



Coreline tempo X-Large

BVP140 T25 LED399-4S/840 PSD DX60

Coreline tempo X-Large, Floodlight, 280 W, 39900 lm, 4000 K, CRI70, Asymmetrical, IP66

CoreLine tempo X-Large delivers on the CoreLine promise of innovative, easy to use and high-quality floodlighting. The CoreLine tempo X-Large offers lumen packages for many different application areas as well as a choice of high-performance asymmetrical and symmetrical optics. A direct replacement for 250W, 400W HID and SON-T lamps, thanks to a narrow range of options, it's easy to find the best lux-for-lux replacement. The installation is also made easy due to a U-shaped universal mounting bracket and the external quick 3-poles connector. It is an ideal solution for outdoor led flood lighting for industrial/commercial areas, parking lots, etc.

Product data

General Information		Serviceability class	
Lamp family code	LED399 [LED module 39900 lm]	Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Light source replaceable	Yes	Light Technical	
Number of gear units	1 unit	Upward light output ratio	0
Driver included	Yes	Luminous Flux	35882,5 lm
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components	Standard tilt angle posttop	0°
Light source engine type	LED	Standard tilt angle side entry	0°
Product family code	BVP140 [CORELINE TEMPO X-LARGE]	Luminous Efficacy (rated) (Nom)	128,15 lm/W
Lighting Technology	LED	Correlated Color Temperature (Nom)	4000 K
Value ladder	Performance	Color rendering index (CRI)	80
		Light source color	840 neutral white
		Optical cover type	Flat glass

Coreline tempo X-Large

Luminaire light beam spread	73° x 26°
Optic type outdoor	Asymmetrical

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	280 W
Power Factor (Fraction)	0.99
Connection	External connector
Cable	Cable 1.0 m with plug Wieland/Adels compatible 3-pole
Number of products on MCB of 16 A type B	4

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Wall-mounting bracket
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	540 mm
Overall width	560 mm
Overall height	70 mm
Effective projected area	0.26 m ²
Dimensions (Height x Width x Depth)	70 x 560 x 540 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode

Sustainability rating	-
Certificates	CE, CB, ENEC, TÜV SÜD, UKCA, EAC
Protection	EN 60598-2-24, IEC 60695-2-12

Warranty period	5 years
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

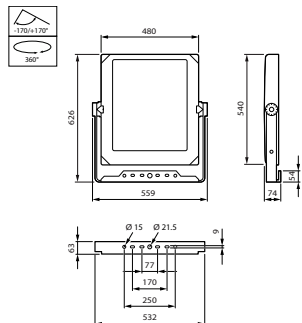
Control gear failure rate at median useful life 75000 h	10 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 75000 h	L80
Lumen maintenance at median useful life* 100000 h	L96

Application Conditions

Performance ambient temperature Tq	25 °C
Net Weight (Piece)	17.000 kg

Coreline tempo X-Large

Dimensional drawing



Resisto HE

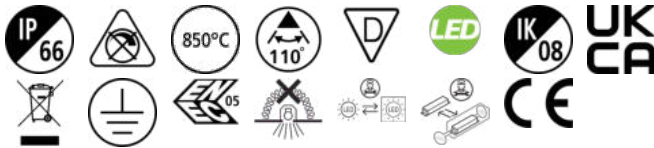
Resisto 1500 HE IP66 4000lm 840

0010268



Product features

- Resisto, integrated LED weatherproof luminaire, with UV stabilized flat diffuser designed to achieve uniform lit appearance, optimise light output and to reduce glare. 301 stainless steel diffuser clips and fixing brackets for surface mounting. Polycarbonate housing and diffuser - no yellow discolouration over time. 4000lm; 25W; 160lm/W; 4000K; SDCM<3; non dimmable; CRI80; IP66; IK08; Class I; 69,000hrs (L80B20) lifespan; 1500mm x 89mm x 88mm; D-mark.



PRODUCT OVERVIEW

Product name	Resisto 1500 HE IP66 4000lm 840
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling surface mounting, Suspended, Wall surface mounted
General application	Logistics & Industry
ETIM Class	EC002892
E-number FI	4357137
Warranty	5 years
Useful luminous flux (Fuse)	4000
Fixture luminous flux (lm)	4000
Luminaire efficacy (lm/W)	160
Correlated colour temperature (k)	4000
CRI (Ra)	80
Colour Consistency (SDCM)	3
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	110
Glare control	< 23
Photobiological Risk Group	RG1
Total power consumption (W)	25
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
LED Flickering Rate	Ultra low (5% or less)
Housing colour	Grey
IP rating	IP66
IK rating	IK08
Product EAN number	5410288102689

DATA TABLE

General data

Product name	Resisto 1500 HE IP66 4000lm 840
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Resisto HE

Resisto 1500 HE IP66 4000lm 840

0010268

Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling surface mounting, Suspended, Wall surface mounted
General application	Logistics & Industry
Operating temperature range (°C)	-20°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number FI	4357137
Warranty	5 years

Optical data

Useful luminous flux (Fuse)	4000
Fixture luminous flux (lm)	4000
Luminaire efficacy (lm/W)	160
Correlated colour temperature (k)	4000
CRI (Ra)	80
Colour Consistency (SDCM)	3
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	110
Distribution type	Diffuse
Glare control	< 23
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	25
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	20
Electrical protection	Class I
Control gear type	LED driver constant current
No. Of switching cycles before premature failures	>50000
Dimmable	No
Dimming method	N/A
Drive current (mA)	350
Inrush Current (A)	6.1
Inrush Duration (µs)	18
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	60
Max. products per 13A C Breaker	79
Max. products per 16A C Breaker	97
Max. products per 20A C Breaker	121

Resisto HE

Resisto 1500 HE IP66 4000lm 840

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Max. products per 10A B Breaker	60
Max. products per 13A B Breaker	79
Max. products per 16A B Breaker	97
Max. products per 20A B Breaker	121
Connectable conductor cross section - Max (mm ²)	2.5

Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	69000
Lifespan L90 B10	31000

Physical data

Housing colour	Grey
IP rating	IP66
IK rating	IK08
Diffuser finish	Frosted
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1500
Nominal Product Width (mm)	87
Nominal Product Height (mm)	80
Weight (kg)	1.87

Packaging

Product EAN number	5410288102689
Packaging single length / height (cm)	150.5
Packaging single width (cm)	10.0
Packaging single depth (cm)	8.5
DUN14 (outer)	05410288102689
Units per outer package	1
Packaging outer length / height (cm)	150.5
Packaging outer width (cm)	10.0
Packaging outer depth (cm)	8.5

Safety data

Optimal operating condition (°C)	-20-40
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PHOTOMETRY

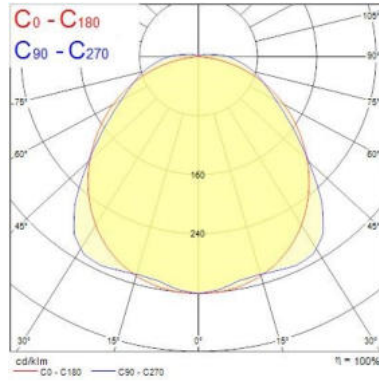
Resisto HE

Resisto 1500 HE IP66 4000lm 840
0010268

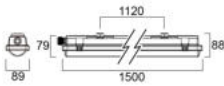
0.5	1.32 1.43	E(0°) E(C90) E(C0)	9146 899 486
1.0	2.63 2.86	E(0°) E(C90) E(C0)	1288 142 122
1.5	3.95 4.29	E(0°) E(C90) E(C0)	873 93 54
2.0	5.27 5.71	E(0°) E(C90) E(C0)	522 56 30
2.5	6.59 7.14	E(0°) E(C90) E(C0)	206 23 13
3.0	7.90 8.57	E(0°) E(C90) E(C0)	143 16 14

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 110.0°)
— C90 - C270 (Half beam angle: 105.0°)



TECHNICAL DRAWINGS



Resisto HE

Resisto 1500 HE IP66 4000lm 840 EM

0010271



Product features

- Resisto, integrated LED weatherproof luminaire, with UV stabilized flat diffuser designed to achieve uniform lit appearance, optimise light output and to reduce glare. 301 stainless steel diffuser clips and fixing brackets for surface mounting. Polycarbonate housing and diffuser - no yellow discolouration over time. 4000lm; 29W; 138lm/W; 4000K; SDCM<3; non dimmable; CRI80; IP66; IK08; Class I; 69,000hrs (L80B20) lifespan; 1500mm x 89mm x 88mm; D-mark; 3-hour maintained emergency batteries.



