

KATALOG VGRAJENE OPREME IN MATERIALOV

Investitor: MESTNA OBČINA LJUBLJANA
Mestni trg 1, 1000 LJUBLJANA

Objekt: Južni trakt osnovna šola Vrhovci

Gradnja: Delna odstranitev objekta, rekonstrukcija južnega trakta osnovne šole Vrhovci s prizidavo vhodne avle in učilnic

Projektant ARREA arhitektura d.o.o.,
Kolarjeva 58, 1000 Ljubljana

Faza: PZI

KAZALO

1. NABOR SANITARNE OPREME
2. NABOR TALNIH OBLOG - KAVČUK
3. NABOR TALNE KERAMIKE - SANITARIJE
4. NABOR SVETILK IN OPREME POŽARNE VARNOSTI

Št. projekta 07 / 2019

Datum A P R I L 2020

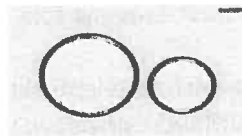
1 NABOR SANITARNE OPREME

- 1.02 **Kompletna straniščna školjka, ki jo sestavljajo naslednji sklopi:**
- straniščna školjka iz bele sanitarne keramike, viseča konzolna izvedba, zadnji iztok DN100
 - sedežna deska v beli barvi iz UV odporne plastične mase s pokrovom
- Tip kompleta uskladiti z arhitektom pred nabavo. Dobava in montaža.



Laufen PRO NEW wc školjka, viseča

- 1.03 **Aktivirna tipka za dvokoličinsko tehniko izpiranja stranišča s funkcijo ročnega ustavljanja izpiranja. Model tipke uskladiti z arhitektom pred nabavo. Model tipke mora biti združljiv s tipom splakovalnika. Dobava in montaža.**
- kot npr. Geberit ali enakovredno
- Aktivirna tipka Geberit Sigma20, za dvokoličinsko splakovanje**



- 1.04 **Kompleten pisoar, ki ga sestavljajo naslednji sklopi:**
- pisoar iz bele sanitarne keramike z avtomatskim izplakovanjem
 - izplakovalna elektronika z IR krmiljenjem, magnetnim ventilom, napajalnikom in vgradnim materialom
 - odtočna garnitura s sifonom
 - tesnilni in pritrdilni material
- Tip kompleta uskladiti z arhitektom pred nabavo. Dobava in montaža.
- PISOAR NOVA PRO PICO DOTOK ZG. K26011000 KOLO**



1.05

Kompleten umivalnik, ki ga sestavljajo naslednji sklopi:

- konzolni umivalnik iz bele sanitarne keramike, velikost po izbiri arhitekta
- kromirani medeninasti odtočni ventil DN32
- kromirana medeninasta enoročna stoječa mešalna armatura DN15 za toplo in hladno vodo, za montažo na umivalnik
- kromirana medeninasta kotna regulirna ventila DN15

Tip kompleta uskladiti z arhitektom pred nabavo. Dobava in montaža.

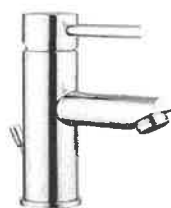
KOPALNIŠKA ARMATURA

PAFFONI STICK

za umivalnik SK075CR

POZZI - GINORI

UMIVALNIK CLOSER 60 CM



NABOR TALNIH OBLOG - KAVČUK

kavčukova talna obloga deb 3mm v ploščah, Grain / HG111 (kot naprimer)
kot npr Artigo Grain s PVC zaključno letvijo
artikel BOLTA



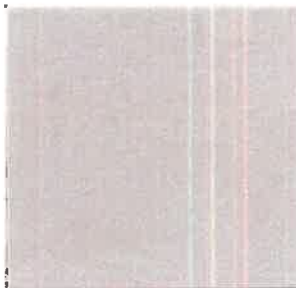
Grain / HG102 (kot naprimer)



Grain / HG101 (kot naprimer)



Plošče 1. kvalitete, velikosti 20x20, razred R10, obdelava površine mat, tip. CASALGRANDE PADANA seria CALEDOSCOPIO barva BETULLA GRIP. Keramika položena na predhodno pripravljeno podlago v lepilo KERAFLEX. Fuge širine do 2mm iz polimerno modificirane hitro vezoče fugirne mase Ultracolor plus v barvi po izboru arhitekta. Izvajalec priskrbi vzorce ploščic in fugirnih mas v potrditev

barva OCRA (kot naprimer)**barva Granita (kot naprimer)****barva Panna (kot naprimer)**

