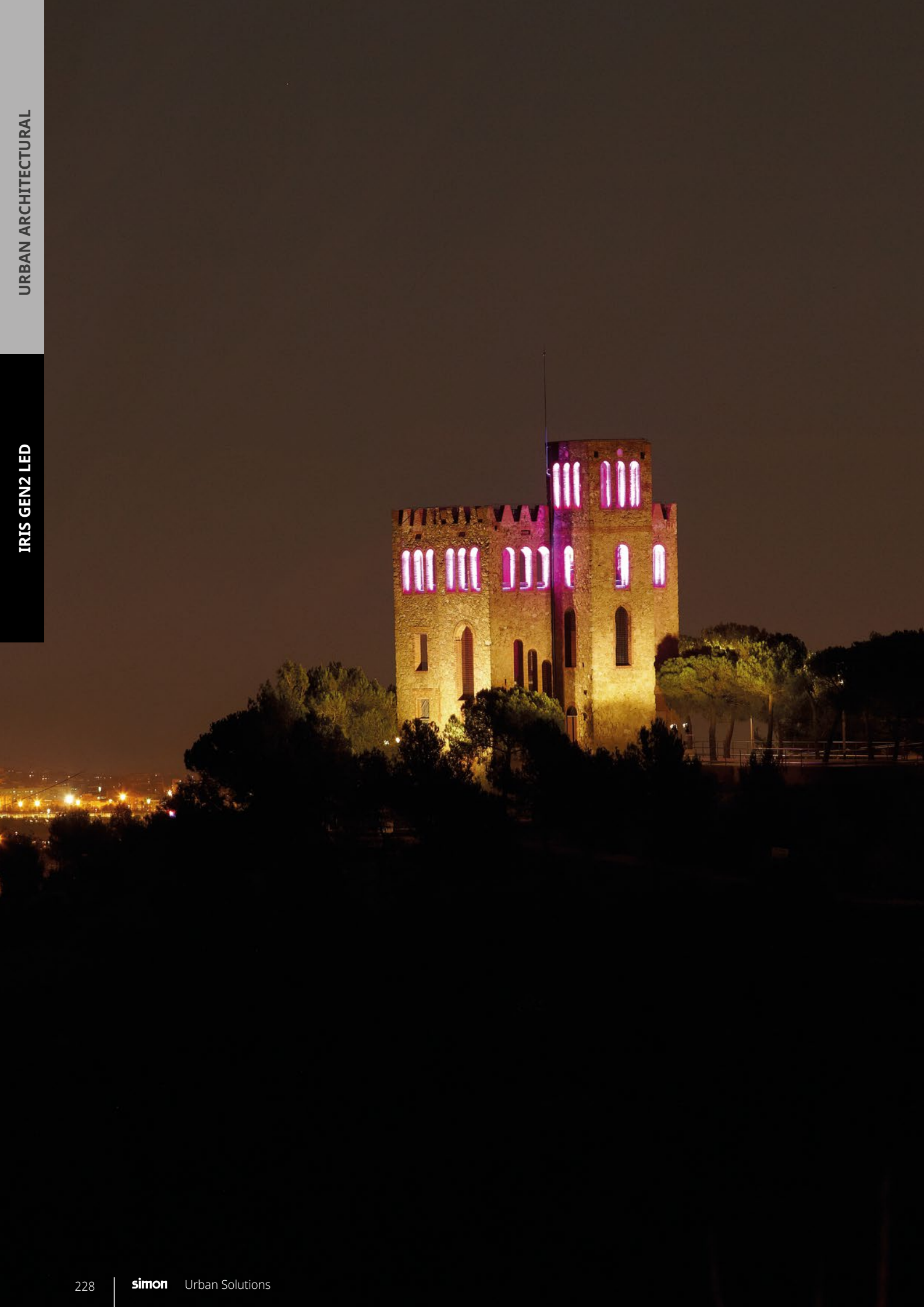


IRIS GEN2 LED

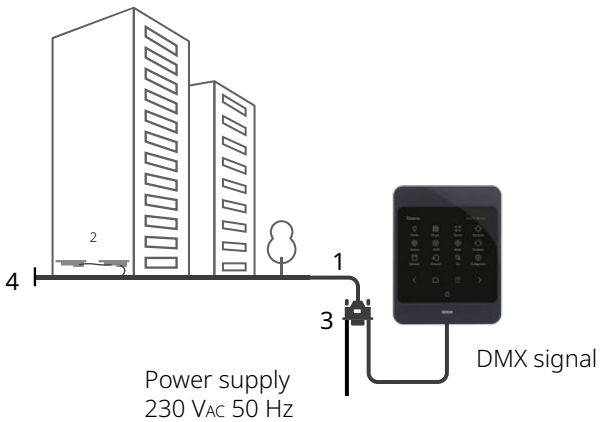
Simon linear spotlight for architectural lighting, with the possibility of installing four colour temperatures, RGB with white light and dynamic white light combined with optics with different apertures and photometric distributions.