PRODUCT OVERVIEW

Product name	Resisto 1500 HE IP66 4000lm 840 EM
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling surface mounting, Suspended, Wall surface mounted
General application	Logistics & Industry
ETIM Class	EC002892
Warranty	5 years
Useful luminous flux (Fuse)	4000
Fixture luminous flux (lm)	4000
Luminaire efficacy (lm/W)	138
Correlated colour temperature (k)	4000
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Colour Consistency (SDCM)	3
Beam Angle (°)	110
Glare control	< 23
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	785
Luminous flux (emergency) (lm)	785
Total power consumption (W)	29
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
LED Flickering Rate	Ultra low (5% or less)
Housing colour	Grey
IP rating	IP66
IK rating	IK08
Product EAN number	5410288102719

Resisto HE

Resisto 1500 HE IP66 4000lm 840 EM
0010271

DATA TABLE

General data

Product name	Resisto 1500 HE IP66 4000lm 840 EM
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling surface mounting, Suspended, Wall surface mounted
General application	Logistics & Industry
Operating temperature range (°C)	5°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	5 years

Optical data

Useful luminous flux (Fuse)	4000
Fixture luminous flux (lm)	4000
Luminaire efficacy (lm/W)	138
Correlated colour temperature (k)	4000
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Colour Consistency (SDCM)	3
Beam Angle (°)	110
Distribution type	Diffuse
Glare control	< 23
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	785
Luminous flux (emergency) (lm)	785
Emergency duration (h)	3

Electrical data

Total power consumption (W)	29
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	1
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	20
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
No. Of switching cycles before premature failures	>50000
Dimmable	No
Dimming method	N/A
Drive current (mA)	350
Inrush Current (A)	6.1
Inrush Duration (µs)	18
Glow Wire Test (°C)	850

Resisto HE

Resisto 1500 HE IP66 4000lm 840 EM

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Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	60
Max. products per 13A C Breaker	79
Max. products per 16A C Breaker	97
Max. products per 20A C Breaker	121
Max. products per 10A B Breaker	60
Max. products per 13A B Breaker	79
Max. products per 16A B Breaker	97
Max. products per 20A B Breaker	121
Connectable conductor cross section - Max (mm ²)	2.5

Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	69000
Lifespan L90 B10	31000

Physical data

Housing colour	Grey
IP rating	IP66
IK rating	IK08
Diffuser finish	Frosted
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1500
Nominal Product Width (mm)	87
Nominal Product Height (mm)	80
Weight (kg)	2.51

Packaging

Product EAN number	5410288102719
Packaging single length / height (cm)	150.5
Packaging single width (cm)	10.0
Packaging single depth (cm)	8.5
DUN14 (outer)	05410288102719
Units per outer package	1
Packaging outer length / height (cm)	150.5
Packaging outer width (cm)	10.0
Packaging outer depth (cm)	8.5

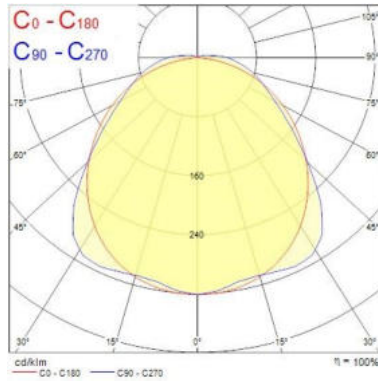
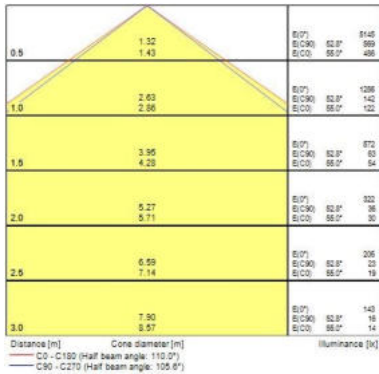
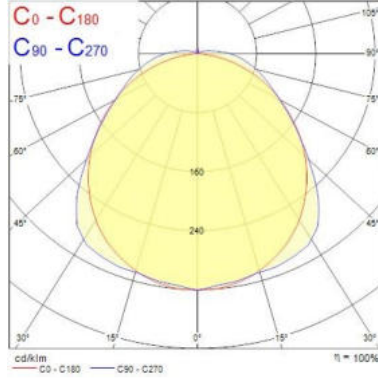
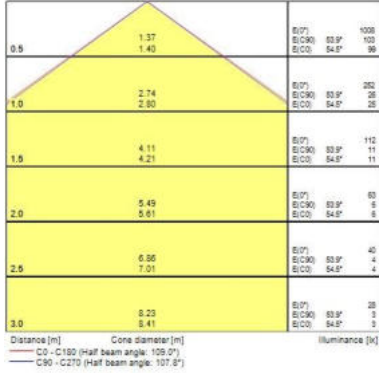
Safety data

Optimal operating condition (°C)	5-40
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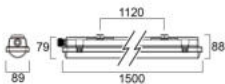
PHOTOMETRY

Resisto HE

Resisto 1500 HE IP66 4000lm 840 EM
0010271



TECHNICAL DRAWINGS





Signify International B.V. Podružnica Zagreb

Ulica Josipa Marohnića 1/1

10000 Zagreb

Croatia

Date: 20.08.2024.

Naručitelj: Grad Sinj, Dragašev prolaz 24, 21230 Sinj

Predmet nabave: Izvođenje radova na zamjene rasvjete u sportskoj dvorani Ivica Ićo Glavan


Evidencijski Broj : MV 1/23

IZJAVA O JAMSTVENOM ROKU

Ovim putem kao **proizvođač rasvjetne opreme Philips**, izjavljujemo, kako je jamstveni rok/garancija za ponuđene svjetiljke (BVP140) na ovom predmetu nabave **5 godina**.

S poštovanjem

Stjepan Tvrković Čavar

 Signify International B.V.
Podružnica Zagreb
Systems Support Manager
OIB: 79976009907

Hrvatska / B&H

*Igor Stjepan
Čavar*

Feilo Sylvania International Group Kft
Népfürdő Street 22
1138 Budapest, Hungary

IZJAVA PROIZVOĐAČA

Ovim putem kao proizvođač Feilo Sylvania izjavljujemo i potvrđujemo kako je jamstveni rok za svjetiljke RESISTO 5 godina:

Ova izjava služi u svrhu nabave navedenih proizvoda.

Naručitelj: Grad Sinj, Dragašev prolaz 24, 21230 Sinj, OIB: 03210055420

Predmet nabave: IZVOĐENJE RADOVA NA ZAMJENE RASVJETE U SPORTSKOJ DVORANI
IVICA IĆO GLAVAN

Dana: 19.08.2024.