Demi RV

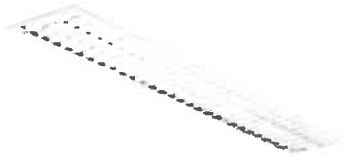
HMP 3600 lm 31 W 840 DALI 197x1197mm IP20 white

ARTICLE NO: 11102133121

Project name:

Reference:

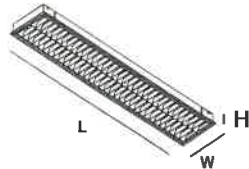
Quantity:



White



Dimension

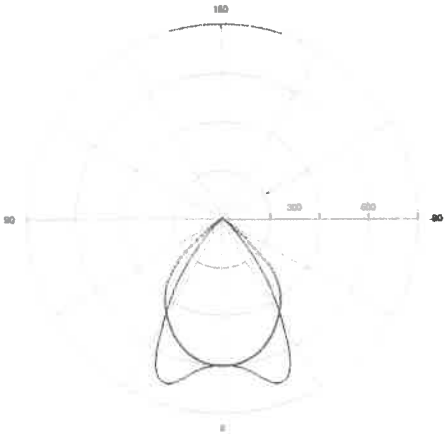


Dimension (mm): L: 1197 W: 197 H: 85
Cut Out (mm): Lco: 1180 Wco: 180 Hco: 100

Product description

Installation Recessed ceiling (RV) **Optic** Satin silver-coated aluminium double parabolic louvre **Material** Steel-sheet, powder coated
Nominal Luminaire Luminous flux 3600 lm **Luminaire luminous flux** 3585 lm
Light source luminous flux 4992 lm **Power** 31,00 W
Correlated colour temperature - CCT 4000 K **Colour Rendering Index - CRI** 80
Chromaticity tolerance (initial MacAdam) 3 **Lumen maintenance factor** 50000h
L80 B10 at 35°C Driver DALI dimmable **LED driver** Sensor No Sensor **Power supply** 230V 50Hz **IP Protection** IP20 **IK Protection** IK05 **Energy class** A++ **Colour** White

Photometry



Light output ratio	
LOR	100
ULOR	0
DLOR	100
Luminaire luminous flux	3584
Luminaire efficacy (LEF)	116
UGR values	
X=4H, Y=8H	S = 0,25H
Radiant class	70/50/20
Transverse	12.2
Longitudinal	15.4
Classification	
BZ	BZ 1
UTE	1.00 B
DIN	A60
CIE	81 99 100 100 100

Miva C 150 AS

Svetilka S2

S 2000 lm 27 W 840 FO L1287mm white

ARTICLE NO: 12535422001

Project name:

Reference:

Quantity:

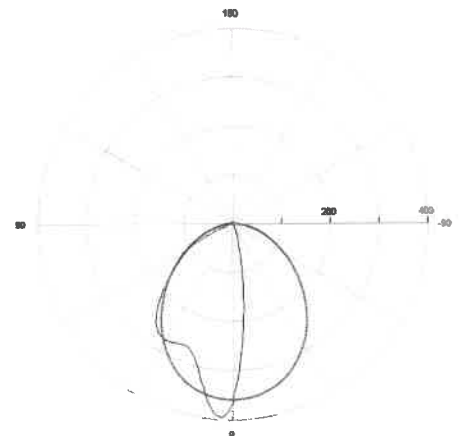


White

Dimension



Photometry



Product description

Installation Ceiling mounted (C) **Optic** Satin aluminium asymmetrical optic
Nominal Luminaire Luminous flux 2000 lm **Light source luminous flux** 4020 lm
Power 27,30 W **Correlated colour temperature - CCT** 4000 K
Colour Rendering Index - CRI 80 **Chromaticity tolerance (initial MacAdam)** 3
Lumen maintenance factor 50000h L80 B10 at 35°C **Driver** LED driver with fixed output **Sensor** No Sensor **Power supply** 230V 50Hz **IP Protection** IP20
IK Protection IK07 **EAN number** 3831121040616 **Energy class** A++

Light output ratio

LOR	49,3
ULOR	0
DLOR	49,3
Luminaire luminous flux	1373
Luminaire efficacy (LEF)	75