Monuments Bridges Façades Signalling

IRIS GEN2 LED
FEATURES

CONNECTIONS DIAGRAM

Installation with maximum 15 Luminaires



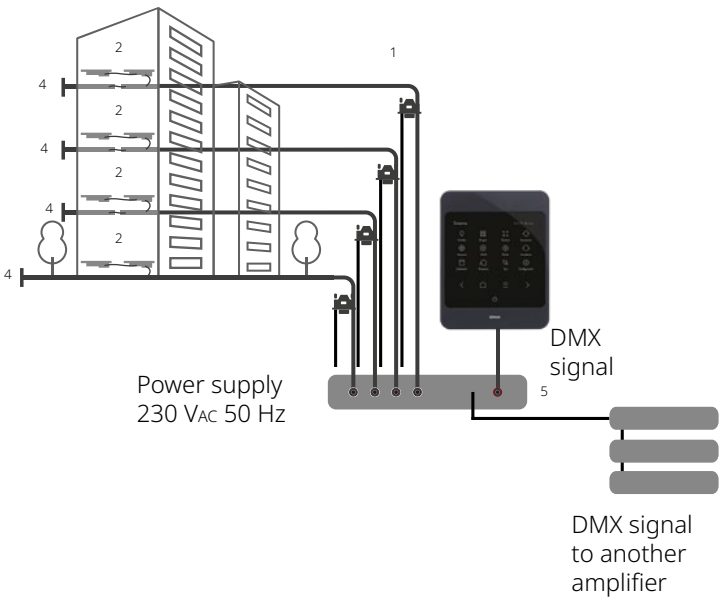
1. Power cable 11-9010-030

2. Extension cable, see codes according to length needed

3. 5-pole connector 11-9060-900. In installations without DMX, use 5-pole connector 11-9060-901

4. IP68 end cap with 120 Ω resistance 11-9050-200

Installation with maximum 15 Luminaires



1. Power cable 11-9010-030

2. Extension cable, see codes according to length needed

3. 5-pole connector 11-9060-901. In installations without DMX, use 5-pole connector 11-9060-901

4. IP68 end cap with 120 Ω resistance 11-9050-200

5. DMX signal splitter and amplifier (not supplied)

TECHNICAL DATA *

Power cable: 3x1.5 mm2 H07rn-F type

DMX signal wire: Belden 3105 A type

Maximum distance from DMX controller to last luminaire 100 m

Maximum distance from DMX controller to amplifier 100 m

Maximum distance from DMX amplifier to last luminaire 100 m

Maximum 15 luminaires per DMX output

For single colour or DALI installation, continue the connection with a maximum of 15 luminaires.

SCENA LIGHTING CONTROL SYSTEMS

Scena is Simon's professional solution for controlling and dimming light, allowing the integration of all customisable functions and the incorporation of new features for creating emotions.
With Scena, you can create unlimited effects by adjusting and configuring all the shades of light, including colour temperature, intensity and saturation, and also create or predefine static or dynamic lighting scenes.

A UNIVERSAL SYSTEM
Scena is compatible with most existing control protocols, which lets it interact with DMX, DALI, 1-10 V, PWM... systems.
EASY CONFIGURATION
Allows easy and intuitive direct programming from the screen. It also has USB input for software updates, as well as new programming and functions.
FAST AND INTUITIVE
Through multiple interfaces that allow continued access and control of all functions.
UNLIMITED APPLICATIONS
It offers virtually unlimited applications in different environments: residential, workspaces, hotels, hospitals... allowing their lighting to be moulded and adapted to all the activities that take place there.

TOTAL LIGHTING CONTROL


Dimming


Colour


Groups


Scenes


Sequences


Constant lighting control


Schedule


Occupation

* Note: Non-compliance with these restrictions can cause the installation to malfunction.

