

VRTEC LAPORJE

Instalacija : Splosna razsvetljava objekta

Številka projekta : VRTEC LAPORJE B04

Stranka : SMEL, Marko Sevšek

Projektiral : Zvonko Arčon

Datum : 12.03.2018

Sledeče vrednosti bazirajo na natančnem izračunu na kalibriranih sijalkah, svetilkah in njihovi postavitvi. V praksi lahko pride do odstopanj.

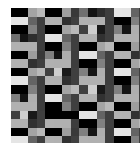
Garancijske zahteve vezane na datoteke svetilk so izključene. Proizvajalec ne prevzema nobenega poročstva za posledično škodo oz. škodo, ki je bila povzročena uporabniku ali tretji osebi.

1 Podatki o svetilkah

1.1 Disano, S01... (!Fosnova Tortuga LED 28W 4000k CLD...)

1.1.1 Podatkovni list

Proizvod: Disano



!Fosnova Tortuga LED 28W 4000k CLD CELL 2204241300
appliqués - Surface-Mounted S01

Fosnova - LED SOLUTIONS - Wall

Housing: vandal-resistant, self-extinguishing polycarbonate.

Diffuser: In clear polycarbonate, anti-dazzle, vandal resistant.

EM version: 3h.

Manufactured in accordance with EN 60598-CEI 34-21 standards. Degree of protection in accordance with EN 60529 standards.

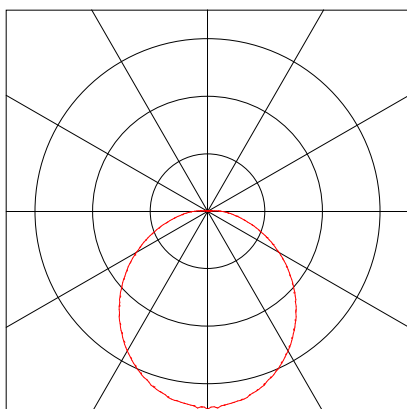
Podatki o svetilki

Absolutna fotometrija
svetilna učinkovitost : 83.21 lm/W
Razvrščanje : A41 -97.2% ↑2.8%
CIE Flux Codes : 46 76 93 97 100
UGR 4H 8H : 22.9 / 22.9
Moč : 28 W
Svetlobni tok : 2330 lm

S sijalkami

Število : 1
Opis : led_t28_4000
Barva : 4000K
Barvni videz : 80

Mere : Ø400 mm x 95 mm

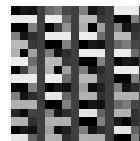


1 Podatki o svetilkah

1.2 Disano, S02 (!Disano 960 33 W CLD CELL 16475400)

1.2.1 Podatkovni list

Proizvod: Disano



!Disano 960 33 W CLD CELL 16475400 Disano - LED SOLUTIONS - Waterproof LED - Surface-Mounted S02

The high technological expertise achieved by the Disano Group in both the design and industrial manufacturing of lighting fixtures has resulted in the creation of a new watertight LED fixture. New Hydro LED features a modern design that blends well into any type of setting.

Housing: injection moulded, in grey polycarbonate, shatter-proof, UV-stabilised, highly resistant to mechanical impacts thanks to the reinforced structure with internal ribbing.

Diffuser: injected moulded in polycarbonate with internal ribbing for greater lighting control, in V2 self-extinguishing, UV-stabilised material; its smooth outer finish makes cleaning easier and increases lighting efficiency. Equipped with stainless steel screw clamping.

Reflector: in galvanised steel, previously stone-enamelled with UV-stabilised polyester resin. Clamping device manufactured directly onto the housing.

Dimensions: L 1260mm - 102mm - 120mm

Standard supply: eco-friendly and anti-aging expanded polyurethane injected gasket. The fixing brackets for ceiling and suspension mounting are in stainless steel. Socket-plug connector. The fixture is secured to the fixing brackets through quick connectors.

Regulations: manufactured in compliance with EN60598-1, EN60598-2-1. Degree of protection: pursuant to EN60598-1.

LED:

2950lm - 4000K - CRI>80 - 18W

3750lm - 4000K - CRI>80 - 24W

5460lm - 4000K - CRI>80 - 33W

7510lm - 4000K - CRI>80 - 46W

Power factor: ≥ 0.95

Luminous flux maintenance after 50.000 hrs: L70B20.

Photobiological safety class: exempt

Low Flicker Risk

Ambient temperature: -30°C to + 40°C

Upon request:

-New Hydro LED with narrow beam: subcode -22;

-With radar sensor for ON-OFF fixtures: subcode -19;

-New Hydro LED with pass-through wiring for continuous line mounting: subcode -0072.

- Emergency wiring with centralized power supply CLD CELL-EC (sub-code -0050).

1 Podatki o svetilkah

1.2 Disano, S02 (!Disano 960 33 W CLD CELL 16475400)

1.2.1 Podatkovni list

For installations with direct exposure to sunlight, we recommend using Forma LED.

This lighting fixture meets the global standards of the International Food Safety (IFS), the British Retail Consortium (BRC) and the HACCP Directive regarding the safety of the lighting systems in the food industry. In any case, it will be necessary to contact appointed designers and Disano's consultancy office to check the compatibility of materials with the food products processed and in all industrial environments where sanitizing systems are installed.

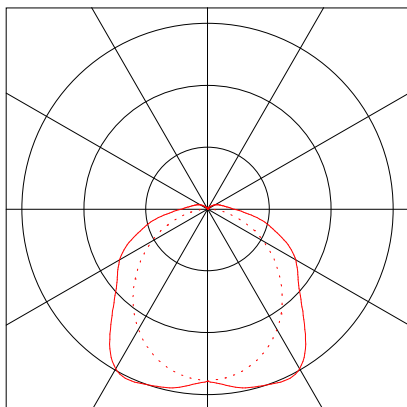
Podatki o svetilki

Absolutna fotometrija
svetilna učinkovitost : 137.68 lm/W
Razvrščanje : A31 - 93.9% ↑ 6.1%
CIE Flux Codes : 44 74 91 94 100
UGR 4H 8H : 23.9 / 21.8
Moč : 37 W
Svetlobni tok : 5094 lm

S sijalkami

Število : 1
Opis : led_33w_960
Barva : 4000K
Barvni videz : 80

Mere : 1260 mm x 120 mm x 102 mm

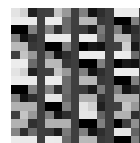


1 Podatki o svetilkah

1.3 Disano, S03 (!Disano 708 LED CLD CELL 14302500)

1.3.1 Podatkovni list

Proizvod: Disano



!Disano 708 LED CLD CELL 14302500 **Disano - LED SOLUTIONS - Civil and Commercial Interiors - Surface-Mounted S03**

Housing: made of sheet steel.

Reflector: white aluminium.

Diffuser: semi-sphere in micro-perforated sheet metal.

Supplied without brackets: when not contact mounted, use brackets acc. 900.
LED: 48W - 7520lm - 4000K - CRI?80

Luminous flux maintenance 80% 50.000h (L80B20)

Photobiological safety class: exempt group.

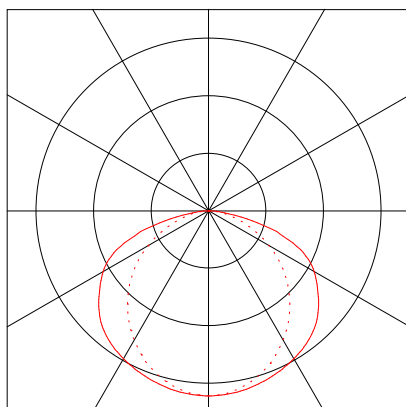
Podatki o svetilki

Absolutna fotometrija
svetilna učinkovitost : 53.89 lm/W
Razvrščanje : A40 -100.0% ↑0.0%
CIE Flux Codes : 44 77 96 100 100
UGR 4H 8H : 22.1 / 19.0
Moč : 55.2 W
Svetlobni tok : 2975 lm

S sijalkami

Število : 1
Opis : led_808
Barva : 4000K
Barvni videz : 80

Mere : 596 mm x 596 mm x 120 mm

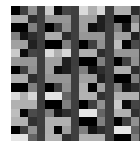


1 Podatki o svetilkah

1.4 Disano, S04 (!Disano 960 24w CLD CELL 16475200)

1.4.1 Podatkovni list

Proizvod: Disano



!Disano 960 24w CLD CELL 16475200 Disano - LED SOLUTIONS - Waterproof LED - Surface-Mounted S04

The high technological expertise achieved by the Disano Group in both the design and industrial manufacturing of lighting fixtures has resulted in the creation of a new watertight LED fixture. New Hydro LED features a modern design that blends well into any type of setting.

Housing: injection moulded, in grey polycarbonate, shatter-proof, UV-stabilised, highly resistant to mechanical impacts thanks to the reinforced structure with internal ribbing.

Diffuser: injected moulded in polycarbonate with internal ribbing for greater lighting control, in V2 self-extinguishing, UV-stabilised material; its smooth outer finish makes cleaning easier and increases lighting efficiency. Equipped with stainless steel screw clamping.

Reflector: in galvanised steel, previously stone-enamelled with UV-stabilised polyester resin. Clamping device manufactured directly onto the housing.

Dimensions: L 1260mm - 102mm - 120mm

Standard supply: eco-friendly and anti-aging expanded polyurethane injected gasket. The fixing brackets for ceiling and suspension mounting are in stainless steel. Socket-plug connector. The fixture is secured to the fixing brackets through quick connectors.

Regulations: manufactured in compliance with EN60598-1, EN60598-2-1. Degree of protection: pursuant to EN60598-1.

LED:

2950lm - 4000K - CRI>80 - 18W

3750lm - 4000K - CRI>80 - 24W

5460lm - 4000K - CRI>80 - 33W

7510lm - 4000K - CRI>80 - 46W

Power factor: ≥ 0.95

Luminous flux maintenance after 50.000 hrs: L70B20.

Photobiological safety class: exempt

Low Flicker Risk

Ambient temperature: -30°C to + 40°C

Upon request:

-New Hydro LED with narrow beam: subcode -22;

-With radar sensor for ON-OFF fixtures: subcode -19;

-New Hydro LED with pass-through wiring for continuous line mounting: subcode -0072.

- Emergency wiring with centralized power supply CLD CELL-EC (sub-code -0050).

1 Podatki o svetilkah

1.4 Disano, S04 (!Disano 960 24w CLD CELL 16475200)

1.4.1 Podatkovni list

For installations with direct exposure to sunlight, we recommend using Forma LED.

This lighting fixture meets the global standards of the International Food Safety (IFS), the British Retail Consortium (BRC) and the HACCP Directive regarding the safety of the lighting systems in the food industry. In any case, it will be necessary to contact appointed designers and Disano's consultancy office to check the compatibility of materials with the food products processed and in all industrial environments where sanitizing systems are installed.

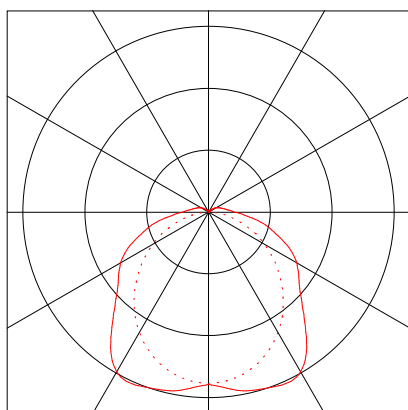
Podatki o svetilki

Absolutna fotometrija	
svetilna učinkovitost	: 113.42 lm/W
Razvrščanje	: A31 - 93.9% ↑ 6.1%
CIE Flux Codes	: 44 74 91 94 100
UGR 4H 8H	: 22.2 / 20.1
Moč	: 27.5 W
Svetlobni tok	: 3119 lm

S sijalkami

Število	: 1
Opis	: led_24w_960
Barva	: 4000K
Barvni videz	: 80

Mere : 1260 mm x 120 mm x 102 mm



Objekt : VRTEC LAPORJE
Instalacija : Splosna razsvetljava objekta
Številka projekta : VRTEC LAPORJE B04
Datum : 12.03.2018

1 Podatki o svetilkah

1.5 DURALAMP, S05... (!Fosnova STRIP LED IP65 14,4 W 25%...)

1.5.1 Podatkovni list

Proizvod: DURALAMP

!Fosnova STRIP LED IP65 14,4 W 25% 22485117SPEC

S05

Podatki o svetilki

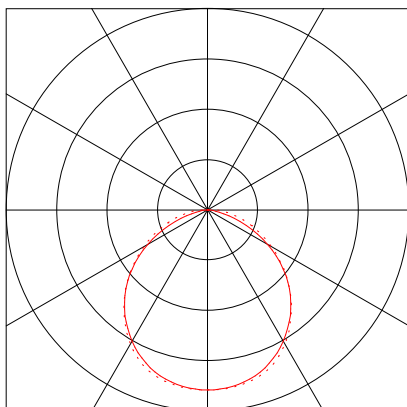
Svetlobni izkoristek svetilke : 100%
svetilna učinkovitost : 57.14 lm/W
Razvrščanje : A40 □ 99.9% ↑ 0.1%
CIE Flux Codes : 48 79 95 100 100
UGR 4H 8H : 22.9 / 24.4
Moč : 26.25 W
Svetlobni tok : 1500 lm

Mere : 5000 mm x 10 mm x 3 mm

S sijalkami

Število : 1
Opis :

Moč : 72 W
Barva : 3000
Svetlobni tok : 1500 lm
Barvni videz : 95



Objekt : VRTEC LAPORJE
Instalacija : Splosna razsvetljava objekta
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1 Podatki o svetilkah

1.6 disano, S06... (!Fosnova Speaker 1 3000 K CLD CELL...)

1.6.1 Podatkovni list

Proizvod: disano

**!Fosnova Speaker 1 3000 K CLD CELL 2208441000 Fosnova - LED SOLUTIONS - Recessed
downlights - Recessed S06**

Housing: in aluminium

Painting: dust painted, using polyester epoxy paint to withstand UV rays.

Standard supply: Includes adjustable steel bracket.

Regulations: Manufactured in accordance with standards EN60598-1, EN60598-2-2.

LED: high-efficiency light sources 1200/1300lm - 13W - 3000/4000K - CRI 80

Power factor: ≥ 0.95

Photobiological safety class: Exempt group.

Luminous flux maintenance 70%: 30.000h (L70B50).

recessed $\varnothing$ 154/186mm

Podatki o svetilki

Absolutna fotometrija

svetilna učinkovitost : 85.71 lm/W

Razvrščanje : A50 $\square$ 100.0% $\uparrow$ 0.0%

CIE Flux Codes : 58 91 99 100 100

UGR 4H 8H : 23.2 / 23.2

Predstikalna naprava : CELL

Moč : 14 W

Svetlobni tok : 1200 lm

S sijalkami

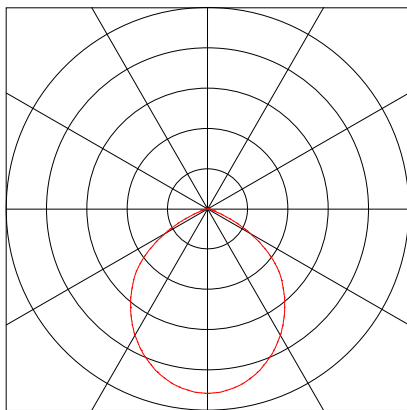
Število : 1

Opis : led_sp1_3000

Barva : 3000K

Barvni videz : 80

Mere : $\varnothing$ 188 mm x 0.0 mm



1 Podatki o svetilkah

1.7 disano, S07... (!Fosnova Slimcover LED 36 W CLD CE...)

1.7.1 Podatkovni list

Proizvod: disano



!Fosnova Slimcover LED 36 W CLD CELL 2218381000 Fosnova - LED SOLUTIONS - Wall appliques - Surface-Mounted on Wall S07

Their extremely rapid and easy installation together with their simple yet elegant design, make this series of products ideal for offices, lobbies and open-space areas. Their tasteful design and luminous efficiency create lighting effects full of atmosphere.

Housing: Extruded aluminium.

Regulations: Produced according to applicable EN60598-1 CEI 34-21 standards, degree of protection according to EN 60529 standards.