UGR values

X=4H, Y=8H	S = 0,25H
Radiant class	70/50/20
Transverse	< 0
Longitudinal	23.4

Classification

BZ	BZ 3
UTE	0.49 D
DIN	A40
CIE	58 88 99 100 49

Nitor RV Flat

Svetilka S3

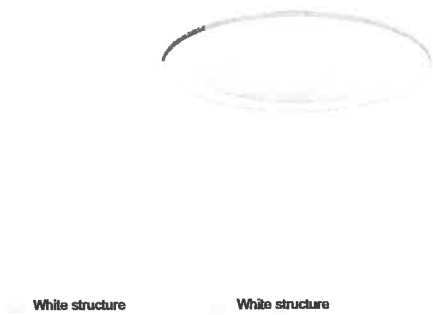
SOP 930-2050 lm 9-25 W 350-900 mA 28 V 830 IP44 white/white

ARTICLE NO: 148110212011

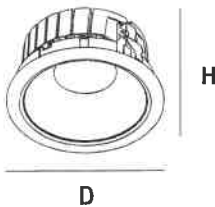
Project name:

Reference:

Quantity:

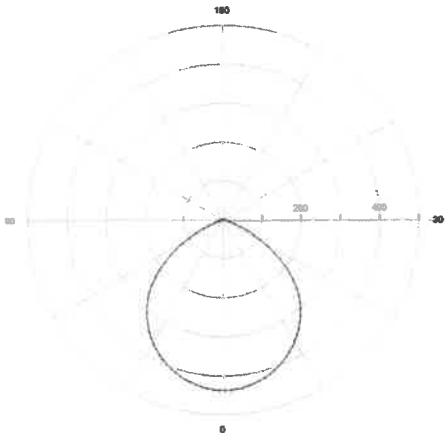


Dimension



Dimension (mm): D: 240 H: 90
Cut Out (mm): Dco: 220 Hco: 110

Photometry



Light output ratio	
LOR	100
ULOR	0
DLOR	100
UGR values	
X=4H, Y=8H	S = 0,25H
Radiant class	70/50/20
Transverse	23.3
Longitudinal	23.3
Classification	
BZ	BZ 3
UTE	1.00 C
DIN	A40
CIE	58 92 99 100 100

Product description

Optic Satin opal PMMA diffuser **Material** Polycarbonate body with die-cast aluminium heat sink **Nominal Luminaire Luminous flux** 1950 lm **Luminaire luminous flux** 1968 lm **Light source luminous flux** 2987 lm **Power** 24,80 W **Luminaire efficacy** 80 lm/W **Correlated colour temperature - CCT** 3000 K

Colour Rendering Index - CRI 80 **Chromaticity tolerance (initial MacAdam)** 3

Lumen maintenance factor 50000h L80 B10 at 35°C **Driver** Driver not included, order separately **Switching options** Single **Power supply** 900mA DC

Forward Voltage (VF) 27 V **IP Protection** IP20 , IP44 from the exposed side.

IK Protection IK06 **EAN number** 3831123207840 **Energy class** A++ **Colour trim** White structure **Colour funnel** White structure **Colour finish** BA001_2 , BA001_2

Power (W)	Power Supply (mA)	Luminaire Efficacy (lm/W)	Nominal luminaire luminous flux
8	350	104	930
13	500	96	1250
18	700	86	1600
24	900	83	2050

Product accessories



Driver U20 20W 250-700mA 2-54V FO
702120100

Kalis C 55

Svetilka S4

SOP 2900 lm 28 W 830 L2525 mm FO IP43 silver aluminium

ARTICLE NO: 17351421086

Project name:

Reference:

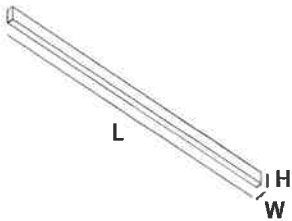
Quantity:



