

RAY
INTILED



about the series

INTILED
RAY

Smart design in basic mid-power projector:
maximum functionality placed into minimal
dimensions. RAY luminaire is designed
for flood and accent architectural lighting.

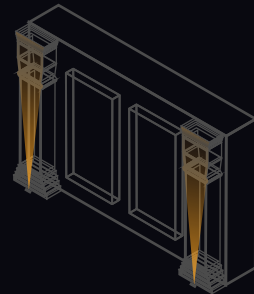


application

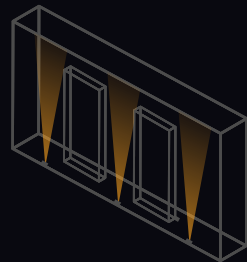
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accent lighting

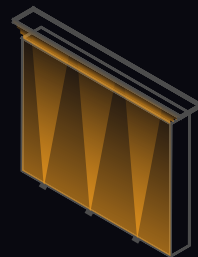
10°+ inner honeycomb louvre,
2 types of screens: 50 and 100mm high



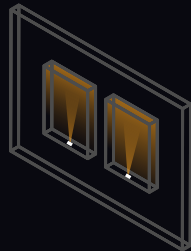
10x50° + inner honeycomb louvre,
2 types of screens: 50 and 100mm high
10a30°



35x105°, 10a30° + diffuser

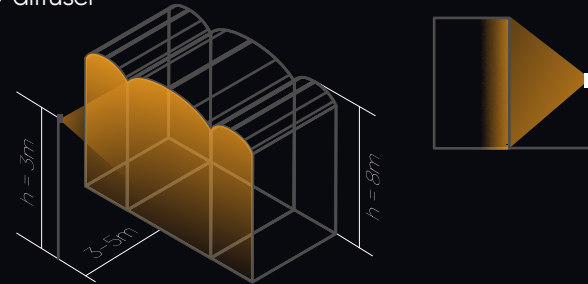


10x50° + 2 types of screens: 50 and 100 mm high

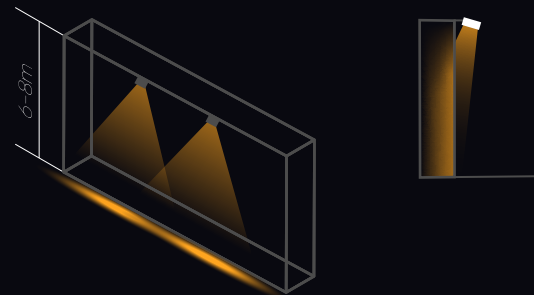


flood lighting

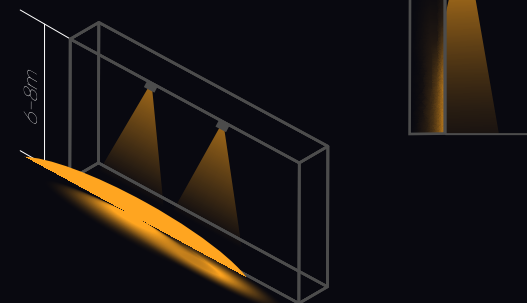
frontal
10°, 30° + inner honeycomb louvre
60° + diffuser



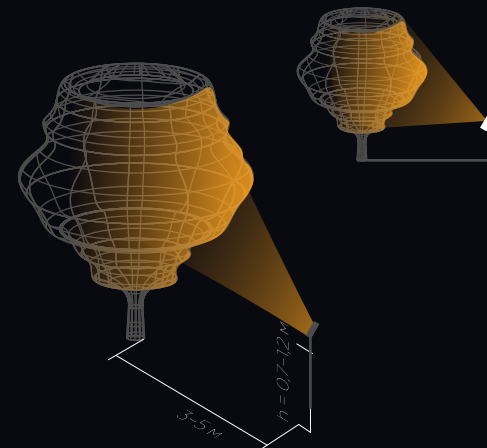
sliding facade lighting
35x105° + diffuser



