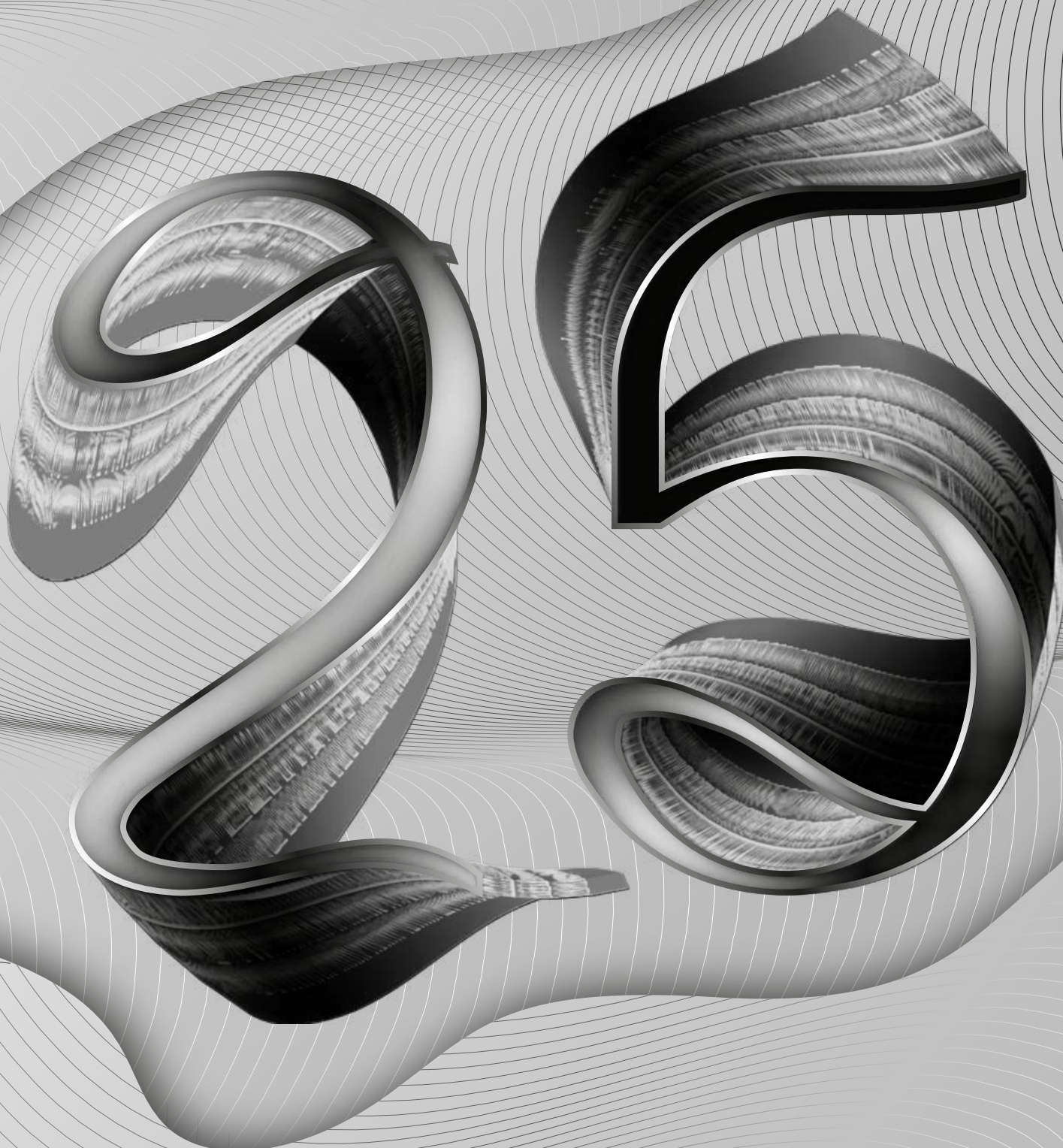
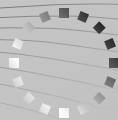




catalogue
I N T I L E D

about us

The INTILED team consists of individuals who are united by a shared vision, a clear understanding of their purpose, and a common approach to why, how and what they aim to achieve:

[our production](#)



why

We are driven by the idea of transforming the nighttime landscapes of cities. Our mission is to craft the architectural and emotional essence of urban spaces after dark, creating enchanting nightscapes, defining landmarks, ensuring safe and clear pathways, and highlighting the unique character of each location. Through light, we aim to forge a deep connection between people and places, leaving lasting impressions and vivid memories.



about us



about us

how

INTILED is a manufacturer with unparalleled expertise, honed over 15 years in the technically demanding yet highly creative field of architectural lighting.

Our team is guided by core human values — honesty, openness, responsibility, and respect for the work of others. These shared principles have enabled us to grow and evolve in the right direction for years.

We approach our work with a comprehensive understanding of the process. To achieve flawless project execution, we recognize the importance of meeting the needs of every professional involved — from architects and lighting designers during the planning phase to service specialists maintaining the finished lighting system. Our role as a lighting system manufacturer is to ensure seamless collaboration and satisfaction at every stage.



about us

what

We specialize in the development and production of not only lighting fixtures but also advanced control systems, including software for lighting design and controls. Every aspect of our product creation is handled in-house, ensuring the highest quality and reliability. We take pride in delivering solutions that professionals trust and return to time and again. No matter the complexity of the lighting challenge or the stage of the project, INTILED is here to provide expert support and innovative solutions. Together, we illuminate the world, one city at a time.



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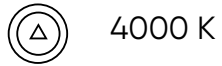
	ready for use
	new
	announcement
	to be discontinued

INTILED symbols

light colours



3000 K



4000 K



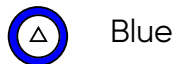
5000 K



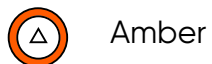
Red



Green



Blue



Amber



RGB



RGBW



RGBA



fullcolor



TW

versions



Marine



Tropical



Arctic



for chlorinated water

technology



ColorPro®



EternalTechnology®



Truelight™



Aquatech™

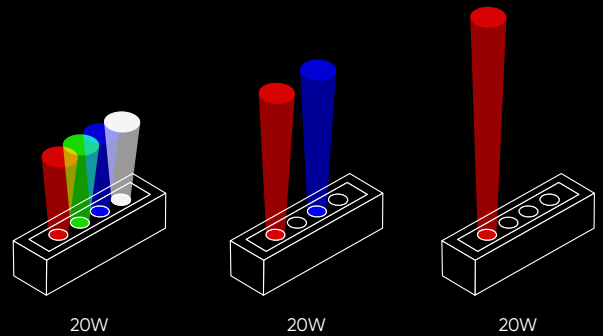
INTILED technologies



ColorPro®

ColorPro® technology is a sophisticated software algorithm integrated into INTILED's multi-channel light fittings. It optimizes the use of the luminaire's available power to deliver peak brightness for individual colors (R, G, B) as well as their combinations, all within the luminaire's total maximum power limit.

Since the luminaire's maximum power remains constant, there is no requirement for extra cables or power supplies in the project design.

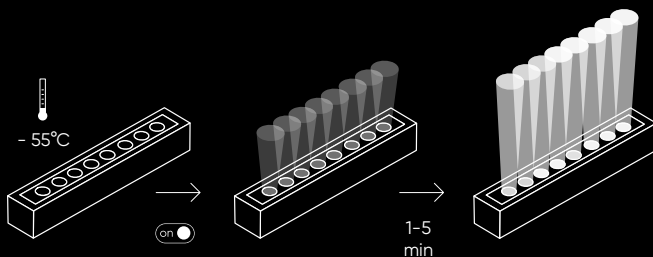


EternalTechnology®

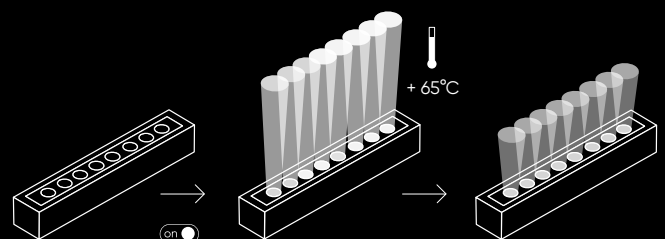
EternalTechnology® is a continuous monitoring of the internal temperature of the lighting fixture.



At low sub-zero temperatures, the luminaire starts up smoothly.



At high positive temperatures, when the components heat up to the set critical temperature, a gradual decrease in brightness occurs.



INTILED technologies



Truelight™

A comprehensive suite of solutions and methodologies designed to deliver flawless lighting effects, irrespective of the colour of the light, the type of optics employed, or the specific design of the luminaire.



Aquatech™

Multi-stage protection technology safeguards luminaires against water ingress, specifically engineered for use in light fixtures with protection ratings ranging from IP66 to IP68.

INTILED configurations

INTILED offers customizable solutions tailored to specific environmental conditions. Luminaires can be ordered in the following specialized versions:



Marine

enhanced protection for coastal areas and bridge structures, featuring additional safeguards against high humidity and vibration loads



Tropical

designed for regions with extreme heat, this version includes protection against high humidity and supports a maximum operating temperature of up to +55°C.



Arctic

northern regions version equipped with a soft start system and glass heating, ideal for cold climates



LACE IP68 series for swimming pools with added protection against chlorinated water



Makarovsky Bridge
Ekaterinburg

how to read product codes

code render for luminaires

ILF21 – 1 W30 – 5CH – 100

–	I INTILED
body	L linear T tubular R radial M matrix
fastening	F on the bracket G inground B recessed
qty LED	X number of LED
power 1 LED	0,3 0,3 W 0,5 0,5 W 1 1 W 2 2 W 3 3 W
glow colour	W(X) white with temperature X00 A amber R red G green B blue RGB separate red, green and blue LED RGBW individual LED of red, green, blue and white colours, where W(X) is white with a temperature of X00 FC full colour with multichip LED W(X)W(Y) white in two temperatures of white light: X00 and Y00 TW tunable white
illumination angle	9a10 asymmetric optics 9a10° 15 optics 15° 15x50 oval optics 15x50°
controls	A digital (DALI) for 230 V AC B digital (DALI) for 230 V AC, 48 V DC C digital (DMX-512) D dimmer (PWM) R DMX-512 + RDM
voltage	H 230 V AC L12 12 V DC L24 24 V DC L48 48 V DC
length	100 100 cm

code render for LACE

LACE	LACE VF - L - W30 - S1E - 100 - IP67 CL24	
bend	V vertical H horizontal 3D combined	
form factor	A 16x15 B 16x15 IP68 C 12x20 D 12x20 IP68 F 30x20 J 30x32 K 50x25 Q 26x21	
power	L low S standard H high	
glow colour	W30 3000 K W40 4000 K W50 5000 K A amber R red G green B blue RGB multichip R+G+B RGBW multichip R+G+B+W TW changeable Tcolour	
cable outlet	S side E end B below	
power cable	1 only left 1R only right 2 both sides	
connector	E available	
length	100 100 cm	
IP	IP65 IP67 IP68	
special features	CL24 DMX-512, 24 V DC CL48 DMX-512, 48 V DC HE increased efficiency of the light source SPI SPI control RAL body colour	

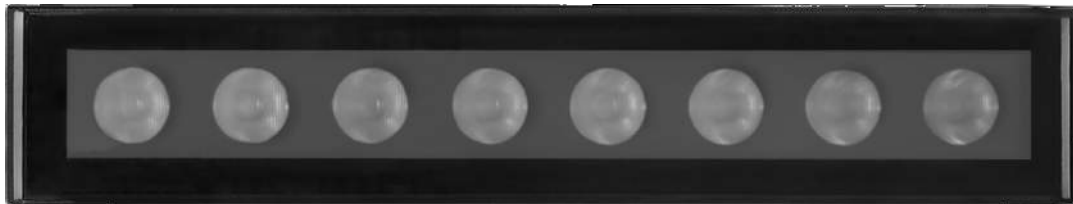
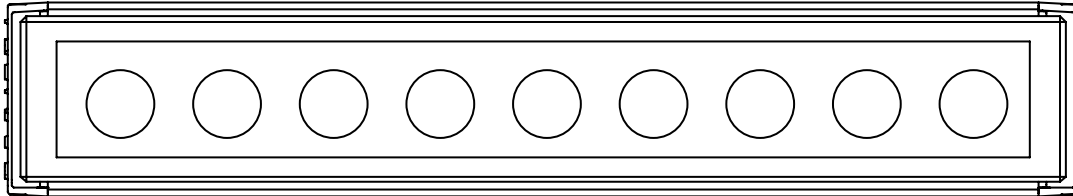


Victory Plaza
Saint Petersburg

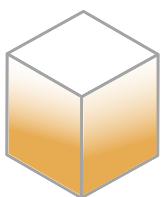
LINE

[more on our website](#)

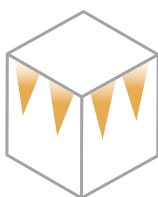
Engineered to address all fundamental architectural lighting challenges, this fixture excels at creating flood, grazing, accent, and even contour lighting effects. Its sleek, minimalist design and ultra-compact size ensure the fixture remains virtually invisible when installed on a façade—you see only the light, not the source.



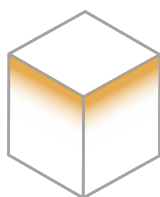
Application



floodlight

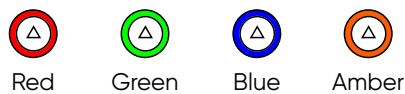
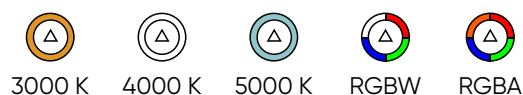


accent



contour

LINE



CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
230 V AC

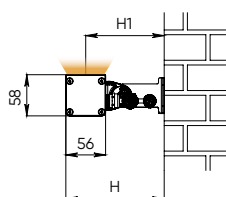
IP66 IK08 

Lifespan
not less than 50 000 hours

 → 
- 40°C + 55°C

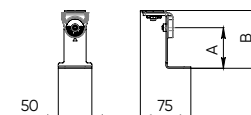
Dimensions and weight

L, cm	weight monochrome/ multichannel, kg
30	1,1/1,1
60	1,8/2,3
90	2,5/3,1
120	3,2/4
150	4,1/5,1



Bracket options

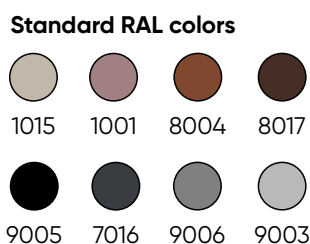
H, mm	H1, mm	A, mm	B, mm
115	85	36	60
140	110	60	85
200	170	120	145
280	250	200	225



Controls, protocols
monochrome: On/Off
multichannel: DMX-512 + RDM

Controls, pixel size
1 luminaire – 1 pixel

Materials
housing – extruded aluminum section, covered with powder paint
protective glass – silicate tempered glass
end caps – aluminum casting alloy, covered with powder paint
bracket – aluminum casting alloy, stainless steel/zinc-plated steel, covered with powder paint
metalware – stainless steel



Standard coating type
moire

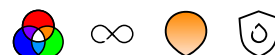
Accessories
brackets
screens

Customization
controls for monochrome DALI, PWM, DMX-512, DMX-512 + RDM
connectors IP68
through-wiring
cable length up to 5m
voltage 12, 24, 48 V DC
product length, light distribution curve, light color, wattage and luminous flux can be customized for a specific project

Available custom versions



Technologies



monochrome

1. Select a model

Serial code	Color	W, max	lm, max	Length, cm
ILF6-1,5	white	12	980	30
	color mono	14	550	
ILF12-1,5	white	21	1950	60
	color mono	25	1100	
ILF18-1,5	white	31	2900	90
	color mono	37	1650	
ILF24-1,5	white	41	3900	120
	color mono	49	2200	
ILF30-1,5	white	51	4850	150
	color mono	62	2750	

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**	Length, cm
ILF6-1,5	W30 W40 W50 R G B A	9a10	not available C	H	30
ILF12-1,5		10a30			60
ILF18-1,5		15			90
ILF24-1,5		30			120
ILF30-1,5		15x50			150
		35x105			
		65			
		125			

* C – protocol DMX-512

**H – supply voltage 230 V AC

multichannel

1. Select a model

Serial code	Color	W, max	lm, max	Length, cm
ILF8-1,5	RGBW	18	630	30
	RGBA	19	530	
ILF16-1,5	RGBW	37	1250	60
	RGBA	37	1100	
ILF24-1,5	RGBW	49	1900	90
	RGBA	50	1650	
ILF32-1,5	RGBW	60	2500	120
	RGBA	62	2150	
ILF40-1,5	RGBW	75	3150	150
	RGBA	77	2700	

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**	Length, cm
ILF8-1,5	RGBW30 RGBW40 RGBW50 RGBA	9a10	C R	H	30
ILF16-1,5		10a30			60
ILF24-1,5		15			90
ILF32-1,5		30			120
ILF40-1,5		15x50			150
		35x105			
		65			
		85			
		125			

* C – protocol DMX-512

R – protocol DMX-512 + RDM

**H – supply voltage 230 V AC

3. Select accessories

Type	Article number*	Extension	Distance from wall, mm
bracket	LINE-01 LINE-01A	036	36
		060	60
		120	120
		200	200
		300	300
		400	400
	LINE-01	550	550
	LINE-02A	500	500
	LINE-03A	060	60
	LINE-04 LINE-04A	020	20

* required 2 brackets for LINE length 300, 600, 900, 1200 mm
 required 3 brackets for LINE length 1500 mm
 LINE-02A – L-shaped
 LINE-03A – vibration-resistant
 LINE-04/LINE-04A – non-rotating
 A – aluminum, stainless steel

Type	Article number*		Height, mm	Length, mm
screen	LINE-01-0	—	50	30
				60
	LINE-02-0			90
				120
				150

* 1 – installation from the street side
 2 – installation from the façade side

Type*	Code	Length, mm
rope	LINE-01-15	15

*rope – for securing the luminaire on the façade



LINE fullcolor

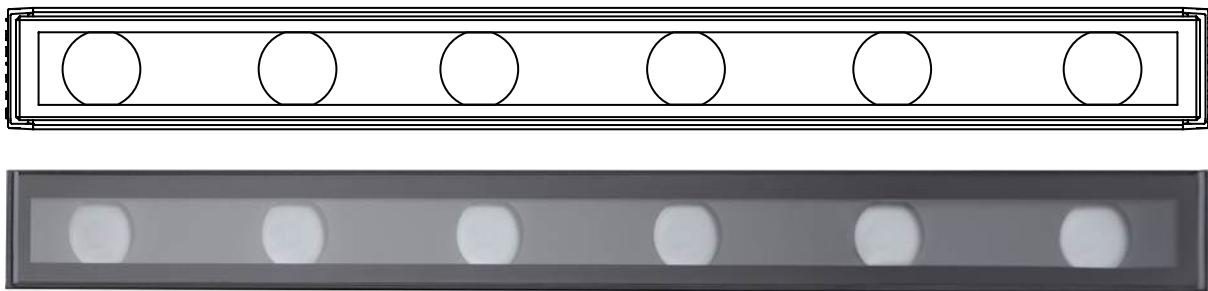


Al Zahia Uptown
Sharjah, UAE

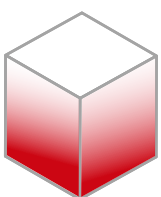
LINE fullcolor

[more on our website](#)

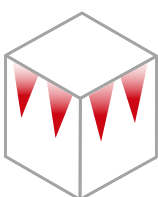
Housed in the iconic compact and stylish LINE design, this lighting solution offers access to over 16 million vibrant, pure colors, empowering you to bring any color imaginable to life. This versatility allows you to transcend the ordinary and elevate your lighting design to extraordinary levels.



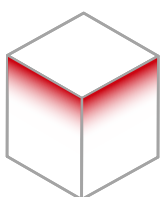
Application



floodlight



accent



contour

LINE fullcolor



fullcolor
(multichip RGBW65)



CRI
≥80 (for white color)

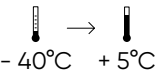
Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
24 V DC (for 30cm version)
230 V AC (for 60, 90, 120 cm version)

IP66 IK08

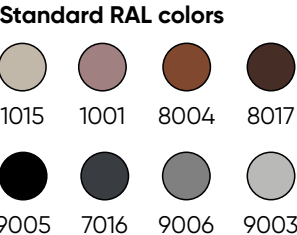
Lifespan
not less than 50 000 hours



Controls, protocols
DMX-512 + RDM

Controls, pixel size
1 luminaire – 1 pixel

Materials
housing – extruded aluminum section, covered with powder paint
protective glass – silicate tempered glass
end caps – aluminum casting alloy, covered with powder paint
bracket – aluminum casting alloy, stainless steel/zink-plated steel, covered with powder paint
metalware – stainless steel



Standard coating type
moire

Accessories
brackets
screens

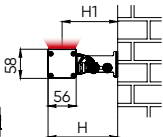
Customization
connectors IP68
through-wiring
cable length up to 5m
voltage: 12, 24, 48 V DC
tunable white (TW) version
product length, light distribution curve, light color, wattage
and luminous flux can be customized for a specific project

Available custom versions

Technologies

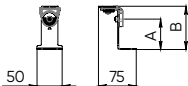


	L, cm	weight, kg
30	30	1,1
	60	2,3
60	90	3,1
	120	4
90	150	5,5
120		
150		



Bracket options

H, mm	H1, mm	A, mm	B, mm
115	85	36	60
140	110	60	85
200	170	120	145
280	250	200	225



LINE fullcolor

1. Select a model

Serial code	W, max	lm, max	Length, cm
ILF3-2	9,5	270	30
ILF6-2	22	550	60
ILF9-2	31	800	90
ILF12-2	39	950	120
ILF15-2	49	1200	150

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**	Length,cm
ILF3-2	FC	—	C R	L24	30
ILF6-2				H	60
ILF9-2					90
ILF12-2					120
ILF15-2					150

* C – protocol DMX-512

R – protocol DMX-512 + RDM

**L24 – supply voltage 24 V DC

H – supply voltage 230 V AC

3. Select accessories

Type	Article number*	Extension	Distance from wall, mm
bracket	LINE-01 LINE-01A	036	36
		060	60
		120	120
		200	200
		300	300
		400	400
	LINE-01	550	550
	LINE-02A	500	500
	LINE-03A	060	60
	LINE-04 LINE-04A	020	20

* required 2 brackets for LINE length 300, 600, 900, 1200 mm

required 3 brackets for LINE length 1500 mm

LINE-02A – L-shaped

LINE-03A – vibration-resistant

LINE-04/LINE-04A – неповоротный

A – aluminum, stainless steel

Type	Article number*		Height, mm	Length, cm
screen	LINE-01-0	—	50	30
				60
				90
	LINE-02-0			120
				150

* 1 – installation from the street side

2 – installation from the façade side

Type*	Code	Length, cm
rope	LINE-01-15	15

*rope – for securing the luminaire on the façade

SLIM

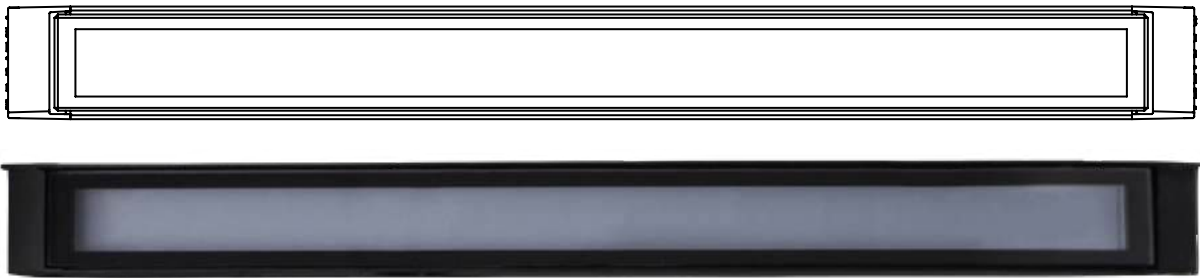


RANEPA
Saint Petersburg

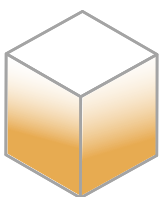
SLIM

[more on our website](#)

Meet SLIM, an ultra-compact addition to the INTILED linear luminaire family. Every detail of SLIM has been meticulously crafted through an intensive development process, resulting in a luminaire with a perfectly refined design and functionality. Built for durability, it ensures reliable performance year after year, in any climate.