Silver Aluminium

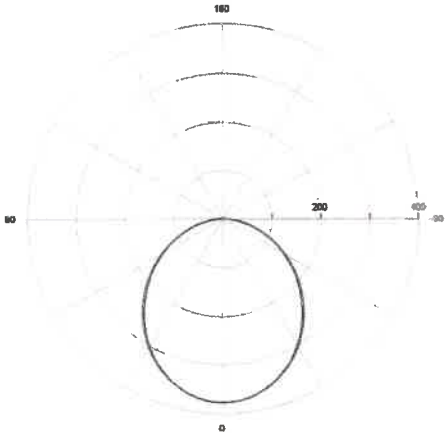


Dimension



Dimension (mm): L: 2525 W: 36 H: 55

Photometry



Product description

Optic Satin opal polycarbonate diffuser Material Extruded aluminium profile, powder coated; screw-less polycarbonate end caps Nominal Luminaire Luminous flux 2900 lm Luminaire luminous flux/meter 1160 lm/m Luminaire luminous flux 2907 lm Light source luminous flux 4563 lm Power consumption/meter 12 W/m Power 28,10 W Correlated colour temperature - CCT 3000 K Colour Rendering Index - CRI 80 Chromaticity tolerance (initial MacAdam) 3 Lumen maintenance factor 50000h L90 B10 at 35°C Driver LED driver with fixed output Power supply 230V 50Hz IP Protection IP43 IK Protection IK08 Energy class A++ Colour Silver Aluminium

Light output ratio	
LOR	100
ULOR	0
DLOR	100
Luminaire luminous flux	2907
Luminaire efficacy (LEF)	103
UGR values	
X=4H, Y=8H	S = 0,25H
Radiant class	70/50/20
Transverse	24.6
Longitudinal	24.6
Classification	
BZ	BZ 4
UTE	1.00 E
DIN	A30
CIE	49 80 96 100 100

Kalis S 36

Svetilka S5

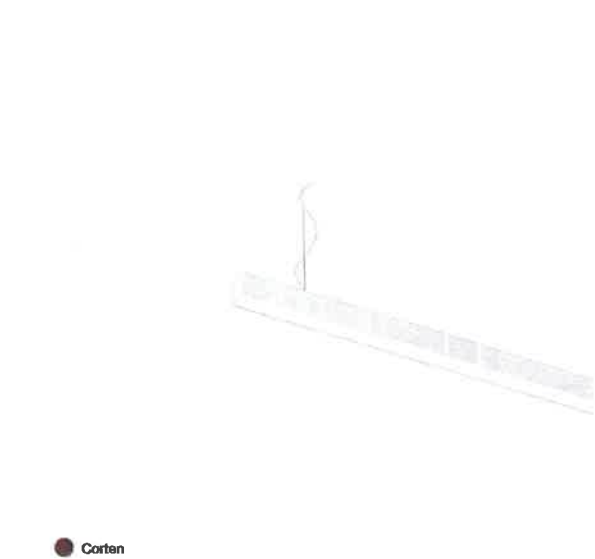
DR MPR 5500 lm 58 W 840 L1975mm DALI IP20 corten

ARTICLE NO: 13231183068

Project name:

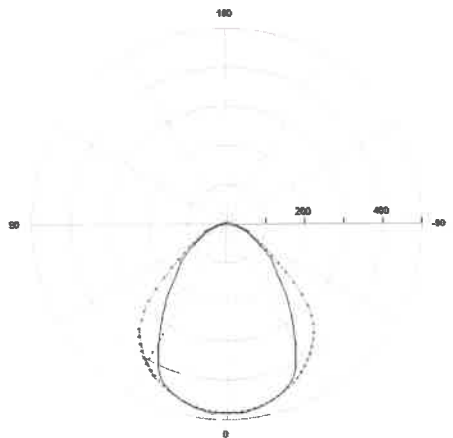
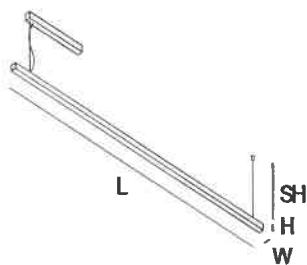
Reference:

Quantity:



Dimension

Photometry



Dimension L: 1975 W: 36 H: 36 SH: 1500
(mm):

Product description

Installation Suspended (S) **Optic** Micro prismatic polycarbonate diffuser **Material** Extruded aluminium profile, powder coated; screw-less polycarbonate end caps
Nominal Luminaire Luminous flux 5500 lm **Luminaire luminous flux/meter** 2820 lm/m **Luminaire luminous flux** 5548 lm **Light source luminous flux** 7630 lm
Power consumption/meter 30 W/m **Power** 58,00 W
Correlated colour temperature - CCT 4000 K **Colour Rendering Index - CRI** 80
Chromaticity tolerance (initial MacAdam) 3 **Lumen maintenance factor** 50000h L80 B10 at 35°C **Driver** DALI dimmable LED driver **Power supply** 230V 50Hz
IP Protection IP20 **IK Protection** IK08 **Energy class** A++ **Colour** Corten