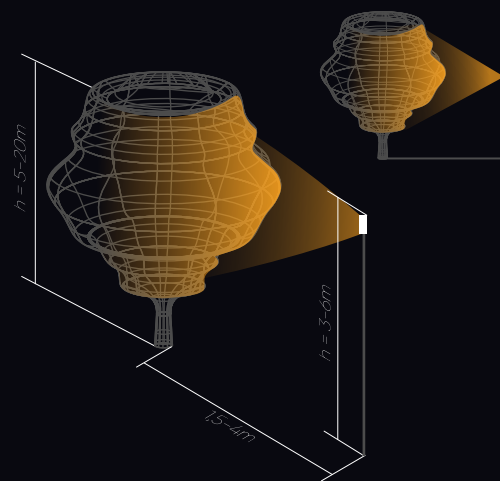
sliding lighting of the facade and ground
10x50°



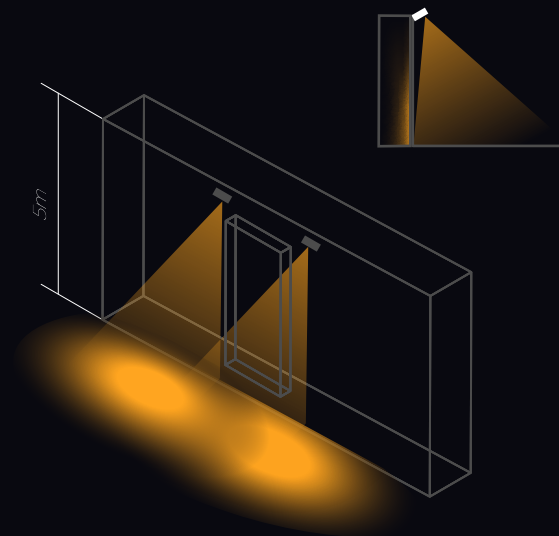
grazing lighting
30° + inner honeycomb louvre
60° + 2 types of screens: 50 and 100 mm high, diffuser
10a30°



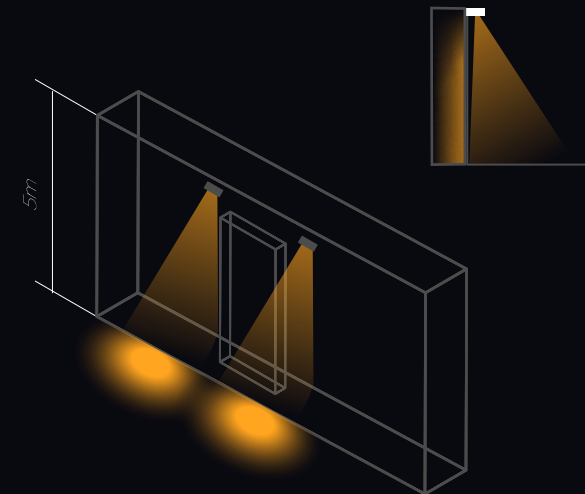
frontal
30° + inner honeycomb louvre
60° + 2 types of screens: 50 and 100 mm high, diffuser
10a30°



sliding lighting of the territory
35x105° + diffuser



sliding lighting of the building and territory
60° + 2 types of screens: 50 and 100 mm high, diffuser



application

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lighting effect

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specific features

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Special LEDs with primary optics,
designed for use in architectural
lighting

Thoughtful hexagonal LED placement
ensures optimal color mixing for pure,
rich colors with minimized unwanted
light effects



specific features

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A precise LED placement and a highly efficient optics ensures optimal lighting effect for each specific purpose, without glare.

Tempered impact resistant glass reliably protects the components from external influences and maintains the light transmittance over time.

