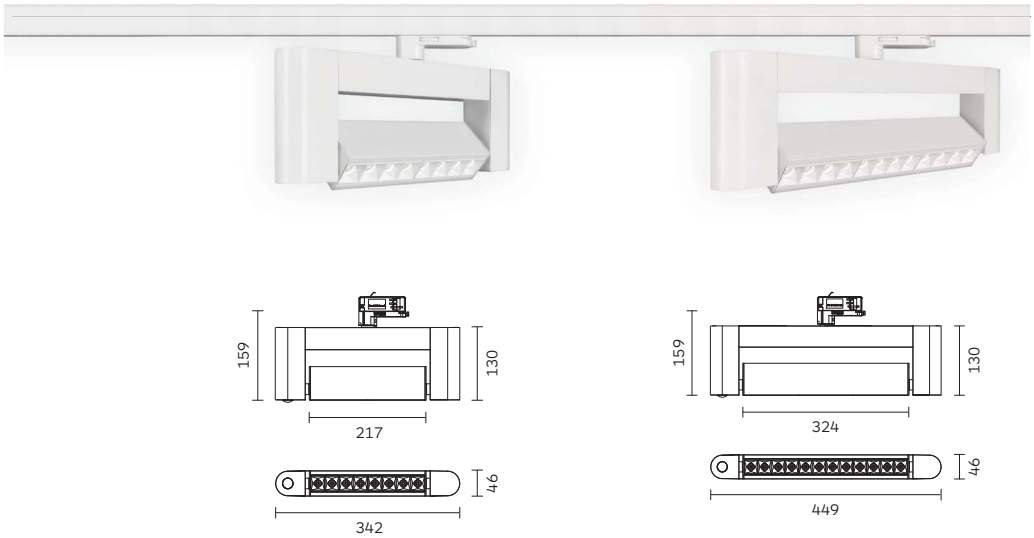
Black (10), White (11).

Applications

Art & Exhibition, Retail & Commercial, Hospitality & Leisure, Food & Beverage.

Moto - Polaris 8 / 12

Moto - Polaris 8 / 12



Code ordering example: **M618B011**-9030 35 DL 10

	Product code	Light source code			>CRI	CCT		System power	Delivered lumen	Beam angle (00°)	Driver Options	Finish
Moto - Polaris 8	**M618**	**B011**	Osram	Oslon S.	**90**	**30**	3000K	16.2W	1376 lm	**35 / 50**	**D0** No Dim	**10** ■ Black
						40	4000K		1616 lm		**DL** Laser Dim	**11** □ White
Moto - Polaris 12	**M617**	**B011**	Osram	Oslon S.	**90**	**30**	3000K	24.4W	2064 lm	**35 / 50**	**DC** CASAMBI	
						40	4000K		2424 lm		**DA** DALI Dim	
											D1 0 - 10 Dim	
											DP Phase	

Notes:

Tuneable White™ option available upon request.
All CCT available upon request.
For “How to order” please go to page 41.

Moto - Ola

Body

Moto-Ola, a chic and alluring light fixture, designed by formalighting's passionate engineers. Light head and control gear case made in die cast aluminium.

The movement of the fixture are controlled trough a simple hand-held transmitter. Pointing the remote control laser on the lamp sensor and turning it green, will allow to rotate the fixture +/- 160° through the pan axis and the light head +/- 100° through the tilt axis.

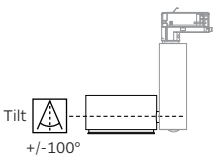
The same hand-held remote can control the intensity and the white colour tuning of the light.

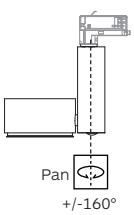
Light sources

12 Cree XPG-3 high power led. Tuneable White™ and Dim2Warm™ version available on request. The dimerization and the colour tuning of the light can be controlled trough remote control, Bluetooth mesh or DMX protocol via tablet or smart phone.

Emissions

Beam angle according to chosen lamp.





Accessories

Requires the Motolux Remote Control (M202).

Driver

Driver-box Inclusive of LaserDim™ (0-100) pre-wired driver 220-240V 50/60Hz.
Other Dim Options (with additional cost): DMX, DALI, 0-10VDC, Phase.