Za Feilo Sylvania International Group Kft



Miroslav Rasonja

Regional Sales Manage

Croatia, Slovenia, Serbia, BiH, Montenegro, Macedonia, Kosovo, Albania

Sportska dvorana Sinj

Prostor :
Broj projekta :
Stranka :
Projektirao :
Datum : 20.08.2024

Slijedeće vrijednosti temelje se na egzaktnom izračunu provedenom na kalibriranim žaruljama, svjetiljkama i njihovom zajedničkom radu. U praksi su moguća manja odstupanja. Ne postoje nikakve garancije na datoteke svjetiljki. Proizvođač ne preuzima nikakvu odgovornost za nastalu štetu odnosno štetu prouzročenu korisniku ili trećoj osobi.

Objekt : Sportska dvorana Sinj
Prostor :
Broj projekta :
Datum : 20.08.2024

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1 Podaci o svjetiljci

1.1 Sylvania, Resisto 1500 HE IP66 4000lm 840 (0010268)

1.1.1 Stranica s podacima

Proizvođač: Sylvania

0010268 Resisto 1500 HE IP66 4000lm 840

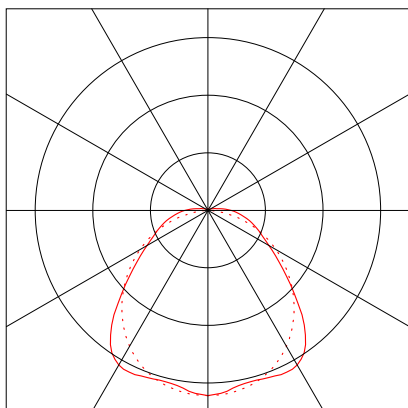
Podaci o svjetiljci

Svjetl. iskoristivost svjetiljke : 100%
Efikasnost svjetiljki : 160 lm/W
Klasifikacija : A41 □ 96.2% ↑ 3.8%
CIE Flux Codes : 47 78 93 96 100
UGR 4H 8H : 21.6 / 22.2
Snaga : 25 W
Svjetlosni tok : 4000 lm

Dimenzije : 1500 mm x 87 mm x 80 mm

Opremljeno žaruljama

Broj : 1
Opis : 0010268
Resisto 1500
HE IP66
Boja : 4000
Svjetlosni tok : 4000 lm
Reprodukcija boje : 80



Objekt : Sportska dvorana Sinj
Prostor :
Broj projekta :
Datum : 20.08.2024

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1 Podaci o svjetiljci

1.2 Sylvania, Resisto 1500 HE IP66 4000lm 84... (0010271EM)

1.2.1 Stranica s podacima

Proizvođač: Sylvania

0010271EM Resisto 1500 HE IP66 4000lm 840 EM

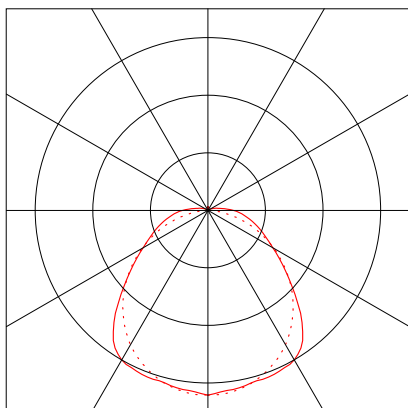
Podaci o svjetiljci

Svjetl. iskoristivost svjetiljke : 100%
Efikasnost svjetiljki : 27.07 lm/W
Klasifikacija : A41 □ 95.8% ↑ 4.2%
CIE Flux Codes : 46 77 93 96 100
UGR 4H 8H : 19.7 / 17.6
Snaga : 29 W
Svjetlosni tok : 785 lm

Opremljeno žaruljama

Broj : 1
Opis : 0010271EM
Resisto 1500
HE IP66
Boja : 4000
Svjetlosni tok : 785 lm
Reprodukcija boje : 80

Dimenzije : 1500 mm x 87 mm x 80 mm



Objekt : Sportska dvorana Sinj
Prostor :
Broj projekta :
Datum : 20.08.2024

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1 Podaci o svjetiljci

1.3 PHILIPS/2024-08-19 Eulumdat/1 ..., BVP140 T25 LED399-4S/8... (BVP140I-be80fb2...)

1.3.1 Stranica s podacima

Proizvođač: PHILIPS/2024-08-19 Eulumdat/1 B-Tilt = 0.00

BVP140I-be80fb26-adeb-401d-b683-c6e314549682

BVP140 T25 LED399-4S/840 PSD DX60

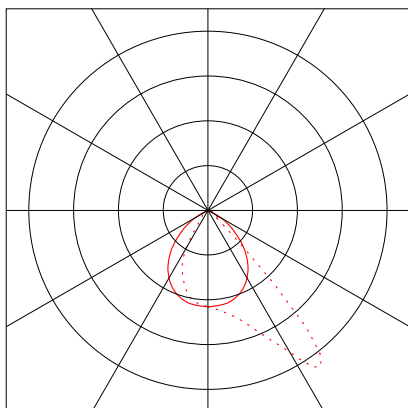
Podaci o svjetiljci

Svjetl. iskoristivost svjetiljke : 89.931%
Efikasnost svjetiljki : 128.15 lm/W
Klasifikacija : A50 □ 100.0% ↑ 0.0%
CIE Flux Codes : 70 96 100 100 90
UGR 4H 8H : 26.3 / 19.3
Snaga : 280 W
Svjetlosni tok : 35882.5 lm

Opremljeno žaruljama

Broj : 1
Opis : LED399-4S/840
Boja : 4000
Svjetlosni tok : 39900 lm
Reprodukcija boje : 80

Dimenzije : 626 mm x 559 mm x 70 mm



Objekt : Sportska dvorana Sinj
Prostor :
Broj projekta :
Datum : 20.08.2024

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2 Dvorana

2.1 Opis, Dvorana

2.1.1 Podaci o svjetiljkama/Elementi prostora

Podaci proizvoda:

Tip Kom. Proizvod

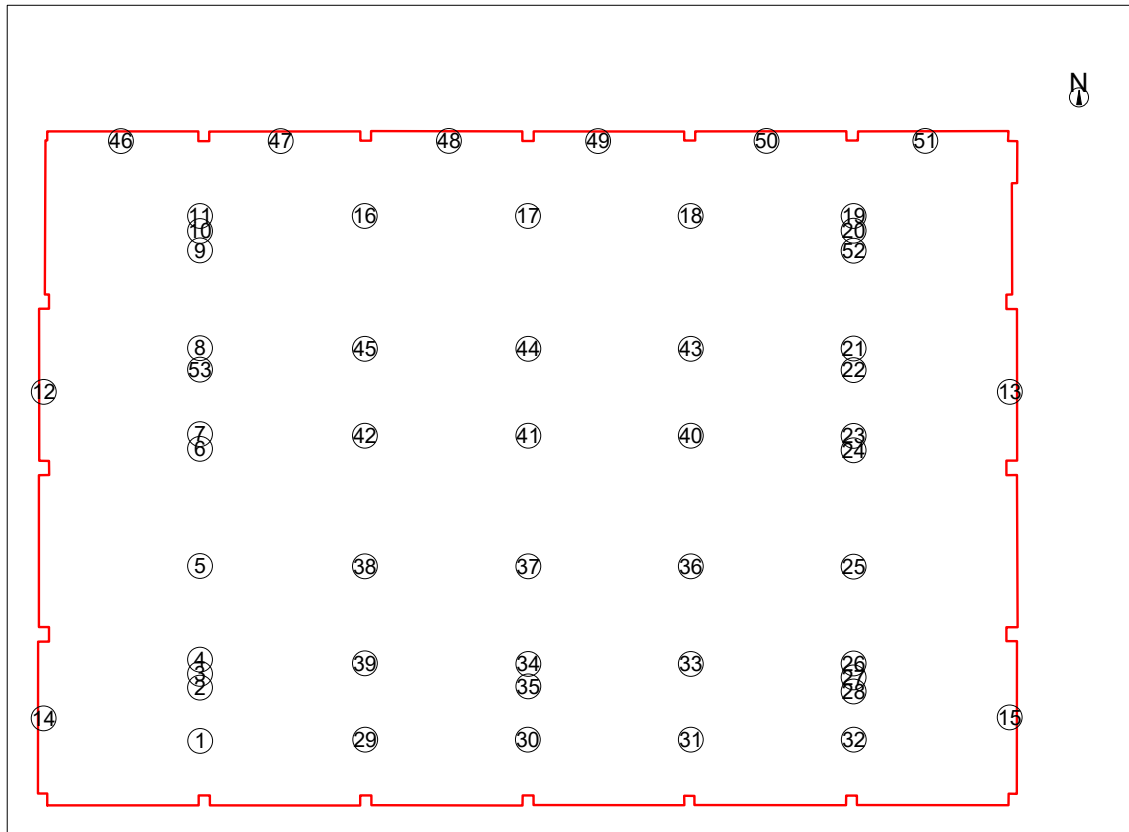
1	3 x	Sylvania	
		Tipska oznaka : 0010268	
		Naziv svjetiljke : Resisto 1500 HE IP66 4000lm 840	
		Žarulje : 1 x 0010268 Resisto 1500 HE IP66 4000lm 840 25 W / 4000 lm	
2	3 x	Sylvania	
		Tipska oznaka : 0010271EM	
		Naziv svjetiljke : Resisto 1500 HE IP66 4000lm 840 EM	
		Žarulje : 1 x 0010271EM Resisto 1500 HE IP66 4000lm 840 EM 29 W / 785 lm	
3	47 x	PHILIPS/2024-08-19 Eulumdat/1 B-Tilt = 0.00	
		Tipska oznaka : BVP140I-be80fb26-adeb-401d-b683-c6e314549682	
		Naziv svjetiljke : BVP140 T25 LED399-4S/840 PSD DX60	
		Žarulje : 1 x LED399-4S/840 280 W / 39900 lm	