IRIS GEN2 LED

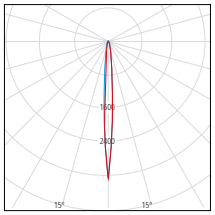
LINEAR SPOTLIGHT LED LUMINAIRE

IP66 | IK10 | Min. 1.8 Kg | Max. 4.6 Kg

COLOUR TEMP: NDM 4,000 K | WDM 3,000 K | SDM 2,700 K | TDL 1,800 K | DDL (1,800 K - 4,000 K) | R3W (RGB + NDM)
COLOUR RENDERING INDEX: > 80 (for 4,000 K, 3,000 K and 2,700 K) | > 70 (for 1,800 K)
UPWARD LIGHT OUTPUT RATIO (ULOR): <1% *
DURATION OF THE LEDS (L80 B10 AT 25 °C): 60,000 h
DURATION OF THE LEDS FOR R3W (L90 B10 AT 25°C): 60,000 h

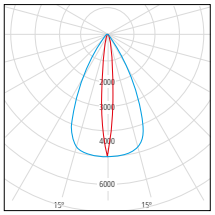
* The value may change depending on the optics used and the angle.

C10 OPTICS



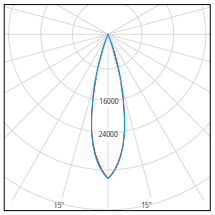
cd/klm n = 100%

EA_ OPTICS



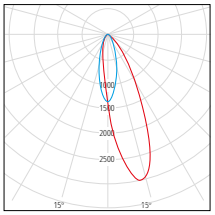
cd/klm n = 100%

C25 OPTICS



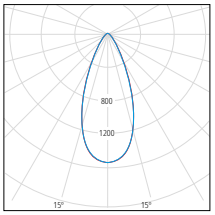
cd/klm n = 100%

A25 OPTICS



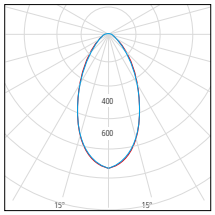
cd/klm n = 100%

C40 OPTICS



cd/klm n = 100%

C60 OPTICS



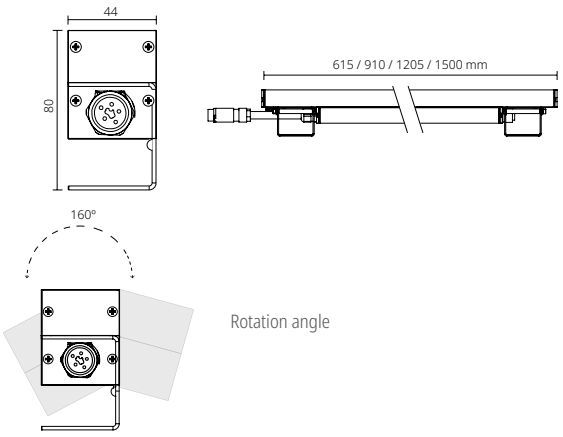
cd/klm n = 100%

— C0 - C180 — C90 - C270 Check other photometric distributions

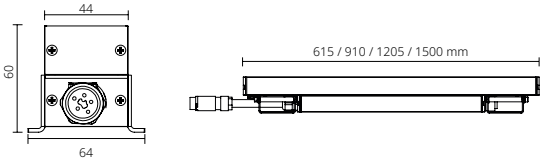
IRIS Gen2 LED linear spotlight, available in four different sizes, with aluminium body and fastening system. Lateral surface-mount fastening with 160° rotation radius, or non-orientable central surface-mount fastening. Flat cover. Easy-clean transparent flat tempered glass diffuser to prevent UV radiation in the optics. **IP66** protection rating for complete luminaire and **IK10** impact resistance rating. Hose wiring system between luminaires with five-pin connectors, upon request according to installation. Possibility of mounting up to six optics. Possibility of three colour temperatures in white light, dynamic white, as well as RGB plus white light. Service life of LED **L90 B10 60,000 hours** for the RGB plus white light model and **L80 B10 60,000 hours** for the white light models. Upward Light Output Ratio (**ULOR**) equal to **0%** (verify according to optics used) with angle from 0º to ± 5º. With **Class I** electronic control gear with 220-240V AC/50 Hz power supply. Optional dimming with DMX 512/RDM for RGB plus white light models and DALI for static and dynamic daylight models. Standard finish in AS colour (aluminium). Possibility of finishes in Simon BK9011 or WH9003 colour. Dimensions for lateral surface-mount models of 44x80x615 mm for size M, 44x80x910 mm for size L, 44x80x1205 mm for size H and 44x80x1500 mm for size E. Dimensions for centre surface-mount models of 64x60x615 mm for size M, 64x60x910 mm for size L, 64x60x1205 mm for size H and 64x60x1500 mm for size E.