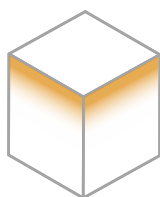
Application



floodlight



accent



contour

SLIM



40x100° 50x90° 60x90° 120°

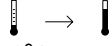
CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Voltage
48 V DC

IP66 IK08 

Lifespan
not less than 50 000 hours


- 40°C + 55°C

Controls, protocols
On/Off, PWM

Controls, pixel size
1 luminaire – 1 pixel

Materials

housing – extruded aluminum section,
covered with powder paint

protective glass – silicate tempered glass

end caps – aluminum casting alloy, covered with powder paint

bracket – aluminum casting alloy, stainless steel/zink-plated
steel, covered with powder paint

metalware – stainless steel

Standard RAL colors



1015 1001 8004 8017



9005 7016 9006 9003

Standard coating type
moire

Accessories

brackets

screens

Customization

controls: DMX-512

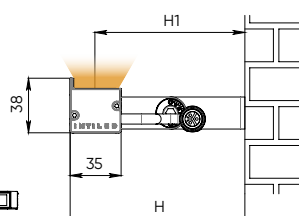
product length, light color, wattage and luminous flux

can be customized for a specific project

Available custom versions

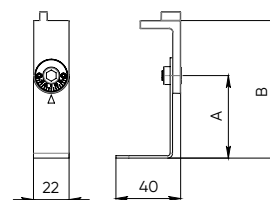


	L, cm	weight, kg
Length, cm	30	0,5
	60	0,9
	90	1,3
	120	1,7



Bracket options

H, mm	H1, mm	A, mm	B, mm
120	105	50	85
170	155	100	135



SLIM

1. Select a model

Serial code	W, max	lm, max	Length, cm
ILF12-0,3	3,4	335	30
ILF25-0,3	7	690	60
ILF38-0,3	11	1050	90
ILF51-0,3	14	1400	120

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**	Length, cm
ILF12-0,3	W30 W40 W50 R G B A	40x100 50x90 60x90 120	D	L48	30
ILF25-0,3					60
ILF38-0,3					90
ILF51-0,3					120

* D – protocol PWM

**L48 – supply voltage 48 V DC

3. Select accessories

Type	Article number*	Distance from the façade to the luminaire center, mm
bracket kit	SLIM-01-50	105
	SLIM-01-100	155
	SLIM-02-60	115

*SLIM-02 – vibration-resistant

Type	Article number	Height, mm	Length, mm
screen	SLIM-05-050-30	50	300
	SLIM-05-050-60		600
	SLIM-05-050-90		900
	SLIM-05-050-120		1200

SLIM fullcolor



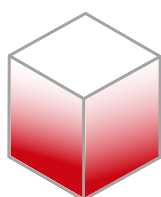
SLIM fullcolor

This ultra-compact linear luminaire delivers exceptional light quality, achieved through a unique blend of advanced optics and multi-chip LED technology.

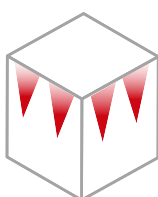
[more on our website](#)



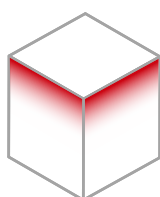
Application



floodlight



accent



contour

 120°

≥80 (for white color)

2 MacAdam ellipses for white,
±3 nm for color LED

48 V DC

not less than 50 000 hours



DMX-512

1 luminaire – 1 pixel

protective glass – silicate tempered glass

1015

1001

8004

8017



9005

7016

9006

9003

moire

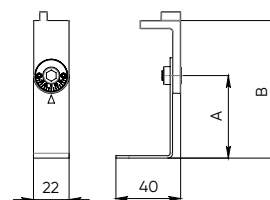
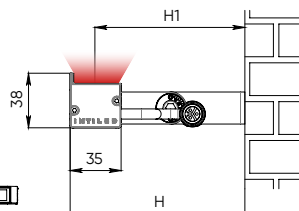
screens

product length, wattage and luminous flux can be customized for a specific project

100%

Length, L

H, mm	H1, mm	A, mm	B, mm
120	105	50	85
170	155	100	135



SLIM fullcolor

1. Select a model

Serial code	W, max	lm, max	Length, cm
ILF3-0,6	5,3	190	30
ILF6-0,6	8,6	390	60
ILF9-0,6	12	580	90
ILF12-0,6	14	770	120

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**	Length, cm
ILF3-0,6	FC	40x100 50x90 60x90 120	C	L48	30
ILF6-0,6					60
ILF9-0,6					90
ILF12-0,6					120

* C – protocol DMX-512

**L48 – supply voltage 48 V DC

3. Select accessories

Type	Article number*	Distance from the façade to the luminaire center, mm
bracket kit	SLIM-01-50	105
	SLIM-01-100	155
	SLIM-02-60	115

Type	Article number	Height, mm	Length, mm
screen	SLIM-05-050-30	50	300
	SLIM-05-050-60		600
	SLIM-05-050-90		900
	SLIM-05-050-120		1200

IntiSLIM

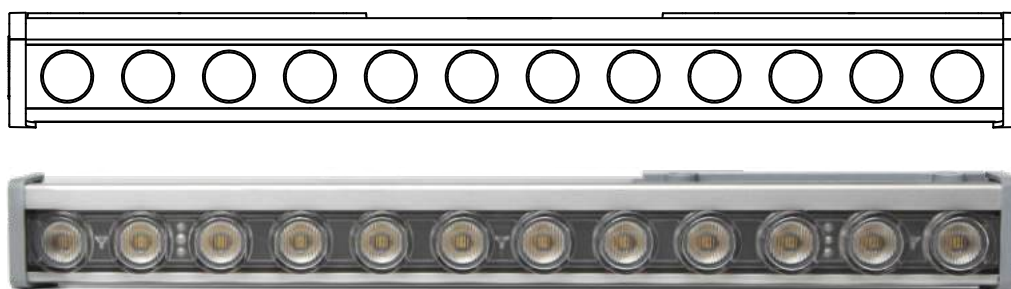


Novatek
Moscow

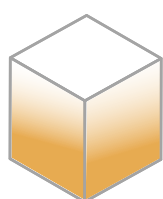
IntiSLIM

A compact linear luminaire designed for seamless flood and contour lighting effects. Perfect for spaces where installation room is limited.

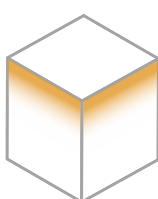
[more on our website](#)



Application

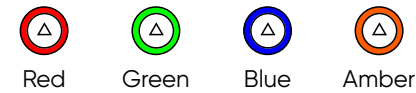


floodlight



contour

IntiSLIM



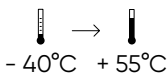
CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Voltage
monochrome: 48 V DC
multichannel: 24 V DC



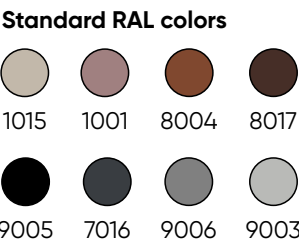
Lifespan
not less than 50 000 hours



Controls, protocols
monochrome: On/Off, PWM
multichannel: DMX-512

Controls, pixel size
1 luminaire – 1 pixel

Materials
housing – extruded aluminum section, covered
with powder paint
protective glass – no
end caps – injection molded polycarbonate
brackets, metalware – stainless steel



Standard coating type
moire

Customization
for monochrome: controls DMX-512, voltage 24 V DC
for multichannel: voltage 48 V DC
cable length up to 5m
product length, light color, wattage and luminous
flux can be customized for a specific project

Available custom versions

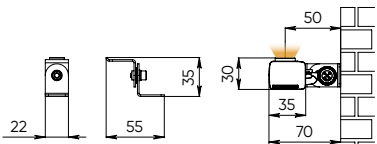


Technologies



Length, L

30		L, cm	weight, kg
60		30	0,4
90		60	0,7
120		90	1,1
150		120	1,4
		150	1,7



IntiSLIM

monochrome

1. Select a model

Serial code	Color	W, max	lm, max	Length, cm
ILF12-0,5	white color mono	6 6	710 465	30
ILF24-0,5	white color mono	12 12	1350 930	60
ILF36-0,5	white color mono	18 19	2050 1350	90
ILF48-0,5	white color mono	25 25	2750 1850	120
ILF60-0,5	white	25	3450	150

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**	Length, cm
ILF12-0,5	W30 W40 W50 R G B A	17 38 45x18	D	L48	30
ILF24-0,5					60
ILF36-0,5					90
ILF48-0,5					120
ILF60-0,5	W30 W40 W50				150

* D – protocol PWM

**L48 – supply voltage 48 V DC

multichannel

1. Select a model

Serial code	W, max	lm, max	Length, cm
ILF12-0,5	6	280	30
LF24-0,5	12	560	60
ILF36-0,5	17	840	90
ILF48-0,5	23	1100	120
ILF60-0,5	29	1400	150

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**	Length, cm
ILF12-0,5	RGB	17 38 45x18	C	L24	30
ILF24-0,5					60
ILF36-0,5					90
ILF48-0,5					120
ILF60-0,5					150

* C – protocol DMX-512

**L24 – supply voltage 24 V DC, additional hardware required

H – supply voltage 230 V AC

3. Select accessories

Type*	Article number	Height, mm	Length, cm
screen	SLIM-01-030-30	3	30
	SLIM-01-030-60		60
	SLIM-01-030-90		90
	SLIM-01-030-120		120
	SLIM-01-030-150		150

* screen – for grazing floodlighting

Type*	Article number	Material*	Distance to wall, mm
bracket	SLIM-03-50	o	50
	SLIM-03A-50	H	
	SLIM-03-200	o	200
	SLIM-03A-200	H	
	SLIM-03A-300	H	300
bracket kit	SLIM-04-57	o	-57
	SLIM-05A-58	H	-58

* o – zink-plated steel

H – stainless steel

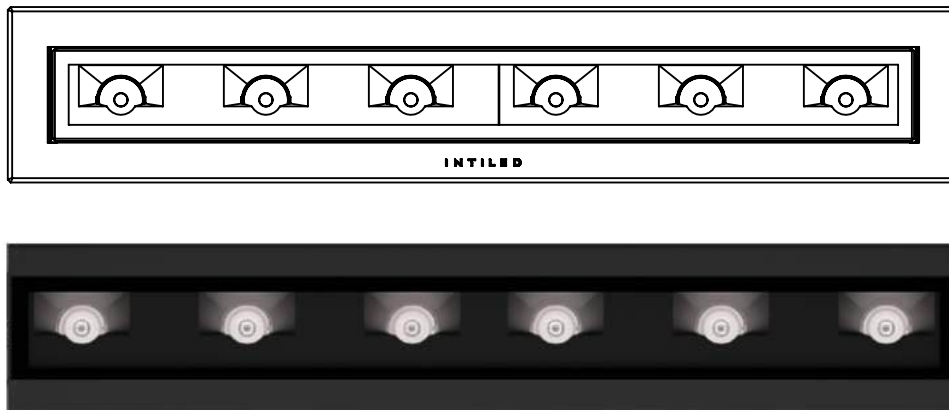
LINEUP



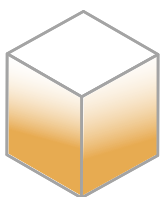
LINEUP

The LINEUP inground linear luminaire is expertly engineered to meet the unique installation and operational challenges of demanding environments. By blending the flexibility of LINE configurations with cutting-edge technology, it boasts a robust, precision-crafted housing designed for seamless ground installation.

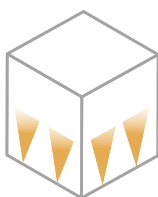
Whether deployed as a continuous light line or as a standalone unit, this luminaire delivers exceptional visual comfort, thanks to its integrated anti-glare grill. The grill's specialized design effectively reduces glare, ensuring optimal performance in any setting.



Application



floodlight



accent

LINEUP



fullcolor
(multichip RGBW50)



2700 K



3000 K



4000 K



5000 K



Red



Green



Blue



Amber



15°



30°



65°



85°



125°



15x50°



35x105°



9x10°



10x30°

CRI

≥80 (for white color)

Color binning

2 MacAdam ellipses for white,
±3 nm for color LED

Voltage

230 V AC

IP67 IK10



Lifespan

not less than 50 000 hours



- 40°C + 55°C

Controls, protocols

monochrome: On/Off, PWM

fullcolor: DMX-512, DMX-512 + RDM

Controls, pixel size

1 luminaire – 1 pixel

Materials

housing – extruded aluminum section

with galvanic coating, covered with powder paint

protective glass – silicate tempered glass, 8 mm thick

end caps – aluminum casting alloy with galvanic coating,
covered with powder paint

mounting curb – extruded polypropylene profile

end caps of the recessed mounting box – stainless steel

decorative frame – polished stainless steel

metalware – stainless steel

Standard RAL colors



1015



1001



8004



8017



9005



7016



9006



9003

Standard coating type

moire

Customization

power supply 12, 24, 48 V DC

controls PWM, DALI, DMX-512, DMX-512 + RDM

different versions of the external decorative frame

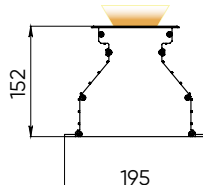
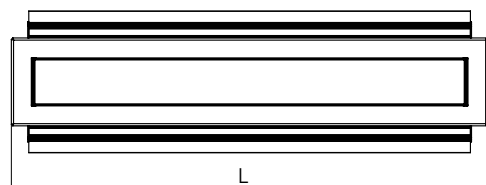
tunable white (TW) version

light distribution curve, product length, light color, wattage and
luminous flux can be customized for a specific project

Available custom versions



Technologies



L, mm	weight, kg
650	10
950	12
1250	14

LINEUP



COMPANY

IntiSTARK big-block

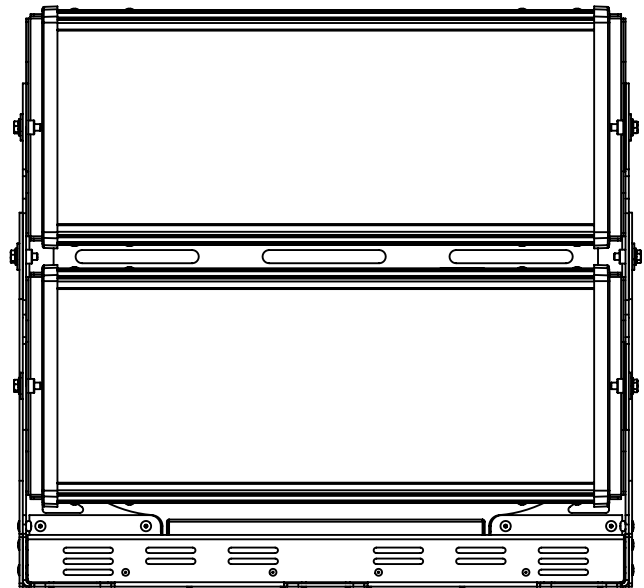


Saint Petersburg Stadium
Saint Petersburg

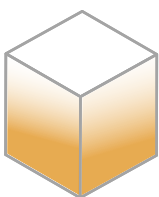
IntiSTARK big-block

[more on our website](#)

This advanced lighting system is designed to illuminate large and super-large structures, including TV towers, skyscrapers, bridges, and monuments. Featuring independent controls of LED clusters, a wide range of secondary optics, and flexible positioning options for LED blocks, it offers unparalleled creative freedom in lighting design. This makes it an ideal solution for developing innovative and customized lighting concepts for even the most complex projects.

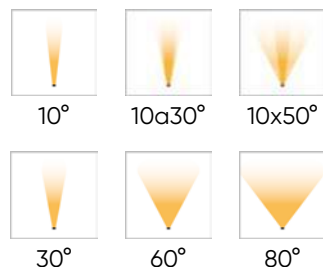
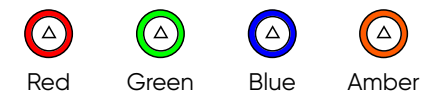


Application



floodlight

IntiSTARK big-block



CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
230 V AC

IP66 IK08 

Lifespan
not less than 50 000 hours

 → 
- 40°C + 55°C

Controls, protocols
monochrome: On/Off
multichannel: DMX-512

Controls, pixel size
1 luminaire – 2 pixel

Materials

housing – extruded aluminum section, covered with powder paint

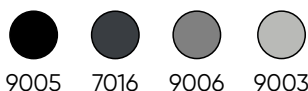
protective glass – silicate tempered glass

end caps – aluminum casting alloy, covered with powder paint

bracket – stainless steel/zink-plated steel, covered with powder paint

metalware – stainless steel

Standard RAL colors



Standard coating type
moire

Accessories
shutters

Customization

controls for monochrome: DALI, PWM, DMX-512 + RDM

connectors IP68

cable length up to 5m

voltage 48 V DC

light distribution curve, light color, wattage and luminous flux can be customized for a specific project

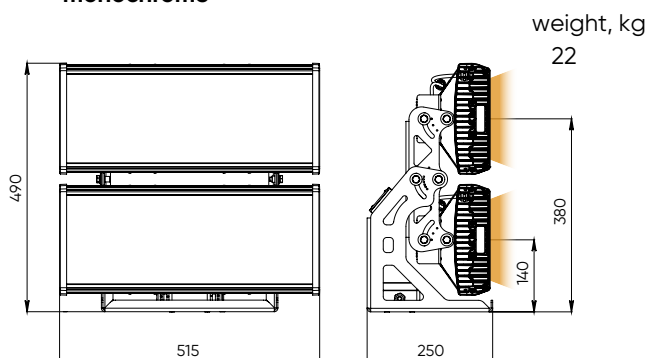
Available custom versions



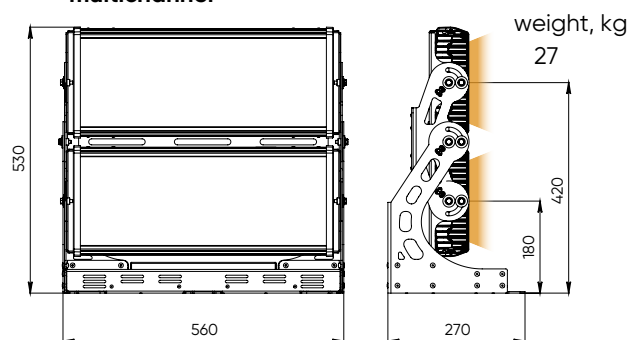
Technologies



monochrome



multichannel



IntiSTARK big-block

monochrome

1. Select a model

Serial code	Color	W, max	lm, max
IMF144-2	white	320	27000
	color mono	340	13000

2. Create an article number

Serial code	Color	Optics	Controls	Supply voltage**
IMF144-2	W30 W40 W50 R G B A	10 10a30 10x50 30 60 80	not available	H

* H – supply voltage 230 V AC

multichannel

1. Select a model

Serial code	Color	W, max	lm, max
IMF196-2	RGBW	370	1

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF196-2	RGBW30 RGBW40 RGBW50	10 10a30 10x50 30 60 80	C	H

* C – protocol DMX-512

**H – supply voltage 230 V AC

3. Select accessories

Type*	Article number	Category	Height, mm	Spacing grid, mm
shutters	PP STARK-04-030-50-30	transverse	30	30
	PP STARK-04-060-50-30		60	
	PR STARK-02-060-50-30	longitudinal	60	

* shutters – glare protection

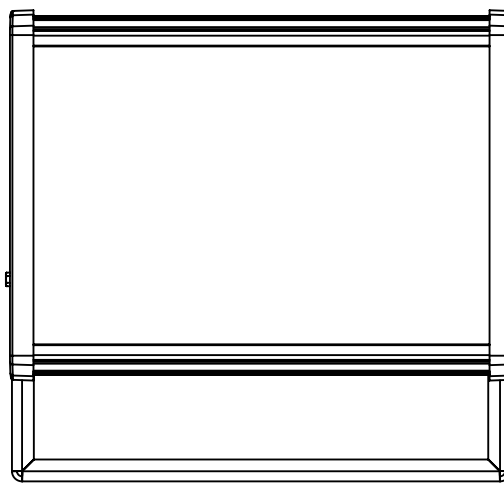


Barnaya Liniya, Sevkabel Port
Saint Petersburg

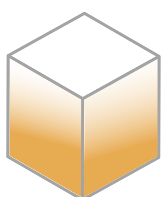
IntiSTARK

[more on our website](#)

This series is specifically designed for flood architectural lighting. It features versatile options, including controllable two-channel spotlights with adjustable white light temperature, as well as three-, four-, and five-channel models, offering flexibility and precision for a wide range of lighting applications.