2 Dvorana

2.1 Opis, Dvorana

2.1.1 Podaci o svjetiljkama/Elementi prostora

Floor with luminaire and sensor positions:



Objekt : Sportska dvorana Sinj
 Prostor :
 Broj projekta :
 Datum : 20.08.2024



2 Dvorana

2.1 Opis, Dvorana

2.1.1 Podaci o svjetiljkama/Elementi prostora

Br.	centralna točka			kut rotacije oko			koordinate završne točke		
	X [m]	Y [m]	Z [m]	Z [°]	C0 [°]	C90 [°]	Xa [m]	Ya [m]	Za [m]
Sylvania Resisto 1500 HE IP66 4000lm 840 0010268									
47	10.94	31.13	7.50	270.00	0.00	-90.00	10.94	0.00	7.50
49	25.81	31.13	7.50	270.00	0.00	-90.00	25.81	0.02	7.50
51	41.14	31.14	7.50	270.00	0.00	-90.00	41.14	0.02	7.50
Sylvania Resisto 1500 HE IP66 4000lm 840 EM 0010271EM									
46	3.45	31.13	7.50	270.00	0.00	90.00	3.45	31.59	7.50
48	18.82	31.13	7.50	270.00	0.00	-90.00	18.82	0.00	7.50
50	33.70	31.13	7.50	270.00	0.00	-90.00	33.70	0.02	7.50
PHILIPS/2024-08-19 Eulumdat/1 B-Tilt = 0.00 BVP140 T25									
LED399-4S/840 PSD DX60 BVP140I-be80fb26-adeb-401d-b683-c6e314549682									
1	7.16	3.02	7.55	0.00	0.00	0.00	7.16	8.48	0.00
2	7.16	5.51	7.65	0.00	-10.00	0.00	7.16	9.22	0.00
3	7.16	6.16	7.65	90.00	-10.00	0.00	3.45	6.16	0.00
4	7.16	6.83	7.70	0.00	5.00	0.00	7.16	13.50	0.00
5	7.16	11.22	7.90	180.00	10.00	0.00	7.16	3.07	0.00
6	7.16	16.71	8.15	270.00	25.00	0.00	21.82	16.71	0.00
7	7.16	17.40	8.20	90.00	0.00	0.00	1.23	17.40	0.00
8	7.16	21.42	8.40	180.00	15.00	0.00	7.16	11.08	0.00
9	7.16	26.01	8.55	180.00	20.00	0.00	7.16	13.37	0.00
10	7.16	26.91	8.55	180.00	10.00	0.00	7.16	18.09	0.00
11	7.16	27.62	8.70	180.00	5.00	0.00	7.16	20.08	0.00
12	-0.16	19.37	7.40	270.00	40.00	0.00	29.44	19.37	0.00
13	45.10	19.37	7.40	90.00	40.00	0.00	15.51	19.37	0.00
14	-0.17	4.08	7.40	270.00	40.00	0.00	29.42	4.08	0.00
15	45.09	4.12	7.40	90.00	40.00	0.00	15.50	4.13	0.00
16	14.88	27.62	8.70	180.00	10.00	0.00	14.88	18.64	0.00
17	22.52	27.62	8.70	180.00	10.00	0.00	22.52	18.64	0.00
18	30.14	27.62	8.70	180.00	10.00	0.00	30.14	18.64	0.00
19	37.78	27.62	8.70	180.00	10.00	0.00	37.78	18.64	0.00
20	37.78	26.93	8.55	180.00	15.00	0.00	37.78	16.41	0.00
21	37.78	21.41	8.40	180.00	15.00	0.00	37.78	11.07	0.00
22	37.78	20.40	8.35	180.00	25.00	0.00	37.78	5.38	0.00
23	37.78	17.31	8.20	270.00	0.00	0.00	43.71	17.31	0.00
24	37.78	16.64	8.15	90.00	30.00	0.00	19.52	16.64	0.00
25	37.78	11.18	7.90	180.00	15.00	0.00	37.78	1.46	0.00
26	37.78	6.65	7.70	0.00	10.00	0.00	37.78	14.59	0.00
27	37.78	6.00	7.65	270.00	0.00	0.00	43.31	6.00	0.00
28	37.78	5.33	7.65	0.00	0.00	0.00	37.78	10.87	0.00
29	14.90	3.08	7.55	0.00	-5.00	0.00	14.90	7.59	0.00
30	22.52	3.08	7.55	0.00	0.00	0.00	22.52	8.54	0.00
31	30.16	3.08	7.55	0.00	0.00	0.00	30.16	8.54	0.00
32	37.79	3.08	7.55	0.00	-5.00	0.00	37.79	7.59	0.00
33	30.16	6.62	7.70	0.00	0.00	0.00	30.16	12.19	0.00
34	22.54	6.62	7.70	0.00	20.00	0.00	22.54	18.00	0.00
35	22.54	5.57	7.65	0.00	5.00	0.00	22.54	12.20	0.00
36	30.16	11.20	7.90	180.00	10.00	0.00	30.16	3.05	0.00
37	22.54	11.20	7.90	180.00	10.00	0.00	22.54	3.05	0.00
38	14.88	11.20	7.90	180.00	10.00	0.00	14.88	3.05	0.00
39	14.88	6.65	7.70	0.00	0.00	0.00	14.88	12.22	0.00
40	30.16	17.32	8.20	180.00	10.00	0.00	30.16	8.86	0.00
41	22.54	17.32	8.20	180.00	0.00	0.00	22.54	11.39	0.00
42	14.88	17.32	8.20	180.00	5.00	0.00	14.88	10.22	0.00
43	30.16	21.40	8.40	180.00	0.00	0.00	30.16	15.32	0.00
44	22.54	21.40	8.40	180.00	0.00	0.00	22.54	15.32	0.00
45	14.88	21.40	8.40	180.00	0.00	0.00	14.88	15.32	0.00
52	37.78	25.99	8.55	180.00	15.00	0.00	37.78	15.47	0.00