LED: high-efficiency light sources

4 moduli 24W 1730lm - 3000K - CRI80

6 moduli 36W 2600lm - 3000K - CRI80

8 moduli 48W 3740lm - 3000K - CRI80

Power factor: >0,95

Luminous flux maintenance 80%: 50.000h (L80B20).

Photobiological safety class: exempt group EN62471.

Podatki o svetilki

Absolutna fotometrija

svetilna učinkovitost : 62.55 lm/W

Razvrščanje : D12 □ 27.6% ↑ 72.4%

CIE Flux Codes : 10 36 73 28 100

UGR 4H 8H : 15.3 / <10.0

Predstikalna naprava : CLD CELL-D

Moč : 41.6 W

Svetlobni tok : 2602 lm

S sijalkami

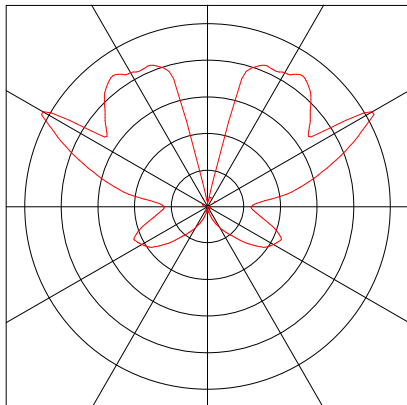
Število : 1

Opis : LED/sc935

Barva : 3000K

Barvni videz : 80

Mere : 935 mm x 71 mm x 87 mm



Objekt : VRTEC LAPORJE
Instalacija : Splosna razsvetljava objekta
Številka projekta : VRTEC LAPORJE B04
Datum : 12.03.2018

1 Podatki o svetilkah

1.8 disano, S08... (!Fosnova Speaker 2 3000 K CLD CELL...)

1.8.1 Podatkovni list

Proizvod: disano

**!Fosnova Speaker 2 3000 K CLD CELL 2208441500 Fosnova - LED SOLUTIONS - Recessed
downlights - Recessed S08**

Housing: in aluminium

Painting: dust painted, using polyester epoxy paint to withstand UV rays.

Standard supply: Includes adjustable steel bracket.

Regulations: Manufactured in accordance with standards EN60598-1, EN60598-2-2.

LED: high-efficiency light sources 1900/2000lm - 19W - 3000/4000K - CRI 80

Power factor: ≥ 0.95

Photobiological safety class: Exempt group.

Luminous flux maintenance 70%: 30.000h (L70B50).

recessed $\varnothing$ 202/238mm

Podatki o svetilki

Absolutna fotometrija

svetilna učinkovitost

: 83.88 lm/W

Razvrščanje

: A50 $\square$ 100.0% $\uparrow$ 0.0%

CIE Flux Codes

: 54 88 99 100 100

UGR 4H 8H

: 24.2 / 24.2

Predstikalna naprava

: CELL

Moč

: 24 W

Svetlobni tok

: 2013 lm

S sijalkami

Število

: 1

Opis

: led_sp2_3000

Barva

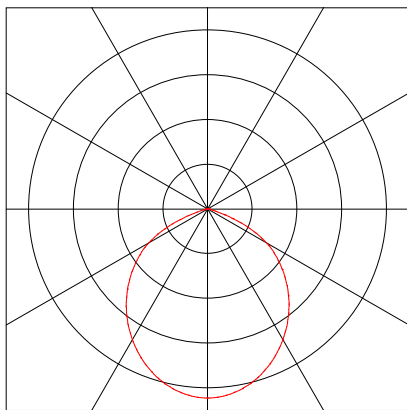
: 3000K

Barvni videz

: 80

Mere

: $\varnothing$ 240 mm x 0.0 mm



1 Podatki o svetilkah

1.9 disano, S09... (!Fosnova iSpot Comfort 2 CLD CELL...)

1.9.1 Podatkovni list

Proizvod: disano



!Fosnova iSpot Comfort 2 CLD CELL 2216791000 Fosnova - LED SOLUTIONS - Recessed downlights
- Recessed S09

Housing: made of die-cast aluminium equipped with finishing ring.

Reflector: polycarbonate.

Standards: manufactured pursuant to EN 60598-1-CEI 34.21 and with a degree of protection pursuant to EN 60529.

LED: luminous flux maintenance 70%: 50.000h (L70B50).

Power factor >0.9.

LED COB 10W - 920lm - 4000K - CRI 92

LED COB 10W - 900lm - 3000K - CRI 92

Universally applicable, suitable to replace downlights with cut out diameters ranging from 75mm to 80mm. The supplied ring can act as both an aesthetic finishing and to cover fitting holes with greater diameters from 80mm to 92mm.

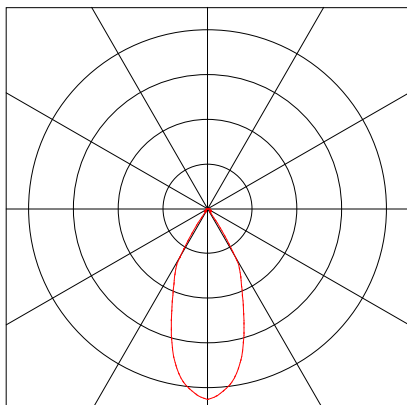
Podatki o svetilki

Absolutna fotometrija
svetilna učinkovitost : 75 lm/W
Razvrščanje : A70 -100.0% ↑0.0%
CIE Flux Codes : 92 97 99 100 100
UGR 4H 8H : 19.4 / 19.4
Predstikalna naprava : CELL
Moč : 12 W
Svetlobni tok : 900 lm

S sijalkami

Število : 1
Opis : led isc
Barva : 4000K
Barvni videz : 92

Mere : Ø82 mm x 0.0 mm

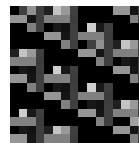


1 Podatki o svetilkah

1.10 Disano, S10 (!Disano 1779 LED CLD CELL 42355500)

1.10.1 Podatkovni list

Proizvod: Disano



!Disano 1779 LED CLD CELL 42355500 Disano - LED SOLUTIONS - Residential - Surface-Mounted on Wall S10

Musa was the Goddess who inspired Greek mythology, and this lighting fitting illuminates in the same way, inspiring numerous decorative and non-decorative functions.

Musa is able to blend into the space almost like a physical presence with its sleek design, which is vaguely anthropomorphous; always able to create new atmospheres and highly refined lighting solutions. To the observer's eye Musa looks like a human figure with head bowed, immersed in the green area.

HOUSING/FRAME: Made of die-cast aluminium.

GLASS: Tempered glass 4 mm, resistant to impact and thermal shock (UNI 12150-1: 2001 tests: 2001).

COATING: In several stages. epoxy cationic electrocoating, resistant to corrosive and saline environments, UV stabilising priming; lastly a rough finish with frosted silver or graphite paint.

EQUIPMENT: Environment-friendly gasket. These lighting fixtures also come with an automatic control temperature device, which protects the LEDs from peak current through a protection diode.

REGULATIONS: Manufactured in accordance with EN 60598-CEI 34-21 standards. Degree of protection in accordance with EN 60529 standards.

LED: 3970lm - 4000K - 23W tot. Ta-20+40°C life 80% 80.000h L80B20. Photobiological safety class: exempt group EN62471.

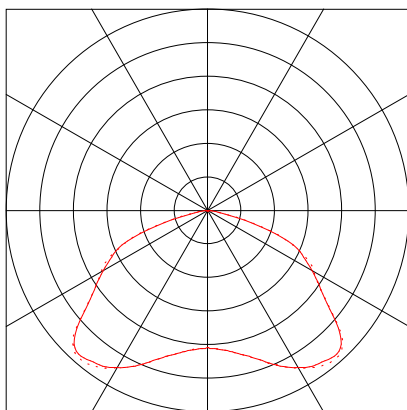
Podatki o svetilki

Absolutna fotometrija
svetilna učinkovitost : 110.41 lm/W
Razvrščanje : A40 -100.0% ↑0.0%
CIE Flux Codes : 41 79 98 100 100
UGR 4H 8H : 26.8 / 26.8
Moč : 24.8 W
Svetlobni tok : 2738.3 lm

S sijalkami

Število : 1
Opis : LED_1779
Barva : 4000K
Barvni videz : 70

Mere : 300 mm x 225 mm x 256 mm



1 Podatki o svetilkah

1.11 Disano, S11... (!Fosnova Jet Q 130 LED CLD CELL 22...)

1.11.1 Podatkovni list

Proizvod: Disano



!Fosnova Jet Q 130 LED CLD CELL 2206571200 Fosnova - LED SOLUTIONS - Recessed downlights - Recessed S11

Housing: fixed downlight in die cast aluminium complete with spring clips for recessed mounting

Reflector: dark light optics in high gloss, anti-glare aluminium to optimise light efficiency.

Installation: is equipped with galvanised steel support brackets, with housing for springs for attachment to the false ceilings.

Painting: dust painted, using polyester epoxy paint to withstand UV rays.

Standard supply: Includes adjustable steel bracket.

Regulations: Manufactured in accordance with standards EN60598 – CEI 34 –21. Degree of protection IP65 in accordance with standards EN60529.

LED: high-efficiency light sources 2100lm - 22W - 4000K - CRI 80

Power factor: ? 0.9

Photobiological safety class: Exempt group.

Luminous flux maintenance 80%: 50.000h (L80B20).

recessed Ø 120/128mm

Podatki o svetilki

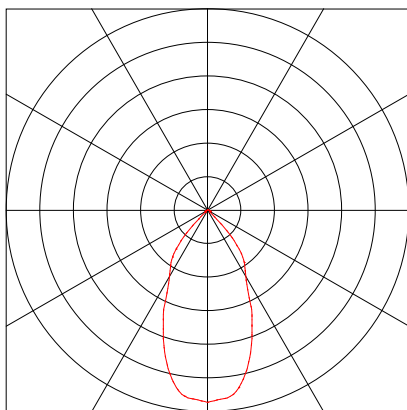
Absolutna fotometrija

Svetilna učinkovitost : 84.02 lm/W
Razvrščanje : A70 □ 100.0% ↑ 0.0%
CIE Flux Codes : 90 98 100 100 100
UGR 4H 8H : 19.6 / 19.6
Moč : 25 W
Svetlobni tok : 2100.4 lm

S sijalkami

Število : 1
Opis : led_j140
Barva : 4000K
Barvni videz : 80

Mere : 140 mm x 140 mm x 0.0 mm

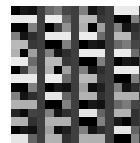


1 Podatki o svetilkah

1.12 Disano, S12 (!Fosnova Snow 2 LED CLD CELL 2208271000)

1.12.1 Podatkovni list

Proizvod: Disano



!Fosnova Snow 2 LED CLD CELL 2208271000 Fosnova - LED SOLUTIONS - Recessed downlights - Recessed S12

Whether in the round or square version, this recessed LED spotlight is the perfect solution for installations that are designed to hide their physical presence once fitted.

These spotlights are shaped to blend perfectly into the false ceilings where they are fitted.

Housing: in die-cast aluminium with heat sink.

Coating: epoxy polyester powder coating resistant to UV rays.

Reflector: anti-glare shield with lens for controlling luminous intensity distribution.

Standard gear: complete with nuts and screws in anti-corrosion stainless steel. Silicone rubber protection gasket compliant with French low-energy building standards (BBC).

Standards: manufactured pursuant to EN 60598-1-CEI 34.21 and with a degree of protection pursuant to EN 60529.

LED: 80% luminous flux maintenance at 80%: 50.000h (L80B20).

LED: high-efficiency 1000lm - 13W - 3000K - CRI 90.

Fitting hole: diameter 76/94 mm.

Podatki o svetilki

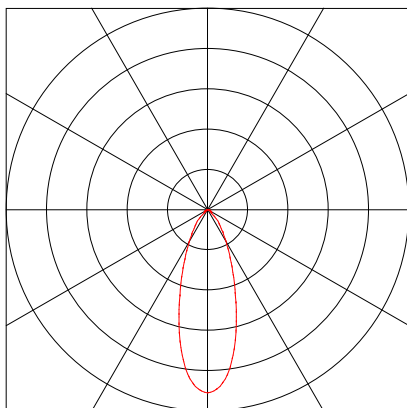
Absolutna fotometrija

svetilna učinkovitost : 76.92 lm/W
Razvrščanje : A70 □ 100.0% ↑ 0.0%
CIE Flux Codes : 89 97 100 100 100
UGR 4H 8H : 22.2 / 22.2
Moč : 13 W
Svetlobni tok : 1000 lm

S sijalkami

Število : 1
Opis : LED_sn
Barva : 3000K
Barvni videz : 90

Mere : 95 mm x 95 mm x 0.0 mm

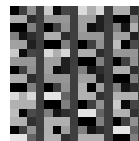


1 Podatki o svetilkah

1.13 Disano, S13... (!Disano 842 led 3000 K CLD CELL 15...)

1.13.1 Podatkovni list

Proizvod: Disano



!Disano 842 led 3000 K CLD CELL 15020539 Disano - LED SOLUTIONS - Recessed modulars - Recessed S13

The superior quality of LED lighting is now more accessible thanks to a benchmark product that offers, at reduced costs, the ideal light for offices, shopping malls, hotels and in general all those spaces that need constant lighting.

Its shape guarantees uniform light distribution, while the white-light LEDs (3000/4000K) generate high light quality, ensuring the best visual comfort and perfect colour rendering (CRI?80).

All this comes with significant energy savings. Savings are even more significant if we consider the long life of LEDs (50,000 hours) and no maintenance after installation. In addition to practical advantages, the product's very slim and low-profile design combined with a housing in polycarbonate offers attractive aesthetics. A simple solution to have the most updated technology in terms of interior lighting.

Housing and frame: housing in galvanised steel sheet, and frame in aluminium.

Diffuser: high transmittance transparent prismatic PMMA .

LED: 4000K - 4300lm - CRI?80 - 29W

LED: 3000K - 4000lm - CRI?80 - 29W

UGR glare index:

UGR

Power factor ?0.95

Luminous flux maintenance 80% 50.000h (L80B20).

Photobiological safety class: Exempt group.

Podatki o svetilki

Absolutna fotometrija

svetilna učinkovitost : 101.45 lm/W
Razvrščanje : A50 -100.0% ↑0.0%
CIE Flux Codes : 56 86 97 100 100
UGR 4H 8H : 18.4 / 18.4
Moč : 33 W
Svetlobni tok : 3348 lm

Mere : 596 mm x 596 mm x 0.0 mm

S sijalkami

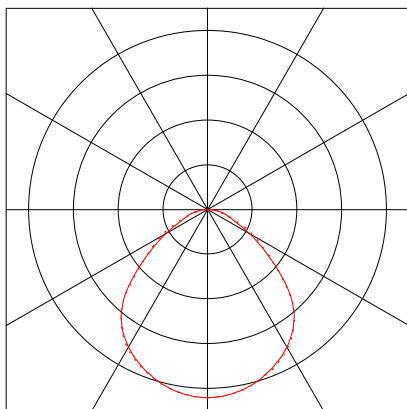
Število : 1
Opis : led_lp3000
Barva : 4000K
Barvni videz : 80

Objekt : VRTEC LAPORJE
Instalacija : Splosna razsvetljava objekta
Številka projekta : VRTEC LAPORJE B04
Datum : 12.03.2018

1 Podatki o svetilkah

1.13 Disano, S13... (!Disano 842 led 3000 K CLD CELL 15...)

1.13.1 Podatkovni list



Objekt : VRTEC LAPORJE
Instalacija : Splosna razsvetljava objekta
Številka projekta : VRTEC LAPORJE B04
Datum : 12.03.2018

1 Podatki o svetilkah

1.14 Fosnova srl, S14... (!Fosnova Studio 193 LED CLD CELL 2...)

1.14.1 Podatkovni list

Proizvod: Fosnova srl

!Fosnova Studio 193 LED CLD CELL 2216101000

S14

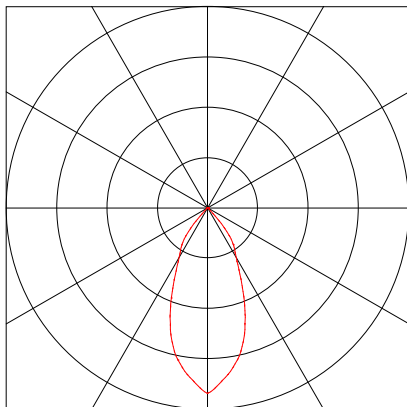
Podatki o svetilki

Svetlobni izkoristek svetilke : 100%
svetilna učinkovitost : 85.71 lm/W
Razvrščanje : A70 □ 100.0% ↑ 0.0%
CIE Flux Codes : 95 99 100 100 100
UGR 4H 8H : 18.2 / 18.2
Moč : 35 W
Svetlobni tok : 3000 lm

S sijalkami

Število : 1
Opis : cob_s193
Barva : 4000
Svetlobni tok : 3000 lm
Barvni videz : 82

Mere : Ø193 mm x 105 mm

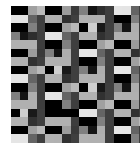


1 Podatki o svetilkah

1.15 Disano, S15... (!Disano 842 LED 4000 K CLD CELL 1...)

1.15.1 Podatkovni list

Proizvod: Disano



!Disano 842 LED 4000 K CLD CELL 15020500 Disano - LED SOLUTIONS - Recessed modulars - Recessed S15

The superior quality of LED lighting is now more accessible thanks to a benchmark product that offers, at reduced costs, the ideal light for offices, shopping malls, hotels and in general all those spaces that need constant lighting.