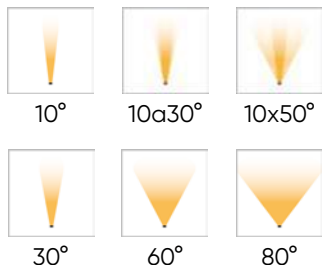
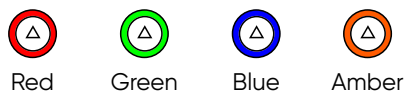


Application



floodlight

IntiSTARK



CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
230 V AC

IP66 IK08 

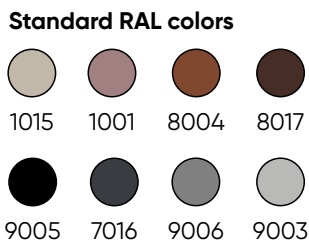
Lifespan
not less than 50 000 hours

 → 
- 40°C + 55°C

Controls, protocols
monochrome: On/Off
multichannel: DMX-512

Controls, pixel size
1 luminaire – 1 pixel

Materials
housing – extruded aluminum section with galvanic coating
end caps – aluminium alloy
protective glass – silicate tempered
brackets – zinc chrome steel, powder-coated
in the housing color
metalware – stainless steel



Standard coating type
moire

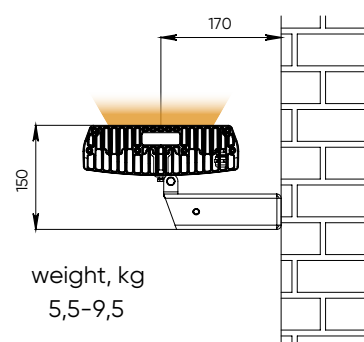
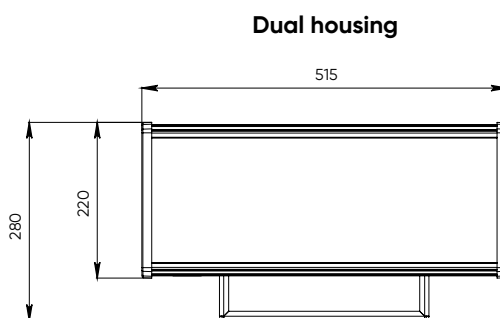
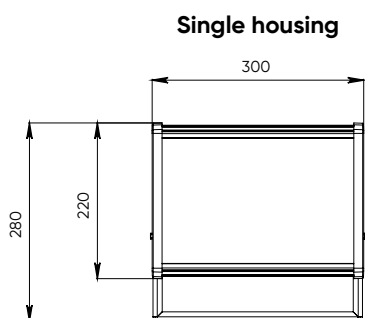
Accessories
shutters
screens

Customization
controls for monochrome: DALI, PWM, DMX-512 + RDM
connectors IP68
cable length up to 5m
voltage 24, 48 V DC
tunable white (TW) version
light distribution curve, light color, wattage and luminous flux
can be customized for a specific project

Available custom versions



Technologies



IntiSTARK

monochrome

1. Select a model

Serial code	Color	W, max	lm, max	weight, kg
IMF24-1	white	26	2300	5,5
	color mono	27	1500	
IMF24-2	white	54	4300	6,5
	color mono	57	2300	
IMF36-2	white	81	6500	6,5
	color mono	85	3500	
IMF72-2	white	161	12800	9,5
	color mono	170	6900	

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF24-1	W30 W40 W50 R G B A	10 10a30 10x50 30 60 80	not available	H
IMF24-2				
IMF36-2				
IMF72-2				

* H – supply voltage 230 V AC

multichannel

1. Select a model

Serial code	Color	W, max	lm, max	weight, kg
IMF36-1	RGB	41	1400	5,5
IMF36-2	RGB	68	2000	6,5
IMF72-2	RGB	135	4000	9,5
IMF49-2	RGBW	93	3900	6,5
IMF98-2	RGBW	185	7800	9,5

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF36-1	RGB	10 10a30 10x50 30 60 80	C	H
IMF36-2				
IMF72-2				
IMF49-2	RGBW30 RGBW40 RGBW50			
IMF98-2				

* C – protocol DMX-512

**H – supply voltage 230 V AC

3. Select accessories

Type*	Article number	Category	For the version	Height, mm	Spacing grid, mm
shutters	PP STARK-04-030-30-30	transverse	IMF24, IMF49	30	30
	PP STARK-04-060-30-30			60	
	PP STARK-04-030-50-30		IMF72, IMF98	30	
	PP STARK-04-060-50-30			60	
	PR STARK-02-060-30-30	longitudinal	IMF24, IMF49	60	
	PR STARK-02-060-50-30		IMF72, IMF98	60	

* shutters – glare protection

Type*	Article number	Material	For the version	Height, mm	Length, mm
screen	STARK-02-100-30	zink-plated steel	IMF24, IMF49	100	30
	STARK-02A-100-30	stainless steel			

* screen – for grazing floodlighting

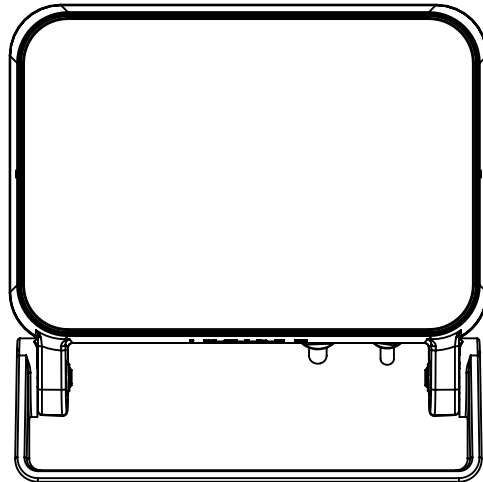


The Kremlin museum complex
Suzdal

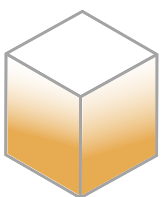
BOX

A versatile family of floodlights designed for both flood and accent lighting of façades, this series integrates all of INTILED's advanced technical solutions into a perfectly balanced and streamlined housing.

[more on our website](#)



Application

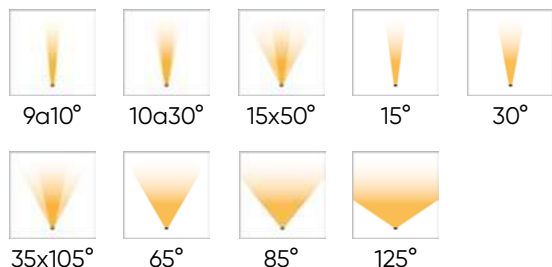
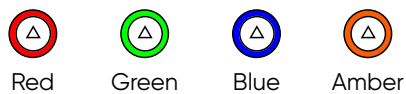
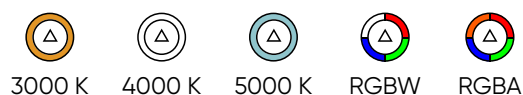


floodlight



accent

BOX



CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
230 V AC

IP66 IK09

Lifespan
not less than 50 000 hours

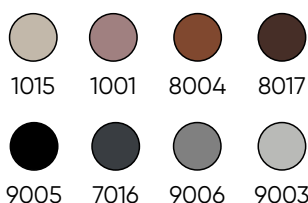
→
- 40°C + 55°C

Controls, protocols
monochrome: On/Off
multichannel: DMX-512 + RDM

Controls, pixel size
1 luminaire – 1 pixel

Materials
housing, bracket – aluminum casting alloy, covered
with powder paint
protective glass – silicate tempered
metalware – stainless steel

Standard RAL colors



Standard coating type
moire

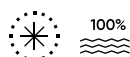
Accessories

brackets
screens
tubes
louvres

Customization

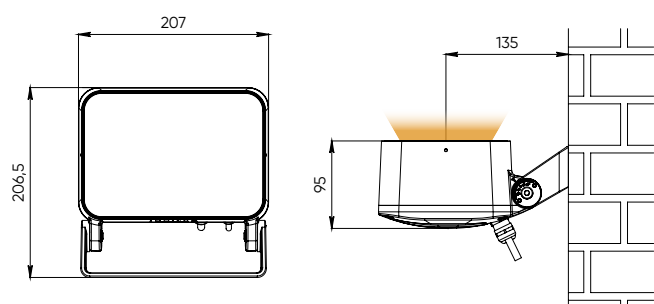
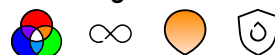
controls for monochrome DALI, PWM,
DMX-512, DMX-512 + RDM
connectors IP68
cable length up to 5m
voltage 24, 48 V DC
light distribution curve, light color, wattage and luminous flux
can be customized for a specific project

Available custom versions



100%

Technologies



weight
monochrome/
multichannel, kg
3/3,6

monochrome

1. Select a model

Serial code	Color	W, max	lm, max
IMF24-2	white	50	4400
	color mono	50	3500
IMF12-2	white	30	2200
	color mono	30	1750

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF24-2	W30	9a10	not available	H
	W40	10a30		
	W50	15x50		
	R	15		
	G	30		
	B	35x105		
	A	65		
		85		
		125		

* H – supply voltage 230 V AC

multichannel

1. Select a model

Serial code	Color	W, max	lm, max
IMF24-2	RGBW	30	960
	RGBA	30	960

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF24-2	RGBW30	9a10	R	H
	RGBW40	10a30		
	RGBW50	15x50		
	RGBA	15		
		30		
		35x105		
		65		
		85		
		125		

* R – DMX-512 + RDM

**H – supply voltage 230 V AC

3. Select accessories

Type*	Article number	Height, mm
screen	BOX-01-050	50
	BOX-01-070	70
	BOX-01-100	100
tube	BOX-02-090	90
	BOX-02-140	140

* screen – for grazing floodlighting
tube – for lighting of spatial structures

Type*	Article number	Cells	Height, mm
louver	BOX-02-050	2x3	50
	BOX-01-030	4x5	30

* louver – for floodlighting from supports, for optics 10° and 30°

Type*	Article number	Category	Holes
bracket	BOX-01-100	swivel	1
	BOX-02-100	swivel	2
	BOX-03-75	static	2

BOX fullcolor

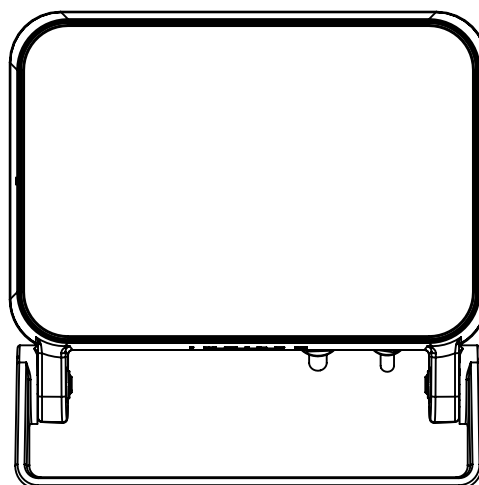


BOX fullcolor

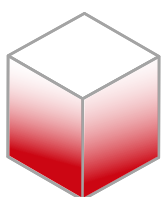


This family of spotlights is crafted for dynamic flood and accent lighting of façades, seamlessly incorporating all of INTILED's cutting-edge technical innovations into a meticulously balanced and compact design.

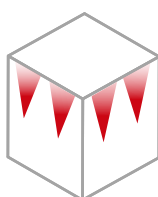
[more on our website](#)



Application



floodlight



accent

BOX fullcolor



fullcolor
(multichip RGBW65)



15°



15x60°



30°



60°



125°

CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
230 V AC

IP66 IK09

Lifespan
not less than 50 000 hours

→
- 40°C + 55°C

Controls, protocols
DMX-512, DMX-512 + RDM

Controls, pixel size
1 luminaire – 1 pixel

Materials
housing, bracket – cast aluminum
protective glass – tempered glass

Standard RAL colors



1015



1001



8004



8017



9005



7016



9006



9003

Standard coating type
moire

Accessories

brackets
screens
tubes
louvers

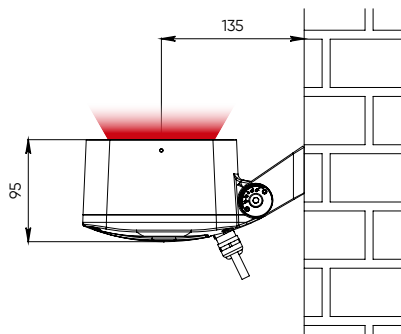
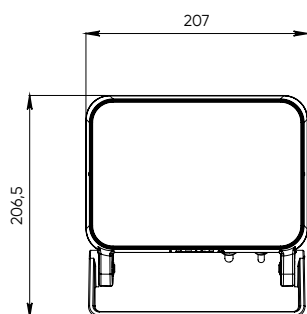
Customization
connectors IP68
cable length up to 5m
voltage: 12, 24, 48 V DC
tunable white (TW) version
wattage and luminous flux can be customized
for a specific project

Available custom versions



100%

Technologies



weight, kg
3,6

BOX fullcolor

1. Select a model

Serial code	W, max	lm, max
IMF10-2	50	1200
IMF5-2	30	600

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF10-2	FC	15 15x60 30 60 125	R	H
IMF5-2				

* R – protocol DMX-512 + RDM

**H – supply voltage 230 V AC

3. Select accessories

Type*	Article number	Height, mm
screen	BOX-01-050	50
	BOX-01-070	70
	BOX-01-100	100
tube	BOX-02-090	90
	BOX-02-140	140

* screen – for grazing floodlighting

tube – for lighting of spatial structure

Type*	Article number	Cells	Height, mm
louver	BOX-02-050	2x3	50
	BOX-01-030	4x5	30

* louver – for floodlighting from supports, for optics 10° and 30°

Type*	Article number	Category	Holes
bracket	BOX-01-100	swivel	1
	BOX-02-100	swivel	2
	BOX-03-75	static	2

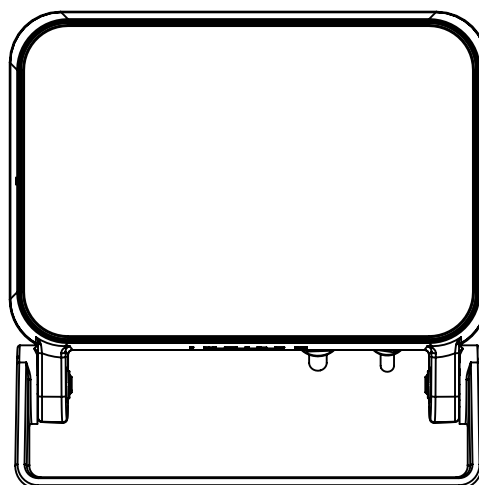


BOX fullcolor

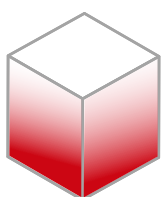


This family of spotlights is crafted for dynamic flood and accent lighting of façades, seamlessly incorporating all of INTILED's cutting-edge technical innovations into a meticulously balanced and compact design.

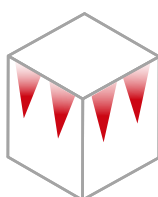
[more on our website](#)



Application



floodlight



accent

BOX-duo



fullcolor
(multichip RGBW65)



• 15°
• 54°

CRI

≥80 (for white color)

Color binning

2 MacAdam ellipses for white,
±3 nm for color LED

Power factor

>0,9

Voltage

230 V AC

IP66 IK09



Lifespan

not less than 50 000 hours

→
- 40°C + 55°C

Controls, protocols

DMX-512 + RDM

Controls, pixel size

1 luminaire – 2 pixel

Materials

housing, bracket – aluminum casting alloy, covered
with powder paint

protective glass – silicate tempered

metalware – stainless steel

Standard RAL colors



1015



1001



8004



8017



9005



7016



9006



9003

Standard coating type

moiré

Accessories

brackets

screens

Customization

controls DMX-512

connectors IP68

cable length up to 5m

voltage 48 V DC

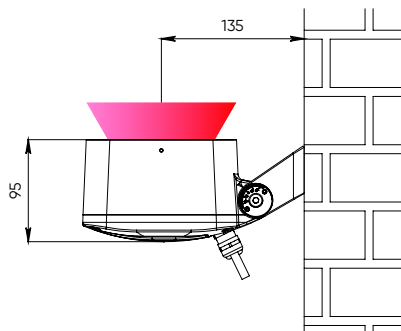
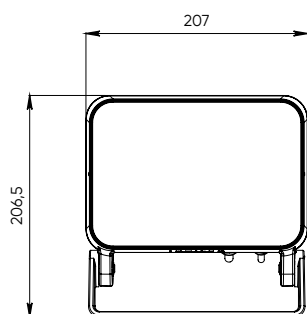
wattage and luminous flux can be customized
for a specific project

Available custom versions



100%
≈

Technologies



weight, kg
3,7

1. Select a model

Serial code	W, max	lm, max
IMF10-2	57	1250

2. Create an article number

Serial code	Color		Optics	Controls*	Supply voltage**
IMF10-2	FC	–	15+54	R	H

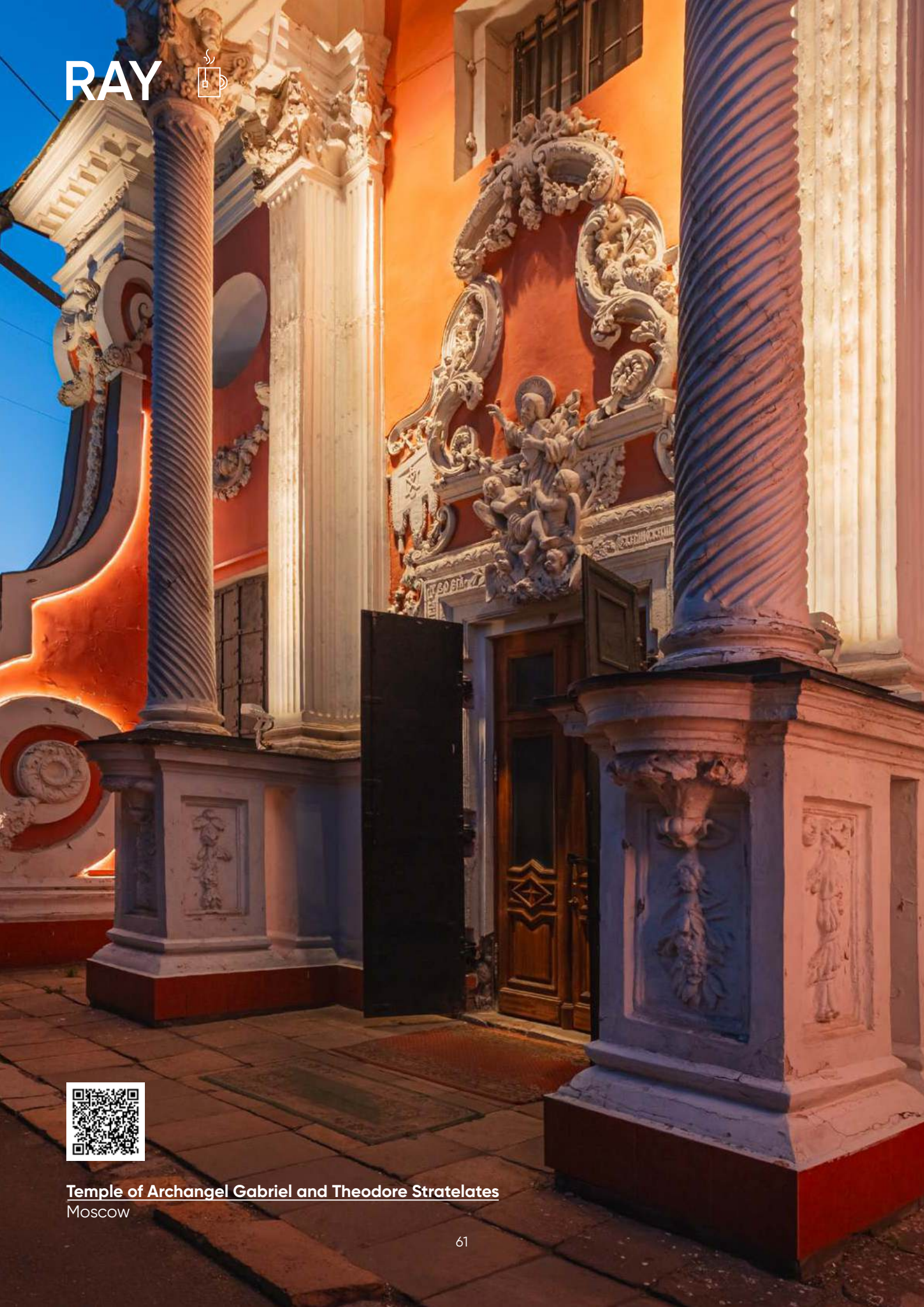
* R – protocol DMX-512 + RDM
**H – supply voltage 230 V AC

3. Select accessories

Type*	Article number	Category	Holes
bracket	BOX-01-100	swivel	1
	BOX-02-100	swivel	2
	BOX-03-75	static	2

Type*	Article number	Height, mm
screen	BOX-01-050	50
	BOX-01-070	70
	BOX-01-100	100

* screen – for grazing floodlighting

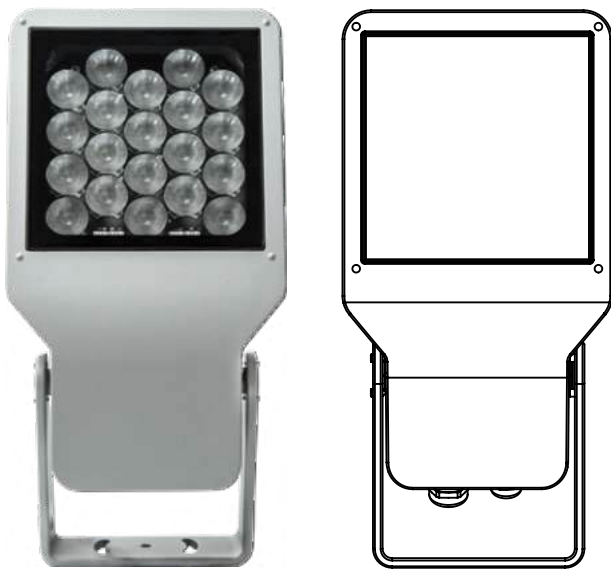


Temple of Archangel Gabriel and Theodore Stratelates
Moscow

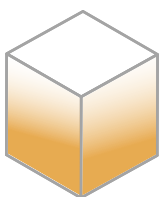
RAY

A timeless mid-power floodlight that delivers exceptional performance within an ultra-compact design.