Objekt : Sportska dvorana Sinj
Prostor :
Broj projekta :
Datum : 20.08.2024



2 Dvorana

2.1 Opis, Dvorana

2.1.1 Podaci o svjetiljkama/Elementi prostora

53 7.16 20.42 8.35 180.00 25.00 0.00 7.16 5.40 0.00

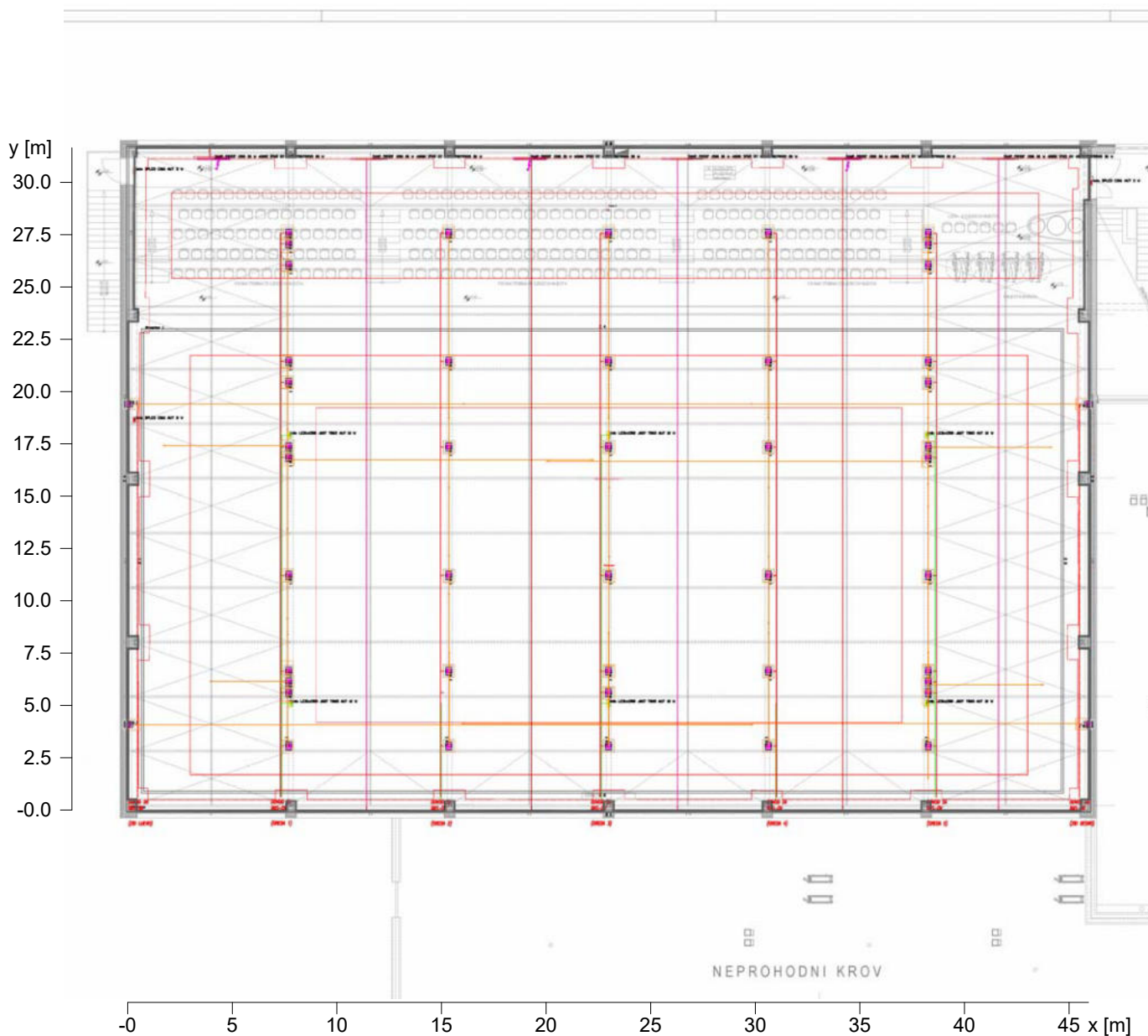
Elementi opreme

Mjerna površina

Br.	xm[m]	ym[m]	zm[m]	dužina	širina	z-os	L-os	kut rotacije Q-os	rho[%]
Referentna površina 1.1	0.50	0.50	0.75	44.93	30.65		0.00	0.00	0.05
Rukomet									
Mp 1	2.53	1.69	-0.00	40.00	20.00		0.00	0.00	0.00
Košarka									
Mp 2	8.53	4.19	0.00	28.00	15.00		0.00	0.00	0.00
Rukomet									
Mp 3	2.53	1.70	0.00	40.00	20.00		0.00	0.00	0.00
Tribine									
Mp 4	1.63	25.38	0.30	41.44	4.07		0.00	25.00	0.00

2.1 Opis, Dvorana

2.1.2 Tlocrt



2.1 Opis, Dvorana

2.1.2 Tlocrt

Zid	x	y	Dužina	Refleksije
1	19.69 m	22.34 m	7.09 m	50.0 %
2	19.69 m	22.80 m	0.46 m	50.0 %
3	20.22 m	22.80 m	0.52 m	50.0 %
4	20.22 m	22.34 m	0.46 m	50.0 %
5	27.26 m	22.33 m	7.05 m	50.0 %
6	27.26 m	22.80 m	0.47 m	50.0 %
7	27.78 m	22.80 m	0.52 m	50.0 %
8	27.78 m	22.35 m	0.45 m	50.0 %
9	34.86 m	22.33 m	7.08 m	50.0 %
10	34.87 m	22.80 m	0.47 m	50.0 %
11	35.38 m	22.80 m	0.52 m	50.0 %
12	35.38 m	22.35 m	0.45 m	50.0 %
13	42.45 m	22.34 m	7.06 m	50.0 %
14	42.44 m	22.78 m	0.44 m	50.0 %
15	42.92 m	22.78 m	0.47 m	50.0 %
16	42.92 m	22.35 m	0.43 m	50.0 %
17	50.02 m	22.35 m	7.11 m	50.0 %
18	50.03 m	22.80 m	0.45 m	50.0 %
19	50.53 m	22.79 m	0.50 m	50.0 %
20	50.53 m	22.35 m	0.44 m	50.0 %
21	57.63 m	22.34 m	7.10 m	50.0 %
22	57.64 m	22.88 m	0.54 m	50.0 %
23	58.02 m	22.88 m	0.39 m	50.0 %
24	58.03 m	30.03 m	7.15 m	50.0 %
25	57.53 m	30.03 m	0.50 m	50.0 %
26	57.54 m	30.68 m	0.65 m	50.0 %
27	58.06 m	30.68 m	0.52 m	50.0 %
28	58.03 m	37.81 m	7.13 m	50.0 %
29	57.53 m	37.81 m	0.49 m	50.0 %
30	57.54 m	38.49 m	0.68 m	50.0 %
31	58.03 m	38.49 m	0.50 m	50.0 %
32	58.03 m	45.60 m	7.11 m	50.0 %
33	57.53 m	45.60 m	0.50 m	50.0 %
34	57.53 m	46.27 m	0.67 m	50.0 %
35	57.80 m	46.27 m	0.27 m	50.0 %
36	57.79 m	51.49 m	5.22 m	50.0 %
37	58.04 m	51.49 m	0.25 m	50.0 %
38	58.04 m	53.47 m	1.97 m	50.0 %
39	57.61 m	53.47 m	0.43 m	50.0 %
40	57.63 m	53.93 m	0.47 m	50.0 %
41	50.58 m	53.92 m	7.05 m	50.0 %
42	50.58 m	53.49 m	0.43 m	50.0 %
43	50.04 m	53.49 m	0.53 m	50.0 %
44	50.04 m	53.93 m	0.43 m	50.0 %
45	42.96 m	53.92 m	7.08 m	50.0 %
46	42.96 m	53.49 m	0.43 m	50.0 %
47	42.44 m	53.49 m	0.52 m	50.0 %
48	42.44 m	53.91 m	0.42 m	50.0 %
49	35.39 m	53.92 m	7.05 m	50.0 %
50	35.39 m	53.47 m	0.45 m	50.0 %
51	34.85 m	53.47 m	0.54 m	50.0 %
52	34.85 m	53.92 m	0.45 m	50.0 %
53	27.77 m	53.93 m	7.08 m	50.0 %
54	27.77 m	53.49 m	0.45 m	50.0 %
55	27.26 m	53.48 m	0.51 m	50.0 %
56	27.27 m	53.92 m	0.44 m	50.0 %
57	20.18 m	53.91 m	7.08 m	50.0 %
58	20.19 m	53.47 m	0.45 m	50.0 %
59	19.68 m	53.47 m	0.51 m	50.0 %
60	19.68 m	53.92 m	0.45 m	50.0 %
61	12.60 m	53.92 m	7.08 m	50.0 %
62	12.60 m	53.50 m	0.42 m	50.0 %