Its shape guarantees uniform light distribution, while the white-light LEDs (3000/4000K) generate high light quality, ensuring the best visual comfort and perfect colour rendering (CRI?80).

All this comes with significant energy savings. Savings are even more significant if we consider the long life of LEDs (50,000 hours) and no maintenance after installation. In addition to practical advantages, the product's very slim and low-profile design combined with a housing in polycarbonate offers attractive aesthetics. A simple solution to have the most updated technology in terms of interior lighting.

Housing and frame: housing in galvanised steel sheet, and frame in aluminium.

Diffuser: high transmittance transparent prismatic PMMA .

LED: 4000K - 4300lm - CRI?80 - 29W

LED: 3000K - 4000lm - CRI?80 - 29W

UGR glare index:

UGR

Power factor ?0.95

Luminous flux maintenance 80% 50.000h (L80B20).

Photobiological safety class: Exempt group.

Podatki o svetilki

Absolutna fotometrija

svetilna učinkovitost : 109.09 lm/W
Razvrščanje : A50 -100.0% ↑0.0%
CIE Flux Codes : 56 86 97 100 100
UGR 4H 8H : 18.6 / 18.6
Moč : 33 W
Svetlobni tok : 3600 lm

Mere : 596 mm x 596 mm x 0.0 mm

S sijalkami

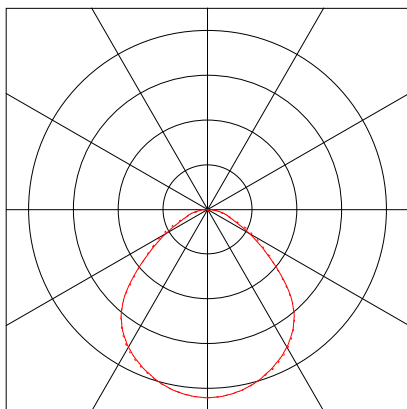
Število : 1
Opis : led_lp
Barva : 4000K
Barvni videz : 80

Objekt : VRTEC LAPORJE
Instalacija : Splosna razsvetljava objekta
Številka projekta : VRTEC LAPORJE B04
Datum : 12.03.2018

1 Podatki o svetilkah

1.15 Disano, S15... (!Disano 842 LED 4000 K CLD CELL 1...)

1.15.1 Podatkovni list

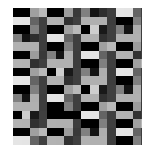


1 Podatki o svetilkah

1.16 Disano, S16 (!Disano 2578 LED CLD CELL 431871SPEC)

1.16.1 Podatkovni list

Proizvod: Disano



!Disano 2578 LED CLD CELL 431871SPEC **Disano - LED SOLUTIONS - Residential - Floodlight** **S16**
 Housing: in die-cast aluminium.

Diffuser: in extra-clear tempered glass, 4 mm thick, thermal shock and impact resistant.

Reflector: in high-performance silver aluminium.

Coating: the first stage includes grey epoxy e-coating, resistant to corrosion and saline environments. Then the fixture is coated with an acrylic based UV-stabilised resin.

Standard supply: supplied with plate for wall installation and cable with with IP68 airtight connector for mains connection.

On request: DIMM 1/10 or DALI versions; 3000K versions with sub-code -39. A test salt spray coating pursuant to standard UNI EN ISO 9227 "Corrosion Tests in Artificial Atmosphere".

LED: Luminous flux maintenance 80%: 50.000h (L80B20).

Power factor ?0.92.

Mounting: rapid connection, the fixture does not need to be opened.

Photobiological risk: exempt, pursuant to EN62471.

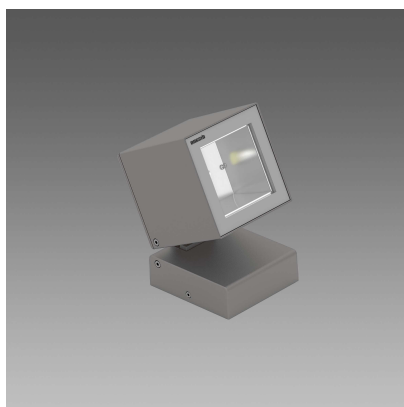
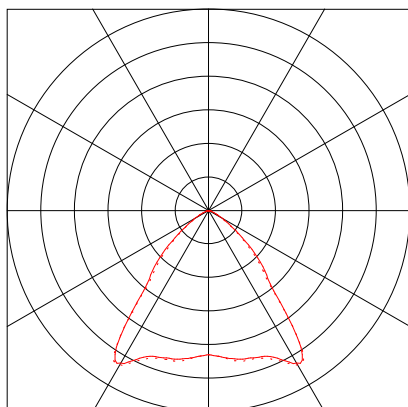
Podatki o svetilki

Absolutna fotometrija
 svetilna učinkovitost : 71.43 lm/W
 Razvrščanje : A50 -100.0% ↑0.0%
 CIE Flux Codes : 73 97 100 100 100
 UGR 4H 8H : 24.6 / 24.4
 Moč : 21 W
 Svetlobni tok : 1500 lm

S sijalkami

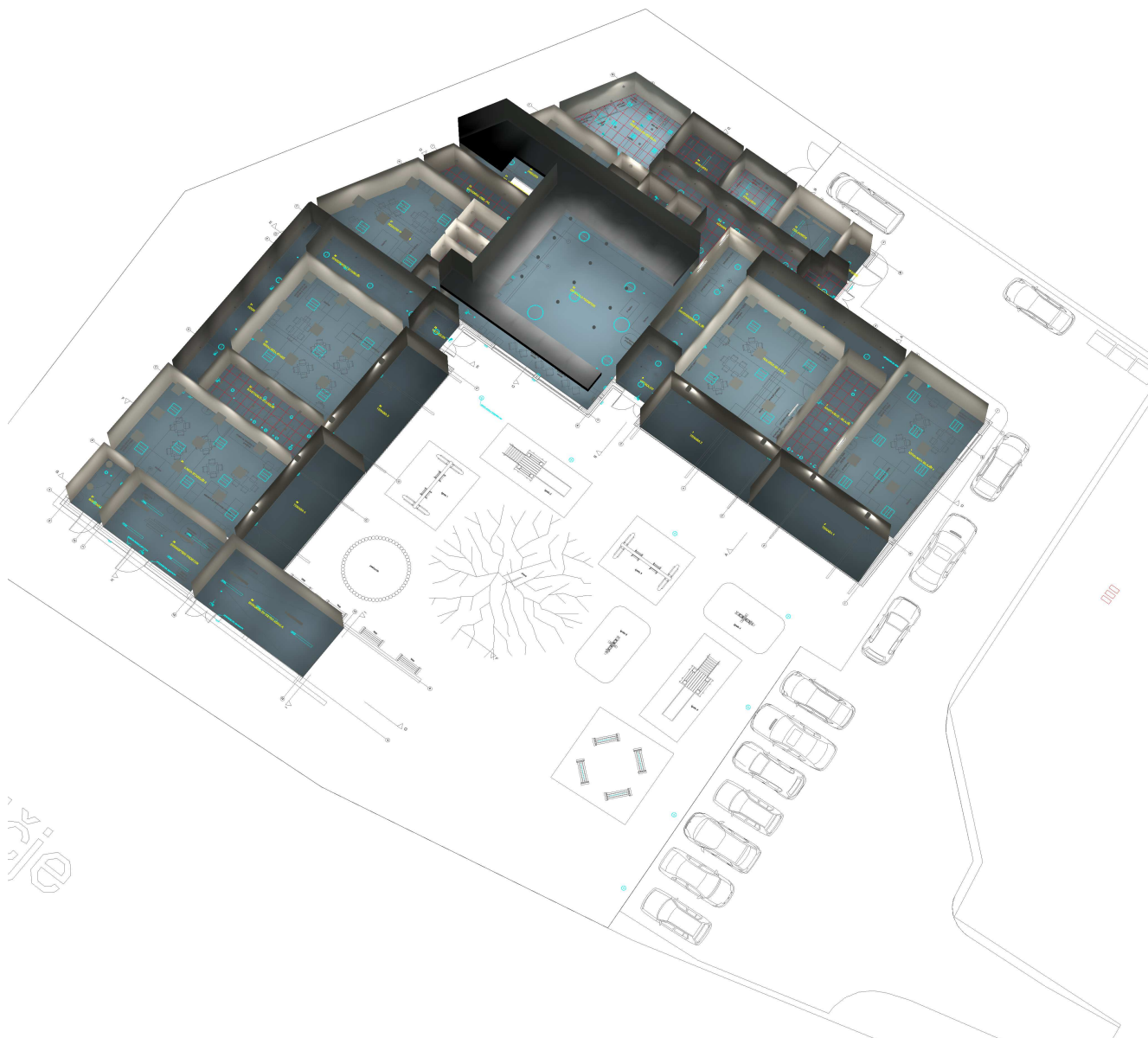
Število : 1
 Opis :
 Barva : 4000K
 Barvni videz : 90

Mere : 120 mm x 120 mm x 160 mm



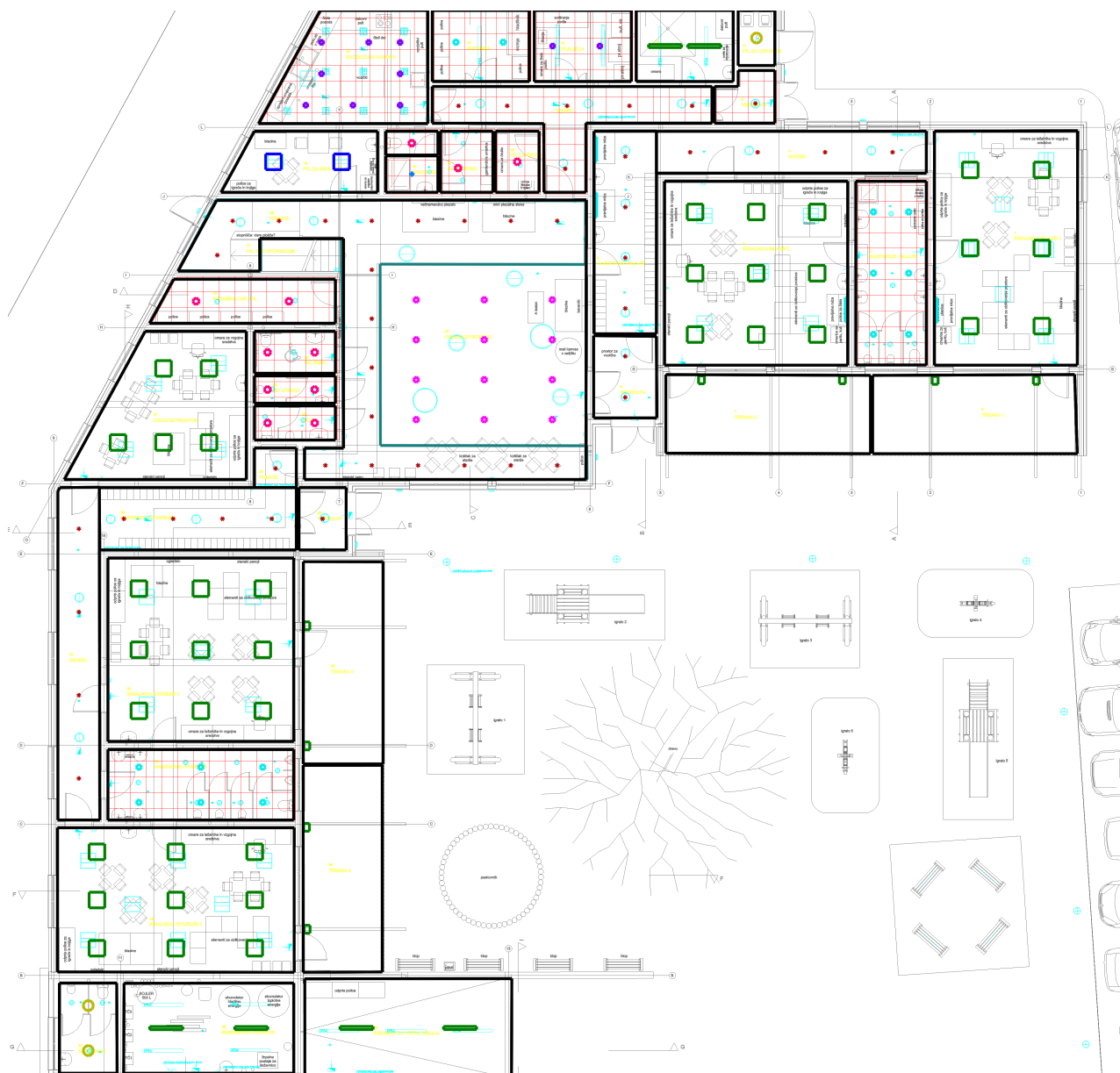
Opis, Pritlicje

.1 Nadstropje 3D



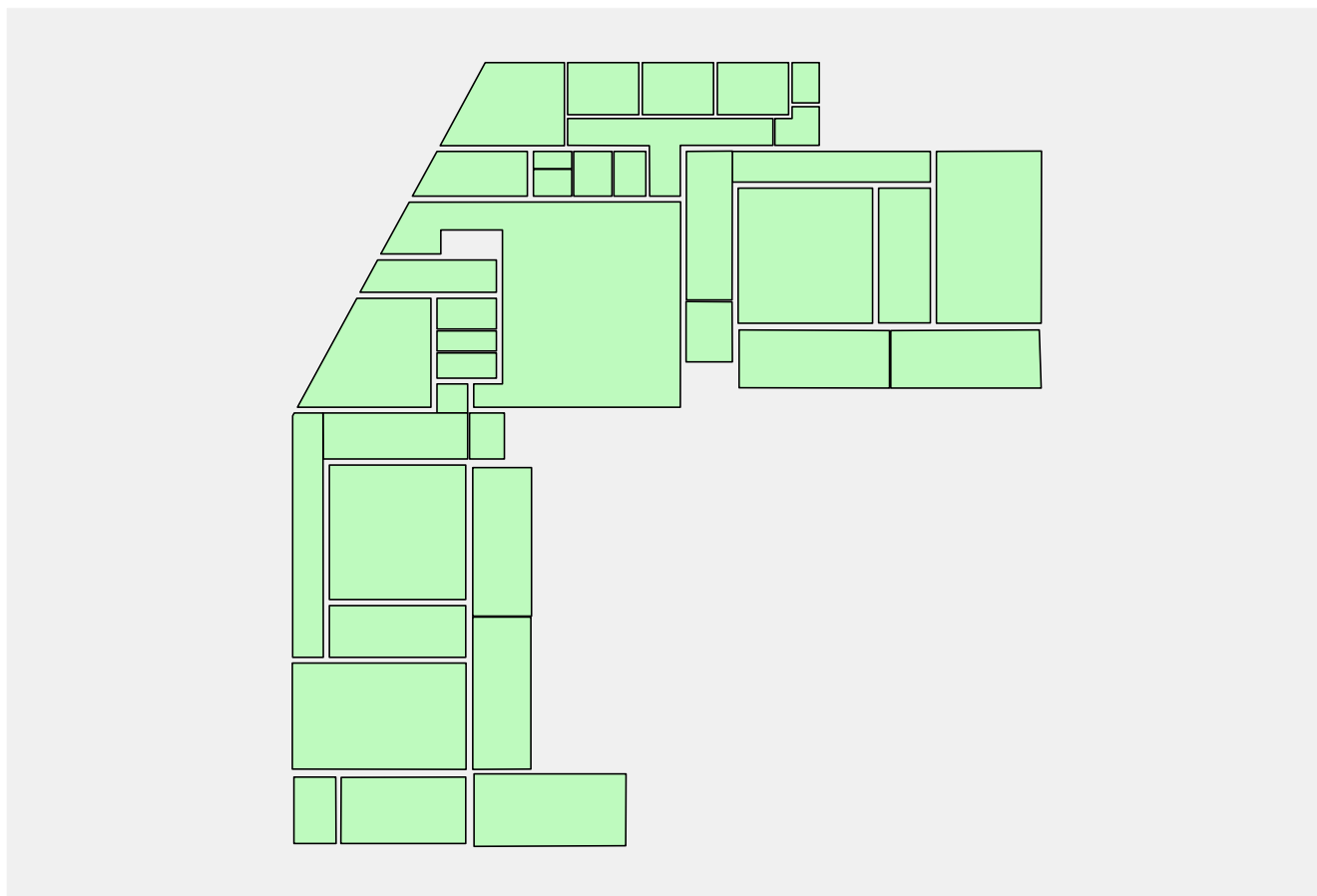
Opis, Pritlicje

.2 Tloris nadstropja



Povzetek, Pritlicje

.3 Pregled nadstropja



Število sob	38
Skupna površina	746 m ²
Število svetilk	155
Skupni svetlobni tok vseh sijalk	324005 lm
Skupna moč	4510.4 W
Skupna moč po območju	6.05 W/m ²