Light output ratio	
LOR	100
ULOR	0
DLOR	100
Luminaire luminous flux	5548
Luminaire efficacy (LEF)	96
UGR values	
X=4H, Y=8H	S = 0,25H
Radiant class	70/50/20
Transverse	24.4
Longitudinal	24.7
Classification	
BZ	BZ 3
UTE	1.00 C
DIN	A50
CIE	61 89 98 100 100

5700

Svetilka S6

3200 lm 27 W 840 FO L1277mm IP66

ARTICLE NO: 15711412000

Project name:

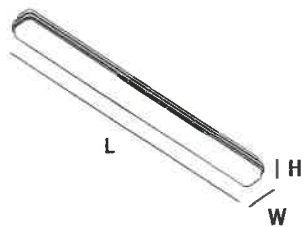
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Quantity:

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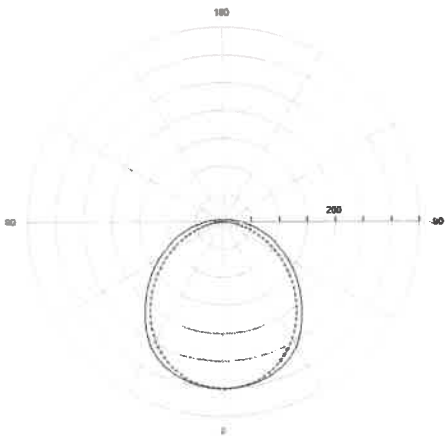


Dimension



Dimension (mm): L: 1277 W: 101 H: 84

Photometry



Product description

Optic Opal polycarbonate diffuser **Material** Polycarbonate
Nominal Luminaire Luminous flux 3200 lm **Luminaire luminous flux** 3244 lm
Light source luminous flux 3632 lm **Power** 27,40 W
Correlated colour temperature - CCT 4000 K **Colour Rendering Index - CRI** 80
Chromaticity tolerance (initial MacAdam) 3 **Lumen maintenance factor** 50000h
L80 B10 at 35°C Power supply 230V 50Hz **IP Protection** IP66 **IK Protection** IK09
EAN number 3831116743591 **Energy class** A++

Light output ratio	
LOR	89,3
ULOR	3
DLOR	86,3
Luminaire luminous flux	3244
Luminaire efficacy (LEF)	120
UGR values	
X=4H, Y=8H	S = 0,25H
Radiant class	70/50/20
Transverse	22.1
Longitudinal	21.4
Classification	
BZ	BZ 5
UTE	0.86 E + 0.03 T
DIN	A31
CIE	47 77 93 97 89

Kalis S 36

Svetilka S7

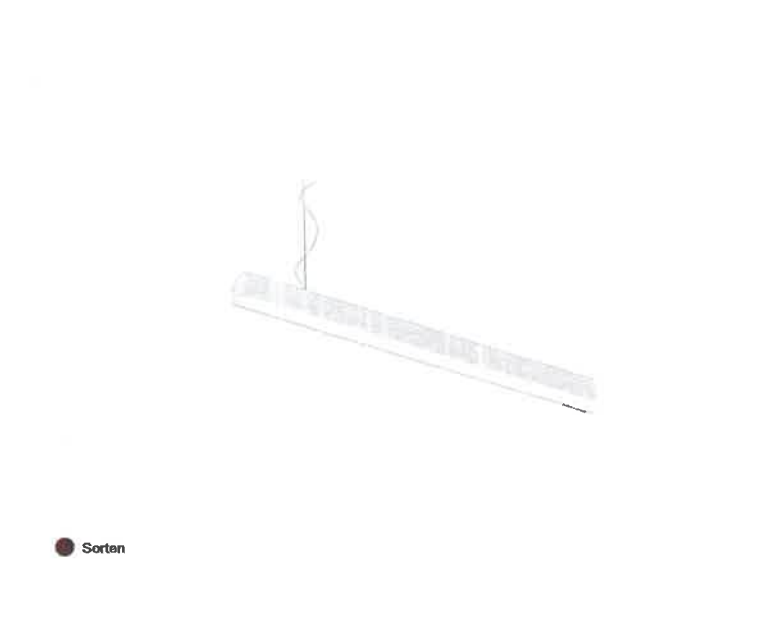
DR SOP 2700 lm 37 W 830 L1975mm FO IP20 corten