Objekt : Sportska dvorana Sinj
Prostor :
Broj projekta :
Datum : 20.08.2024



2.1 Opis, Dvorana

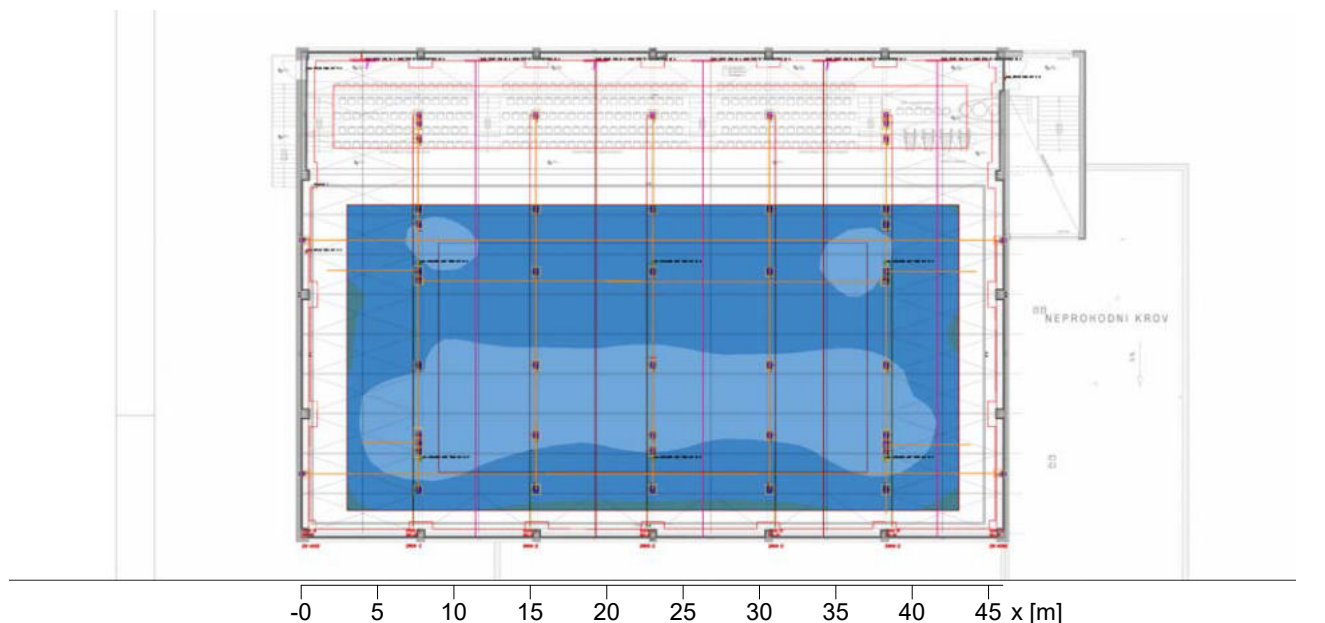
2.1.2 Tlocrt

63	12.52 m	53.50 m	0.08 m	50.0 %
64	12.48 m	46.28 m	7.22 m	50.0 %
65	12.68 m	46.28 m	0.20 m	50.0 %
66	12.68 m	45.61 m	0.67 m	50.0 %
67	12.21 m	45.61 m	0.47 m	50.0 %
68	12.22 m	38.48 m	7.13 m	50.0 %
69	12.68 m	38.48 m	0.46 m	50.0 %
70	12.69 m	37.81 m	0.67 m	50.0 %
71	12.21 m	37.81 m	0.48 m	50.0 %
72	12.21 m	30.69 m	7.12 m	50.0 %
73	12.68 m	30.69 m	0.47 m	50.0 %
74	12.68 m	30.01 m	0.68 m	50.0 %
75	12.17 m	30.01 m	0.51 m	50.0 %
76	12.16 m	22.89 m	7.12 m	50.0 %
77	12.60 m	22.89 m	0.44 m	50.0 %
78	12.60 m	22.33 m	0.56 m	50.0 %
Pod				20.0 %
Strop				70.0 %
Visina prostora		9.00 m		
Visina refer. površine		---		

2 Dvorana

2.2 Sažetak, Dvorana

2.2.1 Pregled rezultata, Rukomet



750

1000

1500

Rasvjetljenost [lx]

Općenito

Upotrijebljeni računski algoritam
 Visina mjerne površine
 Faktor održavanja

Svjetiljke s dir./indirektnom raspodjelom
 -0.00 m
 0.90

Ukupni svjetlosni tok svih žarulja
 Ukupna snaga
 Ukupna snaga po površini (1438.98 m²)

1889655 lm
 13322 W
 9.26 W/m²

Rasvjetljenosti

Srednja rasvjetljenost	\bar{E}_m	1410 lx
Minimalna rasvjetljenost	E_{min}	983 lx
Maksimalna rasvjetljenost	E_{max}	1970 lx
Jednolikost U_o	E_{min}/\bar{E}_m	1:1.43 (0.7)
Jednolikost U_d	E_{min}/E_{max}	1:2.01 (0.5)

Tip Kom. Proizvod

		Sylvania	
1	3 x	Tipska oznaka	: 0010268
		Naziv svjetiljke	: Resisto 1500 HE IP66 4000lm 840
		Žarulje	: 1 x 0010268 Resisto 1500 HE IP66 4000lm 840 25 W / 4000 lm
<hr/>			
2	3 x	Tipska oznaka	: 0010271EM
		Naziv svjetiljke	: Resisto 1500 HE IP66 4000lm 840 EM
		Žarulje	: 1 x 0010271EM Resisto 1500 HE IP66 4000lm 840 EM 29 W / 785 lm