 Nominalne vrednosti so izpolnjene

Kosovnica

Tip Št. Proizvajalec

1	3		Disano	
			Tipska oznaka	: !Fosnova Tortuga LED 28W 4000k CLD CELL 2204241300
			Ime svetilke	: S01
			Sijalke	: 1 x led_t28_4000 28 W / 2330 lm
2	4		Tipska oznaka	: !Disano 960 33 W CLD CELL 16475400
			Ime svetilke	: S02
			Sijalke	: 1 x led_33w_960 37 W / 5094 lm
3	38		Tipska oznaka	: !Disano 708 LED CLD CELL 14302500
			Ime svetilke	: S03
			Sijalke	: 1 x led_808 55.2 W / 2975 lm

Povzetek, Pritlicje

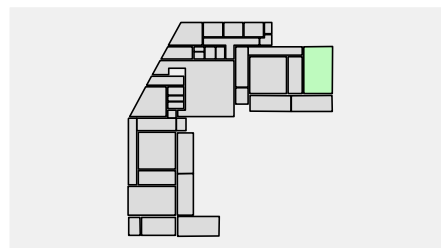
.3 Pregled nadstropja

4	2	Tipska oznaka	: !Disano 960 24w CLD CELL 16475200
		Ime svetilke	: S04
		Sijalke	: 1 x led_24w_960 27.5 W / 3119 lm
10	8	Tipska oznaka	: !Disano 1779 LED CLD CELL 42355500
		Ime svetilke	: S10
		Sijalke	: 1 x LED_1779 24.8 W / 2738 lm
11	10	Tipska oznaka	: !Fosnova Jet Q 130 LED CLD CELL 2206571200
		Ime svetilke	: S11
		Sijalke	: 1 x led_j140 25 W / 2100 lm
12	1	Tipska oznaka	: !Fosnova Snow 2 LED CLD CELL 2208271000
		Ime svetilke	: S12
		Sijalke	: 1 x LED_sn 13 W / 1000 lm
13	2	Tipska oznaka	: !Disano 842 led 3000 K CLD CELL 15020539
		Ime svetilke	: S13
		Sijalke	: 1 x led_lp3000 33 W / 3348 lm
6	14	disano	
		Tipska oznaka	: !Fosnova Speaker 1 3000 K CLD CELL 2208441000
		Ime svetilke	: S06
		Sijalke	: 1 x led_sp1_3000 14 W / 1200 lm
7	4	Tipska oznaka	: !Fosnova Slimcover LED 36 W CLD CELL 2218381000
		Ime svetilke	: S07
		Sijalke	: 1 x LED/sc935 41.6 W / 2602 lm
8	11	Tipska oznaka	: !Fosnova Speaker 2 3000 K CLD CELL 2208441500
		Ime svetilke	: S08
		Sijalke	: 1 x led_sp2_3000 24 W / 2013 lm
9	46	Tipska oznaka	: !Fosnova iSpot Comfort 2 CLD CELL 2216791000
		Ime svetilke	: S09
		Sijalke	: 1 x led_isc 12 W / 900 lm
14	12	Fosnova srl	
		Tipska oznaka	: !Fosnova Studio 193 LED CLD CELL 2216101000
		Ime svetilke	: S14
		Sijalke	: 1 x cob_s193 35 W / 3000 lm

Prostori

P. 1 Igralnica mlajsi 1

Skupni svetlobni tok vseh sijalk	7 x Svetilke	20452 lm
Skupna moč		372.8 W
Skupni učinek na površino (49 m2)		7.64 W/m2
Em		310 lx (≥ 300 lx)
Emin		250 lx
Emin/Eav (Uo)		0.81 (≥ 0.40)
UGR		---

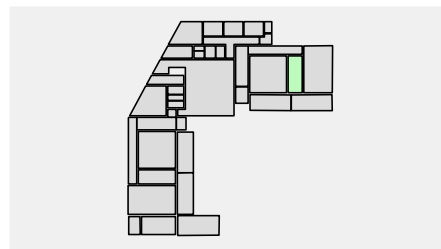


Povzetek, Pritlicje

.3 Pregled nadstropja

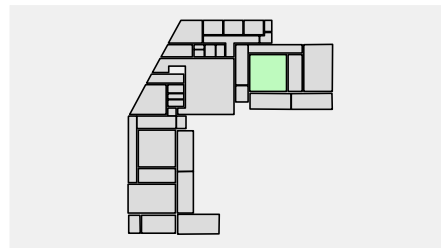
P. 2 Sanitarije - Mlajsi

Skupni svetlobni tok vseh sijalk	6 x Svetilke	7200 lm
Skupna moč		84 W
Skupni učinek na površino (19 m ²)		4.45 W/m ²
Em		273 lx (≥ 200 lx)
Emin		226 lx
Emin/Eav (Uo)		0.83 (≥ 0.40)
UGR		≤ 22.8 (< 25.00)



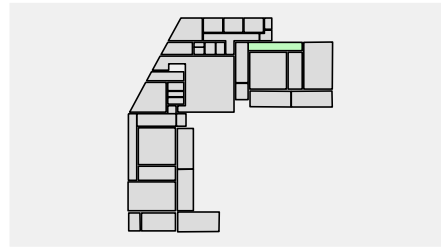
P. 3 Igralnica Mlajsi 2

Skupni svetlobni tok vseh sijalk	10 x Svetilke	29377 lm
Skupna moč		538.4 W
Skupni učinek na površino (49 m ²)		10.97 W/m ²
Em		447 lx (≥ 300 lx)
Emin		350 lx
Emin/Eav (Uo)		0.78 (≥ 0.40)
UGR		---



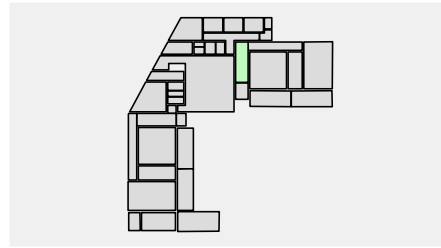
P. 4 Hodnik

Skupni svetlobni tok vseh sijalk	4 x Svetilke	3600 lm
Skupna moč		48 W
Skupni učinek na površino (16 m ²)		2.92 W/m ²
Em		148 lx (≥ 100 lx)
Emin		114 lx
Emin/Eav (Uo)		0.77 (≥ 0.40)
UGR		≤ 18.7 (< 28.00)



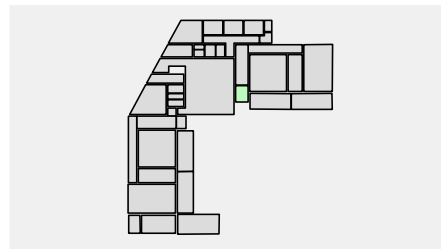
P. 5 Garderoba Mlajsi

Skupni svetlobni tok vseh sijalk	6 x Svetilke	8804 lm
Skupna moč		131.2 W
Skupni učinek na površino (18 m ²)		7.12 W/m ²
Em		363 lx (≥ 200 lx)
Emin		167 lx
Emin/Eav (Uo)		0.46 (≥ 0.40)
UGR		---



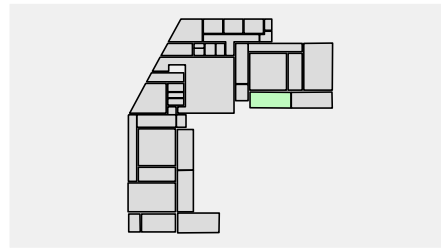
P. 6 Vetrolov

Skupni svetlobni tok vseh sijalk	2 x Svetilke	1800 lm
Skupna moč		24 W
Skupni učinek na površino (8 m ²)		3.19 W/m ²
Em		194 lx (≥ 100 lx)
Emin		163 lx
Emin/Eav (Uo)		0.84 (≥ 0.40)
UGR		≤ 17.3 (< 28.00)



P. 7 Terasa

Skupni svetlobni tok vseh sijalk	2 x Svetilke	5476 lm
Skupna moč		49.6 W
Skupni učinek na površino (23 m ²)		2.12 W/m ²
Em		89 lx (≥ 5 lx)
Emin		53 lx
Emin/Eav (Uo)		0.60 (≥ 0.25)
UGR		≤ 26.7

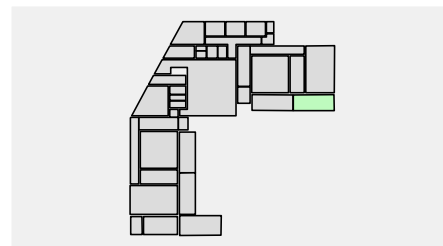


Povzetek, Pritlicje

.3 Pregled nadstropja

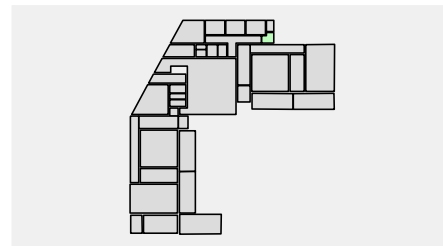
P. 8 Terasa 1

Skupni svetlobni tok vseh sijalk	2 x Svetilke	5476 lm
Skupna moč		49.6 W
Skupni učinek na površino (23 m ²)		2.13 W/m ²
Em		102 lx (≥ 5 lx)
Emin		54 lx
Emin/Eav (Uo)		0.53 (≥ 0.25)
UGR		≤ 26.7



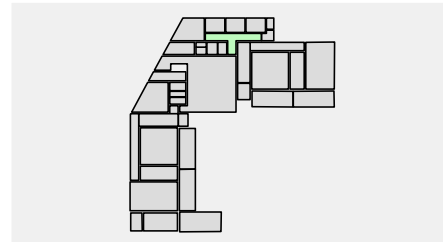
P. 9 Vetrolov

Skupni svetlobni tok vseh sijalk	1 x Svetilke	900 lm
Skupna moč		12 W
Skupni učinek na površino (4 m ²)		2.95 W/m ²
Em		138 lx (≥ 100 lx)
Emin		92 lx
Emin/Eav (Uo)		0.66 (≥ 0.40)
UGR		≤ 17.2 (< 28.00)



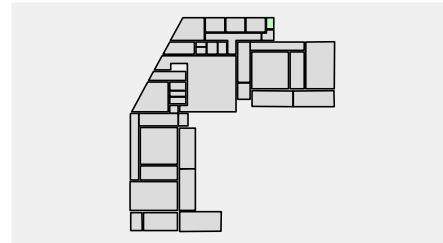
P. 10 Hodnik

Skupni svetlobni tok vseh sijalk	6 x Svetilke	5400 lm
Skupna moč		72 W
Skupni učinek na površino (19 m ²)		3.75 W/m ²
Em		171 lx (≥ 100 lx)
Emin		131 lx
Emin/Eav (Uo)		0.76 (≥ 0.40)
UGR		---



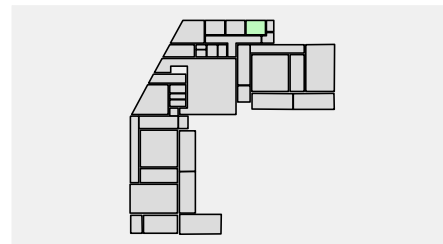
P. 11 Pr. za odpadke

Skupni svetlobni tok vseh sijalk	1 x Svetilke	2330 lm
Skupna moč		28 W
Skupni učinek na površino (3 m ²)		9.52 W/m ²
Em		130 lx (≥ 100 lx)
Emin		125 lx
Emin/Eav (Uo)		0.96 (≥ 0.40)
UGR		≤ 18.5 (< 25.00)



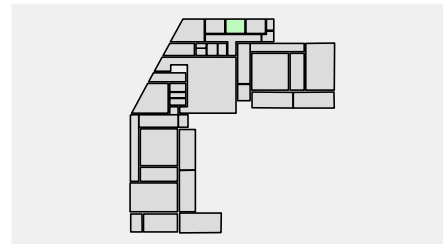
P. 12 Delavnica

Skupni svetlobni tok vseh sijalk	2 x Svetilke	6238 lm
Skupna moč		55 W
Skupni učinek na površino (10 m ²)		5.49 W/m ²
Em		334 lx (≥ 300 lx)
Emin		291 lx
Emin/Eav (Uo)		0.87 (≥ 0.60)
UGR		≤ 17.9 (< 25.00)



P. 13 Pralnica

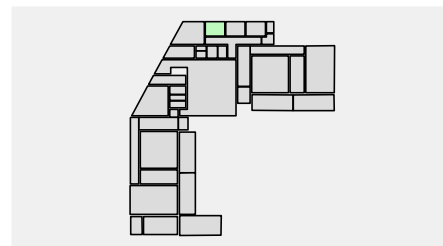
Skupni svetlobni tok vseh sijalk	2 x Svetilke	4200 lm
Skupna moč		50 W
Skupni učinek na površino (10 m ²)		4.99 W/m ²
Em		433 lx (≥ 200 lx)
Emin		283 lx
Emin/Eav (Uo)		0.65 (≥ 0.40)
UGR		≤ 19.9 (< 25.00)



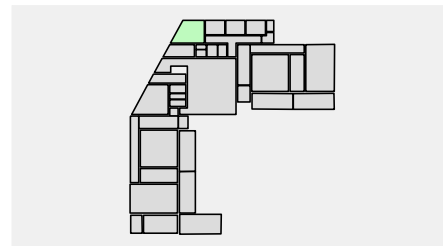
Povzetek, Pritlicje

.3 Pregled nadstropja

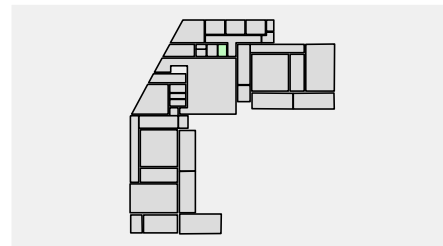
P. 14 Shramba	2 x Svetilke
Skupni svetlobni tok vseh sijalk	2400 lm
Skupna moč	28 W
Skupni učinek na površino (10 m ²)	2.79 W/m ²
Em	115 lx (≥ 100 lx)
Emin	99 lx
Emin/Eav (Uo)	0.85 (≥ 0.40)
UGR	≤ 22.6 (< 25.00)