ARTICLE NO: V8V8W#53C6Y

Project name:

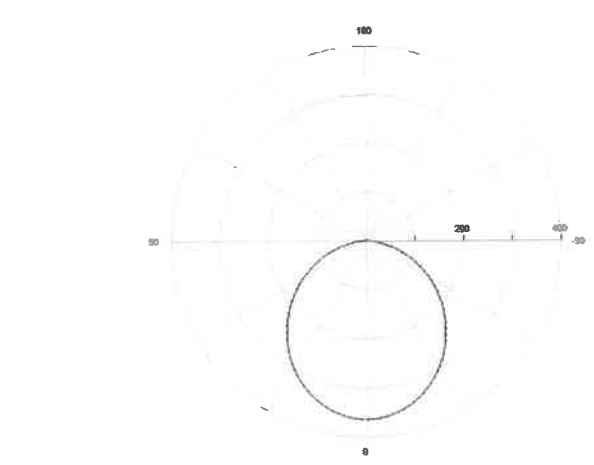
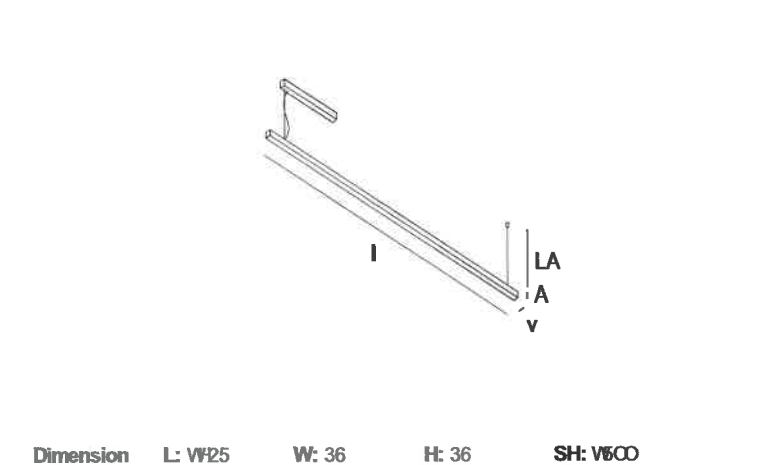
Reference:

Quantity:



Dimension

Photometry



Dimension	L: 1975	W: 36	H: 36	SH: 1600
(mm):				
Product description				
Installation	Luspen8e8 7LFOptic Latin opaDpolycarbonate 8iffuser Material			
	(xtru8e8 alDminium profil84pow8er coate8; screw-l8ss polycarbonate en8 caps			
Nominal Luminaire Luminous flux	9200lm			
Luminaire luminous flux/meter	V8YO			
lm/m Luminaire luminous flux	9208 lm			
Light source luminous flux	=295 lm			
Power consumption/meter	W8v dn Power 36400v			
Correlated colour temperature - CCT	3000K			
Colour Rendering Index - CRI	YO			
Chromaticity tolerance (initial MacAdam)	3			
Lumen maintenance factor	5000h			
I YOBVDat 35°S Driver I (U 8nT8er with fixe8 output	Power supply 930V 50A2			
IP Protection	IP90IK Protection IK0Y			
Energy class	C++			
Colour	Sorten			
Light output ratio				
I 1 R	V00			
OI 1 R	0			
UI 1 R	V00			
Luminaire Luminous flux	9208			
Luminaire efficacy 7l (EF	25			
UGR values				
) X=A4, XYA	L X 085A			
Radiant class	206080			
/ ransTerse	95.=			
Longitudinal	95.=			
Classification				
BZ	BZ =			
O / (W00(
UIN	C30			
SI(=Y 2H6 V00V00			

Miva C 150 HMP

Svetilka S8

P 3400 lm 32 W 840 DALI L1287mm white

ARTICLE NO: 12532124001

Project name:

Reference:

Quantity:

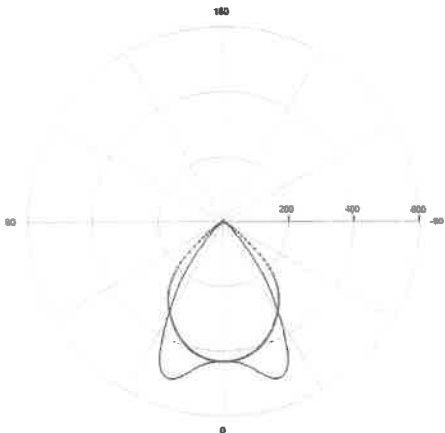


White



Dimension

Photometry



Product description

Installation Ceiling mounted (C) **Optic** Satin silver-coated aluminium double parabolic louvre **Nominal Luminaire Luminous flux** 3400 lm **Light source luminous flux** 4660 lm **Power** 32,20 W **Correlated colour temperature - CCT** 4000 K **Colour Rendering Index - CRI** 80 **Chromaticity tolerance (initial MacAdam)** 3 **Lumen maintenance factor** 50000h L80 B10 at 35°C **Driver** DALI dimmable LED driver **Sensor** No Sensor **Power supply** 230V 50Hz **IP Protection** IP20 **IK Protection** IK05 **Energy class** A++

Light output ratio

LOR	71,8
ULOR	0
DLOR	71,8
Luminaire luminous flux	3346
Luminaire efficacy (LEF)	104

UGR values

X=4H, Y=8H	S = 0,25H
Radiant class	70/50/20
Transverse	14.5
Longitudinal	17.6

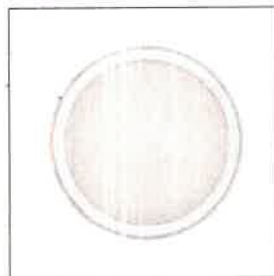
Classification

BZ	BZ 1
UTE	0.72 B
DIN	A60
CIE	81 99 100 100 72

Svetilka S9

Anna310

Light Source: Mid-Power LED / 14,1W / Total power 18W / CRI>80 / 220÷240V / Integral electronic power supply



533051

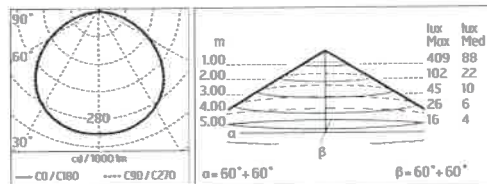
533051-300 Dimmable Dali
533051-310 Dimmable 1-10
White 2700K
lm LED 1874 ≠ lm OUTPUT 1150

533012

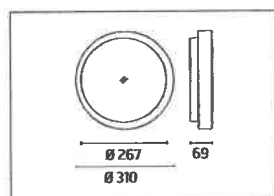
533012-300 Dimmable Dali
533012-310 Dimmable 1-10
White 3000K
lm LED 2015 ≠ lm OUTPUT 1237

533011

533011-300 Dimmable Dali
533011-310 Dimmable 1-10
White 4000K
lm LED 2168 ≠ lm OUTPUT 1330



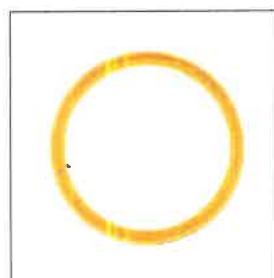
@ 4000K



IP66

Anna310 - Bicolour Structure White-Yellow

Light Source: Mid-Power LED / 14,1W / Total power 18W / CRI>80 / 220÷240V / Integral electronic power supply



533057

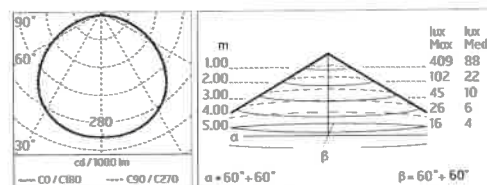
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533057-310 Dimmable 1-10
White 2700K
lm LED 1874 ≠ lm OUTPUT 1150

533017

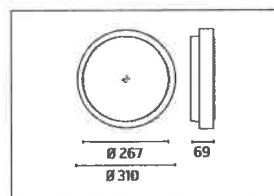
533017-300 Dimmable Dali
533017-310 Dimmable 1-10
White 3000K
lm LED 2015 ≠ lm OUTPUT 1237

533013

533013-300 Dimmable Dali
533013-310 Dimmable 1-10
White 4000K
lm LED 2168 ≠ lm OUTPUT 1330



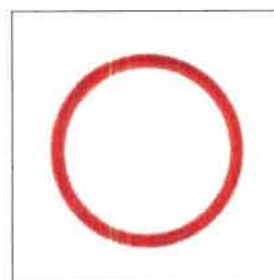
@ 4000K



IP66

Anna310 - Bicolour Structure White-Orange

Light Source: Mid-Power LED / 14,3W / Total power 15,5W / CRI>80 / 220÷240V / Integral electronic power supply