Finish

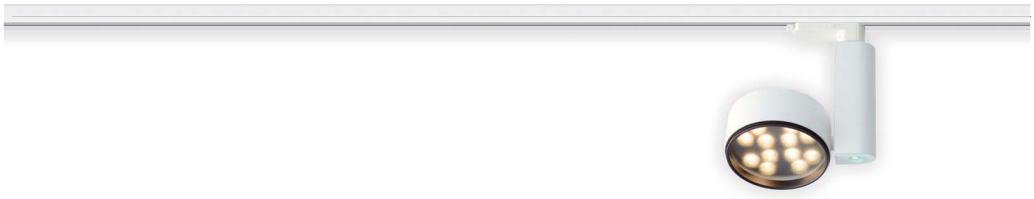
Black (10), White (11).

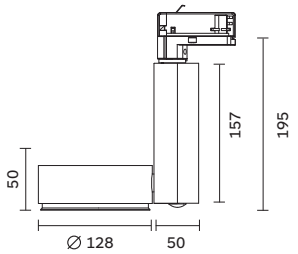
Applications

Art & Exhibition, Retail & Commercial, Hospitality & Leisure, Food & Beverage.

Moto - Ola

Moto - Ola





Code ordering example: **M622 BR11** - **90 30 10 DL 10**

	Product code	Light source code			>CRI	CCT		System power	Delivered lumen	Beam angle (00°)	Driver & Box Type Options D	S		Finish
Moto - Ola	**M622**	**BR11**	CREE	XP-G3	**90**	**30**	3000K	12 x 2W	2700W	**10 / 23 / 46**	**DL**	**SL**	Laser Dim	**10** ■ Black
											DC	**SC**	CASAMBI	**11** □ White
												SD	DALI Dim	
											D1	**S1**	0 - 10 Dim	
											DP	**SP**	Phase	
												SX	DMX	

Notes:

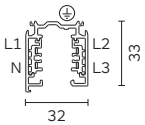
Tuneable White™ option available upon request and provided with S type box only.
Dim2Warm™ option it is not available for this item.
All CCT available upon request.
For “How to order” please go to page 41.

EUROTYPE TRACK SYSTEM

Surface Mounted Track

2089	Length: 1m
2090	Length: 2m
2091	Length: 3m

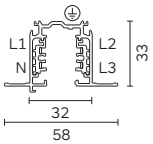
Connection to the 220-250V single-phase mains: 16A overall load, corresponding to 3500/4000 VA over the three circuits.



Flanged Recessed Track

2092	Length: 1m
2093	Length: 2m
2094	Length: 3m

Connection to the 220-250V single-phase mains: 16A overall load, corresponding to 3500/4000 VA over the three circuits.

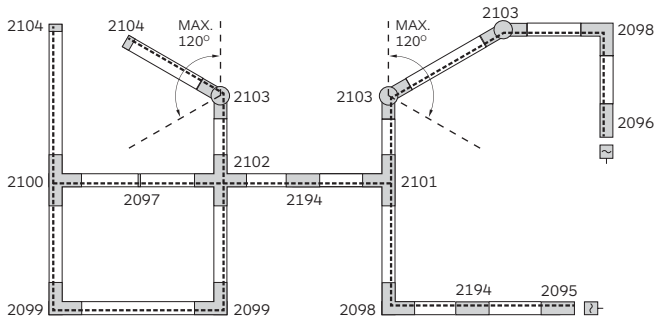


FEATURES SURFACE MOUNTED TRACK / FLANGED RECESSED TRACK

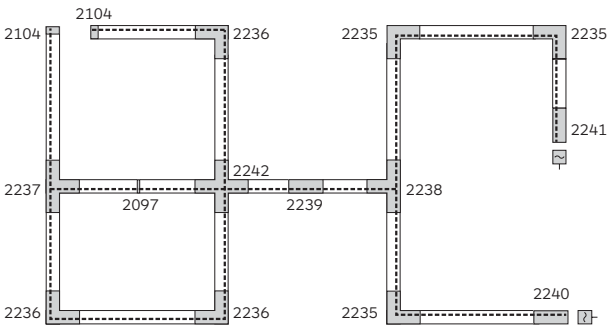
IP20 EN 60570

- Three circuit mains-voltage track system.
- Made of extruded aluminium and fitted with four 16A rolled copper conductors which are housed in extruded black PVC insulators.
- With 3 separately controllable current circuits.
- Also available in Recessed version.
- The system has many accessories that can solve almost all types of lighting installation requirements.
- For surface mounted version, it also has the facility for direct surface mounting through knockouts at 500mm spacing.
- If required, it can be cut to length on site.