[more on our website](#)



Application

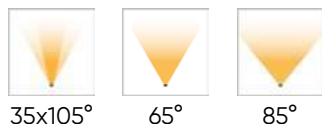
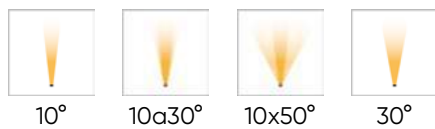
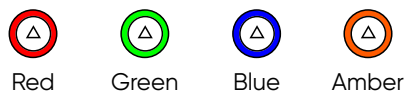


floodlight



accent

RAY



CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
230 V AC

IP65 IK09 

Lifespan
not less than 50 000 hours

 → 
- 40°C + 55°C

Controls, protocols

monochrome: On/Off
multichannel: DMX-512 + RDM, DMX-512

Controls, pixel size

1 luminaire – 1 pixel

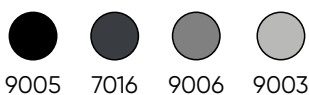
Materials

housing, bracket – aluminum casting alloy, covered
with powder paint

protective glass – silicate tempered glass

metalware – stainless steel

Standard RAL colors



Standard coating type

moire

Accessories

brackets
screens

Customization

controls for monochrome PWM, DMX-512, DMX-512 + RDM
connectors IP68

cable length up to 5m

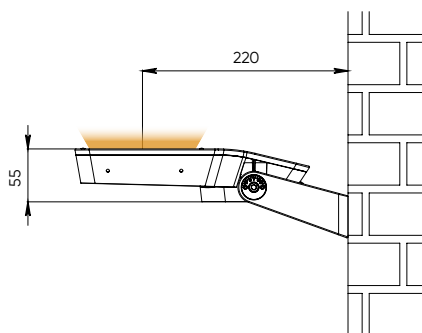
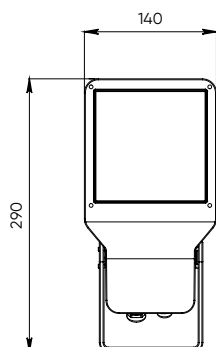
voltage 24, 48 V DC

light distribution curve, light color, wattage and luminous flux
can be customized for a specific project

Available custom versions



Technologies



weight, kg
2

monochrome

1. Select a model

Serial code	Color	W, max	lm, max
IMF20-1	white	27	2050
	color mono	27	1700

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF20-1	W30 W40 W50 R G B A	10 10α30 10x50 30 35x105 65 85	not available	H

* H – supply voltage 230 V AC

multichannel

1. Select a model

Serial code	Color	W, max	lm, max
IMF20-1	RGBW	26	1350
	RGBA	26	1250

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF20-1	RGBW30 RGBW40 RGBW50 RGBA	10 10α30 10x50 30 35x105 65 85	R C	H

* C – protocol DMX-512

R – protocol DMX-512 + RDM

**H – supply voltage 230 V AC

3. Select accessories

Type*	Article number	Height, mm
screen	RAY-01-050	50
	RAY-01-070	70

* screen – for grazing floodlighting

Type	Article number	Category	Holes
bracket	RAY-01-150	swivel	1
	RAY-02-150		2
	RAY-03-100	static	2

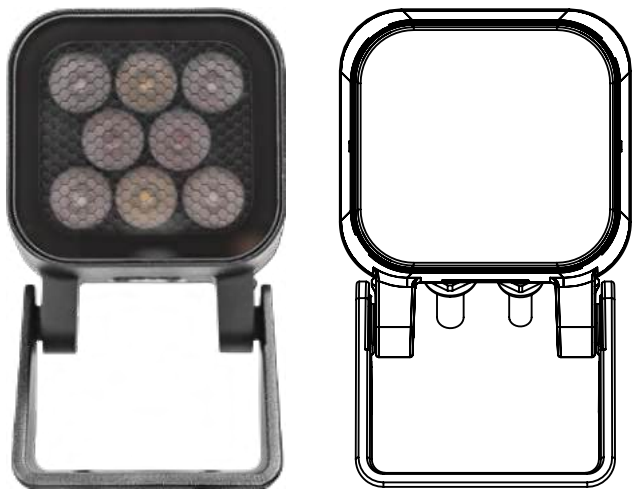


Embankment of the Pregolya River
Kaliningrad

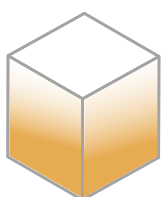
KUB

The low-power KUB projector is specifically designed for accent lighting of façade elements. Its compact size makes it ideal for installation on columns, canopies, narrow inter-window spaces, or decorative details. Featuring a unique adjustment system, the luminaire can be easily and quickly mounted and aligned using a standard hexagon tool.

[more on our website](#)



Application

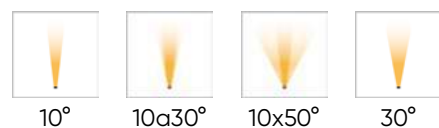
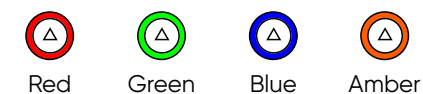
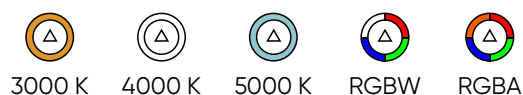


floodlight



accent

KUB



CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
230 V AC

IP66 IK09

Lifespan
not less than 50 000 hours

→
- 40°C + 55°C

Controls, protocols

monochrome: On/Off, PWM
multichannel: DMX-512 + RDM

Controls, pixel size

1 luminaire – 1 pixel

Materials

housing, bracket – aluminum casting alloy, covered
with powder paint

protective glass – silicate tempered glass

metalware – stainless steel

Standard RAL colors



Standard coating type

moire

Accessories

brackets
screens
tubes
pegs

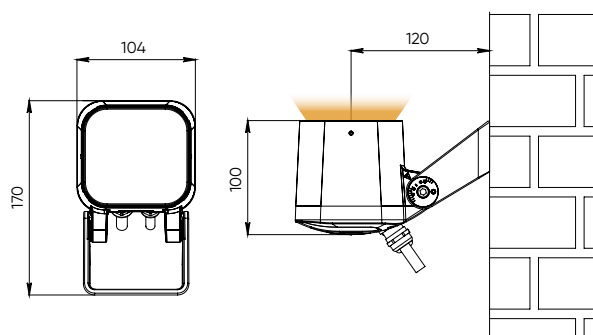
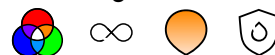
Customization

controls for monochrome DALI, PWM,
DMX-512, DMX-512 + RDM
controls for multichannel DMX-512
connectors IP68
cable length up to 5m
voltage 12, 24, 48 V DC
light color, wattage and luminous flux
can be customized for a specific project

Available custom versions



Technologies



weight, kg
1,4

KUB

monochrome

1. Select a model

Serial code	Color	W, max	lm, max
IMF8-1	white color mono	11 12	1030 660

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF8-1	W30 W40 W50 R G B A	10 10α30 10x50 30 65 85 125	not available D	H L48 H L24

* D – protocol PWM

**H – supply voltage 230 V AC

L24 – supply voltage 24 V DC

L48 – supply voltage 48 V DC

multichannel

1. Select a model

Serial code	Color	W, max	lm, max
IMF8-1	RGBW RGBA	14 14	500 425

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF8-1	RGBW30 RGBW40 RGBW50 RGBA	10 10α30 10x50 30 65 85 125	C R	H L24

* C – protocol DMX-512

R – protocol DMX-512 + RDM

**H – supply voltage 230 V AC

L24 – supply voltage 24 V DC

3. Select accessories

Type*	Article number	Height, mm
screen	KUB-01-050	50
	KUB-01-075	75
tube	KUB-01-075	75
spike	KUB-01-400-55	55
	KUB-02-400-150	150

* screen – for grazing floodlighting

tube – for lighting of spatial structures

spike – for landscape lighting

Type	Article number	Category	Holes
bracket	KUB-01-110	swivel	1
	KUB-02-110		2
	KUB-03-75	static	2

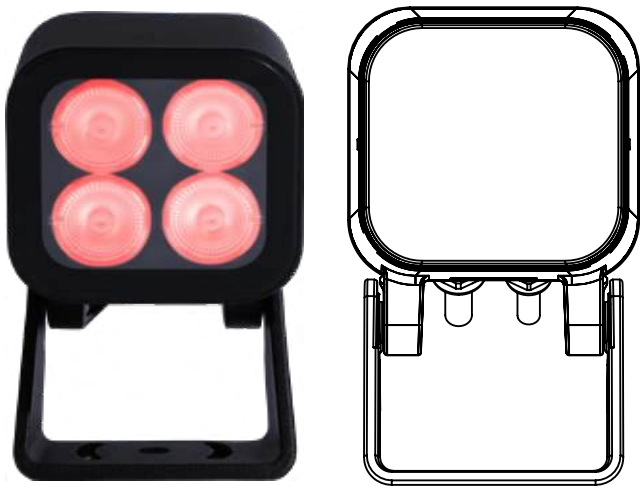
KUB fullcolor



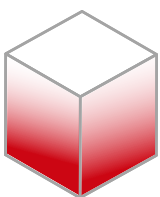
KUB fullcolor

[more on our website](#)

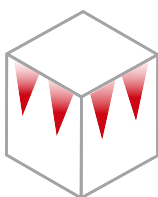
The ultra-compact and sleek KUB luminaire now offers more than 16 million vibrant, pure colors, all within its familiar minimalist design. This tiny yet powerful fixture delivers a vast array of lighting effects and extensive controls options, all housed in a compact, toy-sized body with an integrated power supply. Its user-friendly design ensures seamless handling at every stage of a lighting project – from concept development and modeling to installation and ongoing system maintenance.



Application



floodlight

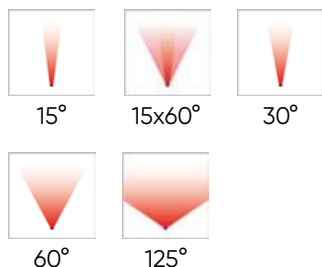


accent

KUB fullcolor



fullcolor
(multichip RGBW65)



CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
230 V AC

IP66 IK09

Lifespan
not less than 50 000 hours

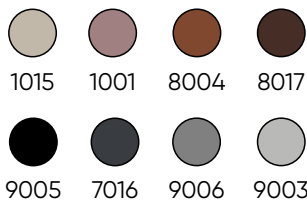
→
- 40°C + 55°C

Controls, protocols
DMX-512, DMX-512 + RDM

Controls, pixel size
1 luminaire – 1 pixel

Materials
housing, bracket – aluminum alloy
protective glass – silicate tempered glass

Standard RAL colors



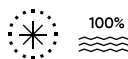
Standard coating type
moire

Аксессуары

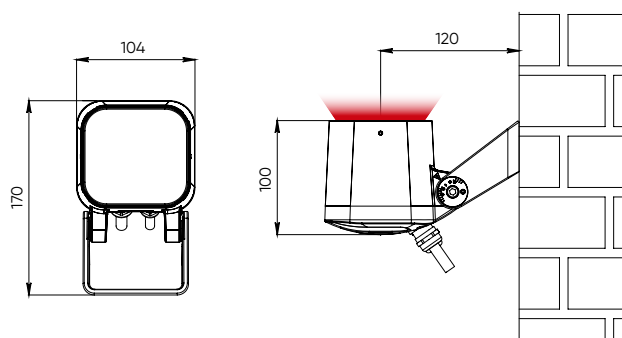
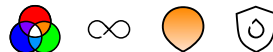
brackets
screens
tubes
pegs

Customization
connectors IP68
cable length up to 5m
voltage 24 V DC
tunable white (TW) version
wattage and luminous flux can be customized
for a specific project

Available custom versions



Technologies



weight, kg
1,4

KUB fullcolor

1. Select a model

Serial code	W, max	lm, max
IMF4-2	14	260

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF4-2	FC	– 15 15x60 30 60 125	C R	H L24

* C – protocol DMX-512

R – protocol DMX-512 + RDM

**H – supply voltage 230 V AC

L24 – supply voltage 24 V DC

3. Select accessories

Type*	Article number	Height, mm
screen	KUB-01-050	50
	KUB-01-075	75
tube	KUB-01-075	75
spike	KUB-01-400-55	55
	KUB-02-400-150	150

* screen – for grazing floodlighting

tube – for lighting of spatial structures

spike – for landscape lighting

Type	Article number	Category	Holes
bracket	KUB-01-110	swivel	1
	KUB-02-110		2
	KUB-03-75	static	2

SPOT



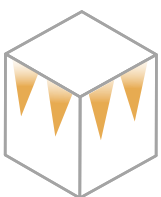
SPOT

[more on our website](#)

The IntiSPOT accent luminaire has been reimagined with an updated design and enhanced features. Alongside its refreshed housing, the new SPOT integrates the latest cutting-edge technical innovations from INTILED.



Application



accent

SPOT




 3000 K 4000 K 5000 K




 15° 15x60° 30°



 40° 120°

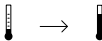
CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Voltage
24 V DC

IP66 IK09 

Lifespan
not less than 50 000 hours


 - 40°C + 55°C

Controls, protocols
On/Off, PWM

Controls, pixel size
1 luminaire – 1 pixel

Materials
housing, bracket – aluminum casting alloy, covered
 with powder paint
protective glass – silicate tempered glass
metalware – stainless steel

Standard RAL colors





 1015 1001 8004 8017



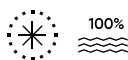

 9005 7016 9006 9003

Standard coating type
moire

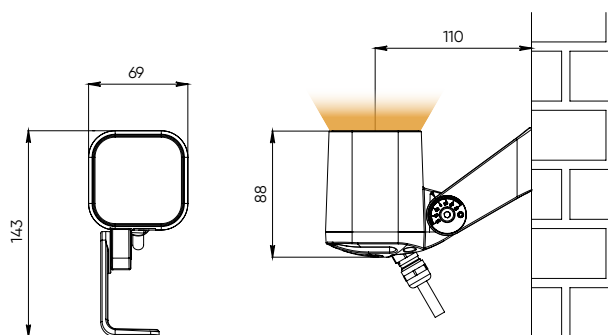
Accessories
 screens
 tubes

Customization
 control DMX-512, DMX-512 + RDM
 connectors IP68
 cable length up to 5m
 питание 12 V DC
 light color, wattage and luminous flux
 can be customized for a specific project

Available custom versions



Technologies



weight, kg
0,7

1. Select a model

Serial code W, max lm, max

IMF1-4 4 330

2. Create an article number

Serial code Color Optics Controls* Supply voltage**

IMF1-4	W30 W40 W50	– 15 15x60 30 40 120	D	L24
--------	-------------------	-------------------------------------	---	-----

* D – protocol PWM

**L24 – supply voltage 24 V DC

3. Select accessories

Type* Article number Height, mm

screen	SPOT-02-050	50
tube	SPOT-03-050	50

* screen – for grazing floodlighting

tube – for lighting of spatial structures

Type* Article number Height, mm

spike	SPOT-01-400-55	55
	SPOT-02-400-150	150

Type* Article number Category Holes

bracket	SPOT-01-110	swivel	1
	SPOT-01-110		2
	SPOT-03-070	static	2

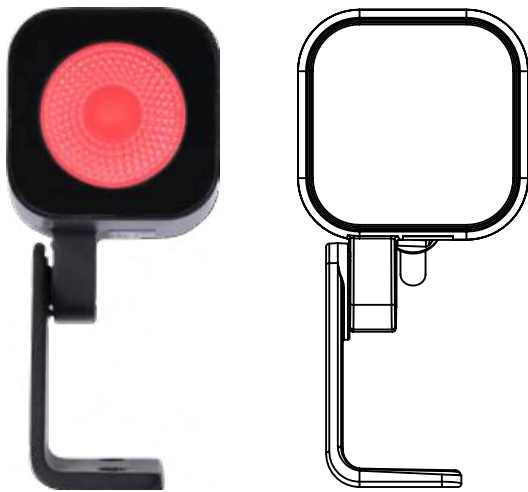
SPOT fullcolor



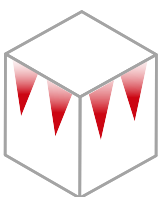
SPOT fullcolor

The IntiSPOT accent luminaire has been upgraded with a modernized design and advanced features. Alongside its sleek new housing, the latest SPOT fullcolor model integrates state-of-the-art INTILED technologies, including EternalTechnology® and ColorPro®.

[more on our website](#)



Application



accent

SPOT fullcolor



fullcolor
(multichip RGBW65)



15°



15x60°



30°



40°



120°

CRI

≥80 (for white color)

Color binning

2 MacAdam ellipses for white,
±3 nm for color LED

Voltage

24 V DC

IP66 IK09



Lifespan

not less than 50 000 hours

→
- 40°C + 55°C

Controls, protocols

DMX-512, DMX-512 + RDM

Controls, pixel size

1 luminaire – 1 pixel

Materials

housing, bracket – aluminum alloy
diffusor – tempered glass

Standard RAL colors



1015



1001



8004



8017



9005



7016



9006



9003

Standard coating type

moiré

Accessories

screens
tubes

Customization

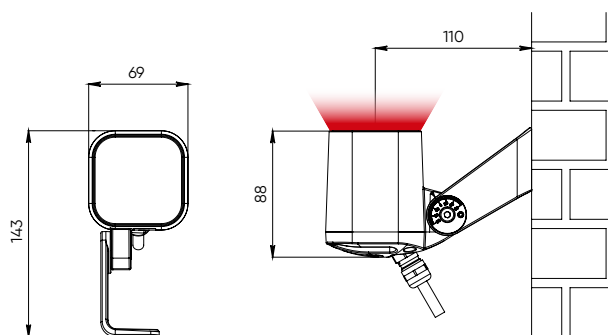
connectors IP68
tunable white (TW) version
wattage and luminous flux can be customized
for a specific project

Available custom versions



100%
≈

Technologies



weight, kg
0,7

SPOT fullcolor

Serial code W, max lm, max

IMF1-3,5 10 290

1. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IMF1-3,5	FC	– 15 30 40 120 15x60	R	L24

* R – protocol DMX-512 + RDM

**L24 – supply voltage 24 V DC

3. Select accessories

Type*	Article number	Height, mm
screen	SPOT-02-050	50
tube	SPOT-03-050	50

* screen – for grazing floodlighting

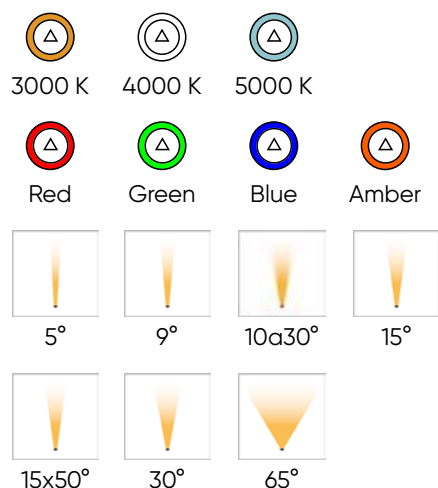
tube – for lighting of spatial structures

Type*	Article number	Height, mm
spike	SPOT-01-400-55	55
	SPOT-02-400-150	150

Type*	Article number	Category	Holes
bracket	SPOT-01-110	swivel	1
	SPOT-01-110		2
	SPOT-03-070	static	2



PILL



CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Voltage
24 V DC

IP66 IK09 

Lifespan
not less than 50 000 hours

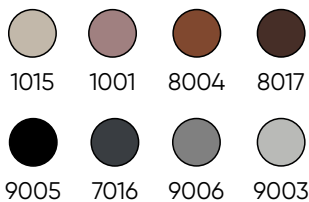
 → 
- 40°C + 55°C

Controls, protocols
On/Off, PWM

Controls, pixel size
1 line - 1 pixel

Materials
housing – aluminum alloy with galvanic coating, covered
with powder paint
protective glass – shock-resistant polycarbonate
bracket – stainless steel
metalware – stainless steel

Standard RAL colors

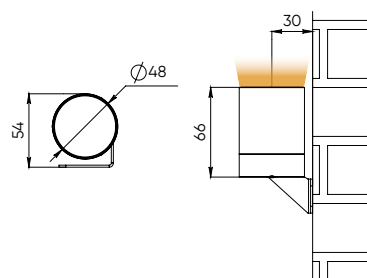


Standard coating type
moire

Accessories
screens
tubes
peg

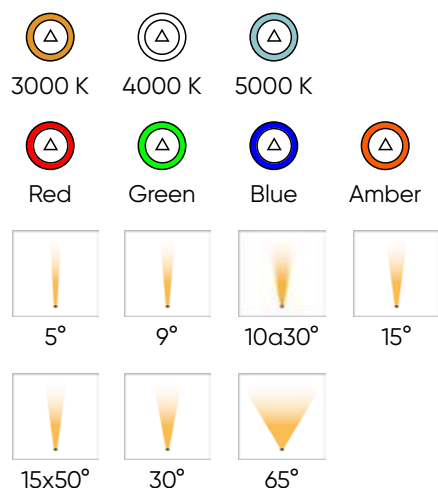
Customization
controls DALI
cable length up to 5m
voltage 12, 24 V DC
light distribution curve, light color, wattage
and luminous flux can be customized
for a specific project

Available custom versions



weight, kg
0,25

PILL



CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Voltage
24 V DC

IP66 IK09 

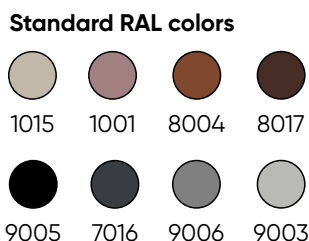
Lifespan
not less than 50 000 hours

 → 
- 40°C + 55°C

Controls, protocols
On/Off, PWM

Controls, pixel size
1 line - 1 pixel

Materials
housing – aluminum alloy with galvanic coating, covered
with powder paint
protective glass – shock-resistant polycarbonate
bracket – stainless steel
metalware – stainless steel

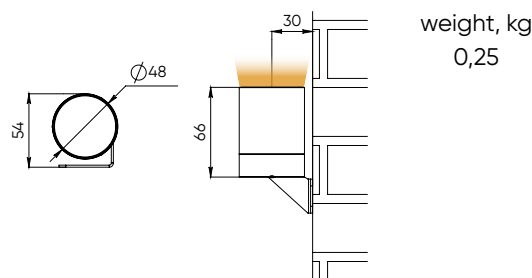
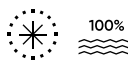


Standard coating type
moire

Accessories
screens
tubes
peg

Customization
controls DALI
cable length up to 5m
voltage 12, 24 V DC
light distribution curve, light color, wattage
and luminous flux can be customized
for a specific project

Available custom versions



1. Select a model

Serial code	Color	W, max	Im, max
IRF1-3	mono	3	200

2. Create an article number

Serial code	Color	Optics	Supply voltage**
IRF1-3	W30 W40 W50 R G B A	5 9 10a30 15 15x50 30 65	L24

* L24 – supply voltage 24 V DC

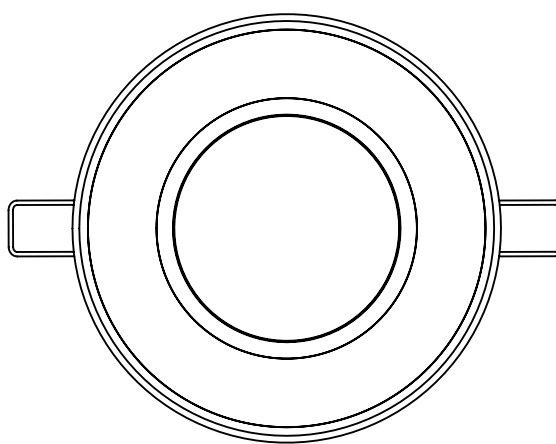


Coffeemanía
Sochi

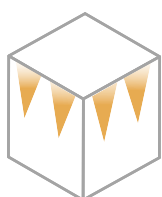
IntiTOP

This luminaire is primarily designed for accent and functional lighting in entrance areas. It is suitable for built-in installation and can be mounted using either springs or screws, offering flexible and secure placement options.