533058

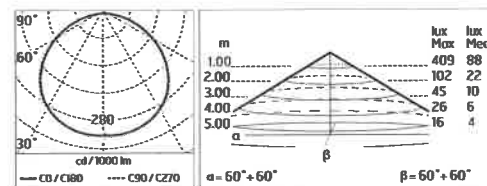
533058-300 Dimmable Dali
533058-310 Dimmable 1-10
White 2700K
lm LED 1874 ≠ lm OUTPUT 1150

533018

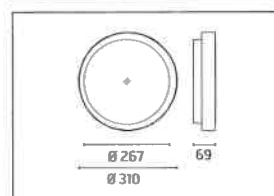
533018-300 Dimmable Dali
533018-310 Dimmable 1-10
White 3000K
lm LED 2015 ≠ lm OUTPUT 1237

533014

533014-300 Dimmable Dali
533014-310 Dimmable 1-10
White 4000K
lm LED 2168 ≠ lm OUTPUT 1330



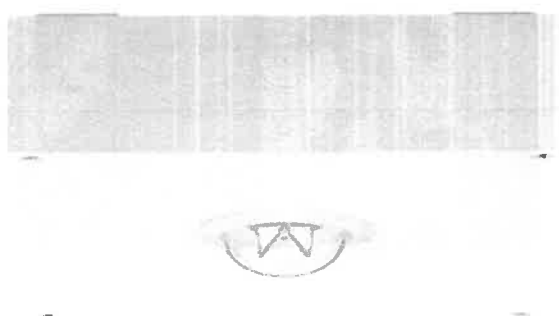
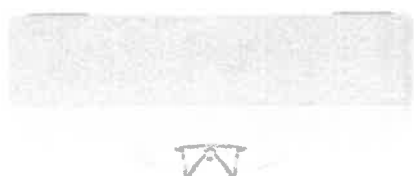
@ 4000K



IP66

Surface-mounted luminaires

Simple mounting and perfect protection



RESCLITE PRO IP40

Surface-mounted versions of RESCLITE PRO can be mounted on the ceiling just as easily as on the wall. Once the base plate is screwed on, the die-cast aluminium lid is simply clicked on - without the need for any tools. The wiring can be inserted from the back or from the side of the fitting. The lens escape wall even makes it possible to achieve the perfect illumination of staircases with an attractive appearance.

Outside dimensions 146 x 146 x 35 mm

Outside dimensions of the HP variants E1D, E3D

146 x 146 x 48 mm



IP40



Ball-proof
about myResclite

RESCLITE PRO IP65

This IP65-protected safety luminaire is optimally protected against dust and water. A special valve also prevents the formation of condensation. This makes RESCLITE PRO suitable for the most demanding surroundings, like those found in industry. In addition, flexible wiring from the back or side of the solution supports easy installation.

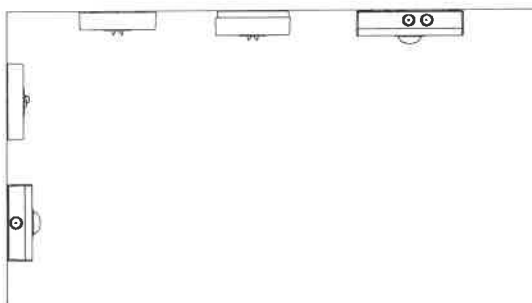
Outside dimensions 200 x 145 x 64 mm



IP65



Ball-proof
as standard



CROSSIGN

A multitalent for every application



Design | EOOS

Equipped with the latest LED technology, the CROSSIGN all-rounder is fully prepared for a highly efficient future. The specially developed PMMA lens distributes the light uniformly across the entire pictogram, while numerous installation options, two recognition ranges and extremely easy installation demonstrate the application-orientated versatility of this cost-effective LED solution. Two optional rotating ERI lenses on the underside of the fitting turn the emergency sign luminaire into an emergency luminaire as well.

Pictogram dimensions:

CROSSIGN 110: 232 x 175.6 x 46 mm*

CROSSIGN 160: 332 x 209.6 x 44 mm

CROSSIGN 110 and CROSSIGN 160



IP42



IP42/IP54



Recognition range*
22 m | EN1838



Recognition range
32 m | EN1838