Reference Diagram for Choice of Connetors (Surface Mounted Track)



Reference Diagram for Choice of Connetors (Flanged Recessed Track)



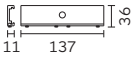
The drawing is Reflected Ceiling View.

Directive Lug on the back of connectors.

Installation Composants

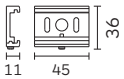
2105 Mechanical Coupier

Available in colours 10, 11, 75.



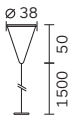
2106 Ceiling Bracket

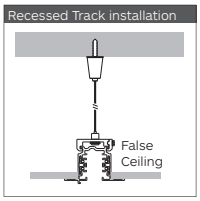
Available in colours 10, 11, 75.



2108 Wire Hanger

Available in colours 10, 11, 75.



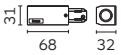


Couplings

2095 Feeder (Right) for Surface track

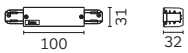
2096 Feeder (Left) for Surface track

Available in colours 10, 11.



2194 Straight Connector for Surface track

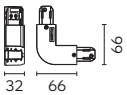
Available in colours 10, 11.



2098 L Connector (Right) for Surface track

2099 L Connector (Left) for Surface track

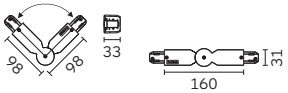
Available in colours 10, 11.



2103 Flexible Connector for Surface track

Available in colours 10, 11.

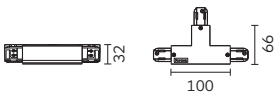
Max. 300° / Min. 60°



2100 T Connector (Right) for Surface track

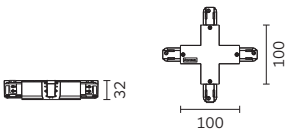
2101 T Connector (Left) for Surface track

Available in colours 10, 11.



2102 X Connector for Surface track

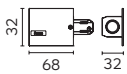
Available in colours 10, 11.



2240 Feeder (Right) for Recessed track

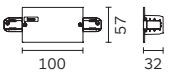
2241 Feeder (Left) for Recessed track

Available in colours 10, 11.



2239 Straight Connector for Recessed track

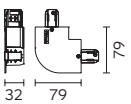
Available in colours 10, 11.

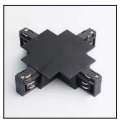


2235 L Connector (Right) for Recessed track

2236 L Connector (Left) for Recessed track

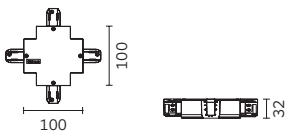
Available in colours 10, 11.





2242 X Connector for Recessed track

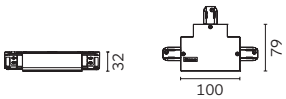
Available in colours 10, 11.



2237 T Connector (Right) for Recessed track

2238 L Connector (Left) for Recessed track

Available in colours 10, 11.

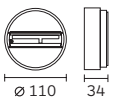


2097 Concealed Connector

For both, Recessed and Surface track.
Available in colours 10, 11.

2049 Ceiling base

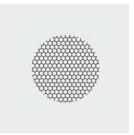
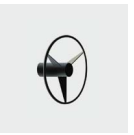
Available in colours 10, 11.



2104 End Cap

For both, Recessed and Surface track.
Available in colours 10, 11.

Optical Accessories

Product / Optical Accessories	Coloured Filters Colours 25, 42, 55, 85	Linear Spread Colour 41	 Honeycomb Louvre Colour 10	 Spill Ring Colour 10	Visor Colour 10	Snoot Colour 10	Directional Flaps Colour 10
Moto - Zero 66	**2A48***	**2A51***	**2A56***	**2A57**	**2A65**	**2A60**	
Moto - Zero 100	**2A47***	**2A50***	**2A53***	**2A56**	**2A64**	**2A59**	**2A62**
Moto - Zero 130	**2A46***	**2A49***	**2A52***	**2A55**	**2A63**	**2A58**	**2A61**
Moto -Ringo 62 / 120	**2A73**	**2A68**	**2334**	**2A55**	**2A83**	**2A89**	