Objekt : Sportska dvorana Sinj
Prostor :
Broj projekta :
Datum : 20.08.2024

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2 Dvorana

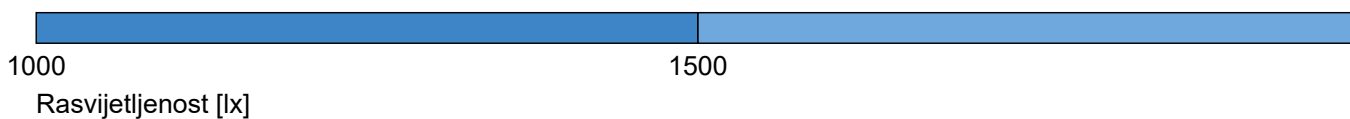
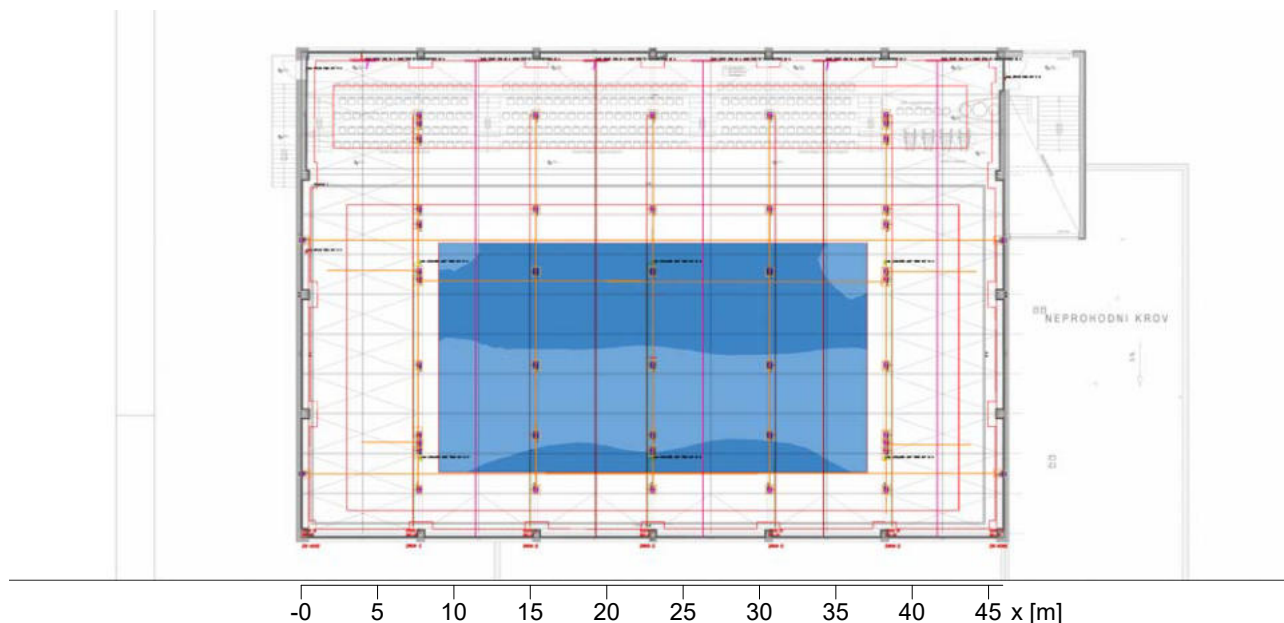
2.2 Sažetak, Dvorana

2.2.1 Pregled rezultata, Rukomet

3 47 x **PHILIPS/2024-08-19 Eulumdat/1 B-Tilt = 0.00**
 Tipska oznaka : BVP140I-be80fb26-adeb-401d-b683-c6e314549682
Naziv svjetiljke : BVP140 T25 LED399-4S/840 PSD DX60
Žarulje : 1 x LED399-4S/840 280 W / 39900 lm

2.2 Sažetak, Dvorana

2.2.2 Pregled rezultata, Košarka



Općenito

Upotrijebljeni računski algoritam	Svjetiljke s dir.-/indirektnom raspodjelom
Visina mjerne površine	0.00 m
Faktor održavanja	0.90

Ukupni svjetlosni tok svih žarulja	1889655 lm
Ukupna snaga	13322 W
Ukupna snaga po površini (1438.98 m ²)	9.26 W/m ²

Rasvjetljenosti

Srednja rasvjetljenost	\bar{E}_m	1490 lx
Minimalna rasvjetljenost	E_{min}	1250 lx
Maksimalna rasvjetljenost	E_{max}	1920 lx
Jednolikost U_0	E_{min}/\bar{E}_m	1:1.19 (0.84)
Jednolikost U_d	E_{min}/E_{max}	1:1.53 (0.65)

Tip Kom. Proizvod


		Sylvania	
1	3 x	Tipska oznaka	: 0010268
		Naziv svjetiljke	: Resisto 1500 HE IP66 4000lm 840
		Žarulje	: 1 x 0010268 Resisto 1500 HE IP66 4000lm 840 25 W / 4000 lm
2	3 x	Tipska oznaka	: 0010271EM
		Naziv svjetiljke	: Resisto 1500 HE IP66 4000lm 840 EM
		Žarulje	: 1 x 0010271EM Resisto 1500 HE IP66 4000lm 840 EM 29 W / 785 lm

Objekt : Sportska dvorana Sinj
Prostor :
Broj projekta :
Datum : 20.08.2024

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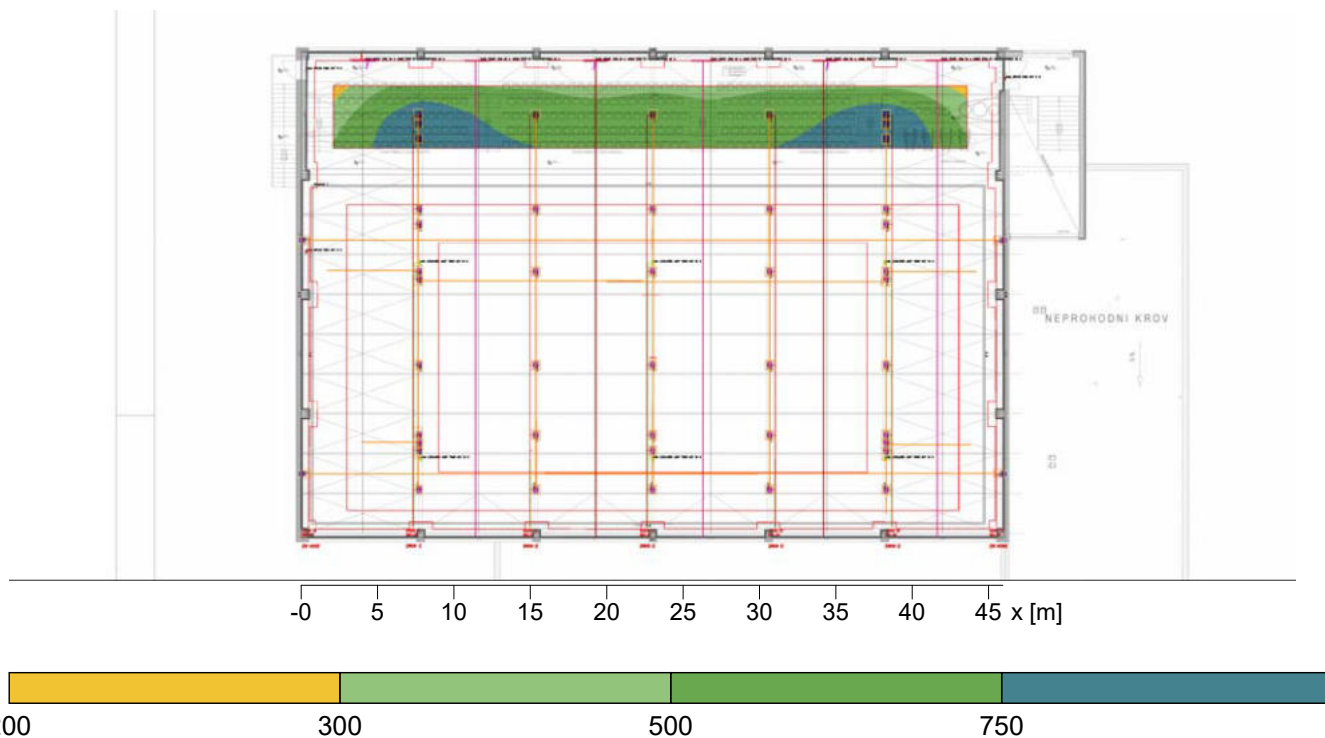
2.2 Sažetak, Dvorana