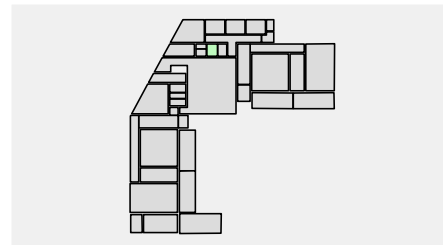
P. 15 Razdelilna kuhinja	8 x Svetilke
Skupni svetlobni tok vseh sijalk	16800 lm
Skupna moč	200 W
Skupni učinek na površino (23 m ²)	8.78 W/m ²
Em	638 lx (≥ 500 lx)
Emin	410 lx
Emin/Eav (Uo)	0.64 (≥ 0.60)
UGR	≤ 19.8 (< 22.00)



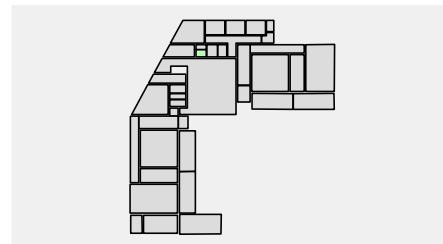
P. 16 Pr. za čistila	1 x Svetilke
Skupni svetlobni tok vseh sijalk	2013 lm
Skupna moč	24 W
Skupni učinek na površino (4 m ²)	6.21 W/m ²
Em	126 lx (≥ 100 lx)
Emin	118 lx
Emin/Eav (Uo)	0.94 (≥ 0.40)
UGR	≤ 23.0 (< 25.00)



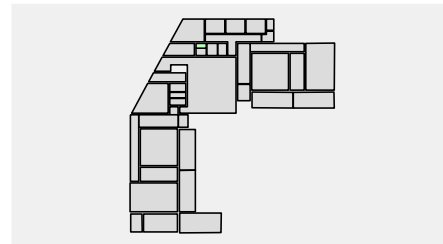
P. 17 Garderoba	1 x Svetilke
Skupni svetlobni tok vseh sijalk	2013 lm
Skupna moč	24 W
Skupni učinek na površino (5 m ²)	5.15 W/m ²
Em	204 lx (≥ 200 lx)
Emin	156 lx
Emin/Eav (Uo)	0.76 (≥ 0.40)
UGR	≤ 23.0 (< 25.00)



P. 18 Sanitarije	1 x Svetilke
Skupni svetlobni tok vseh sijalk	1000 lm
Skupna moč	13 W
Skupni učinek na površino (3 m ²)	4.69 W/m ²
Em	235 lx (≥ 200 lx)
Emin	139 lx
Emin/Eav (Uo)	0.59 (≥ 0.40)
UGR	≤ 22.0 (< 25.00)



P. 18 Sanitarije.1	1 x Svetilke
Skupni svetlobni tok vseh sijalk	2013 lm
Skupna moč	24 W
Skupni učinek na površino (2 m ²)	13.26 W/m ²
Em	220 lx (≥ 200 lx)
Emin	184 lx
Emin/Eav (Uo)	0.84 (≥ 0.40)
UGR	≤ 23.0 (< 25.00)

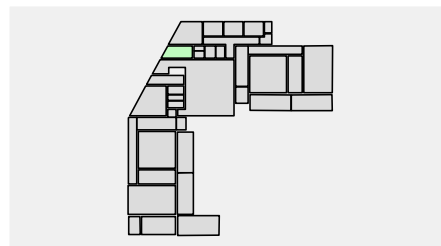


Povzetek, Pritlicje

.3 Pregled nadstropja

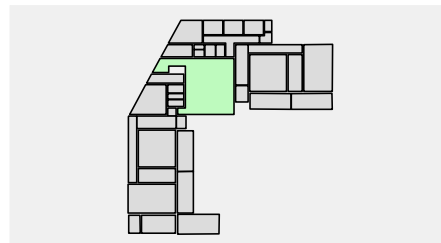
P. 19 Pr. za indiv. delo

Skupni svetlobni tok vseh sijalk	2 x Svetilke	6696 lm
Skupna moč		66 W
Skupni učinek na površino (12 m ²)		5.31 W/m ²
Em		352 lx (≥ 300 lx)
Emin		238 lx
Emin/Eav (Uo)		0.67 (≥ 0.40)
UGR		≤ 17.1 (< 22.00)



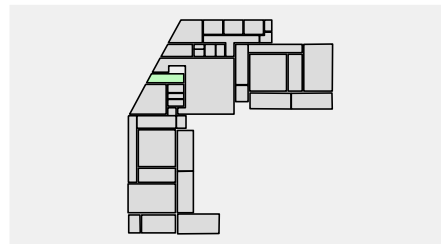
P. 22. Osrednji prostor

Skupni svetlobni tok vseh sijalk	31 x Svetilke	53100 lm
Skupna moč		648 W
Skupni učinek na površino (112 m ²)		5.81 W/m ²
Em		365 lx (≥ 100 lx)
Emin		210 lx
Emin/Eav (Uo)		0.58 (≥ 0.40)
UGR		---



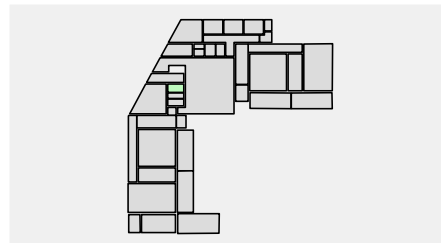
P. 23 Shramba osr. pr.

Skupni svetlobni tok vseh sijalk	2 x Svetilke	4026 lm
Skupna moč		48 W
Skupni učinek na površino (11 m ²)		4.31 W/m ²
Em		113 lx (≥ 100 lx)
Emin		87 lx
Emin/Eav (Uo)		0.77 (≥ 0.40)
UGR		≤ 23.7 (< 25.00)



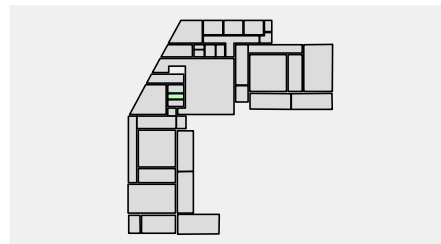
P. 24 WC Z/INV

Skupni svetlobni tok vseh sijalk	2 x Svetilke	4026 lm
Skupna moč		48 W
Skupni učinek na površino (5 m ²)		9.71 W/m ²
Em		336 lx (≥ 200 lx)
Emin		306 lx
Emin/Eav (Uo)		0.91 (≥ 0.40)
UGR		≤ 23.0 (< 25.00)



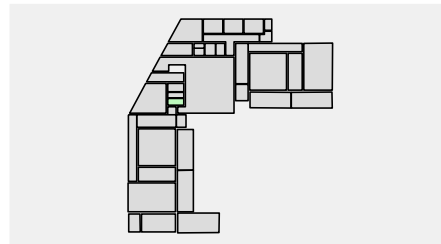
P. 25 WC Otroci

Skupni svetlobni tok vseh sijalk	2 x Svetilke	4026 lm
Skupna moč		48 W
Skupni učinek na površino (3 m ²)		14.86 W/m ²
Em		306 lx (≥ 200 lx)
Emin		262 lx
Emin/Eav (Uo)		0.85 (≥ 0.40)
UGR		≤ 23.0 (< 25.00)



P. 26 WC M

Skupni svetlobni tok vseh sijalk	2 x Svetilke	4026 lm
Skupna moč		48 W
Skupni učinek na površino (4 m ²)		11.95 W/m ²
Em		301 lx (≥ 200 lx)
Emin		246 lx
Emin/Eav (Uo)		0.82 (≥ 0.40)
UGR		≤ 23.0 (< 25.00)

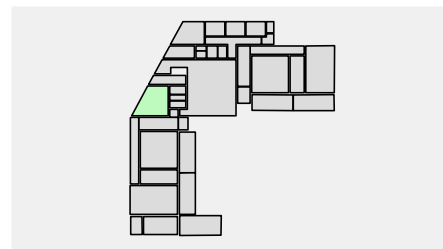


Povzetek, Pritlicje

.3 Pregled nadstropja

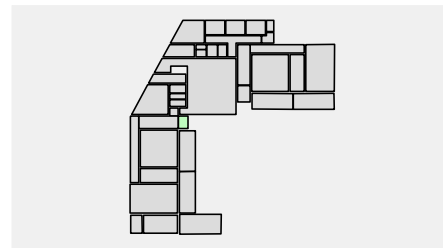
P. 27 Dodatni prostor

Skupni svetlobni tok vseh sijalk	5 x Svetilke	14875 lm
Skupna moč		276 W
Skupni učinek na površino (31 m ²)		9.04 W/m ²
Em		327 lx (≥ 300 lx)
Emin		207 lx
Emin/Eav (Uo)		0.63 (≥ 0.40)
UGR		≤ 21.6 (< 22.00)



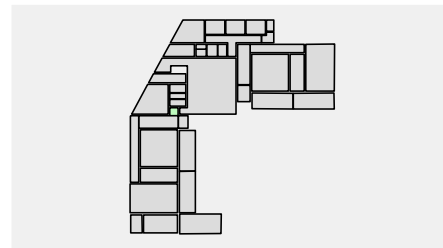
P. 28 Vetrolov

Skupni svetlobni tok vseh sijalk	1 x Svetilke	900 lm
Skupna moč		12 W
Skupni učinek na površino (4 m ²)		2.80 W/m ²
Em		135 lx (≥ 100 lx)
Emin		121 lx
Emin/Eav (Uo)		0.89 (≥ 0.40)
UGR		≤ 17.2 (< 28.00)



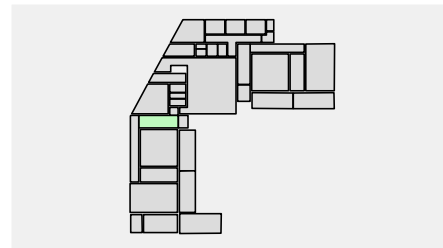
P. 29 Prehod

Skupni svetlobni tok vseh sijalk	1 x Svetilke	900 lm
Skupna moč		12 W
Skupni učinek na površino (2 m ²)		4.97 W/m ²
Em		177 lx (≥ 100 lx)
Emin		172 lx
Emin/Eav (Uo)		0.97 (≥ 0.40)
UGR		≤ 17.2 (< 28.00)



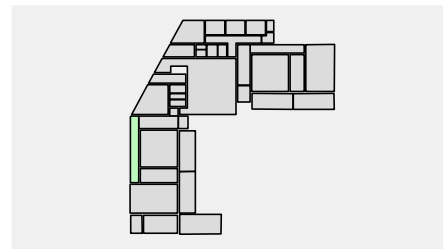
P. 30 Garderoba starejsi

Skupni svetlobni tok vseh sijalk	4 x Svetilke	3600 lm
Skupna moč		48 W
Skupni učinek na površino (18 m ²)		2.69 W/m ²
Em		235 lx (≥ 200 lx)
Emin		153 lx
Emin/Eav (Uo)		0.65 (≥ 0.40)
UGR		≤ 18.5 (< 25.00)



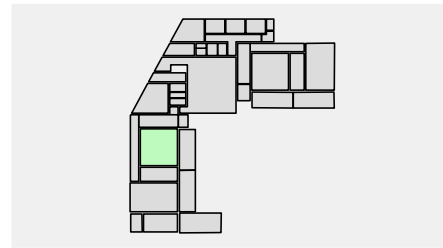
P. 31 Hodnik

Skupni svetlobni tok vseh sijalk	4 x Svetilke	3600 lm
Skupna moč		48 W
Skupni učinek na površino (20 m ²)		2.38 W/m ²
Em		119 lx (≥ 100 lx)
Emin		70 lx
Emin/Eav (Uo)		0.58 (≥ 0.40)
UGR		≤ 18.7 (< 28.00)



P. 32 Igralnica starejsi 1

Skupni svetlobni tok vseh sijalk	9 x Svetilke	26775 lm
Skupna moč		496.8 W
Skupni učinek na površino (50 m ²)		10.01 W/m ²
Em		359 lx (≥ 300 lx)
Emin		301 lx
Emin/Eav (Uo)		0.84 (≥ 0.40)
UGR		≤ 21.6 (< 22.00)

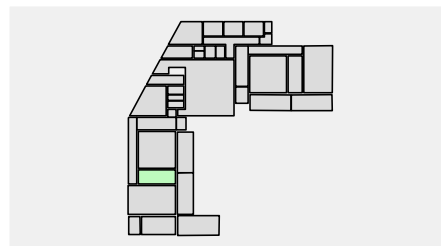


Povzetek, Pritlicje

.3 Pregled nadstropja

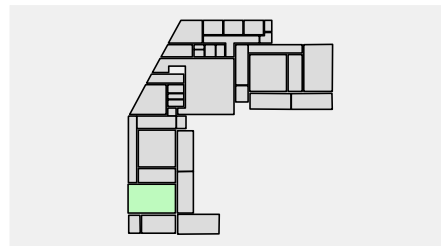
P. 33 Sanitarije Starejsi

Skupni svetlobni tok vseh sijalk	6 x Svetilke	7200 lm
Skupna moč		84 W
Skupni učinek na površino (19 m ²)		4.40 W/m ²
Em		267 lx (≥ 200 lx)
Emin		224 lx
Emin/Eav (Uo)		0.84 (≥ 0.40)
UGR		≤ 22.8 (< 25.00)



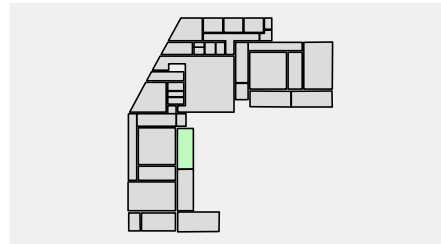
P. 34 Igralnica starejsi 2

Skupni svetlobni tok vseh sijalk	9 x Svetilke	26775 lm
Skupna moč		496.8 W
Skupni učinek na površino (50 m ²)		9.98 W/m ²
Em		351 lx (≥ 300 lx)
Emin		305 lx
Emin/Eav (Uo)		0.87 (≥ 0.60)
UGR		≤ 21.6 (< 22.00)



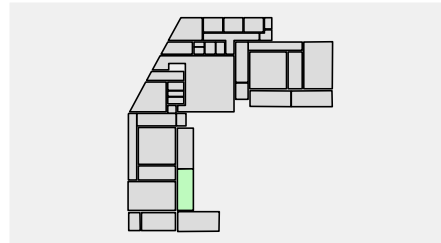
P. 35 Terasa 3

Skupni svetlobni tok vseh sijalk	2 x Svetilke	5476 lm
Skupna moč		49.6 W
Skupni učinek na površino (24 m ²)		2.11 W/m ²
Em		92 lx (≥ 5 lx)
Emin		49 lx
Emin/Eav (Uo)		0.53 (≥ 0.25)
UGR		≤ 26.7



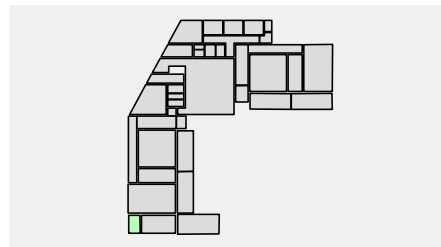
P. 36 Terasa 4

Skupni svetlobni tok vseh sijalk	2 x Svetilke	5476 lm
Skupna moč		49.6 W
Skupni učinek na površino (24 m ²)		2.08 W/m ²
Em		94 lx (≥ 5 lx)
Emin		54 lx
Emin/Eav (Uo)		0.58 (≥ 0.25)
UGR		≤ 25.8



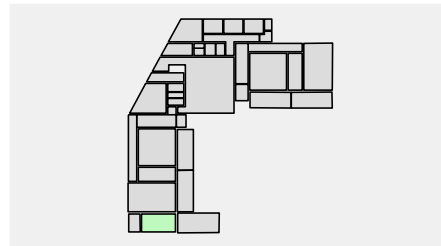
P. 37 Sanitarije

Skupni svetlobni tok vseh sijalk	2 x Svetilke	4660 lm
Skupna moč		56 W
Skupni učinek na površino (8 m ²)		7.43 W/m ²
Em		353 lx (≥ 200 lx)
Emin		313 lx
Emin/Eav (Uo)		0.89 (≥ 0.40)
UGR		≤ 19.6 (< 25.00)