* With holder

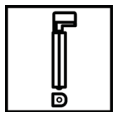
Remote control

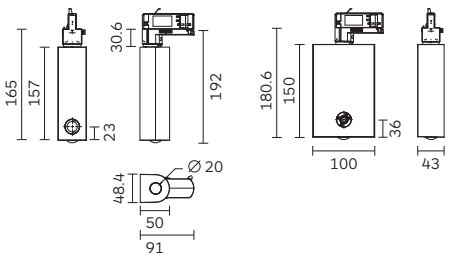
M202	Hand-held Transmiter for Motorized products. Input: 2 x AAA batteries. Laser max. output: <5mW. RF frequency: 4333.92Hz.

Code system

Code ordering example: **M622 BR11** - **90 30 10 SL 10**

- Body colour
- Dimming options & Driver box type
- Beam angle
- CCT-LED Colour temperature
- LED CRI
- Light source code
- Product code

Dimming options	Driver box type options: Type D	Type S
		
Laser Dim	**DL**	**SL**
Dali Dim		**SD**
Phase	**DP**	**SP**
DMX		**SX**
CASAMBI	**DC**	**SC**
0-10 Dim	**D1**	**S1**



LED CRI	
80	CRI > 80
90	CRI > 90
95	CRI > 95

Driver Options		
D0		No dimming
DL	**SL**	Laser Dim
DA	**SA**	Dali Dim
DP	**SP**	Phase
DX	**SX**	DMX
DC	**SC**	CASAMBI
D1	**S1**	0-10 Dim

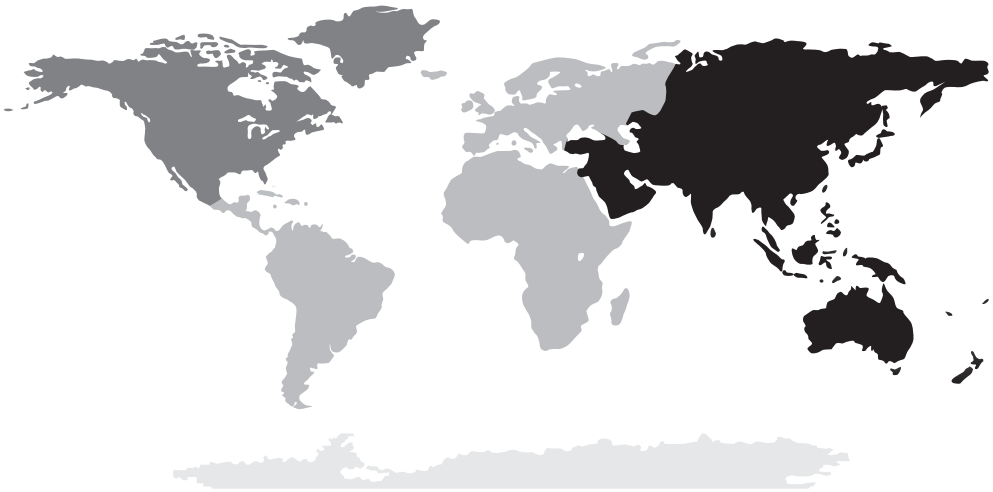
CCT-LED Colour temperature	
27	Warm White 2700K
30	Warm White 3000K
40	Neutral White 4000K
50	Cool White 5000K
DW	Dim2Warm™ 1800-3000K
TW	Tuneable White™ 2700K - 6500K

Body Colour	
10	Black
11	White

How to order

	Product code	Light source code		>CRI	CCT		System power	Delivered lumen	Beam angle (00°)	Driver & Box Type Options D	S		Finish	
Moto - Ola	**M622**	**BR11**	CREE XLamp XPG	**90**	**30**	3000K	12 x 2W	2700W	**10 / 23 / 46**	**DL**	**SL**	Laser Dim	**10**	■ Black
											SC	CASAMBI	**11**	□ White
											SD	DALI Dim		
										D1	**S1**	0 - 10 Dim		
										DP	**SP**	Phase		
											SX	DMX		

Product code	**M622**
Light source code	**BR11**
LED CRI	**90**
CCT-LED colour temperature	**30**
Beam angle	**10**
Dimming & box type options	**SL**
Body colour	**10**



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