[more on our website](#)

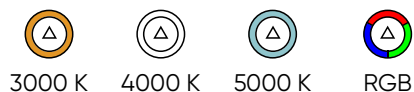


Application



accent

IntiTOP



15° 34° 40x20°



45° 80°

CRI

≥80 (for white color)

Color binning

2 MacAdam ellipses for white,
±3 nm for color LED

Voltage

24 V DC

IP66 IK09



Lifespan

not less than 50 000 hours

→
- 40°C + 55°C

Controls, protocols

monochrome: On/Off, PWM

multichannel: DMX-512

Controls, pixel size

1 luminaire – 1 pixel

Materials

housing – extruded aluminum section
with galvanic coating (anodic oxidation), covered
with powder paint

protective glass – shock-resistant polycarbonate/silicate
tempered glass

metalware – stainless steel

Standard RAL colors



1015 1001 8004 8017



9005 7016 9006 9003

Standard coating type

moire

Customization

for monochrome DMX-512

connectors IP68

cable length up to 5m

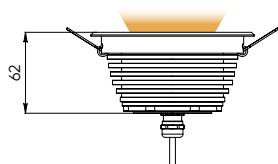
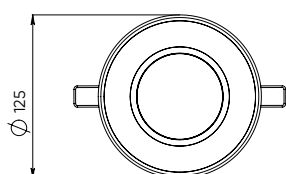
light color, wattage and luminous flux

can be customized for a specific project

Available custom versions



Technologies



weight, kg

0,7

IntiTOP

monochrome

1. Select a model

Serial code	W, max	lm, max	Weight, kg
IRB12-1	13	1050	0,7

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IRB12-1	W30 W40 W50	15 34 45 80 40x20	D	L24

* D – protocol PWM
**L24 – supply voltage 24 V DC

multichannel

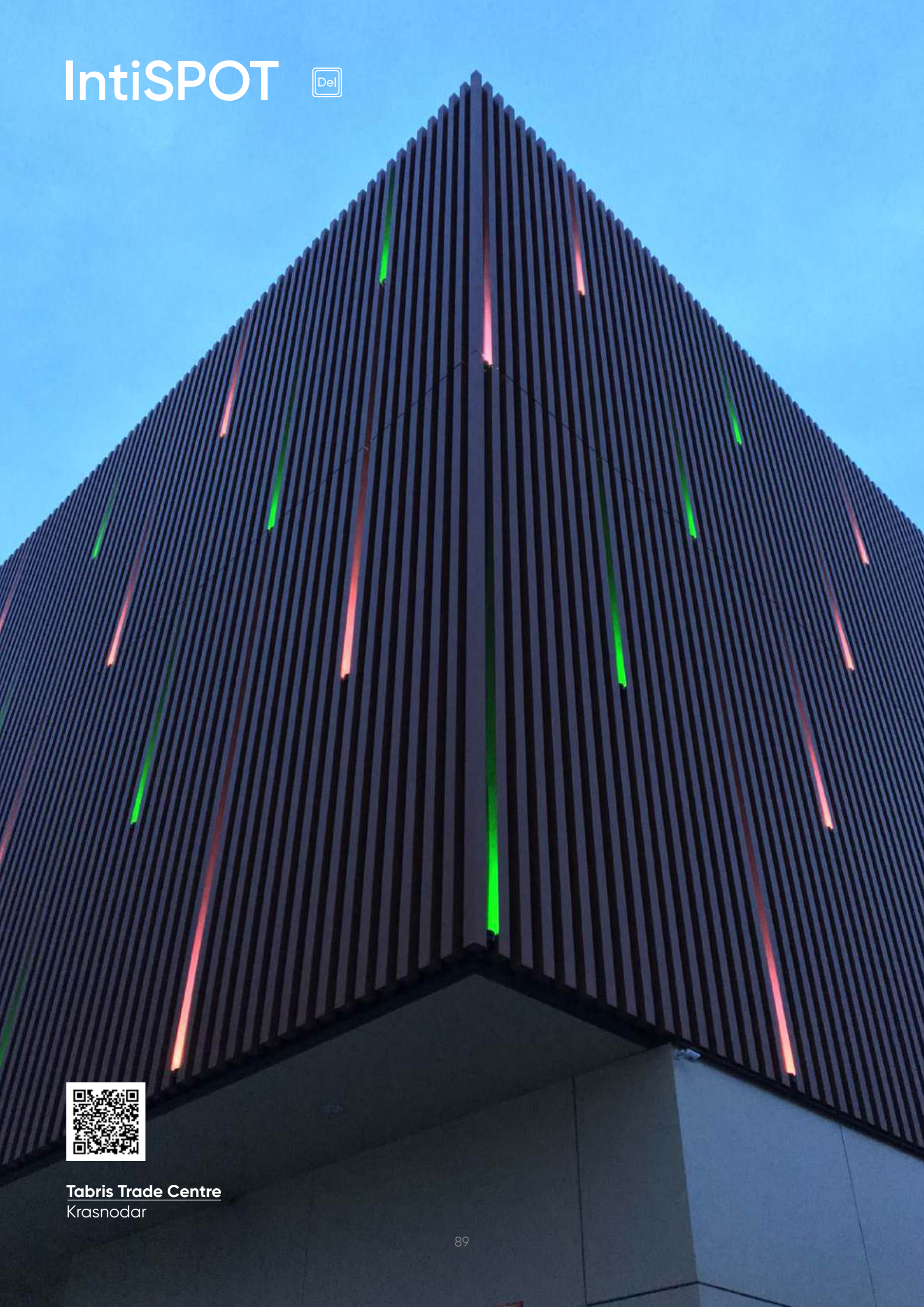
1. Select a model

Serial code	W, max	lm, max	Weight, kg
IRB12-1	15	620	0,9

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IRB12-1	RGB	15 34 45 80 40x20	C	L24

* C – protocol DMX-512
**L24 – supply voltage 24 V DC

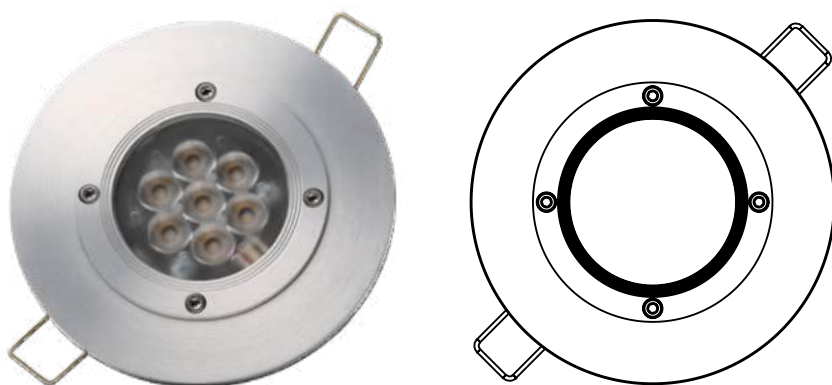


Tabris Trade Centre
Krasnodar

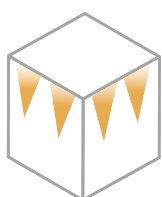
IntiSPOT

A compact downlight with an IP67 protection rating, designed for reliable outdoor functional lighting of entrance areas.

[more on our website](#)

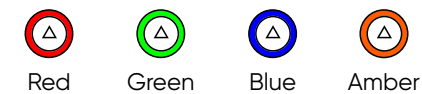


Application



accent

IntiSPOT



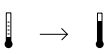
CRI
≥80 (for white color)

Color binning
2 MacAdam ellipses for white,
±3 nm for color LED

Voltage
monochrome: 48 V DC
multichannel: 24 V DC

IP67 IK08 

Lifespan
not less than 50 000 hours

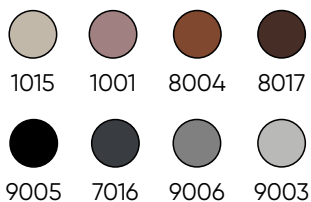

- 40°C + 55°C

Controls, protocols
On/Off, PWM

Controls, pixel size
1 luminaire – 1 pixel

Materials
housing, bracket – extruded aluminum section
with galvanic coating (anodic oxidation), covered
with powder paint
protective glass – shock-resistant polycarbonate
metalware – stainless steel

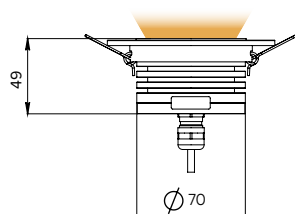
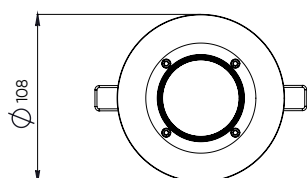
Standard RAL colors



Standard coating type
moire

Customization
controls DMX-512
cable length up to 5m
power supply 12, 24 V DC
connectors IP68
light color, wattage and luminous flux
can be customized for a specific project

Available custom versions



weight, kg
0,45

1. Select a model

Serial code	Color	W, max	lm, max
IRB7-1	white	7,5	700
	color mono	8	450

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IRB7-1	W30 W40 W50 R G B A	16 24 40	D	L48

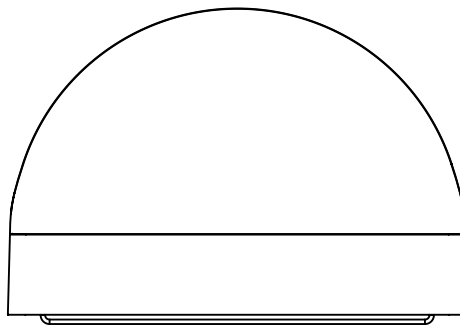
* D – protocol PWM
**L48 – supply voltage 48 V DC



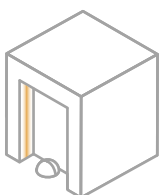
EDGE

A sophisticated luminaire designed to deliver a flawless 3x180° lighting effect. Perfect for narrow window openings and structures where minimizing light loss is essential.

[more on the website](#)



Application



lighting effects

EDGE



3x180°

CRI

≥80 (for white color)

Color Binning

2 MacAdam ellipses for white,
±3 nm for color LED

Voltage

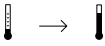
24 V DC

IP65 IK09



Lifespan

not less than 50 000 hours

 → 
- 40°C + 55°C

Controls, protocols

DMX-512, DMX-512 + RDM

Controls, pixel size

1 luminaire – 1 pixel

Materials

housing – aluminum casting alloy, covered with powder paint

bracket – stainless steel

metalware – stainless steel

Standard RAL colors



Standard coating type

moire

Accessories

diaphragm DFV2.3

Customization

controls DALI

connectors IP68

cable length up to 5m

through-wiring

voltage 12, 48 V DC

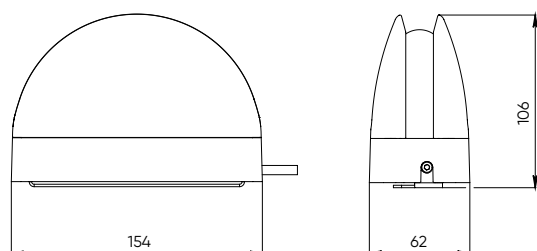
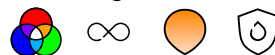
light color, wattage and luminous flux

can be customized for a specific project

Available custom versions



Technologies



weight, kg
0,8

EDGE

monochrome

1. Select a model

Serial code	Color	W, max	lm, max
ILF6-2	white	8	61
	color mono	8	44

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
ILF6-2	W30 W40 W50 R G B A	3x180	C R	L24

*C – protocol DMX-512

R – protocol DMX-512 + RDM

**L24 – supply voltage 24 V DC

multichannel

1. Select a model

Serial code	Color	W, max	lm, max
ILF12-2	RGBW	8	43

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
ILF12-2	RGBW30 RGBW40 RGBW50	3x180	C R	L24

* C – protocol DMX-512

R – protocol DMX-512 + RDM

**L24 – supply voltage 24 V DC

EDGE-mini

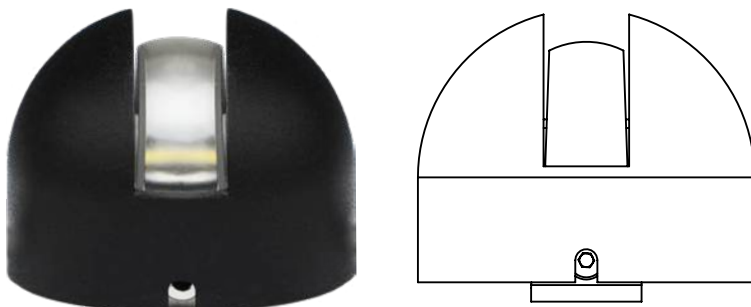


General Tutolmin's House
Saint Petersburg

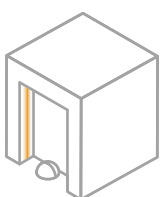
EDGE-mini

[more on the website](#)

A compact, ultra-miniature luminaire designed for monochrome illumination of window openings. This small light fixture delivers uniform lighting across the entire width of the window opening with an 8x180° beam angle. Additionally, it is suitable for highlighting niches and other architectural relief elements on façades or within interiors.



Application



lighting effects

EDGE-mini



3000 K



4000 K



5000 K



Red



Green



Blue



Amber



8x180°

CRI

≥80 (for white color)

Color Binning

2 MacAdam ellipses for white,
±3 nm for color LED

Voltage

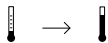
12 V DC

IP65 IK09



Lifespan

not less than 50 000 hours



- 40°C + 55°C

Controls, protocols

On/Off, PWM

Controls, pixel size

1 luminaire – 1 pixel

Materials

housing – aluminum alloy with galvanic coating,
covered with powder paint

protective glass – no

bracket – stainless steel/zink-plated steel

metalware – stainless steel

Standard RAL colors



1015



1001



8004



8017



9005



7016



9006



9003

Standard coating type

moire

Customization

voltage 24 V DC

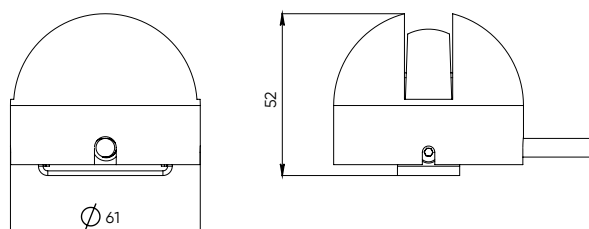
connectors IP68

cable length up to 5m

light color, wattage and luminous flux

can be customized for a specific project

Technologies



weight, kg

0,3

EDGE-mini

1. Select a model

Serial code	Color	W, max	lm, max
ILF2-1,5	white	4,5	110
	color mono	4,5	60

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
ILF2-1,5	W30 W40 W50 R G B A	8x180	D	L12

* D – protocol PWM

**L12 – supply voltage 12 V DC

IntiTWIN

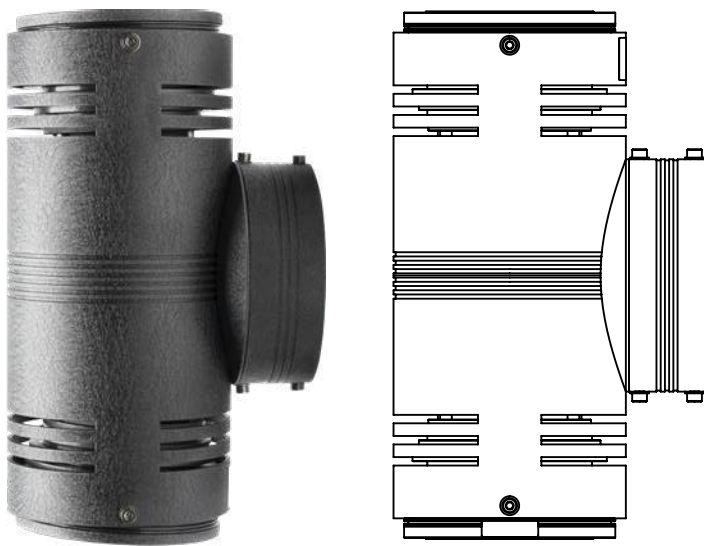


Hotel The Local
Grozny

IntiTWIN

[more on the website](#)

This innovative product offers unparalleled versatility in creating diverse lighting effects. By allowing the adjustment of LED module angles and enabling the combination of narrow and wide beams within a single luminaire (through the use of different optics in the LED modules), it provides endless possibilities for customized illumination.

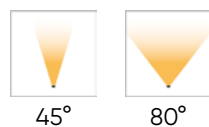
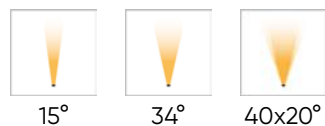
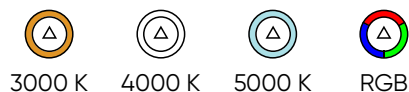


Application



accent

IntiTWIN



CRI
≥80 (for white color)

Color Binning
2 MacAdam ellipses for white,
±3 nm for color LED

Voltage
24 V DC

IP66 IK08



Lifespan
not less than 50 000 hours

 → 
- 40°C + 55°C

Controls, protocols

monochrome: On/Off, PWM
multichannel: DMX-512

Controls, pixel size

1 luminaire – 1 pixel

Materials

housing – aluminum alloy with galvanic coating,
covered with powder paint

protective glass – shock-resistant polycarbonate/
silicate tempered glass

metalware – stainless steel

Standard RAL colors



Standard coating type

moire

Customization

controls DMX-512

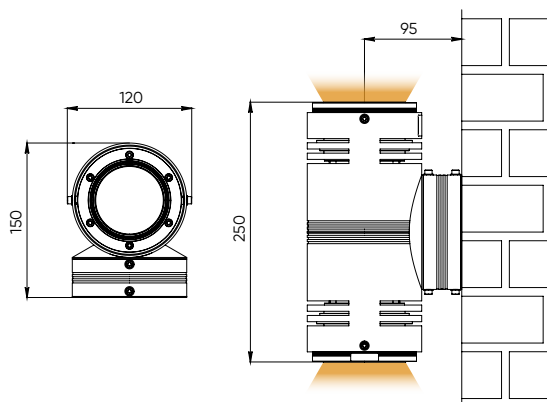
connectors IP68

light color, wattage and luminous flux
can be customized for a specific project

Available custom versions



Technologies



weight, kg
2,8

IntiTWIN

monochrome

1. Select a model

Serial code	Color	W, max	lm, max
IRF24-1	white	28	2100

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IRF24-1	W30 W40 W50	15 34 40x20 45 80	D	L24

* D – protocol PWM
**L24 – supply voltage 24 V DC

multichannel

1. Select a model

Serial code	Color	W, max	lm, max
IRF24-1	RGB	30	1240

2. Create an article number

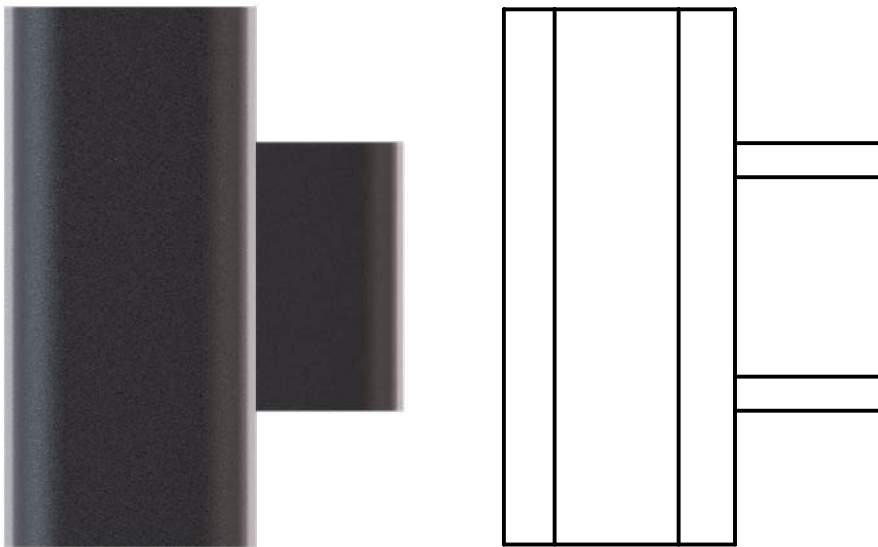
Serial code	Color	Optics	Controls*	Supply voltage**
IRF24-1	RGB	3x180	C	L24

* C – protocol DMX-512
**L24 – supply voltage 24 V DC



TWIN

The new TWIN up-down lighting fixture, featuring the sleek and distinctive INTILED design, combines elegance with functionality. Its meticulously engineered mounting system ensures seamless integration with the façade, offering invisible wiring connections and straightforward installation.



Application



accent



fullcolor
(multichip RGBW50)



2700 K



3000 K



4000 K



5000 K



Red



Green



Blue



Amber



15°



10x30°



15x50°



30°



65°



125°

CRI

≥80 (for white color)

Color Binning

2 MacAdam ellipses for white,
±3 nm for color LED

Power, W

28 (14+14)

Luminous flux, lm

2100 (1050+1050)

Voltage

230 V AC

IP66 IK08



Lifespan

not less than 50 000 hours



- 40°C + 55°C

Controls, protocols

monochrome: On/Off, PWM

multichannel: DALI, DMX-512, DMX-512 + RDM

Materials

housing, bracket – extruded aluminum

diffuser – silicate tempered glass

Standard RAL colors



1015



1001



8004



8017



9005



7016



9006



9003

Standard coating type

moire

Accessories

diffuser RV20.4

supporting profile cable channel

profile-cover cable channel

Customization

voltage 12, 24, 48 V DC

cable length up to 5m

connectors IP68

light distribution curve, light color, wattage

and luminous flux can be customized

for a specific project

Available custom versions



100%

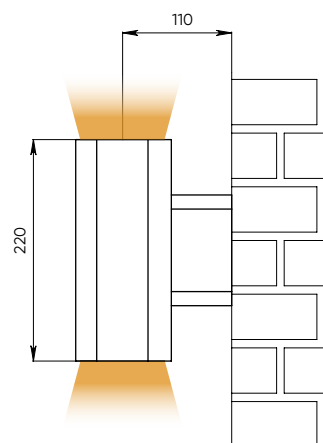
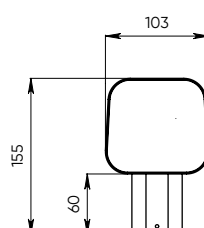


Technologies



weight, kg

3





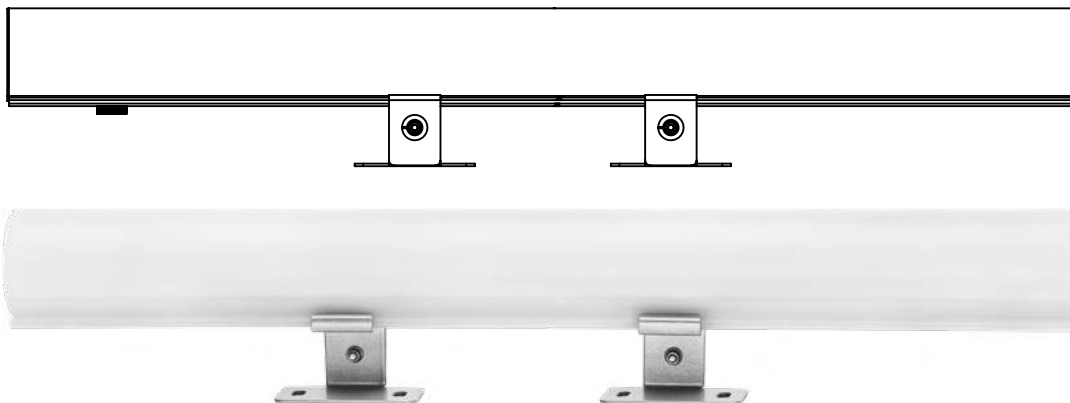


Corridor of Light
Norilsk

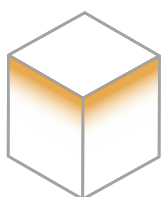
IntiTUBE

This product is specifically developed for contour lighting, enabling the creation of seamless light lines and the construction of dynamic media façades. With a resolution of 40 pixels per meter, it is capable of displaying graphics, video, and a variety of other captivating dynamic lighting effects.