New level of control through RDM technology: a constant monitoring of the luminaire status and the lighting system feedback.



specific features

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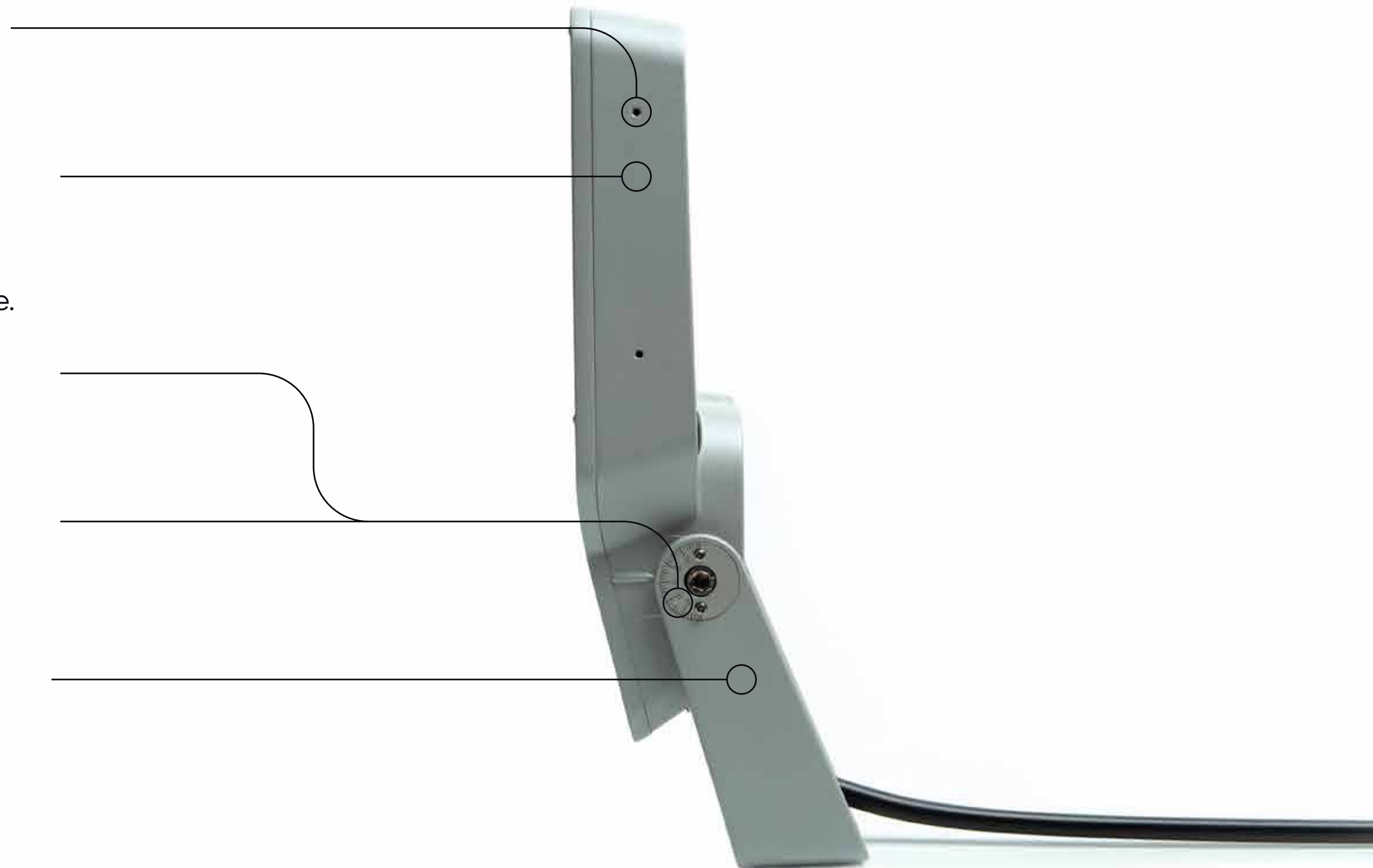
Designated mounting locations for accessories.

Smart design. A special arrangement of the components provides an excellent heat dissipation and increases the service life and reliability of the luminaire.