P. 38 Energetski prostor

Skupni svetlobni tok vseh sijalk	2 x Svetilke	10188 lm
Skupna moč		74 W
Skupni učinek na površino (22 m ²)		3.32 W/m ²
Em		235 lx (≥ 200 lx)
Emin		190 lx
Emin/Eav (Uo)		0.81 (≥ 0.40)
UGR		≤ 22.0 (< 25.00)



Objekt : VRTEC LAPORJE
Instalacija : Splosna razsvetljava objekta
Številka projekta : VRTEC LAPORJE B04
Datum : 12.03.2018

Povzetek, Pritlicje

.3 Pregled nadstropja

P. 39 Shramba za vrtna igrala

Skupni svetlobni tok vseh sijalk

Skupna moč

Skupni učinek na površino (30 m²)

Em

Emin

Emin/Eav (Uo)

UGR

2 x Svetilke

10188 lm

74 W

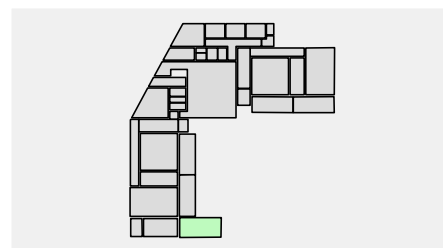
2.50 W/m²

194 lx (≥ 150 lx)

145 lx

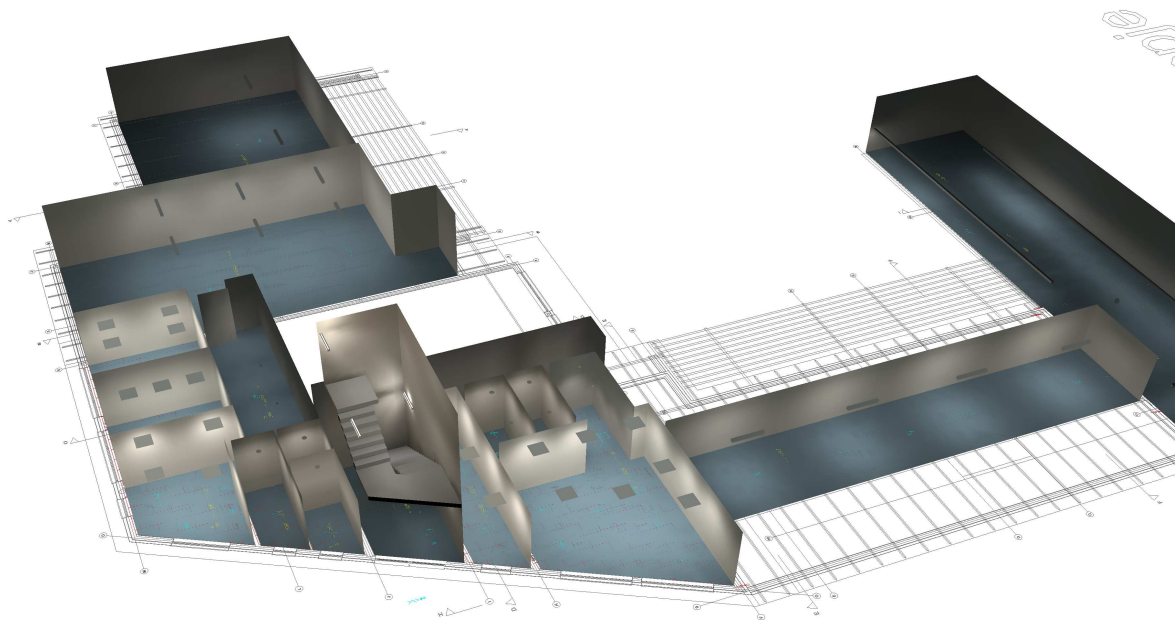
0.75 (≥ 0.40)

≤ 22.9 (< 25.00)



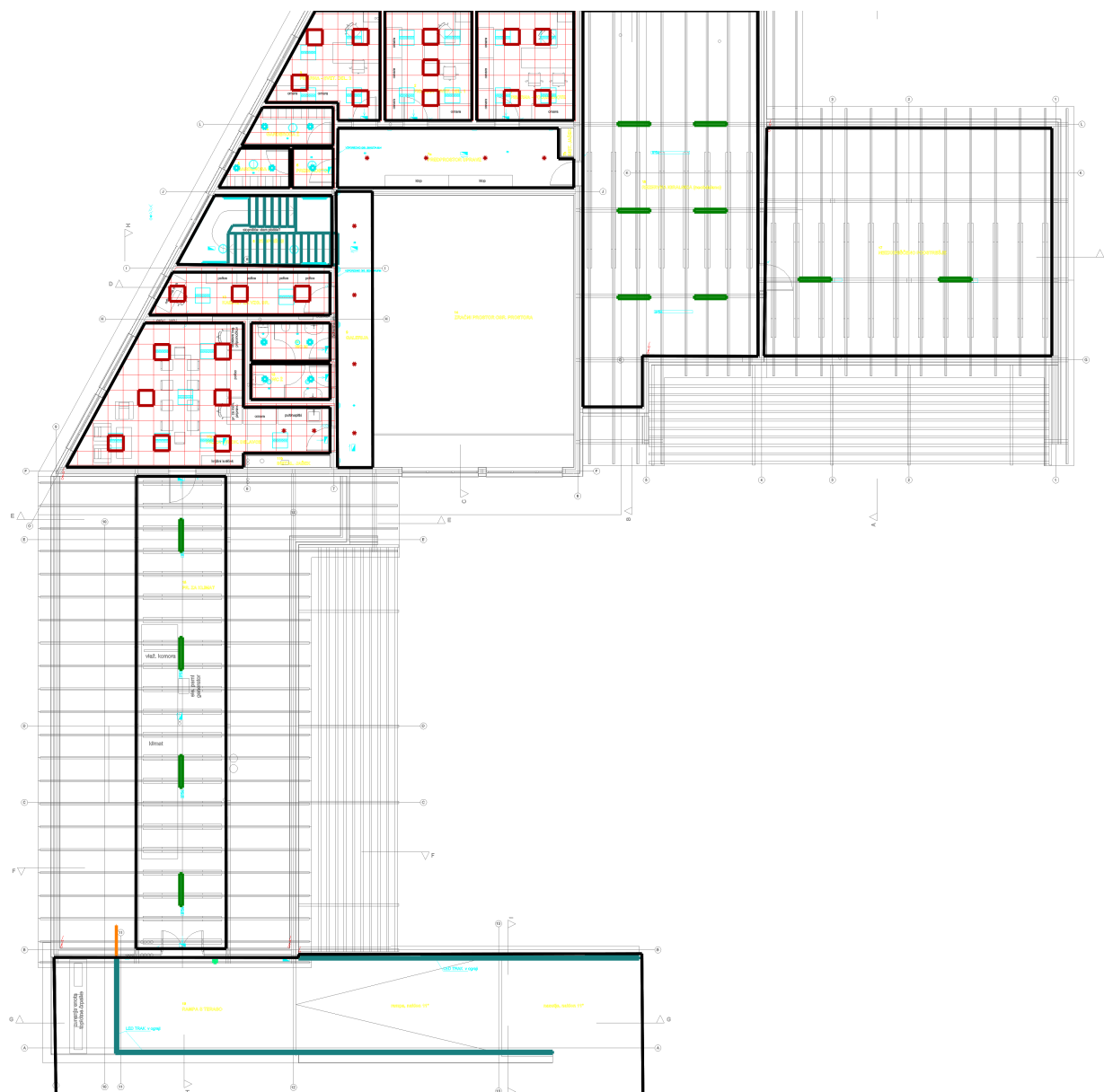
Opis, Nadstropje

.1 Nadstropje 3D



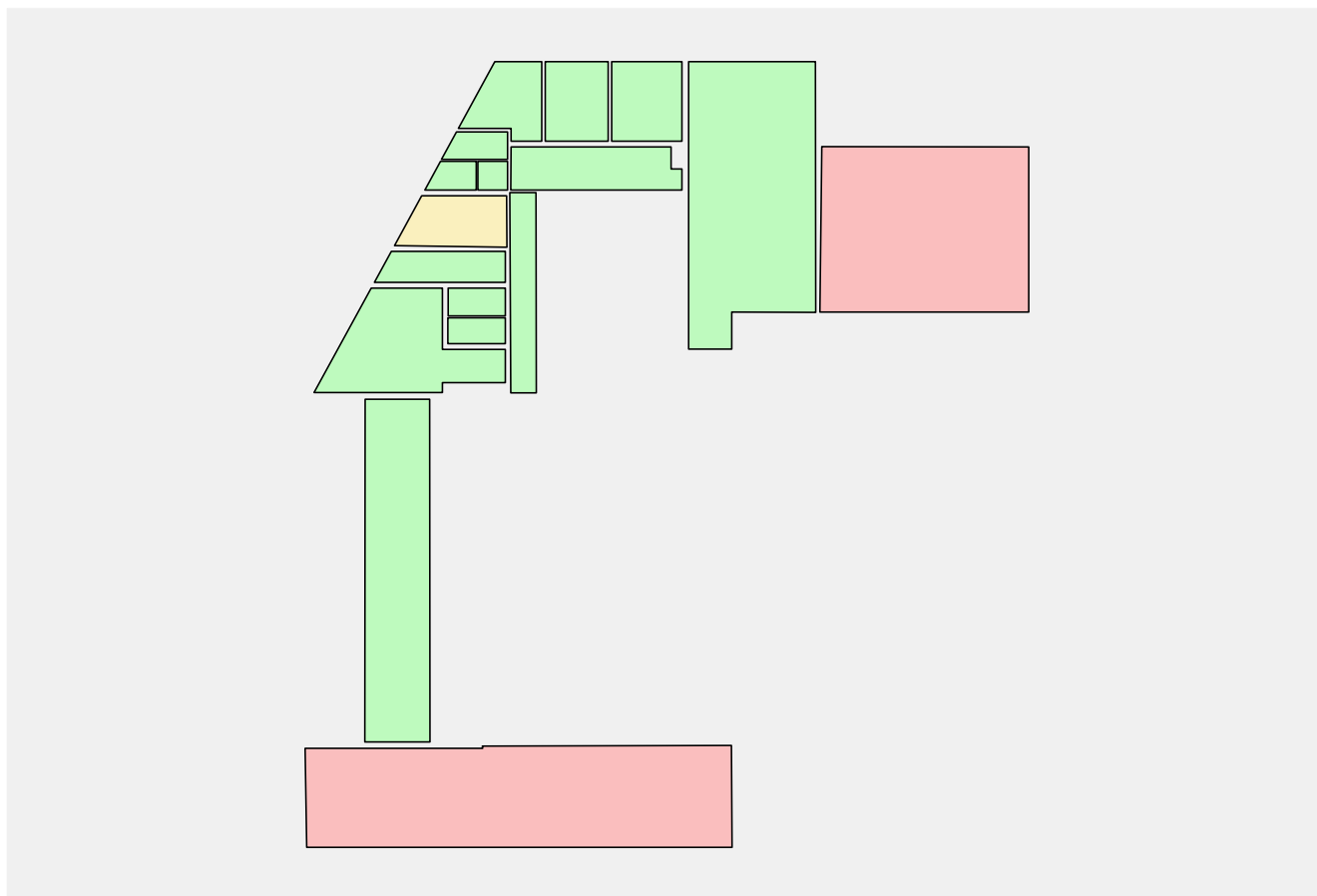
Opis, Nadstropje

.2 Tloris nadstropja



Povzetek, Nadstropje

.3 Pregled nadstropja



Število sob	17
Skupna površina	552 m ²
Število svetilk	65
Skupni svetlobni tok vseh sijalk	180436 lm
Skupna moč	1780.4 W
Skupna moč po območju	3.23 W/m ²

Izračunano
 Nominalne vrednosti so izpolnjene
 Nominalne vrednosti niso izpolnjene

Kosovnica

Tip	Št.	Proizvajalec
	2	12
	15	21
	16	1

Disano

Tipska oznaka : !Disano 960 33 W CLD CELL 16475400
 Ime svetilke : S02
 Sijalke : 1 x led_33w_960 37 W / 5094 lm

Tipska oznaka : !Disano 842 LED 4000 K CLD CELL 15020500
 Ime svetilke : S15
 Sijalke : 1 x led_lp 33 W / 3600 lm

Tipska oznaka : !Disano 2578 LED CLD CELL 431871SPEC
 Ime svetilke : S16
 Sijalke : 1 x led_2578_500_mA 21 W / 1500 lm

Povzetek, Nadstropje

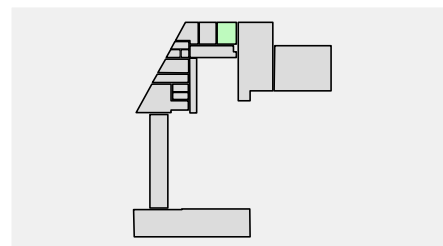
.3 Pregled nadstropja

5	8	DURALAMP	
		Tipska oznaka	: !Fosnova STRIP LED IP65 14,4 W 25% 22485117SPEC
		Ime svetilke	: S05
		Sijalke	: 1 x LED-WW-75W_ - 72 W / 1500 lm
6	9	disano	
		Tipska oznaka	: !Fosnova Speaker 1 3000 K CLD CELL 2208441000
		Ime svetilke	: S06
		Sijalke	: 1 x led_sp1_3000 14 W / 1200 lm
7	4		
		Tipska oznaka	: !Fosnova Slimcover LED 36 W CLD CELL 2218381000
		Ime svetilke	: S07
		Sijalke	: 1 x LED/sc935 41.6 W / 2602 lm
9	10		
		Tipska oznaka	: !Fosnova iSpot Comfort 2 CLD CELL 2216791000
		Ime svetilke	: S09
		Sijalke	: 1 x led_isc 12 W / 900 lm

Prostori

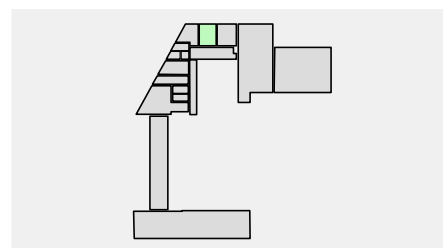
N. 1 Pisarna - vodja enote

Skupni svetlobni tok vseh sijalk	4 x Svetilke	14400 lm
Skupna moč		132 W
Skupni učinek na površino (16 m2)		8.06 W/m2
Em		628 lx (>= 500 lx)
Emin		459 lx
Emin/Eav (Uo)		0.73 (>= 0.60)
UGR		<=17.4 (< 19.00)



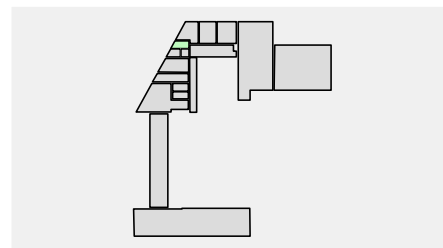
N. 2 Pisarna - svet. del. 1

Skupni svetlobni tok vseh sijalk	3 x Svetilke	10800 lm
Skupna moč		99 W
Skupni učinek na površino (15 m2)		6.75 W/m2
Em		584 lx (>= 500 lx)
Emin		356 lx
Emin/Eav (Uo)		0.61 (>= 0.60)
UGR		<=17.2 (< 19.00)



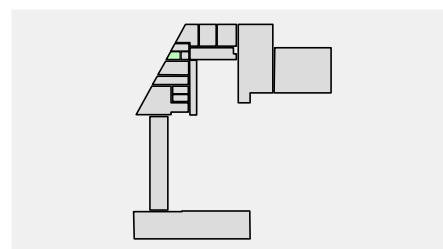
N. 4 Garderoba Z

Skupni svetlobni tok vseh sijalk	2 x Svetilke	2400 lm
Skupna moč		28 W
Skupni učinek na površino (5 m2)		5.88 W/m2
Em		219 lx (>= 200 lx)
Emin		195 lx
Emin/Eav (Uo)		0.89 (>= 0.40)
UGR		<=22.8 (< 25.00)