2.2.2 Pregled rezultata, Košarka

3 47 x **PHILIPS/2024-08-19 Eulumdat/1 B-Tilt = 0.00**
 Tipska oznaka : BVP140I-be80fb26-adeb-401d-b683-c6e314549682
Naziv svjetiljke : BVP140 T25 LED399-4S/840 PSD DX60
Žarulje : 1 x LED399-4S/840 280 W / 39900 lm

2.2 Sažetak, Dvorana

2.2.3 Pregled rezultata, Tribine



Rasvjetljenost [lx]

Općenito

Upotrijebljeni računski algoritam
 Faktor održavanja

Svjetiljke s dir.-/indirektnom raspodjelom
 0.90

Ukupni svjetlosni tok svih žarulja

1889655 lm

Ukupna snaga

13322 W

Ukupna snaga po površini (1438.98 m²)

9.26 W/m²

Rasvjetljenosti

Srednja rasvjetljenost

\bar{E}_m 653 lx

Minimalna rasvjetljenost

E_{min} 260 lx

Maksimalna rasvjetljenost

E_{max} 942 lx

Jednolikost U_o

E_{min}/\bar{E}_m 1:2.51 (0.4)

Jednolikost U_d

E_{min}/E_{max} 1:3.62 (0.28)

Tip Kom. Proizvod


Tip	Kom.	Proizvod
1	3 x	Sylvania
		Tipaska oznaka : 0010268
		Naziv svjetiljke : Resisto 1500 HE IP66 4000lm 840
		Žarulje : 1 x 0010268 Resisto 1500 HE IP66 4000lm 840 25 W / 4000 lm
2	3 x	Tipaska oznaka : 0010271EM
		Naziv svjetiljke : Resisto 1500 HE IP66 4000lm 840 EM
		Žarulje : 1 x 0010271EM Resisto 1500 HE IP66 4000lm 840 EM 29 W / 785 lm

Objekt : Sportska dvorana Sinj
Prostor :
Broj projekta :
Datum : 20.08.2024

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2.2 Sažetak, Dvorana

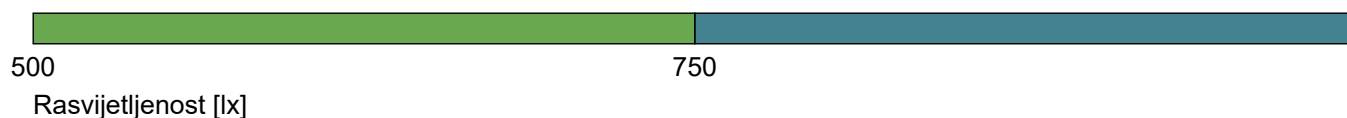
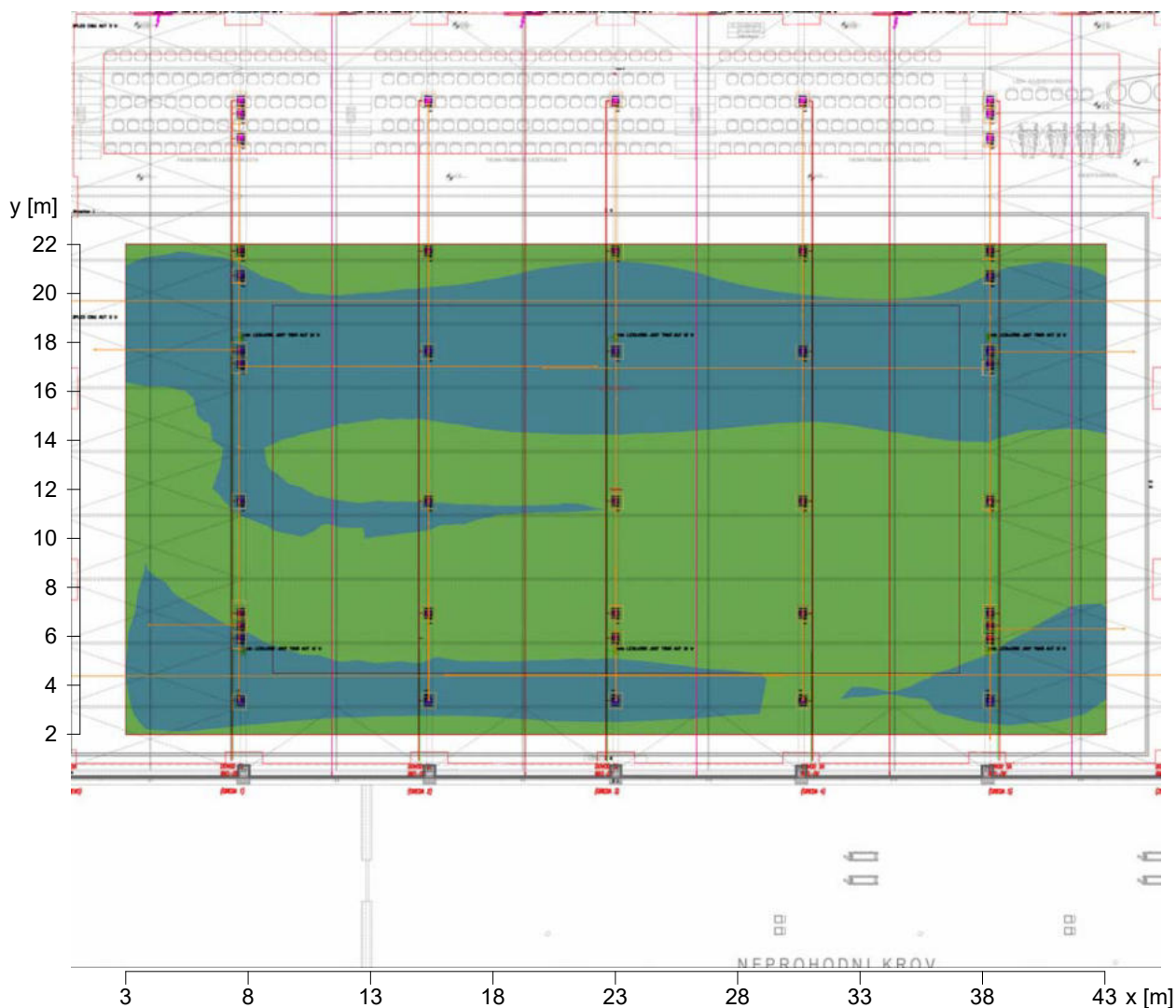
2.2.3 Pregled rezultata, Tribine

3 47 x **PHILIPS/2024-08-19 Eulumdat/1 B-Tilt = 0.00**
 Tipska oznaka : BVP140I-be80fb26-adeb-401d-b683-c6e314549682
Naziv svjetiljke : BVP140 T25 LED399-4S/840 PSD DX60
Žarulje : 1 x LED399-4S/840 280 W / 39900 lm

2 Dvorana

2.3 Rezultati izračuna, Dvorana

2.3.1 Pseudo boje, Rukomet (Ecam)



Rasvijetljenost kamere

Visina referentne površine

Pozicija kamere

Srednja rasvijetljenost

Minimalna rasvijetljenost

Maksimalna rasvijetljenost

Jednolikost U_0

Jednolikost U_d

: 0.00 m

: x = 22.49 m, y = 28.65 m, z

\bar{E}_m : 752 lx

E_{min} : 605 lx

E_{max} : 951 lx

E_{min}/\bar{E}_m : 1 : 1.24 (0.80)

E_{min}/E_{max} : 1 : 1.57 (0.64)