DIMENSIONS AND FASTENING SYSTEMS

Model with lateral fastening



Model with central fastening



Weight	Min. 1.8 kg – 600 mm model Max. 4.6 kg – 1,500 mm model

PHYSICAL FEATURES AND MATERIALS

IP	IP66
IK	IK10
Base	Aluminium
Body	Aluminium
Diffuser	Flat transparent tempered glass

FINISHES

Body	AS (aluminium) BK9011 WH9003

ELECTRICAL PARAMETERS AND CONNECTIVITY*

Temp.	-20 °C... +50 °C
Dimming*	**1N (100%)** No dimming for single-colour light models **DALI** For static light and dynamic daylight models **DMX-RDM** For RGB plus daylight neutral model

Luminaires supplied by electrical grid

Supply voltage	220-240 V_{AC}
Frequency	50 Hz
Protection against power surge	-
Power factor (cos φ at max. charge)	≥ 0.95
Luminaire electrical protection	Electronic - Class I

Power according to models**	600mm	900mm	1200mm	1500mm
Static daylight models	38 W	55 W	73 W	91 W
RGB + neutral daylight models	45 W	68 W	90 W	112 W

Supply current	350mA

REGULATIONS AND CERTIFICATES

Luminaire according to: 60598-2-5 / EN 62493 / EN 55015 / EN 61547 / EN 61000-3-2 / EN 50581

Warranty	3 years.
Supply and packaging	Packed in recycled cardboard with an identifying label to protect the product during transport and storage.
Maintenance	Keep the diffuser surface clean to achieve maximum light flux. Use a damp rag without any type of harsh product or detergent. Lubricate the sealing gaskets and replace them when they are cracked over time. Lubricate the closures and/or hinges of the moving parts. Keep the thermal radiation surface clean to ensure proper dissipation and not lose light flux without shortening the life of the LEDs.

* Values corresponding to the current state of technology. ** The luminaire power can vary by around ± 7%.

CONFIGURE YOUR IRIS LED GEN2 LUMINAIRE

Model	Diffuser	Wire	Optics	Colour Temp.	Optical group power	Team	Dimming	Protection	Finish	Description		
IR2MLF										Simon IRIS Gen2 LED Istanium® LED, size M (600 mm), lateral fastening, flat lateral covers with 160° rotation angle		
IR2LLF										Simon IRIS Gen2 LED Istanium® LED, size L (900 mm), lateral fastening, flat lateral covers with 160° rotation angle		
IR2HLF										Simon IRIS Gen2 LED Istanium® LED, size H (1,200 mm), lateral fastening, flat lateral covers with 160° rotation angle		
IR2ELF										Simon IRIS Gen2 LED Istanium® LED, size E (1,500 mm), lateral fastening, flat lateral covers with 160° rotation angle		
IR2MTF										Simon IRIS Gen2 LED Istanium® LED, size M (600 mm), central fastening, flat lateral covers, non-orientable		
IR2LTF										Simon IRIS Gen2 LED Istanium® LED, size L (900 mm), central fastening, flat lateral covers, non-orientable		
IR2HTF										Simon IRIS Gen2 LED Istanium® LED, size H (1,200 mm), central fastening, flat lateral covers, non-orientable		
IR2ETF										Simon IRIS Gen2 LED Istanium® LED, size E (1,500 mm), central fastening, static flat lateral covers, non-orientable		
	GTF									Flat transparent shatter-proof tempered glass diffuser		
		0								Without installation wire (0 m)		
			C10							10° tapered optics		
			C25							25° tapered optics		
			C40							40° tapered optics		
			C60							60° tapered optics		
			EA_							15x55° elliptical optics		
			A25							25° asymmetric optics		
				NDM						Neutral daylight – 4,000 K – CRI > 80		
				WDM						Warm daylight – 3,000 K – CRI > 80		
				SDM						Soft daylight – 2,700 K – CRI > 80		
				TDL						Superior warm daylight - 1,800 K - CRI>70		
				DDL						Dynamic daylight – 1,800 K ~ 4,000 K (with DALI dimming)		
				R3W						RGB + Neutral daylight (with DMX dimming)		
					_38W700					38 W 700 mA	3,738 lm to 3,000 K	Size 600 mm, daylight and dynamic daylight
					_45W500					45 W 500 mA	2,191 lm at R3W	Size 600 mm, RGB + neutral daylight
					_55W700					55 W 700 mA	5,606 lm to 3,000 K	Size 900 mm, daylight and dynamic daylight
					_68W500					68 W 500 mA	3,286 lm at R3W	Size 900 mm, RGB + neutral daylight
					_73W700					73 W 700 mA	7,475 lm to 3,000 K	Size 1,200 mm, daylight and dynamic daylight
					_90W500					90 W 500 mA	4,382 lm at R3W	Size 1,200 mm, RGB + neutral daylight
					_91W700					91 W 700 mA	9,344 lm to 3,000 K	Size 1,500 mm, daylight and dynamic daylight
					112W500					112 W 500 mA	5,479 lm at R3W	Size 1,500 mm, RGB + neutral daylight
						MA23_				Electronic control gear at 230 V_{AC} 50/60 Hz, standard protection against 6 kV power surges		
							1N__			Without dimming (on/off), for static daylight models		
							DALI			Dimming via DALI protocol input, for DDL and static daylight		
							DMX_			Dimming through DMX protocol for R3W		
								C1		Class 1 Luminaire electrical protection		
									AS____	Standard finish in Simon Anodised Grey		
									BK9011	Simon RAL 9011 finish		
									WH9003	Simon RAL 9003 finish		