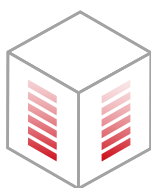
[more on the website](#)



Application



contour



media façade

IntiTUBE



fullcolor
(multichip RGB)



3000 K



4000 K



5000 K



Red



Green



Blue



Amber



250°

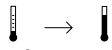
CRI
≥80 (for white color)

Color Binning
2 MacAdam ellipses for white,
±3 nm for color LED

Voltage
monochrome: 48 V DC
fullcolor: 24 V DC

IP65 IK08 

Lifespan
not less than 50 000 hours


- 40°C + 55°C

Controls, protocols
monochrome: On/Off, PWM, DMX-512
fullcolor: DMX-512

Controls, pixel size
up to 40 pixels per 1m

Materials
housing/end caps – ight-diffusing polycarbonate
with UV stabilizer
brackets – zink-plated steel , covered with powder paint
metalware – stainless steel

Customization
tunable white (TW) version
product length, light color, wattage and luminous
flux can be customized for a specific project

Technologies


L, mm	nominal	
	length, cm	weight, kg
265	30	0,3
380	40	0,45
515	50	0,55
630	60	0,6
765	80	0,7
880	90	0,75
1015	100	0,81
1130	120	0,9
1265	130	0,97

IntiTUBE



monochrome

1. Select a model

Serial code	Color	W, max	lm, max	Length, cm
ITF10-0,2	white	3,5	245	30
	color mono	4	160	
ITF20-0,2	white	7	495	50
	color mono	8	320	
ITF30-0,2	white	10	740	80
	color mono	12	480	
ITF40-0,2	white	14	990	100
	color mono	15	640	
ITF50-0,2	white	17	1240	130
	color mono	19	800	
ITF10-0,5	white	4	375	30
	color mono	5	275	
ITF15-0,5	white	6	560	40
	color mono	7	410	
ITF20-0,5	white	8	750	50
	color mono	9	550	
ITF25-0,5	white	10	940	60
	color mono	11	685	
ITF30-0,5	white	12	1130	80
	color mono	14	825	
ITF35-0,5	white	14	1320	90
	color mono	16	960	
ITF40-0,5	white	16	1500	100
	color mono	18	1100	
ITF45-0,5	white	18	1690	120
	color mono	20	1235	
ITF50-0,5	white	20	1880	130
	color mono	23	1375	

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**	Length, cm
ITF10-0,2	W30 W40 W50 R G B	— 250	C	L24	30
ITF20-0,2					50
ITF30-0,2					80
ITF40-0,2					100
ITF50-0,2					130
ITF10-0,5	W30 W40 W50 R G B A		D	L48	30
ITF15-0,5					40
ITF20-0,5					50
ITF25-0,5					60
ITF30-0,5					80
ITF35-0,5					90
ITF40-0,5					100
ITF45-0,5					120
ITF50-0,5					130

* C — protocol DMX-512, additional hardware required

D — protocol PWM

**L24 — supply voltage 24 V DC

L48 — supply voltage 48 V DC

fullcolor

1. Select a model

Serial code	W, max	lm, max	Length, cm
ITF10-0,3	3	70	30
ITF15-0,3	5	110	40
ITF20-0,3	6	140	50
ITF25-0,3	8	180	60
ITF30-0,3	9	220	80
ITF35-0,3	11	250	90
ITF40-0,3	13	290	100
ITF45-0,3	14	320	120
ITF50-0,3	16	360	130

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**	Length, cm
ITF10-0,3	FC	— 250	C	L24	30
ITF15-0,3					40
ITF20-0,3					50
ITF25-0,3					60
ITF30-0,3					80
ITF35-0,3					90
ITF40-0,3					100
ITF45-0,3					120
ITF50-0,3					130

* C — protocol DMX-512, additional hardware required

**L24 — supply voltage 24 V DC

IntiPOINT

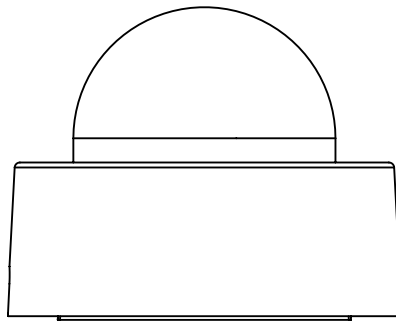


Seliger City Residential Complex
Moscow

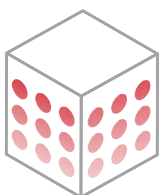
IntiPOINT

A spotlight designed for decorative lighting and media façades. Each light can be individually controlled using the standard DMX-512 protocol.

[more on the website](#)



Application



media façade

IntiPOINT

 3000 K
 4000 K
 5000 K

 Green
 Blue
 RGBW



180°

CRI
≥80 (for white color)

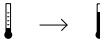
Color Binning
2 MacAdam ellipses for white,
±3 nm for color LED

Voltage
24 V DC

IP67 IK07



Lifespan
not less than 50 000 hours


- 40°C + 55°C

Controls, protocols
DMX-512

Controls, pixel size
1 luminaire – 1 pixel

Materials
housing – cast UV-resistant polycarbonate
protective glass – matte spherical light-diffusing
polycarbonate with UV stabilizer
metalware – stainless steel

Standard RAL color

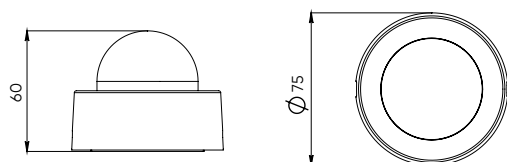
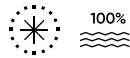


9006

Standard coating type
moire

Customization
cable outlet: side/below
light color, wattage and luminous flux
can be customized for a specific project

Available custom versions



weight, kg
0,2

IntiPOINT

monochrome

1. Select a model

Serial code	Color	W, max	lm, max
IRF3-1	white	4	60
	color mono	4	50

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IRF3-1	W30 W40 W50 G B	180	C	L24

* C – protocol DMX-512, additional hardware required
**L24 – supply voltage 24 V DC

multichannel

1. Select a model

Serial code	Color	W, max	lm, max
IRF3-1	RGBW	4	90

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IRF3-1	RGBW	180	C	L24

* C – protocol DMX-512, additional hardware required
**L24 – supply voltage 24 V DC

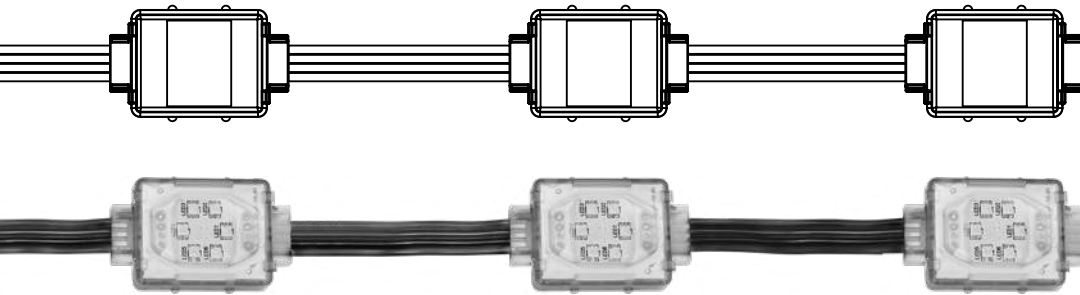


LETO Mall
Saint Petersburg

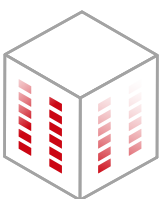
IntiDOT

[more on the website](#)

Specifically engineered for constructing media façades, this system is controlled via the standard DMX-512 protocol. The high brightness of each individual point enables the creation of dynamic media façades for high-rise structures and buildings visible from significant distances.



Application



media façade

IntiDOT



fullcolor
(multichip RGB)



120°



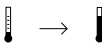
180°

Voltage
24 V DC

IP67 IK07



Lifespan
not less than 50 000 hours

 → 
- 40°C + 55°C

Controls, protocols
DMX-512

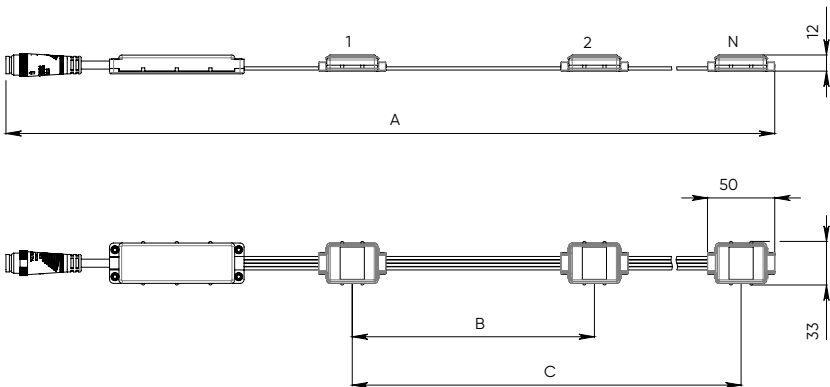
Controls, pixel size
1 luminaire – 1 pixel
1 string – from 1 to 50 pixels

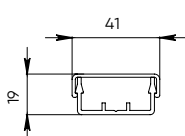
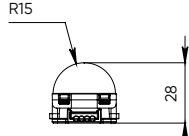
Materials
housing – polycarbonate with UV stabilizer
diffuser – light-diffusing polycarbonate with UV stabilizer

Accessories
diffuser RV20.4
supporting profile cable channel
profile-cover cable channel

Customization
controls DMX-512 + RDM
pixel spacing and number of pixels can be
customized for a specific project
tunable white (TW) version
product length, wattage and luminous flux
can be customized for a specific project

Technologies



cable channel		diffuser	
			
		min	max
N, pcs	1	50	
A, mm	250	25	250
B, mm	150	500	
C, mm	150	25	000
weight, kg	0,2	2	

1. Select a model

Serial code	Optics*	W, max	lm, max
IntiDOT-10.	120	16	520
	180	16	390
IntiDOT-20.	120	32	1040
	180	32	780
IntiDOT-30.	120	48	1560
	180	48	1170
IntiDOT-40.	120	64	2080
	180	64	1560
IntiDOT-50.	120	80	2600
	180	80	1950

*120 – without diffuser RV20.4
180 – with diffuser RV20.4

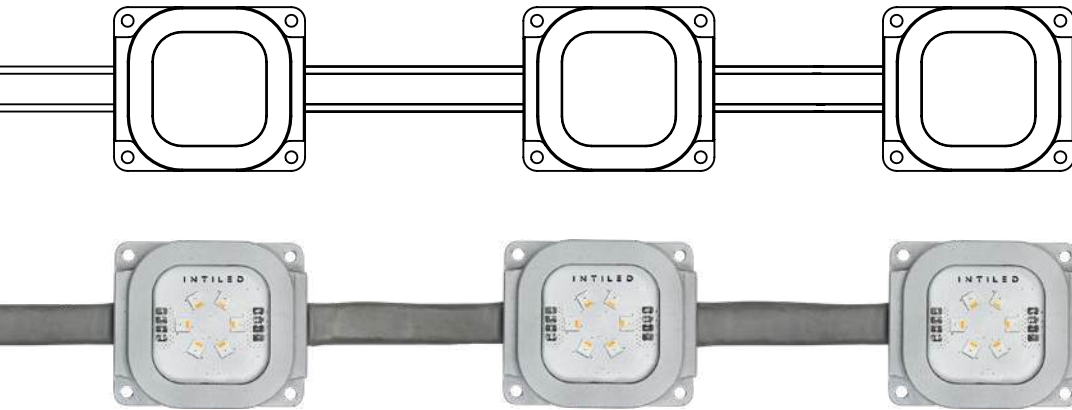
2. Create an article number

Luminaire		Number of pixels	Spacing between pixels, mm	Serial code	Color		Optics	Controls*	Supply voltage**
IntiDOT	–	10. 20. 30. 40. 50.	150 200 300 400 500	IMF6-0,3	FC	–	120 180	C	L24

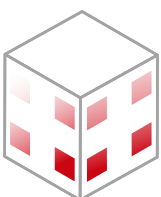
* C – protocol DMX-512
**L24 – supply voltage 24 V DC



An ideal solution for designing large-scale media façades that remain visible from considerable distances.
The enlarged pixel size ensures that the content displayed on the façade is easily readable, even from very far away.



Application



media façade



fullcolor
(multichip RGBW40)



120°

CRI

≥80 (for white color)

Color Binning

2 MacAdam ellipses for white,
±3 nm for color LED

Voltage

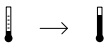
24 V DC

IP67 IK08



Lifespan

not less than 50 000 hours



- 40°C + 55°C

Controls, protocols

DMX-512 + RDM

Controls, pixel size

1 luminaire – 1 pixel
1 string – from 1 to 50 pixels

Materials

housing – aluminum alloy with galvanic coating,
covered with powder paint
protective glass – shock-resistant polycarbonate
metalware – stainless steel

Standard RAL color



9006

Standard coating type

moire

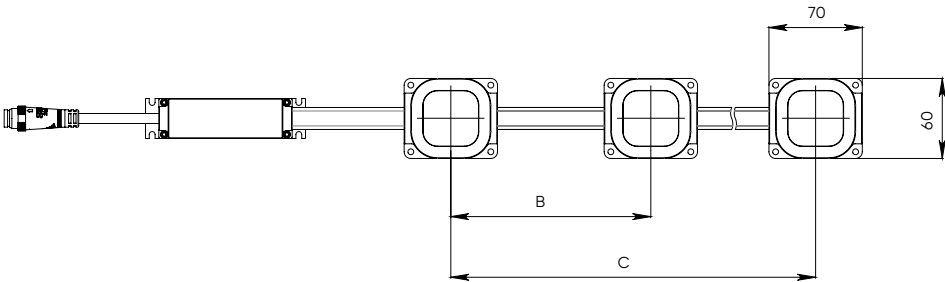
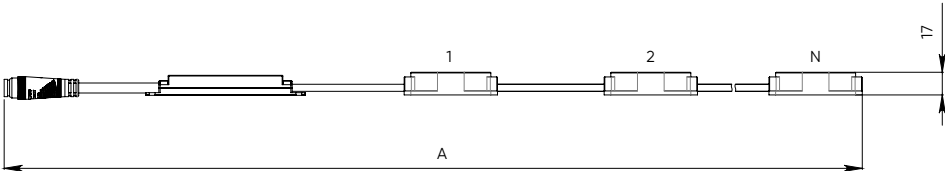
Customization

controls DMX-512 + RDM
tunable white (TW) version
product length, wattage and luminous flux
can be customized for a specific project

Available custom versions



Technologies



	min	max
N, pcs.	1	50
A, mm	370	15 300
B, mm	150	500
C, mm	150	15 000
weight, kg	0,25	13



1. Properties of one pixel

Serial code	W, max	lm, max
DOT-1.	3,6	180

2. Create an article number

Luminaire		Number of pixels*	Spacing between pixels**	Serial code***
DOT	–	X.	Y	IMF6-0,6FC-120RL24

* X. – number of pixels up to 50 pcs

** Y – spacing between pixels 150-500mm

*** R – protocol DMX-512 + RDM

L24 – supply voltage 24 V DC

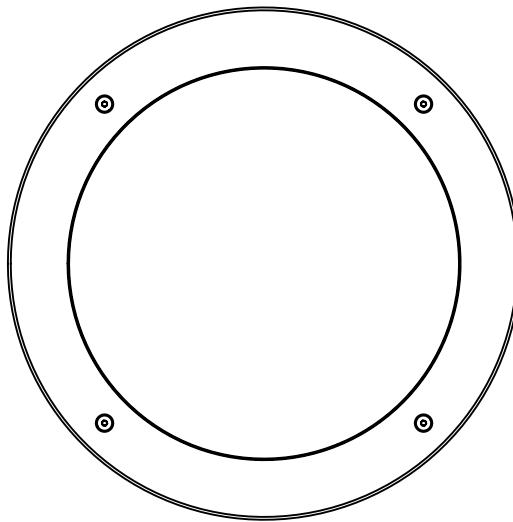


Nizami Ganjavi Park
Derbent

IntiGROUND

This system is primarily utilized for ground-based façade floodlighting. Superior color mixing is achieved through the unique configuration of LED. The fixture allows for precise adjustment of the light beam by altering the angle of the LED board, which can be tilted up to 15°.

[more on the website](#)

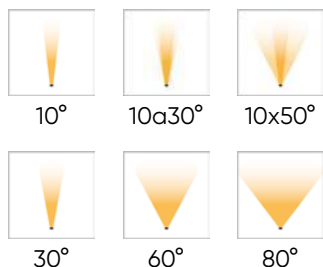
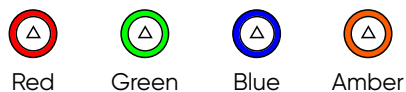


Application



accent

IntiGROUND



CRI
≥80 (for white color)

Color Binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
230 V AC

IP67 IK10 

Lifespan
not less than 50 000 hours

 → 
- 40°C + 55°C

Controls, protocols
monochrome: On/Off, PWM
multichannel: DMX-512

Controls, pixel size
1 luminaire – 1 pixel

Materials
housing – aluminum casting alloy, covered with powder paint
protective glass – hardened, 15mm thick, with silicon sealer
mounting curb – polypropylene
metalware – stainless steel
decorative frame – polished stainless steel

Customization
for monochrome: controls DALI, PWM,
DMX-512, DMX-512 + RDM
for multichannel: controls DMX-512 + RDM
connectors IP68
cable length up to 5m
for monochrome: through-wiring
voltage 24, 48 V DC
light distribution curve, light color, wattage
and luminous flux can be customized
for a specific project

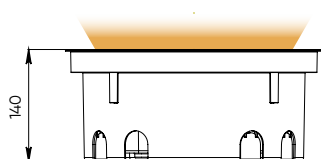
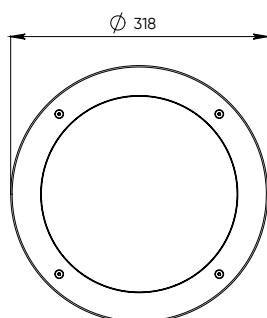
Available custom versions



Technologies



Maximum static load
5 000 kg



weight, kg
7

IntiGROUND

monochrome

1. Select a model

Serial code	Color	W, max	lm, max
IRG24-1	white color mono	29 31	2450 1600

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IRG24-1	W30 W40 W50 R G B A	10 10a30 10x50 30 60 80	not available C	H

* C – protocol DMX-512

**H – supply voltage 230 V AC

multichannel

1. Select a model

Serial code	Color	W, max	lm, max
IRG24-1	RGB RGBW	28 33	1000 1650

2. Create an article number

Serial code	Color	Optics	Controls*	Supply voltage**
IRG24-1	RGB RGBW30 RGBW40 RGBW50	10 10a30 10x50 30 60 80	C	H

* C – protocol DMX-512

**H – supply voltage 230 V AC



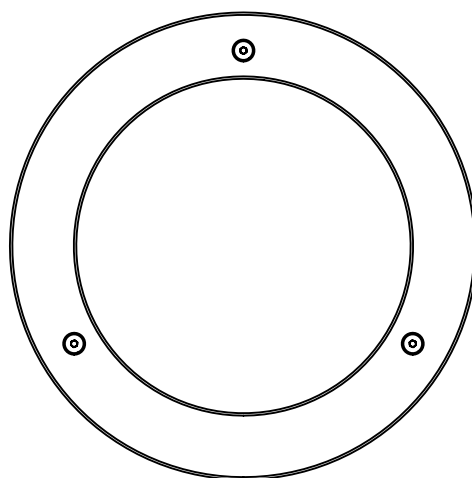
Museum Quarter
Pskov

IntiGROUND-midi



[more on the website](#)

It is primarily designed for ground-level accent lighting of façades. To precisely direct the light beam, the upgraded housing features an internal mechanism that allows tilting of the LED module relative to the horizon ($\pm 15^\circ$ toward or away from the illuminated surface) and rotating the LED module around its axis ($\pm 25^\circ$ to the right or left).