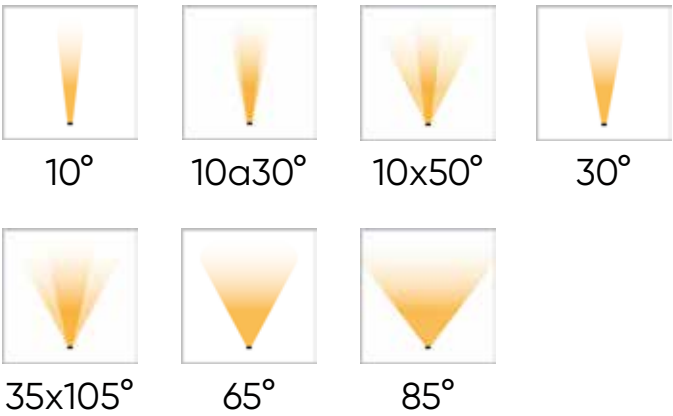
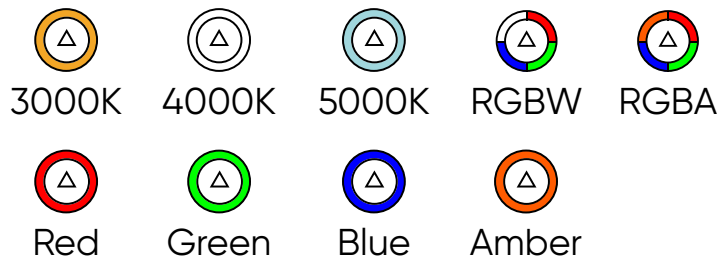
Bracket as an integral part of the luminaire. The beveled shape of the bracket allows the luminaire to be mounted without removing the bracket from the body.

Double fixation bracket. Nord-Lock® washer secures the threaded parts and effectively prevents their loosening over time.

A scale with a rotation angle simplifies the aiming and installation in the exact specified position.



characteristics



Wattage, W

monochrome: 17-24
multichannel: 5-26

Delivered lumen output, lm

monochrome: 380-1950
multichannel: 90-1400

Voltage

230 V AC

IP65 IK09



Controls, protocols

monochrome: on/off,
multichannel: DMX-512 + RDM

Controls, pixel size

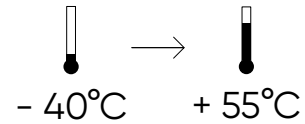
1 luminaire – 1 pixel

Technologies (see page 12)



Lifespan

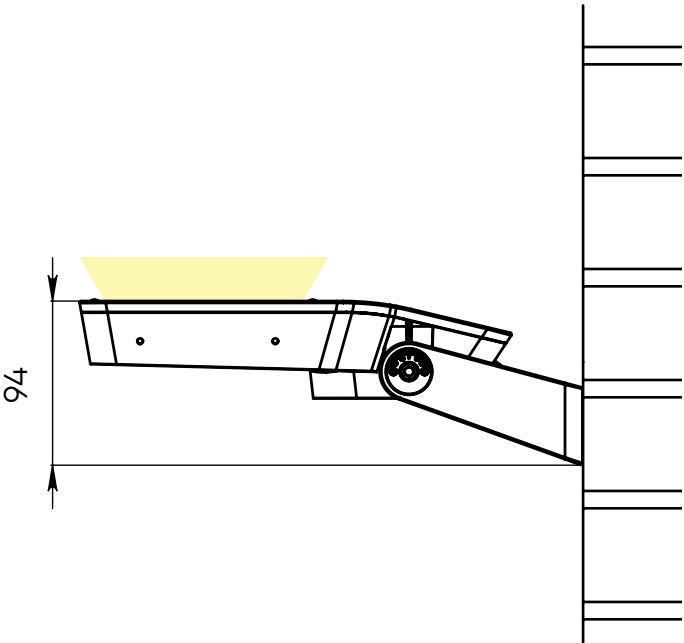
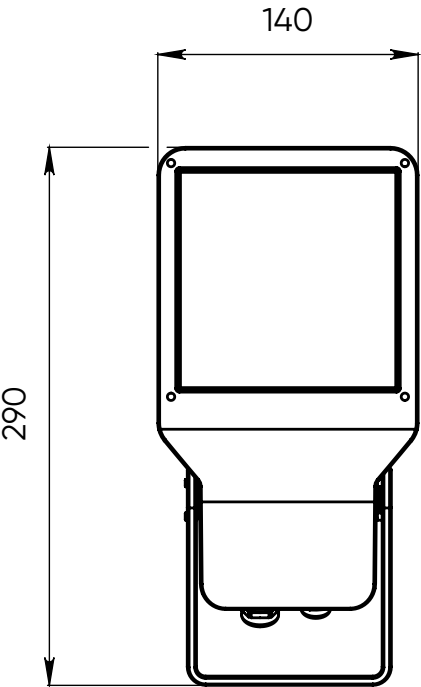
not less than 50 000 hours