The luminaire flow output can vary around ± 6% regarding those published according to environmental condition and/or the constant progress that LED technology undergoes.
The luminaire power can vary around ± 7% regarding those published according to environmental condition and/or the constant progress that technology undergoes.

BASE REFERENCES

Power	No. of LEDs	Current	Configuration	Order code
38 W	16	700 mA	IR2MLFGTF0C10NDM_38W700MA23_1N__C1AS____	**11-2211-141**
38 W	16	700 mA	IR2MLFGTF0EA_NDM_38W700MA23_1N__C1AS____	**11-2211-142**
45 W	24	500 mA	IR2MLFGTF0EA_R3W_45W500MA23_DMX_C1AS____	**11-2211-612**
55 W	24	700 mA	IR2LLFGTF0C10NDM_55W700MA23_1N__C1AS____	**11-2311-141**
55 W	24	700 mA	IR2LLFGTF0EA_NDM_55W700MA23_1N__C1AS____	**11-2311-142**
68 W	36	500 mA	IR2LLFGTF0EA_R3W_68W500MA23_DMX_C1AS____	**11-2311-612**
73 W	32	700 mA	IR2HLFGTF0C10NDM_73W700MA23_1N__C1AS____	**11-2411-141**
73 W	32	700 mA	IR2HLFGTF0EA_NDM_73W700MA23_1N__C1AS____	**11-2411-142**
90 W	48	500 mA	IR2HLFGTF0EA_R3W_90W500MA23_DMX_C1AS____	**11-2411-612**
91 W	40	700 mA	IR2ELFGTF0C10NDM_91W700MA23_1N__C1AS____	**11-2511-141**
91 W	40	700 mA	IR2ELFGTF0EA_NDM_91W700MA23_1N__C1AS____	**11-2511-142**
112 W	60	500 mA	IR2ELFGTF0EA_R3W112W500MA23_DMX_C1AS____	**11-2511-612**

ACCESSORIES / REPLACEMENTS

Description	Order code
5-Pole 2 m power cable	**11-9010-030**
1 m extension cable with IP68 connectors	**11-9020-110**
Extension cable for IP68 overhead connectors 1 m (connectors not included)	**11-9080-001**
IP68 5-pole male overhead connector. Allows for customisable extension cables	**11-9060-700**
IP68 5-pole female overhead connector. Allows for customisable extension cables	**11-9060-800**
IP68 end cap with 120 Ω resistance, terminal luminaire required for installations with DMX 512-A	**11-9050-200**

ACCESSORIES / REPLACEMENTS

Description	Order code
IP68 end cap, terminal luminaire, mandatory for single-colour or DALI installations	**11-9050-001**
IP68 5-pole "I" connector without CPU, for single-colour installations, without dimming	**11-9060-901**
IP68 5-pole "Y" connector with CPU, for DMX or DALI controlled installations	**11-9060-900**
DMX router	**11-9102-000**