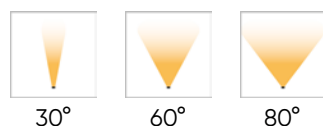


Application



accent

IntiGROUND-midi



CRI
≥80 (for white color)

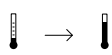
Color Binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
230 V AC

IP67 IK10 

Lifespan
not less than 50 000 hours

 →
- 40°C + 55°C

Controls, protocols
On/Off

Materials
housing – pressure-cast aluminum, covered with powder paint
protective glass – hardened, with silicon sealer
mounting curb – ABS plastic
metalware – stainless steel
decorative frame – polished stainless steel

Customization
controls DALI, PWM, DMX-512, DMX-512 + RDM
connectors IP68
cable length up to 5m
through-wiring
power supply 48 V DC
light distribution curve, light color, wattage
and luminous flux can be customized
for a specific project

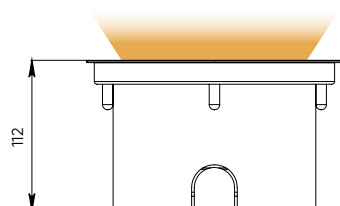
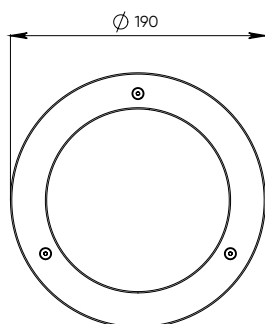
Available custom versions



Technologies



Maximum static load
5 000 kg



weight, kg
2,3

IntiGROUND-midi

1. Select a model

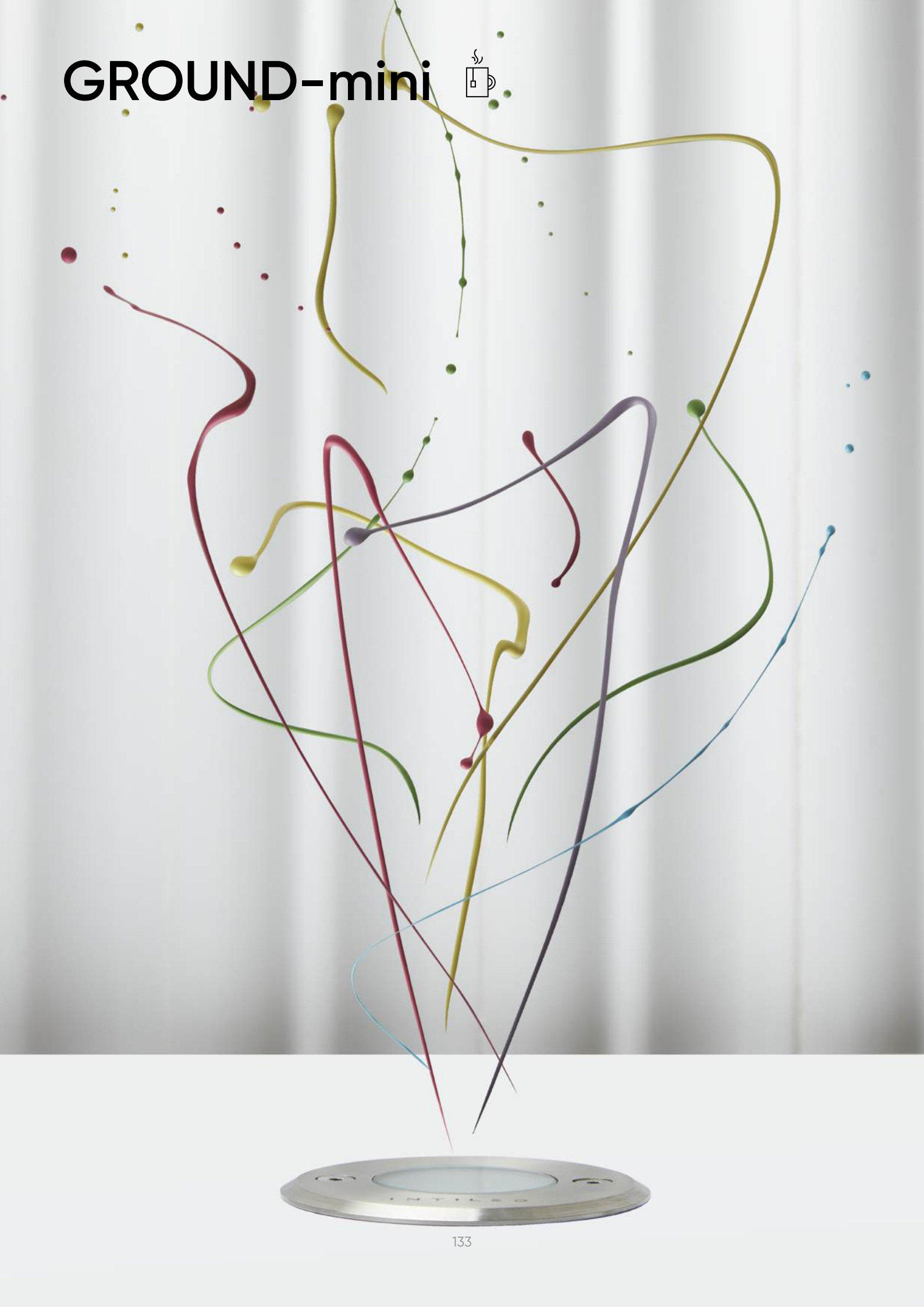
Serial code	Color	W, max	lm, max
IRG9-1	white	11	920
	color mono	11	600

2. Create an article number

Serial code	Color	Optics	Controls	Supply voltage**
IRG9-1	W30	10	not available	H
	W40	10a30		
	W50	10x50		
	G	30		
	B	60		
	A	80		

*H – supply voltage 230 V AC

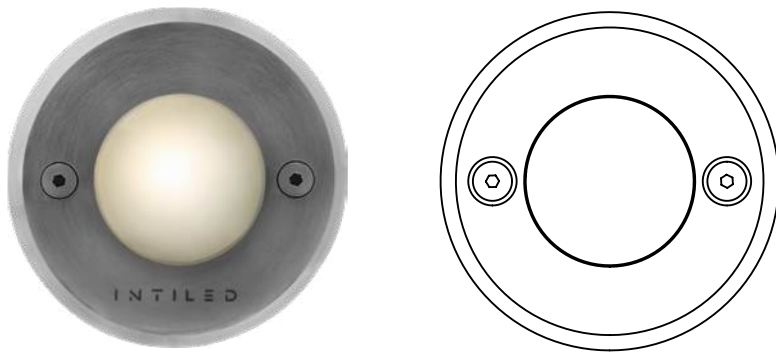
GROUND-mini



GROUND-mini

A compact inground marker light fixture designed for both functional and decorative illumination purposes.

[more on the website](#)



Application



accent

GROUND-mini



3000 K



4000 K



5000 K



Red



Green



Blue



Amber



120°

CRI

≥80 (for white color)

Color Binning

2 MacAdam ellipses for white,

±3 nm for color LED

Power factor

>0,5

Voltage

230 V AC

IP67 IK10



Lifespan

not less than 50 000 hours

→
- 40°C + 55°C

Controls, protocols

On/Off

Materials

housing – aluminum casting alloy, covered with powder paint

protective glass – silicate tempered glass, 8 mm thick, with silicon sealer

mounting curb – polypropylene

decorative frame – polished stainless steel

metalware – нержавеющая сталь

Decorative frame

round

square

Customization

controls DMX-512, DMX-512 + RDM

connectors IP68

cable length up to 5m

power supply 12 V DC

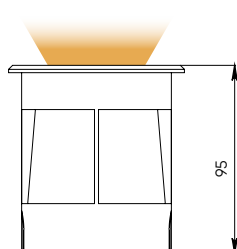
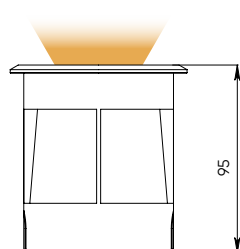
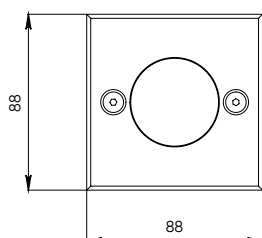
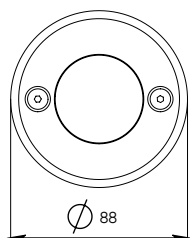
light color, wattage and luminous flux

can be customized for a specific project

Maximum static load

5 000 kg

Technologies



weight, kg
0,5

GROUND-mini

1. Select a model

Serial code	Color	W, max	lm, max
IRG1-1	white	1,5	35
	color mono	1,5	20

2. Create an article number

Serial code	Color	Optics	Controls	Supply voltage**
IRG1-1	W30 W40 W50 R G B A	120	not available	H

*H – supply voltage 230 V AC

IntiBEAM

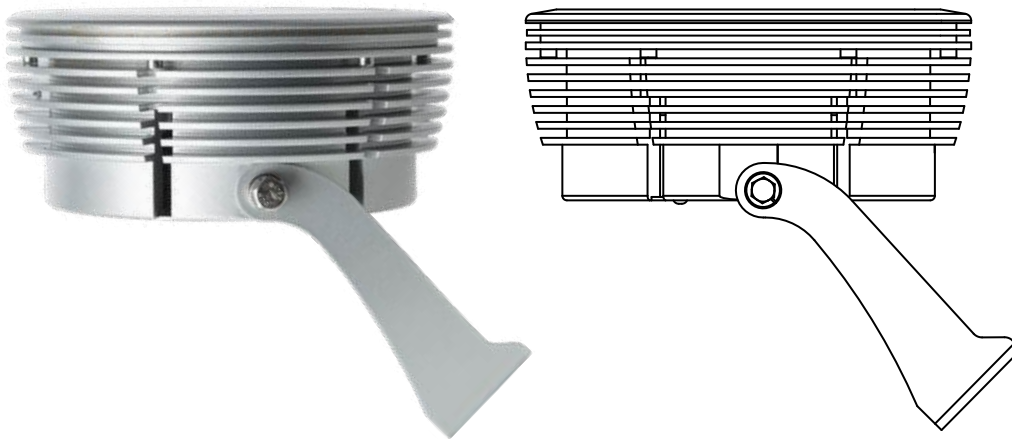


Aparthotel
Dubai

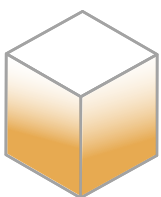
IntiBEAM

An ergonomic light fixture engineered to produce a precise and focused 5° light beam. It is versatile, suitable for highlighting vertical façade features as well as illuminating distant objects with flood lighting.

[more on the website](#)



Application

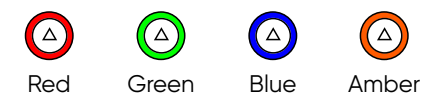


floodlight



accent

IntiBEAM



5°

CRI

≥80 (for white color)

Color Binning

2 MacAdam ellipses for white,
±3 nm for color LED

Power factor

>0,9

Voltage

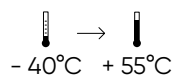
230 V AC

IP66 IK10



Lifespan

not less than 50 000 hours



Controls, protocols

On/Off

Materials

housing – aluminum alloy

protective glass – silicate tempered glass

bracket – zink-plated steel

metalware – stainless steel

Standard RAL colors



1015 1001 8004 8017



9005 7016 9006 9003

Standard coating type

moire

Accessories

screen

Customization

controls DALI, PWM, DMX-512, DMX-512 + RDM

connectors IP68

cable length up to 5m

power supply 12, 24, 48 V DC

light distribution curve, light color, wattage

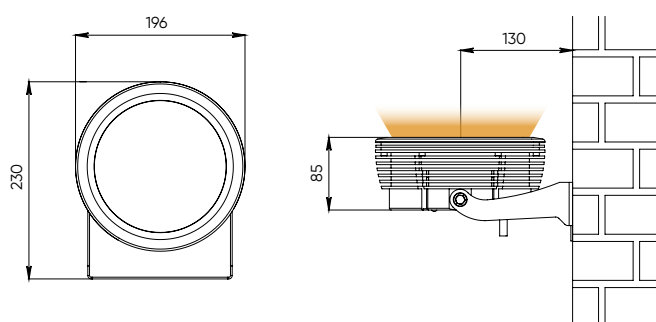
and luminous flux can be customized

for a specific project

Available custom versions



Technologies



weight, kg

4

1. Select a model

Serial code	Color	W, max	lm, max
IRF9-3	white	31	2450
	color mono	29	1100

2. Create an article number

Serial code	Color	Optics	Controls	Supply voltage*
IRF9-3	W30 W40 W50 R G B A	5	not available	H

* H – supply voltage 230 V AC

3. Select accessories

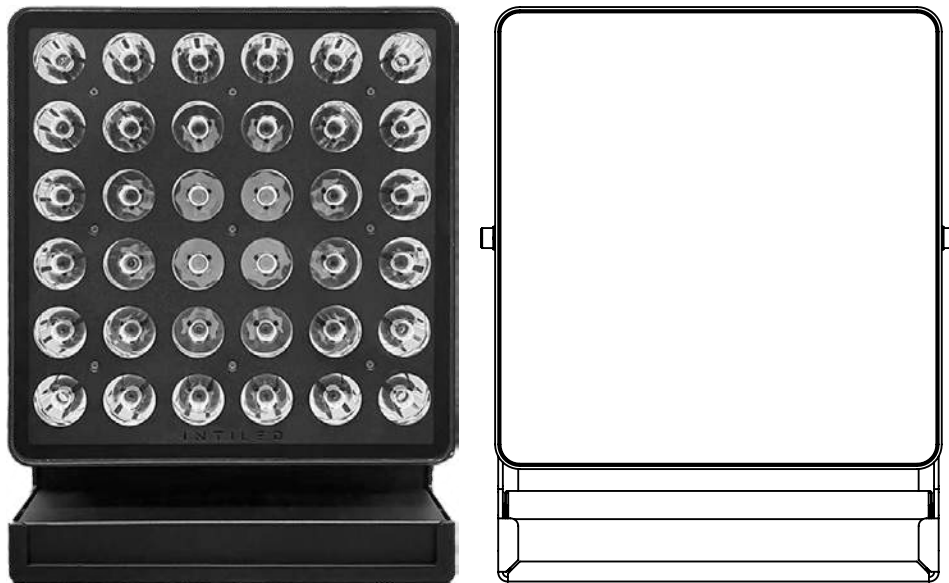
Type	Article number	Height, mm	Shape
screen	BEAM-03-100	100	angular
	BEAM-01A-100		rounded



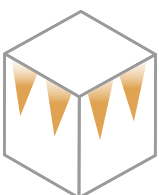
ZENITH

A powerful projector featuring ultra-narrow 2° optics, specifically designed for grazing illumination of cables, pylons, spans, and other slender, elongated surfaces. It is also ideal for targeted accent lighting from extended distances.

[more on the website](#)



Application



accent

ZENITH



5000 K



2°

CRI

≥70 (for white color)

Color Binning

2 MacAdam ellipses

Power factor

>0,9

Voltage

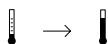
230 V AC

IP66 IK09



Lifespan

not less than 50 000 hours



- 40°C + 55°C

Controls, protocols

On/Off

Materials

housing – aluminum alloy with galvanic coating, extruded aluminum section, covered with powder paint

protective glass – silicate tempered glass

bracket – stainless steel/zink-plated steel, covered with powder paint

metalware – stainless steel

Standard RAL colors



1015



1001



8004



8017



9005



7016



9006



9003

Standard coating type

moire

Accessories

screens

tubes

Customization

connectors IP68

controls DALI, PWM, DMX-512, DMX-512 + RDM

cable length up to 5m

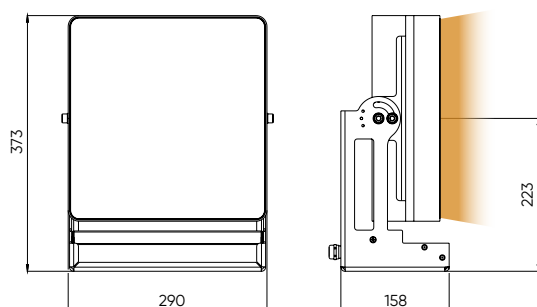
product length, optics, light color, wattage and luminous flux can be customized for a specific project

Available custom versions



100%

Technologies



weight, kg
15

1. Select a model

Serial code	Color	W, max	lm, max
IMF36	white	125	8900

2. Create an article number

Serial code	Color	Optics	Controls	Supply voltage*
IMF36	W50	–	2	not available
				H

* H – supply voltage 230 V AC

3. Select accessories

Type*	Article number	Height, cm
screen	ZENITH-01-300	30

* screen – for grazing floodlighting



Kant Island
Kaliningrad

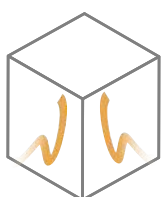
LACE

Engineered to deliver smooth floodlighting and seamless light lines on surfaces of any form. Depending on project needs, LACE can be configured with vertical or horizontal bends, equipped with IP67 or IP68 protection ratings, and customized with various cable outlet options, among other features.

[more on the website](#)



Application



flexible line

LACE



120°

CRI

≥90 for IP67

≥80 for IP68

Color Binning

2 MacAdam ellipses for white,

±3 nm for color LED

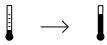
Voltage

24 V DC

IP67 IP68 IK09 

Lifespan

not less than 50 000 hours

 → 
- 40°C + 55°C

Controls, protocols

On/Off, PWM, DMX-512

Controls, pixel size

DMX-512: 1 meter – 8 pixel, 6 pixel for CL48

PWM: 1 line – 1 pixel

Materials

silicon (for IP67) and polyurethane (for IP68) with full UV-protection, salt and other aggressive substances protection (chlorine, chemicals, alkali, etc.), intended for efficient outdoor application

Body colour



black



grey



white

Maximum length

50m for IP67

5m for IP68

Accessories

profiles

clips

Available custom versions



1. Select size and bend

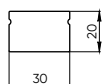


vertical

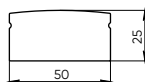


horizontal

VF



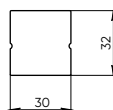
VK



VA/VB



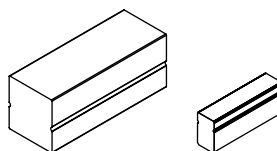
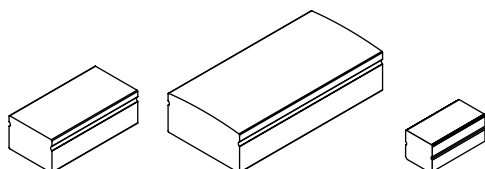
HJ



HC



weight, kg/m
0,35



for VF, VK, VA, HC and HJ maximum length 50 m, for VB, HD 5 m

monochrome

2. Select a model

Serial code	Color	W/m, max	lm/m, max	IP
VA	white color mono	5/10/15	455/900/1290 310/550/700	67
VB	white color mono	5/10/15	560/900/1240 380/510/620	68
VF	white	16/20/24	1067/1298/1534	67
VK	white	15	869	67
HC	white color mono	5/10/15	310/610/855 200/370/470	67
HD	white color mono	5/10/15	330/640/950 180/350/480	68
HJ	white	15	743	67

3. Create an article number

Serial code	Power*	Color	Cable outlet**	Protection class
VA HC	L S H	W30 W40 W50 R G B A	S E B	IP67
VB HD			E	IP68
HJ	S	W30 W40 W50	E B	IP67
VF VK				

*L – low power
S – standard power
H – high power

**S – cable outlet on the side
E – cable outlet on the end
B – cable outlet from the bottom

multichannel

2. Select a model

Serial code	Color	W/m, max	lm/m, max	IP
VA	RGBW TW	5/10/16 5/10/15	190/370/547 250/495/740	67
VB	RGBW	5/10/15	440/670/860	68
VF	RGBW TW	16/20/24 16/20/24	591/720/840 1008/1232/1457	67
VK	RGBW TW	15	524 794	67
HC	RGBW TW	5/10/15	110/210/340 150/280/400	67
HD	RGBW	5/10/15	260/510/750	68
HJ	RGBW TW	15	542 650	67

3. Create an article number

Serial code	Power*	Color	Cable outlet**	Protection class
VA HC	L S H	RGBW TW	S E B	IP67
VB			E	IP68
VF	S		E B	IP67
VK				
HJ			E	IP68
HD	L S H	RGBW		

*L – low power
S – standard power
H – high power

**S – cable outlet on the side
E – cable outlet on the end
B – cable outlet from the bottom

4. Select accessories

Type	Article number	Serial code	Number	Materials
profile	LACE-VA-A(1)	VA	1 pcs per 1m	aluminum
	LACE-VA-S(2)		1 pcs per 0,5m	stainless steel
	LACE-HC-A(1)	HC	1 pcs per 1m	aluminum
	LACE-HC-S(2)		1 pcs per 0,5m	stainless steel
	LACE-VB-A(3)	VB	1 pcs per 1m	aluminum
	LACE-HD-A(3)	HD		aluminum
	LACE-HD-S(2)		1 pcs per 0,5m	stainless steel
	LACE-HE-A	HE	1 pcs per 1m	aluminum
	LACE-VF-A	VF		
	LACE-VK-A	VK		
	LACE-HJ-A	HJ		

Type	Article number	Serial code	Materials
clip	LACE-VA-A(1)	VA	aluminum
	LACE-VA-S(2)		stainless steel
	LACE-HC-A(1)	HC	aluminum
	LACE-HC-S(2)		stainless steel
	LACE-VB-S(3)	VB	stainless steel
	LACE-HD-S(3)	HD	stainless steel
	LACE-HE-A	HE	aluminum
	LACE-VF-A	VF	
	LACE-VK-A	VK	
	LACE-HJ-A	HJ	

* clip – 10 pcs per 1m



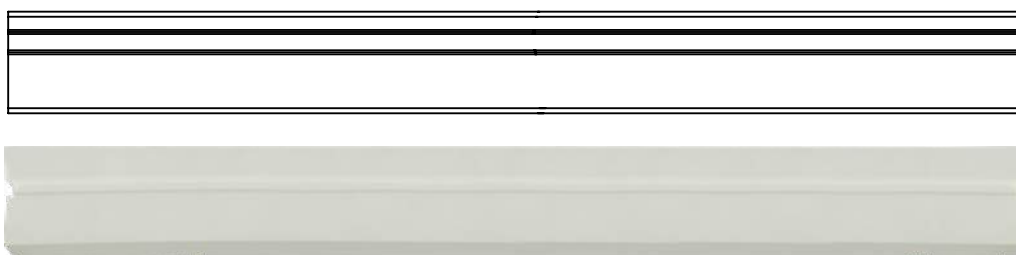
LACE 3D



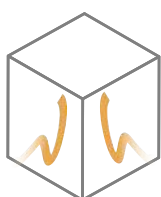
LACE 3D

A versatile series featuring a flexible bend design, created to produce gentle floodlighting and flawless light lines on surfaces of any contour. The IP67-rated sealed housing ensures the lighting fixtures can withstand demanding environmental conditions.

[more on the website](#)



Application



flexible line

LACE 3D

 3000 K  4000 K  5000 K

 Red  Green  Blue



120°

CRI
≥80 (for white color)

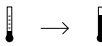
Color Binning
2 MacAdam ellipses for white,
±3 nm for color LED

Voltage
24 V DC

IP67 IK09



Lifespan
not less than 50 000 hours

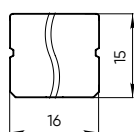
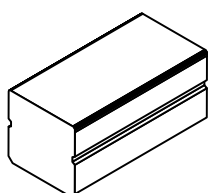

- 40°C + 55°C

Controls, protocols
On/Off, PWM

Controls, pixel size
1 line – 1 pixel

Materials
silicon with full UV-protection, salt and other aggressive substances protection (chlorine, chemicals, alkali, etc.), intended for efficient outdoor application

Bending
combined (vertical+horizontal)



weight, kg/m
0,35

maximum length 10m

LACE 3D

1. Select a model

Serial code	Color	W/m, max	lm/m, max
3DA	white	5/10	396/773
	color mono	5/10	320/553

2. Create an article number

Serial code	Power*	Color	Cable outlet**	Protection class
3DA	L S	W30 W40 W50 R G B	S E B	IP67

* L – power 5W/m

S – power 10W/m

**S – cable outlet on the side

E – cable outlet on the end

B – cable outlet from the bottom

3. Select accessories

Type	Article number	Serial code	Number	Materials
profile	LACE-3DQ-A	3D	1 pcs per 1m	aluminum

Type	Article number	Serial code	Materials
bracket	LACE-3DQ-K	3D	aluminum

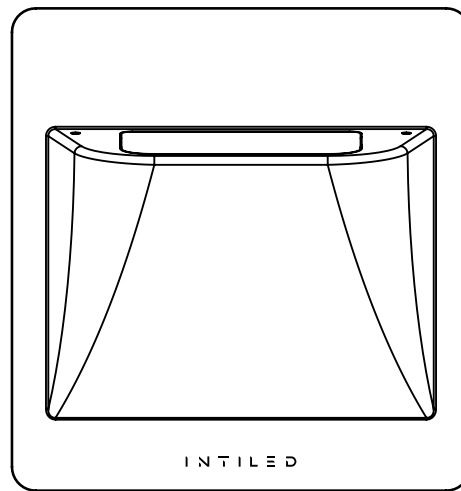
Type	Article number	Serial code	Materials
clip	LACE-3DQ-A	3D	aluminum



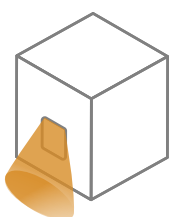
WALL

A timeless recessed luminaire designed with an expanded reflective surface to provide soft, even illumination. The front panel seamlessly conceals all fastening elements, ensuring a clean and minimalist appearance. Its versatile design makes it suitable for installation in small architectural features, retaining walls, building façades, or custom-designed bollards for landscape lighting applications.