Weight, kg

2

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accessories and control system devices

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	swive	1
	RAY-02-150		2
	RAY-03-100	static	2

Control system devices

LIGHTCAD software key

x2 x64
x8 x128
x32 x512

Controller

LED-IPCe
LED-IPCs

Converter

U-Box 4/8
Din-Box 2/6/8
USB-ILCS

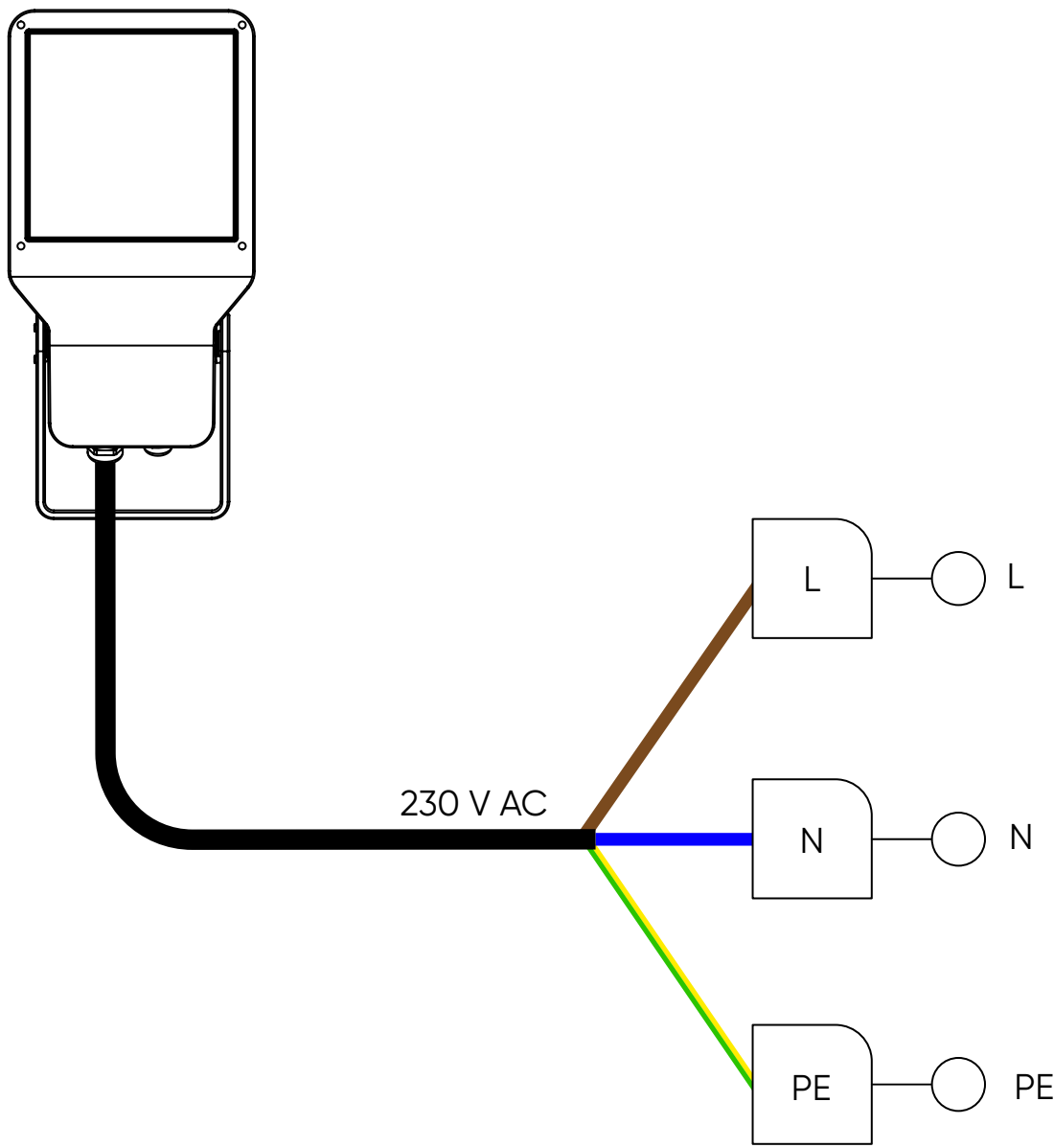
Splitter

DMX (B1T2)/(B4)