N. 5 Garderoba M

Skupni svetlobni tok vseh sijalk	2 x Svetilke	2400 lm
Skupna moč		28 W
Skupni učinek na površino (4 m2)		7.66 W/m2
Em		244 lx (>= 200 lx)
Emin		209 lx
Emin/Eav (Uo)		0.86 (>= 0.40)
UGR		<=22.6 (< 25.00)

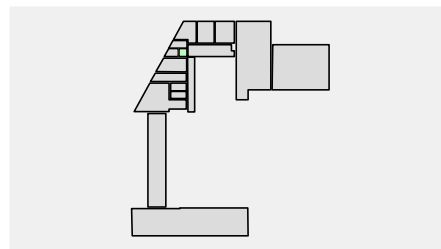


Povzetek, Nadstropje

.3 Pregled nadstropja

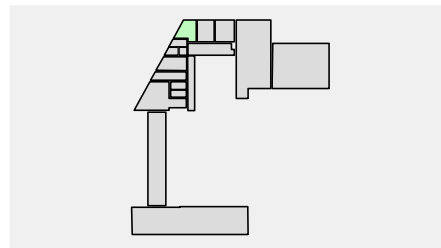
N. 6 Predprostor

Skupni svetlobni tok vseh sijalk	1 x Svetilke	1200 lm
Skupna moč	14 W	
Skupni učinek na površino (2 m ²)	5.65 W/m ²	
Em	113 lx	(≥ 100 lx)
Emin	104 lx	
Emin/Eav (Uo)	0.92	(≥ 0.40)
UGR	≤22.6	(< 28.00)



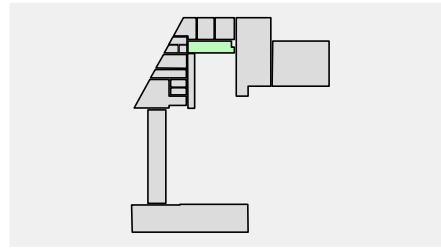
N. 3 Pisarna - svet. del. 2

Skupni svetlobni tok vseh sijalk	4 x Svetilke	14400 lm
Skupna moč	132 W	
Skupni učinek na površino (14 m ²)	9.55 W/m ²	
Em	598 lx	(≥ 500 lx)
Emin	520 lx	
Emin/Eav (Uo)	0.87	(≥ 0.60)
UGR	---	



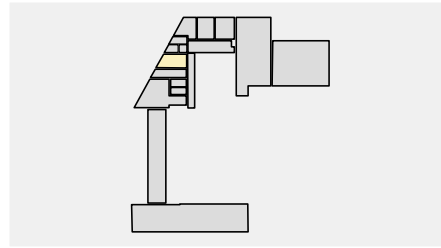
N. 7a Predprostor uprave

Skupni svetlobni tok vseh sijalk	4 x Svetilke	3600 lm
Skupna moč	48 W	
Skupni učinek na površino (21 m ²)	2.30 W/m ²	
Em	154 lx	(≥ 100 lx)
Emin	113 lx	
Emin/Eav (Uo)	0.73	(≥ 0.40)
UGR	≤18.7	(< 28.00)



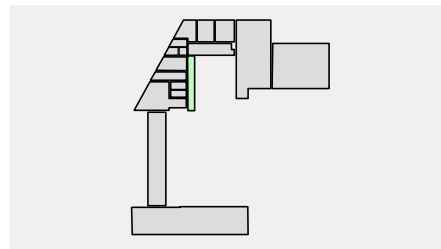
N. 8 Stopnisce

Skupni svetlobni tok vseh sijalk	4 x Svetilke	10408 lm
Skupna moč	166.4 W	
Skupni učinek na površino (15 m ²)	11.34 W/m ²	
Em	---	
Emin	---	
Emin/Eav (Uo)	---	
UGR	---	



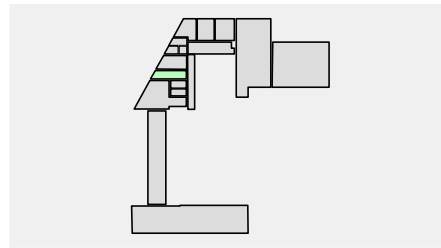
N. 9 Galerija

Skupni svetlobni tok vseh sijalk	4 x Svetilke	3600 lm
Skupna moč	48 W	
Skupni učinek na površino (15 m ²)	3.16 W/m ²	
Em	140 lx	(≥ 100 lx)
Emin	107 lx	
Emin/Eav (Uo)	0.77	(≥ 0.40)
UGR	≤18.7	(< 28.00)



N. 10 Kabint za vzg. sr.

Skupni svetlobni tok vseh sijalk	3 x Svetilke	10800 lm
Skupna moč	99 W	
Skupni učinek na površino (11 m ²)	8.89 W/m ²	
Em	550 lx	(≥ 300 lx)
Emin	491 lx	
Emin/Eav (Uo)	0.89	(≥ 0.60)
UGR	≤17.6	(< 19.00)

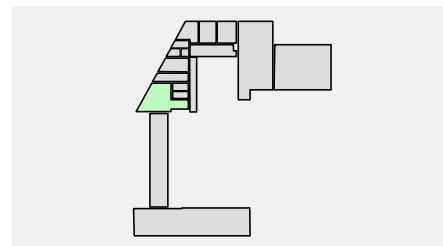


Povzetek, Nadstropje

.3 Pregled nadstropja

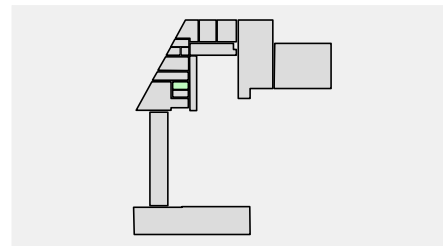
N. 11a Pr. za strok. delavce

Skupni svetlobni tok vseh sijalk	9 x Svetilke	27000 lm
Skupna moč		255 W
Skupni učinek na površino (37 m ²)		6.96 W/m ²
Em		589 lx (≥ 300 lx)
Emin		447 lx
Emin/Eav (Uo)		0.76 (≥ 0.60)
UGR		---



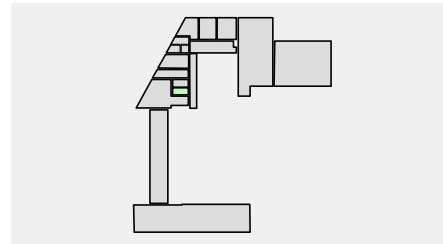
N. 12 WC M

Skupni svetlobni tok vseh sijalk	2 x Svetilke	2400 lm
Skupna moč		28 W
Skupni učinek na površino (5 m ²)		6.05 W/m ²
Em		216 lx (≥ 200 lx)
Emin		185 lx
Emin/Eav (Uo)		0.85 (≥ 0.40)
UGR		≤ 22.7 (< 25.00)



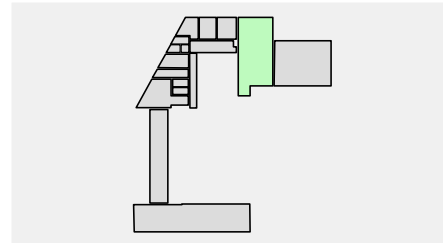
N. 13 WC Z

Skupni svetlobni tok vseh sijalk	2 x Svetilke	2400 lm
Skupna moč		28 W
Skupni učinek na površino (4 m ²)		6.44 W/m ²
Em		215 lx (≥ 200 lx)
Emin		170 lx
Emin/Eav (Uo)		0.79 (≥ 0.40)
UGR		≤ 22.7 (< 25.00)



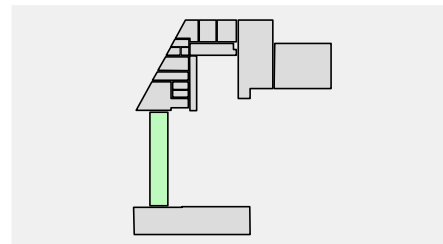
N. 15 Rezervna igralnica

Skupni svetlobni tok vseh sijalk	6 x Svetilke	30564 lm
Skupna moč		222 W
Skupni učinek na površino (98 m ²)		2.28 W/m ²
Em		217 lx (≥ 5 lx)
Emin		57 lx
Emin/Eav (Uo)		0.26 (≥ 0.25)
UGR		≤ 23.9



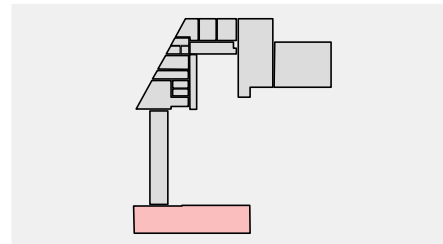
N. 16 Pr. za klomat

Skupni svetlobni tok vseh sijalk	4 x Svetilke	20376 lm
Skupna moč		148 W
Skupni učinek na površino (65 m ²)		2.27 W/m ²
Em		207 lx (≥ 200 lx)
Emin		125 lx
Emin/Eav (Uo)		0.61 (≥ 0.40)
UGR		≤ 24.4 (< 25.00)



N. 19 Rampa s teraso

Skupni svetlobni tok vseh sijalk	9 x Svetilke	13500 lm
Skupna moč		231 W
Skupni učinek na površino (125 m ²)		1.84 W/m ²
Em		78 lx (≥ 5 lx)
Emin		8 lx
Emin/Eav (Uo)		0.10 (≥ 0.25)
UGR		---



Objekt : VRTEC LAPORJE
Instalacija : Splosna razsvetljava objekta
Številka projekta : VRTEC LAPORJE B04
Datum : 12.03.2018

Povzetek, Nadstropje

.3 Pregled nadstropja

N. Neizkoristeno podstersje

Skupni svetlobni tok vseh sijalk

2 x Svetilke

Skupna moč

10188 lm

Skupni učinek na površino (100 m²)

74 W

0.74 W/m²

E_m

74 lx

(≥ 5 lx)

E_{min}

14 lx

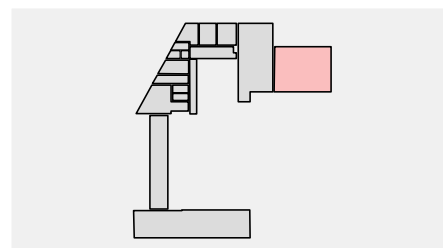
E_{min}/E_{av} (U_o)

0.19

(≥ 0.25)

UGR

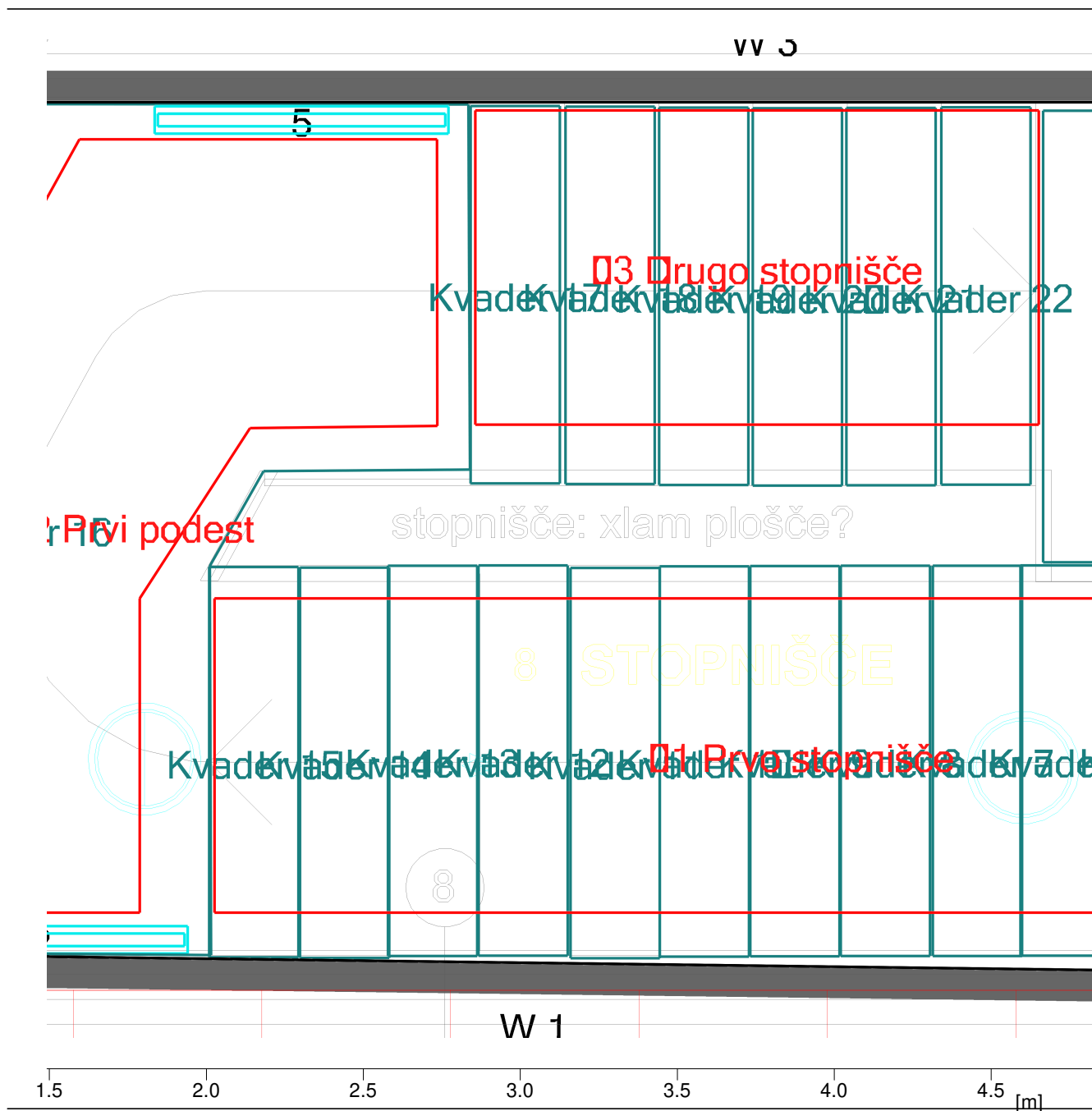
≤24.2



1 N. 8 Stopnisce

1.1 Opis, N. 8 Stopnisce

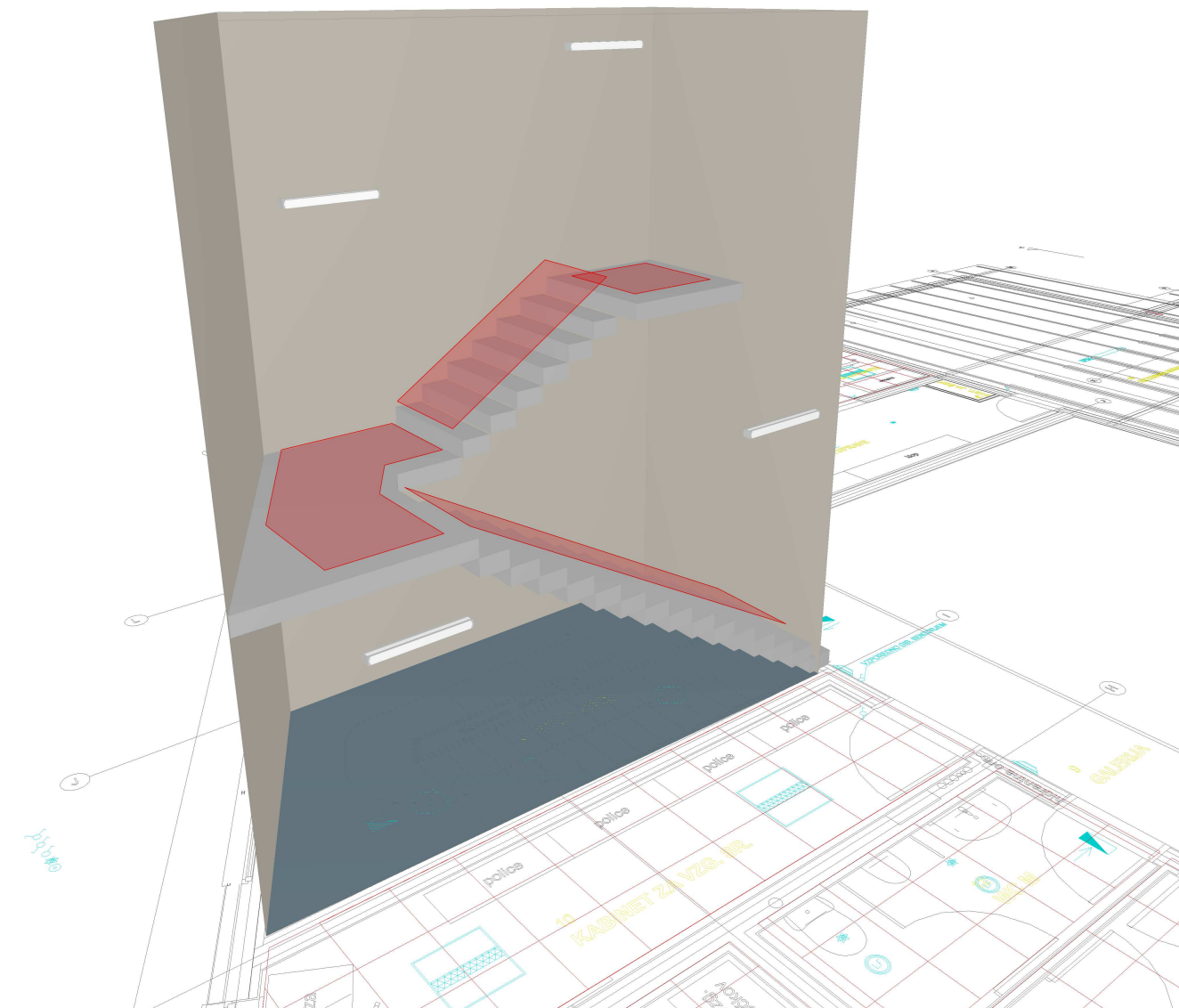
1.1.1 Tloris



Stena	x	y	Dolžina	Refleksije
1	91.71 m	31.25 m	6.09 m	50.0 %
2	91.70 m	34.03 m	2.78 m	50.0 %
3	87.09 m	34.03 m	4.61 m	50.0 %
4	85.62 m	31.33 m	3.08 m	50.0 %
Tla				20.0 %
Strop				70.0 %
Višina prostora		6.50 m		
Višina delovne površine		----		