[more on the website](#)

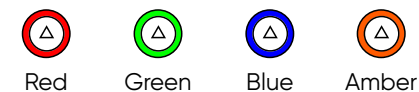
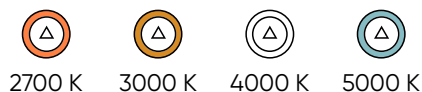


Application



landscape

WALL



50°/100°

CRI

≥80 (for white color)

Color Binning

2 MacAdam ellipses for white,
±3 nm for color LED

Power factor

>0,9

Voltage

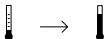
230 V AC

IP66 IK09



Lifespan

not less than 50 000 hours

 → 
- 40°C + 55°C

Controls, protocols

On/Off

Materials

housing – aluminum casting alloy, covered
with powder paint

protective glass – shock-resistant polycarbonate

mounting box – zink-plated steel

metalware – stainless steel

Standard RAL colors



Standard coating type

moire

Accessories

surface-mounted box

bollard

Customization

controls DALI, PWM, DMX-512, DMX-512 + RDM

connectors IP68

cable length up to 5m

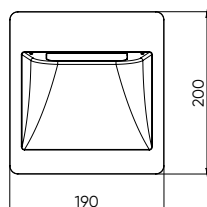
voltage 12, 24, 48 V DC

customized product length, light distribution curve, light

wattage and luminous flux color for a specific project

premium bronze reflective paint finish

Available custom versions



weight, kg

1

1. Select a model

Serial code	W, max	Im, max
IRF1-3	13	360

2. Create an article number

Serial code	Color	Optics	Supply voltage*
IRF1-3	W27 W30 W40 W50 R G B A	- 15 30 60 125	L24

*L24 – supply voltage 24 V DC

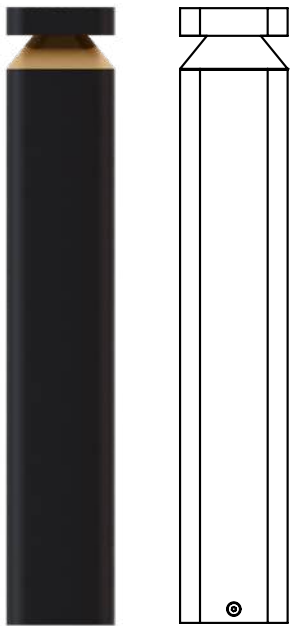
MARK 



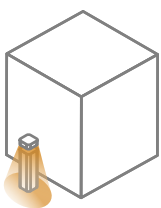
MARK

A traditional bollard designed for gentle landscape lighting, created in the INTILED signature style, seamlessly integrates with the façade to create a cohesive lighting environment.

The modular construction of MARK enables the addition of a section featuring built-in SPOT luminaires, perfect for illuminating trees or other landscape elements.



Application



landscape

Compatible components of the control system

	Controller LED IPCe	Key LIGHTCAD	Splitter DMX (B1T2)	Splitter DMX (B4)
LINE	+	+	+	+
LINE fc	+	+	+	+
SLIM	+	+	+	+
SLIM fc	+	+	+	+
IntiSLIM	+	+	+	+
LINEUP	-	-	-	-
IntiSTARK bb	+	+	+	+
IntiSTARK	+	+	+	+
BOX	+	+	+	+
BOX fc	+	+	+	+
BOX duo	+	+	+	+
RAY	+	+	+	+
PILL	-	-	-	-
KUB	+	+	+	+
KUB fc	+	+	+	+
SPOT	+	+	+	+
SPOT fc	+	+	+	+
IntiTOP	+	+	+	+
IntiSPOT	+	+	+	+
EDGE	+	+	+	+
EDGE-mini	+	+	+	+
IntiTWIN	+	+	+	+
TWIN	-	-	-	-
IntiTUBE	+	+	-	-
IntiPOINT	+	+	-	-
IntiDOT	+	+	+	+
DOT	+	+	+	+
IntiGROUND	+	+	+	+
IntiGROUND-midi	+	+	+	+
GROUND-mini	+	+	+	+
IntiBEAM	-	-	-	-
ZENITH	-	-	+	+
LACE	+	+	+	+
LACE 3D	+	+	+	+
WALL	+	+	+	+
MARK	-	-	-	-
SITE	-	-	-	-

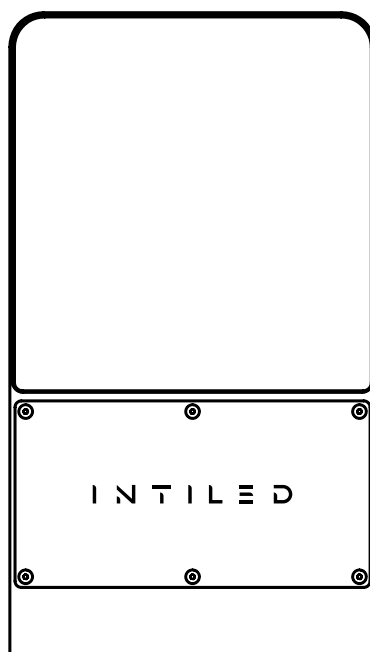
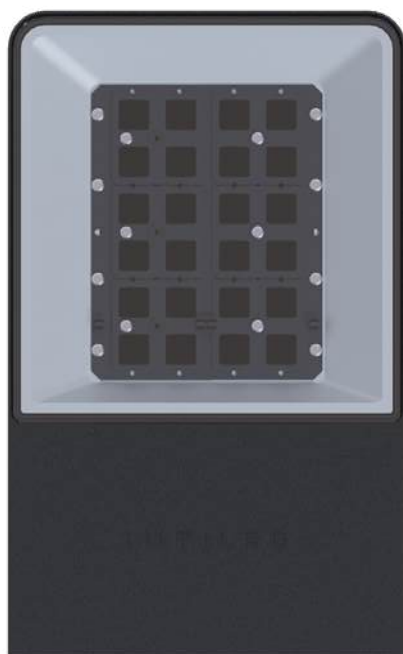
MARK 



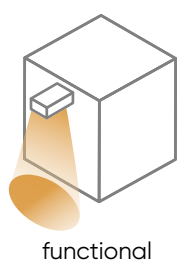


SITE

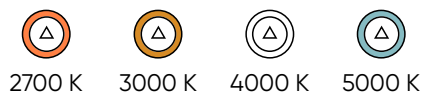
A professional light fixture designed to illuminate open spaces surrounding the building, such as parking lots, local areas, and entrance zones. It comes equipped with accessories for installation on various types of supports, making it suitable for lighting parks and recreational areas. The standard version, with a power output of 25W, enables effective placement of the luminaire at heights of up to 5 meters.



Application



SITE



CRI
≥80 (for white color)

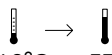
Color Binning
2 MacAdam ellipses for white,
±3 nm for color LED

Power factor
>0,9

Voltage
230 V AC

IP66 IK08 

Lifespan
not less than 50 000 hours

 → 
- 40°C + 55°C

Controls, protocols
On/Off

Materials
luminaire, bracket – cast aluminum
diffuser – silicate glass

Standard RAL colors

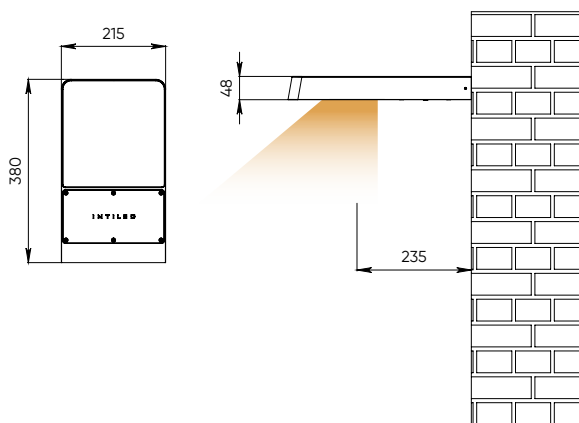


Standard coating type
moire

Accessories
brackets
support

Customization
controls LoRa
tunable white (TW) version

Available custom versions



weight, kg
5



INTILED control systems

We independently design and produce not only lighting fixtures but also comprehensive control systems, including software for lighting design and management, entirely in-house.

software for the design and management of lighting systems



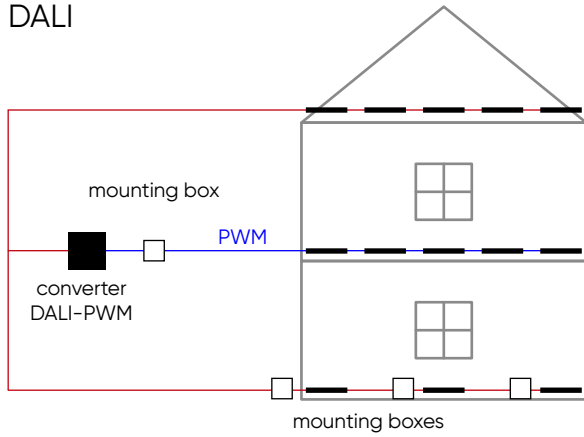
hardware for constructing control systems

- controllers
- converters
- splitters
- power modules
- extension cables
- and other essential control system accessories

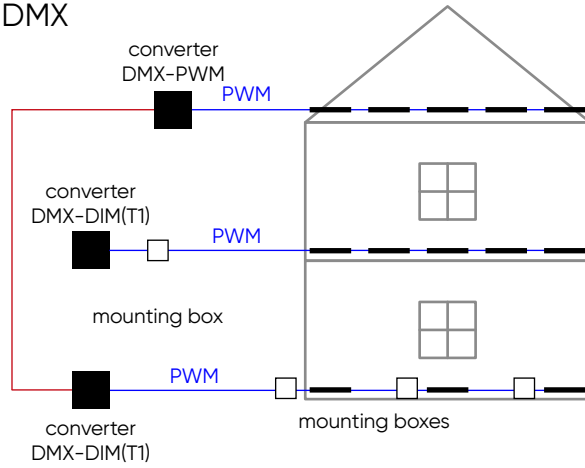
Standard control system design schemes

1) Control system layout incorporating dimming

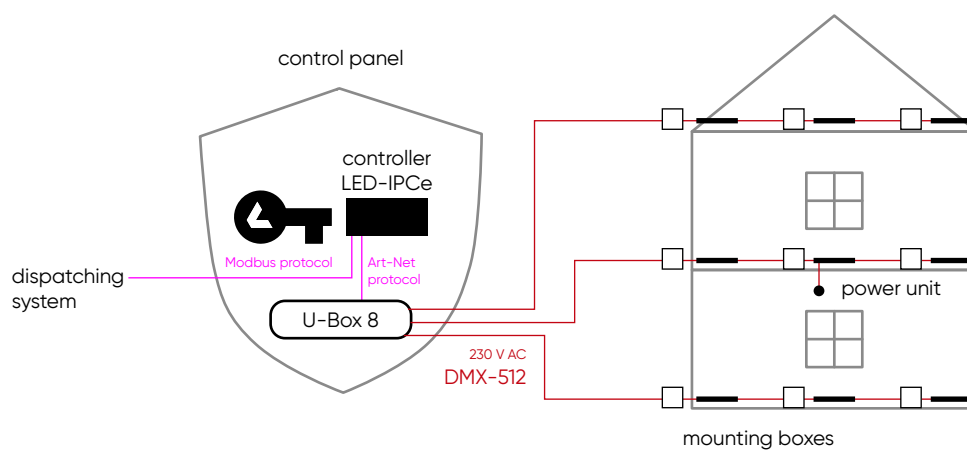
DALI



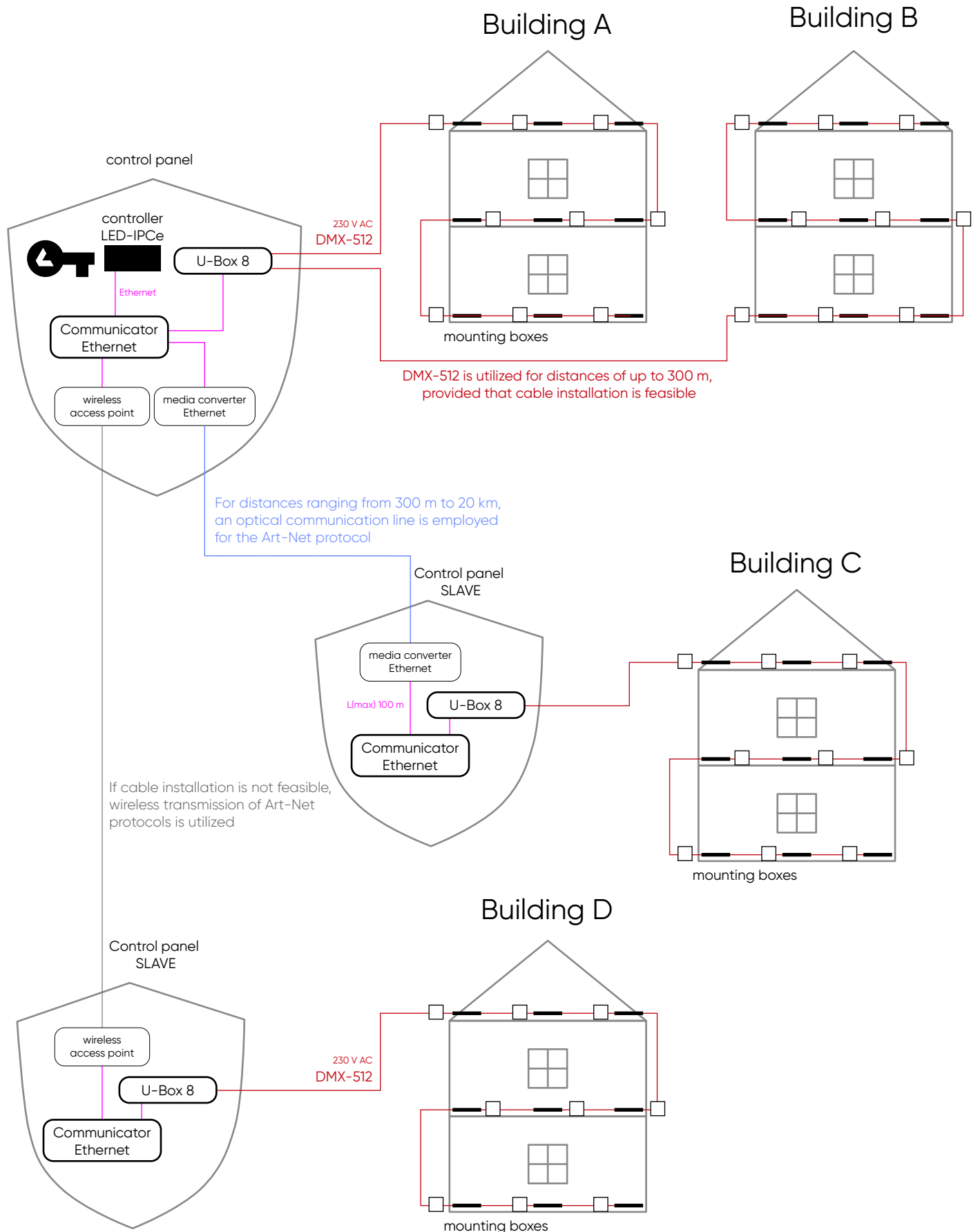
DMX



2) Control system layout utilizing DMX-512



3) Building Group Control System Design



Compatible components of the control system

	Controller LED IPCe	Key LIGHTCAD	Splitter DMX (B1T2)	Splitter DMX (B4)
LINE	+	+	+	+
LINE fc	+	+	+	+
SLIM	+	+	+	+
SLIM fc	+	+	+	+
IntiSLIM	+	+	+	+
LINEUP	-	-	-	-
IntiSTARK bb	+	+	+	+
IntiSTARK	+	+	+	+
BOX	+	+	+	+
BOX fc	+	+	+	+
BOX duo	+	+	+	+
RAY	+	+	+	+
PILL	-	-	-	-
KUB	+	+	+	+
KUB fc	+	+	+	+
SPOT	+	+	+	+
SPOT fc	+	+	+	+
IntiTOP	+	+	+	+
IntiSPOT	+	+	+	+
EDGE	+	+	+	+
EDGE-mini	+	+	+	+
IntiTWIN	+	+	+	+
TWIN	-	-	-	-
IntiTUBE	+	+	-	-
IntiPOINT	+	+	-	-
IntiDOT	+	+	+	+
DOT	+	+	+	+
IntiGROUND	+	+	+	+
IntiGROUND-midi	+	+	+	+
GROUND-mini	+	+	+	+
IntiBEAM	-	-	-	-
ZENITH	-	-	+	+
LACE	+	+	+	+
LACE 3D	+	+	+	+
WALL	+	+	+	+
MARK	-	-	-	-
SITE	-	-	-	-

Compatible components of the control system

	Controller LED IPCe	Key LIGHTCAD	Splitter DMX (B1T2)	Splitter DMX (B4)
LINE	+	+	+	+
LINE fc	+	+	+	+
SLIM	+	+	+	+
SLIM fc	+	+	+	+
IntiSLIM	+	+	+	+
LINEUP	-	-	-	-
IntiSTARK bb	+	+	+	+
IntiSTARK	+	+	+	+
BOX	+	+	+	+
BOX fc	+	+	+	+
BOX duo	+	+	+	+
RAY	+	+	+	+
PILL	-	-	-	-
KUB	+	+	+	+
KUB fc	+	+	+	+
SPOT	+	+	+	+
SPOT fc	+	+	+	+
IntiTOP	+	+	+	+
IntiSPOT	+	+	+	+
EDGE	+	+	+	+
EDGE-mini	+	+	+	+
IntiTWIN	+	+	+	+
TWIN	-	-	-	-
IntiTUBE	+	+	-	-
IntiPOINT	+	+	-	-
IntiDOT	+	+	+	+
DOT	+	+	+	+
IntiGROUND	+	+	+	+
IntiGROUND-midi	+	+	+	+
GROUND-mini	+	+	+	+
IntiBEAM	-	-	-	-
ZENITH	-	-	+	+
LACE	+	+	+	+
LACE 3D	+	+	+	+
WALL	+	+	+	+
MARK	-	-	-	-
SITE	-	-	-	-

Converters

	U-Box 2/4/8	Din-Box 2/6/8	DMX-DIM (T1)	DMX-3W (B1T2)	DMX-3W (U1)	DMX-DIM (T1)	DMX-PWM	DMX-PWM
LINE	+	+	+	-	-	-	-	-
LINE fc	+	+	+	-	-	-	-	-
SLIM	+	+	-	+	+	+	-	-
SLIM fc	+	+	-	+	+	+	-	-
IntiSLIM	+	+	+	+	+	+	-	-
LINEUP	-	-	-	-	-	-	-	-
IntiSTARK bb	+	+	+	-	-	-	-	-
IntiSTARK	+	+	+	-	-	-	-	-
BOX	+	+	+	-	-	-	-	-
BOX fc	+	+	+	-	-	-	-	-
BOX duo	+	+	+	-	-	-	-	-
RAY	+	+	+	-	-	-	-	-
PILL	-	-	-	-	-	-	-	-
KUB	+	+	+	-	-	-	-	-
KUB fc	+	+	+	-	-	-	-	-
SPOT	+	+	+	-	-	-	-	-
SPOT fc	+	+	+	-	-	-	-	-
IntiTOP	+	+	+	-	-	-	-	-
IntiSPOT	+	+	+	-	-	-	-	-
EDGE	+	+	+	-	-	-	-	-
EDGE-mini	+	+	+	-	-	-	-	-
IntiTWIN	+	+	+	-	-	-	-	-
TWIN	-	-	-	-	-	-	-	-
IntiTUBE	+	+	-	+	+	+	-	-
IntiPOINT	+	+	-	+	+	+	-	-
IntiDOT	+	+	+	-	-	-	-	-
DOT	+	+	+	-	-	-	-	-
IntiGROUND	+	+	+	-	-	-	-	-
IntiGROUND-midi	+	+	+	-	-	-	-	-
GROUND-mini	+	+	+	-	-	-	-	-
IntiBEAM	-	-	-	-	-	-	-	-
ZENITH	-	-	-	-	-	-	-	-
LACE	+	+	-	-	-	-	+	+
LACE 3D	+	+	-	-	-	-	+	+
WALL	+	+	+	-	-	-	-	-
MARK	-	-	-	-	-	-	-	-
SITE	-	-	-	-	-	-	-	-

Power modules

Serial code*	W	V DC
I T	25	24 48
	40	
	60	
	100	
	185	
	240	
	150	
I	320	

* I – with socket
T – with socket and plug

Extension cables

KU-1.1.0-1

IntiPOINT IntiTUBE IntiSLIM SLIM	KU	plug	socket	extension	length
		0 no 1 yes	0 no 1 yes	0 no 1 yes	0,3 300 cm 20 20 000 cm

KU-0.12.10-1

IntiDOT	KU	plug	socket	extension	length
		0 no 12 yes	12 yes	10 yes	1 100 cm 30 30 000 cm

KU-7.7.2-1

LINE 230 V AC	KU	plug	socket	extension	length
		0 no 7 yes	0 no 7 yes	0 no 2 yes	0,5 50 cm 10 1 000 cm

KU-8.8.6-1

LINE DMX-512	KU	plug	socket	extension	length
		0 no 8 yes	8 yes	0 no 6 yes	0,5 50 cm 10 1 000 cm

Cable assemblies

Serial code	Type	Length, m	Luminaire
J3F-500	socket	0,5	IntiPOINT IntiTUBE IntiSLIM SLIM
J3M-500	plug		
Q3F-300	socket 230 V AC	0,3	LINE
Q3M-300	plug		
J5F-DMX-1000	socket DMX-512	1	LINE
J5M-DMX-1000	plug		

Adapter

Serial code	Plug	Socket	Length, m
NE3M-J3F	NE3	J3F	150
NE3F-J3M	J3M	NE3	

Terminators

Serial code	Type	Controls
J5F-120R	to the socket	DMX-512
J5M-120R	to the plug	

End caps

Serial code	Type
J3M	to the plug
Q3M	
J3F	to the socket
Q3F	

 intiled.com
 info@intiled.ru

 **Dubai**
+971589001926