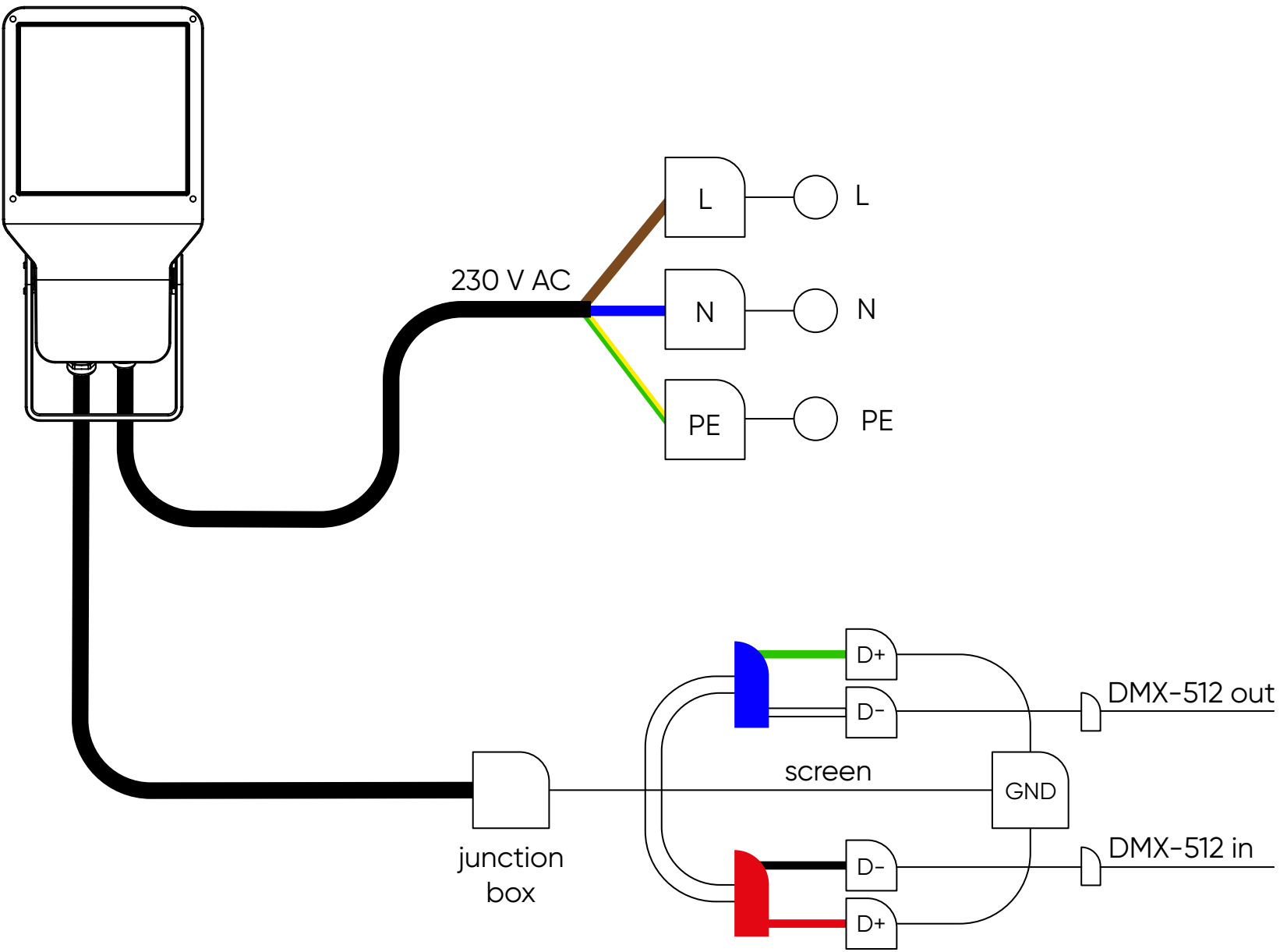
connection diagrams

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White color luminaire

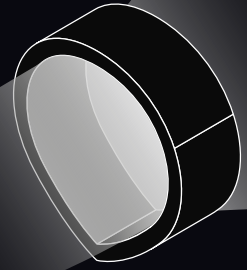


Color dynamic luminaire



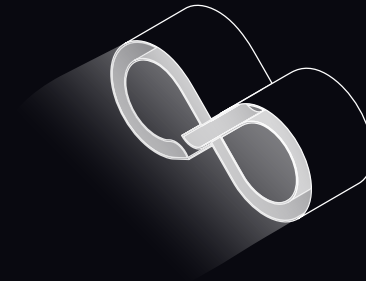
technologies

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Truelight™

A comprehensive system of solutions and approaches that enables flawless lighting effects regardless of the light colour, optic type, or fixture design.



EternalTechnology®

The continuous internal temperature monitoring technology of the lighting fixture.



Aquatech™

The multi-stage water protection technology used in all INTILED fixtures with IP66 to IP68 ratings.