1.1 Opis, N. 8 Stopnisce

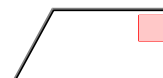
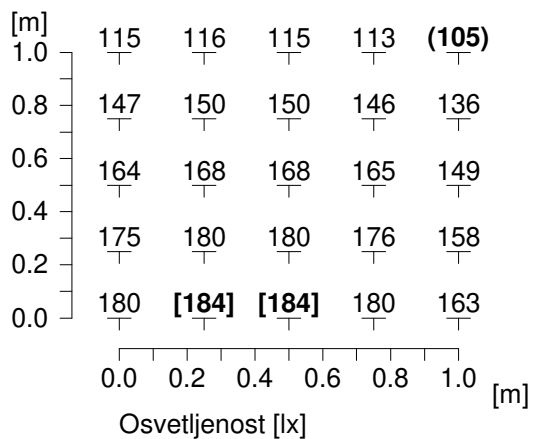
1.1.2 3D pogled, Pogled 1



1 N. 8 Stopnisce

1.2 Rezultati izračunov, N. 8 Stopnisce

1.2.1 Tabela, 04 Drugi podest (E)

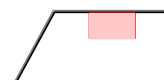
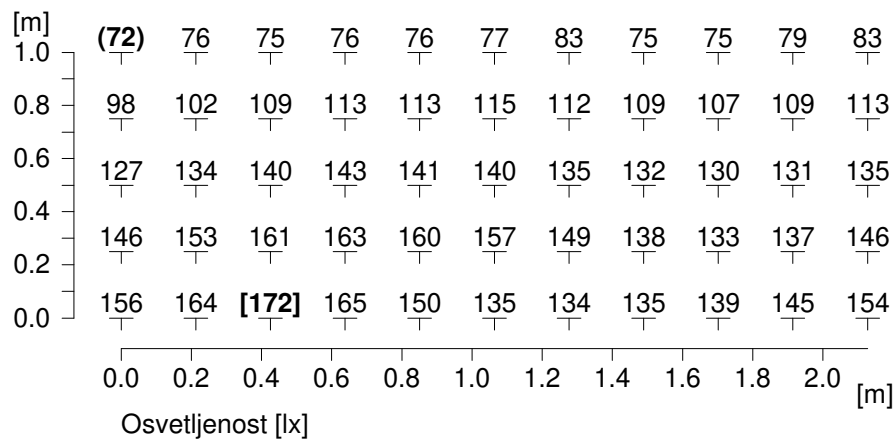


Višina referenčne ravnine

Srednja osvetljenost	Esr	: 3.93 m
Minimalna osvetljenost	Emin	: 105 lx
Maksimalna osvetljenost	EMax	: 184 lx
Enakomernost Uo	Emin/Esr	: 1 : 1.47 (0.68)
Enakomernost Ud	Emin/EMax	: 1 : 1.75 (0.57)

1.2 Rezultati izračunov, N. 8 Stopnisce

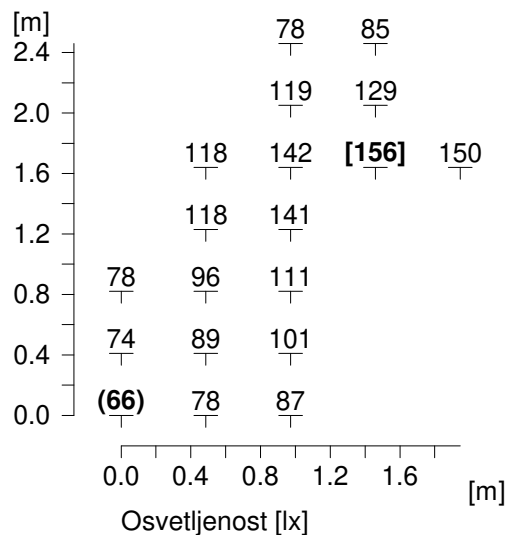
1.2.2 Tabela, 03 Drugo stopnišče (E)



Srednja osvetljenost	Esr	: 124 lx
Minimalna osvetljenost	Emin	: 72 lx
Maksimalna osvetljenost	EMax	: 172 lx
Enakomernost Uo	Emin/Esr	: 1 : 1.73 (0.58)
Enakomernost Ud	Emin/EMax	: 1 : 2.40 (0.42)

1.2 Rezultati izračunov, N. 8 Stopnisce

1.2.3 Tabela, 02 Prvi podest (E)

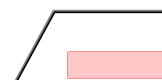
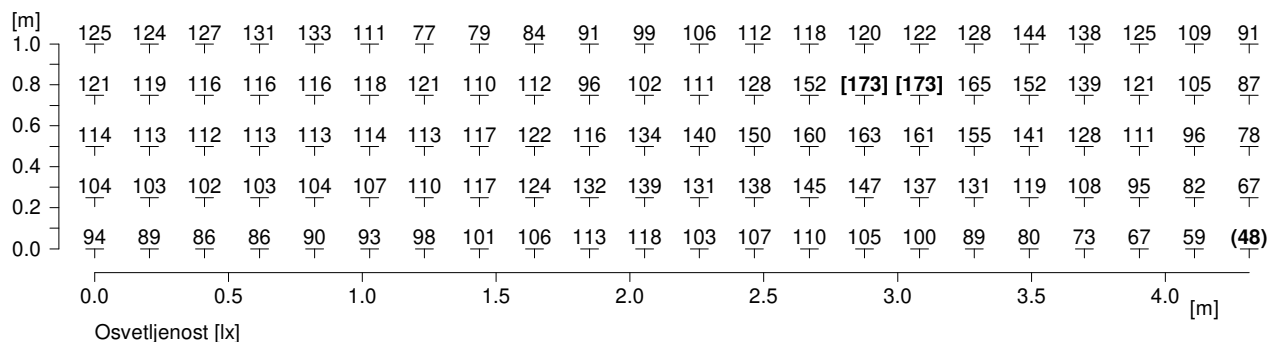


Višina referenčne ravnine

Srednja osvetljenost	Esr	: 2.78 m
Minimalna osvetljenost	Emin	: 106 lx
Maksimalna osvetljenost	EMax	: 66 lx
Enakomernost Uo	Emin/Esr	: 1 : 1.61 (0.62)
Enakomernost Ud	Emin/EMax	: 1 : 2.36 (0.42)

1.2 Rezultati izračunov, N. 8 Stopnisce

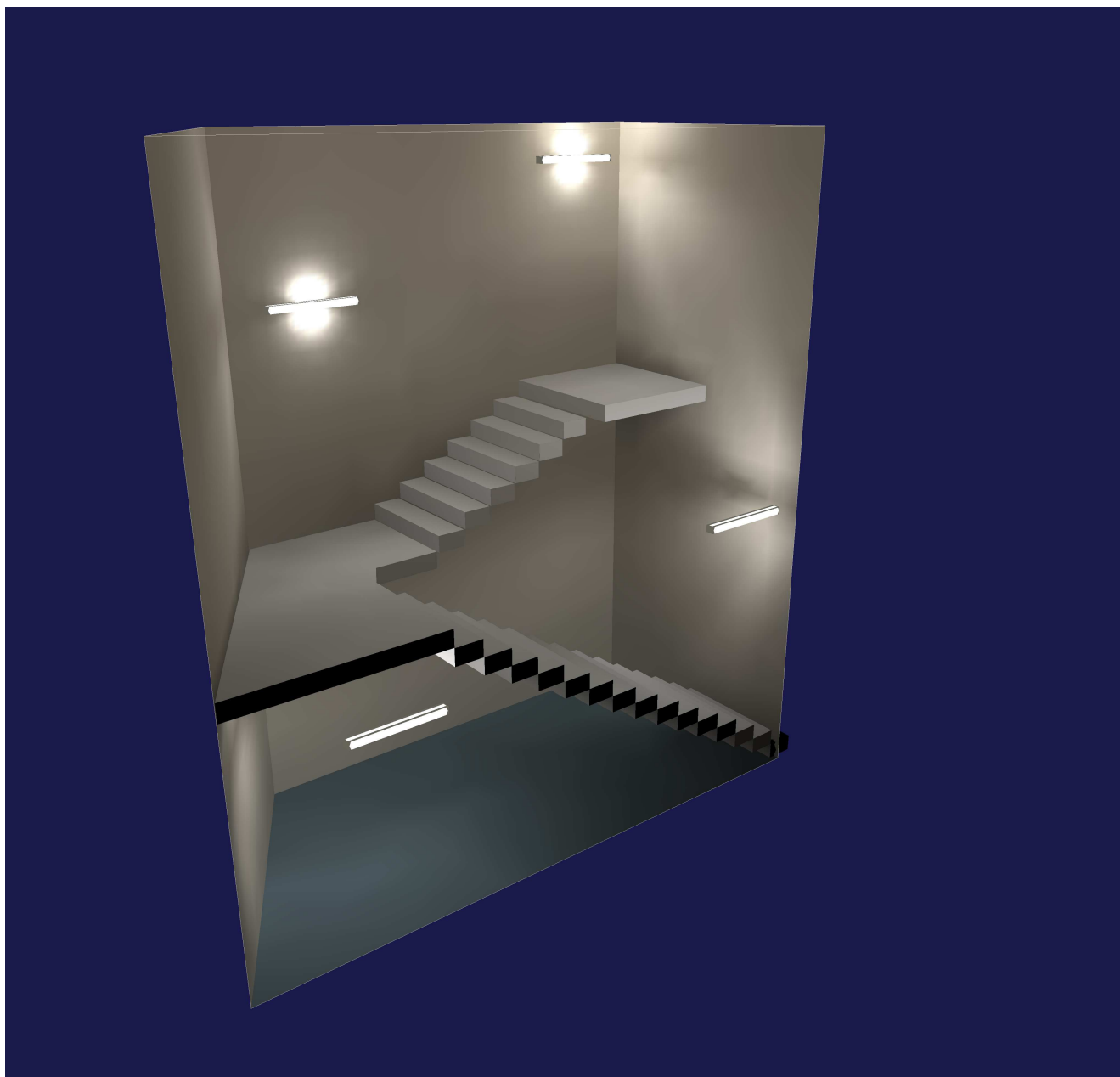
1.2.4 Tabela, 01 Prvo stopnišče (E)



Srednja osvetljenost	Esr	: 114 lx
Minimalna osvetljenost	Emin	: 48 lx
Maksimalna osvetljenost	EMax	: 173 lx
Enakomernost Uo	Emin/Esr	: 1 : 2.40 (0.42)
Enakomernost Ud	Emin/EMax	: 1 : 3.62 (0.28)

1.2 Rezultati izračunov, N. 8 Stopnisce

1.2.5 3D svetlosti, Pogled 1



Svetlost v sceni

Minimum

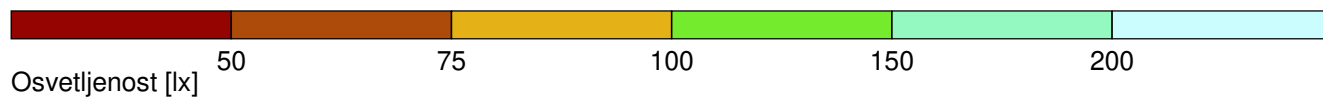
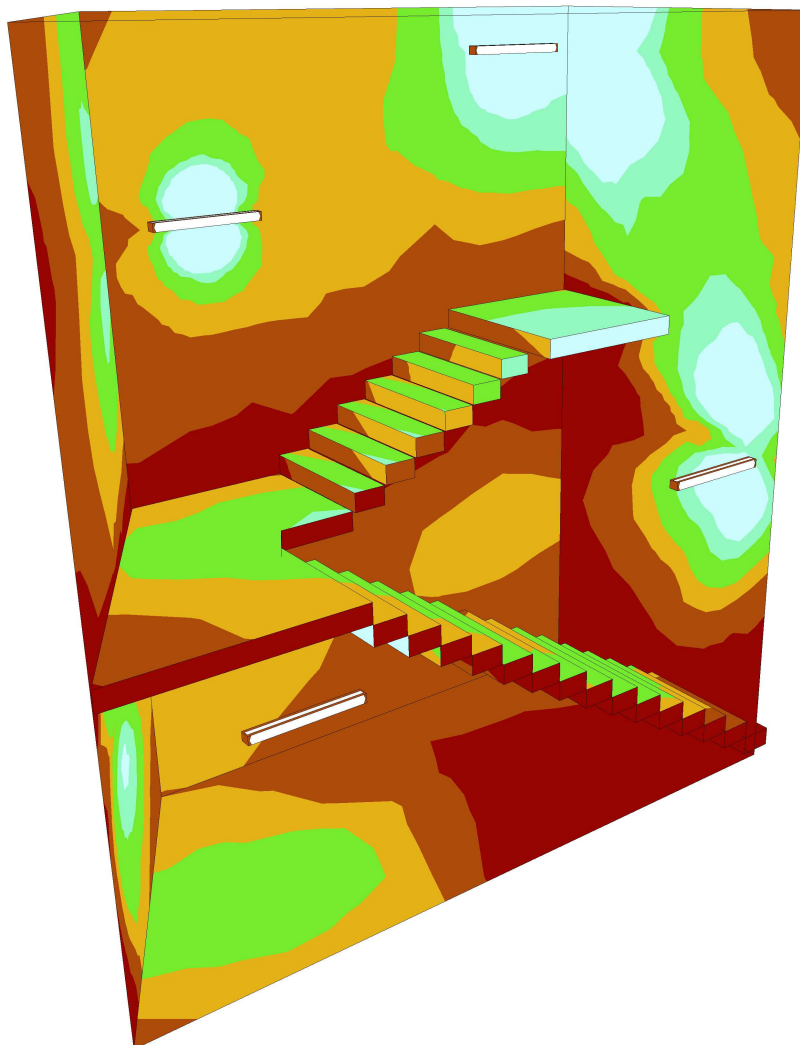
: 0 cd/m²

Maksimum:

: 854 cd/m²

1.2 Rezultati izračunov, N. 8 Stopnisce

1.2.6 3D nadomestne barve, Pogled 1 (E)



Osvetljenost [lx]