projects

General Tutolmin's house
Saint Petersburg

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projects

Kant Island
Kaliningrad



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projects

Nizami Ganjavi Park
Derbent

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RAY



projects

Young Spectator's Theatre
Perm

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projects

Sevkabel Port Bar Line
Saint Petersburg

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RAY



projects

Gagarinsky Bridge
Moscow

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projects

Headquarters of NII PG LLC
Saint Petersburg

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projects

Rimsky-Korsakov State Conservatory
Saint Petersburg

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projects

Symbol of Hope Monument
Norilsk

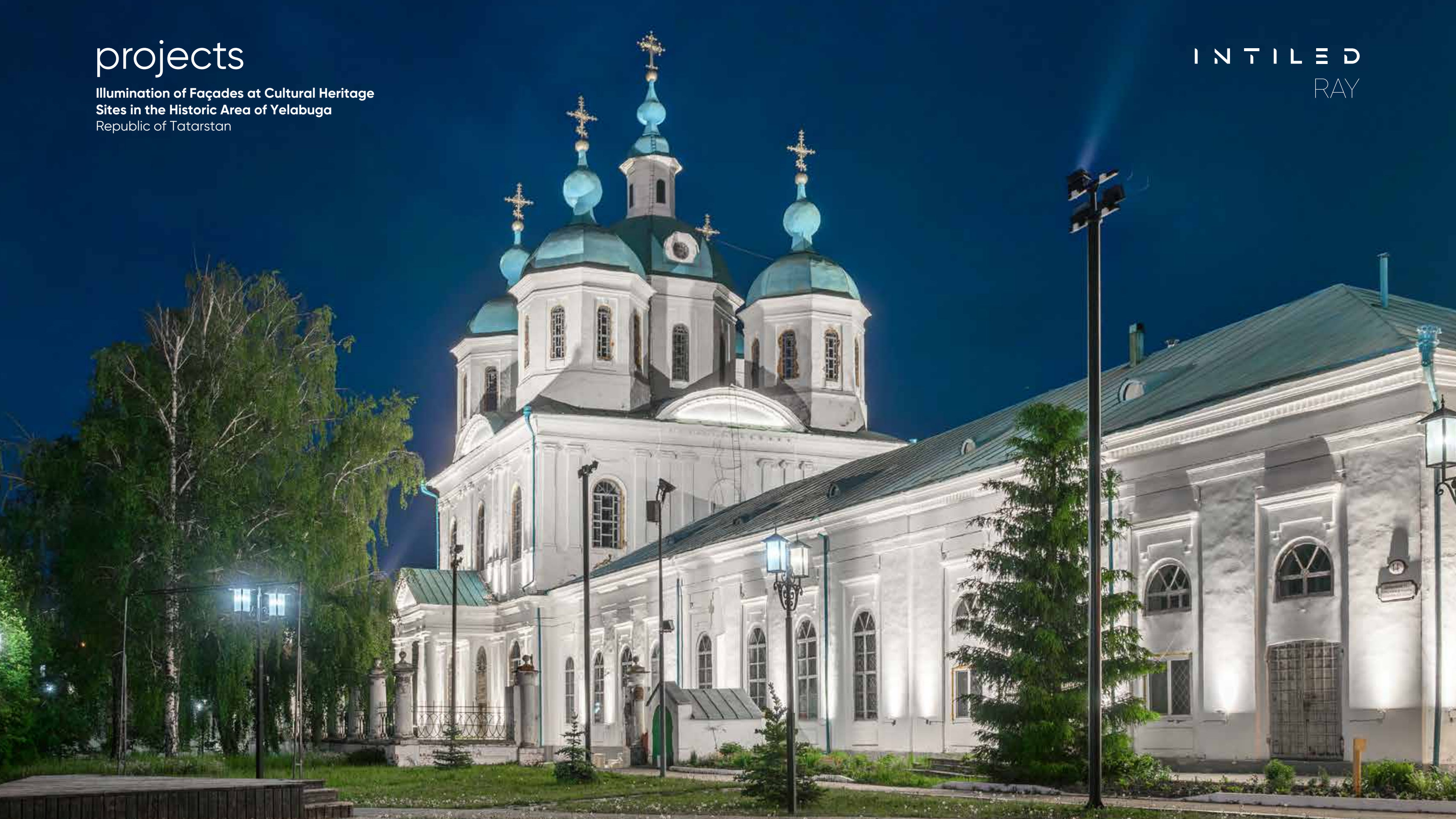
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projects

Illumination of Façades at Cultural Heritage
Sites in the Historic Area of Yelabuga
Republic of Tatarstan

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projects

Medovy Bridge
Kaliningrad

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projects

State Academic Opera and Ballet Theatre
Ekaterinburg

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customization

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Controls, protocols

monochrome: on/off, DMX-512, DMX-512 + RDM

Connectors

IP68

Cable length

up to 5m

Voltage

24, 48 V DC

Customized for a specific project

light color

wattage

Available custom versions (see page 26)



version

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Tropical

Is a special version of INTILED luminaires designed for use in hot climate regions. This version ensures stable operation at elevated ambient temperatures (up to +55 °C) as well as high humidity levels (up to 100%).



Arctic

Is a special version of INTILED luminaires designed for use in the Far North regions. This version ensures stable operation at low ambient temperatures (down to -55 °C). The Arctic version also features a soft-start system and a glass heating system.



Marine

Marine version is a special version of INTILED luminaires designed for use on bridges and other facilities in coastal areas. This version provides additional protection against high humidity (up to 100%), as well as enhanced sealing of internal components to improve the luminaire's resistance to vibration. The marine version may also include a mounting system with increased protection against vibration loads.



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Light. Done right.