

Lighting Your Way

2023/24



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High-reliability materials

MIZAR has developed its lighting fixtures with a particular focus on the materials quality.

This ensures a very high mechanical and chemical reistance to each luminaire, preserving its functionality.

The reliability of the materials, combined with the original solutions applied to each model, represents the competitive advantage with which MIZAR intends to overcome the the lighting designers challenges.

Highest standards for corrosion resistance

The choice of high-quality materials, coupled with the use of professional painting methods, allow MIZAR to meet the highest levels of ISO 9227 and ISO 12944 standards.

As a result, all MIZAR products made of die-cast aluminum and polyester powder coated are suitable for installations in C5 corrosion areas.

Even more impressively, products made of stainless steel and solid brass meet the specification for the most extreme areas classified as CX.

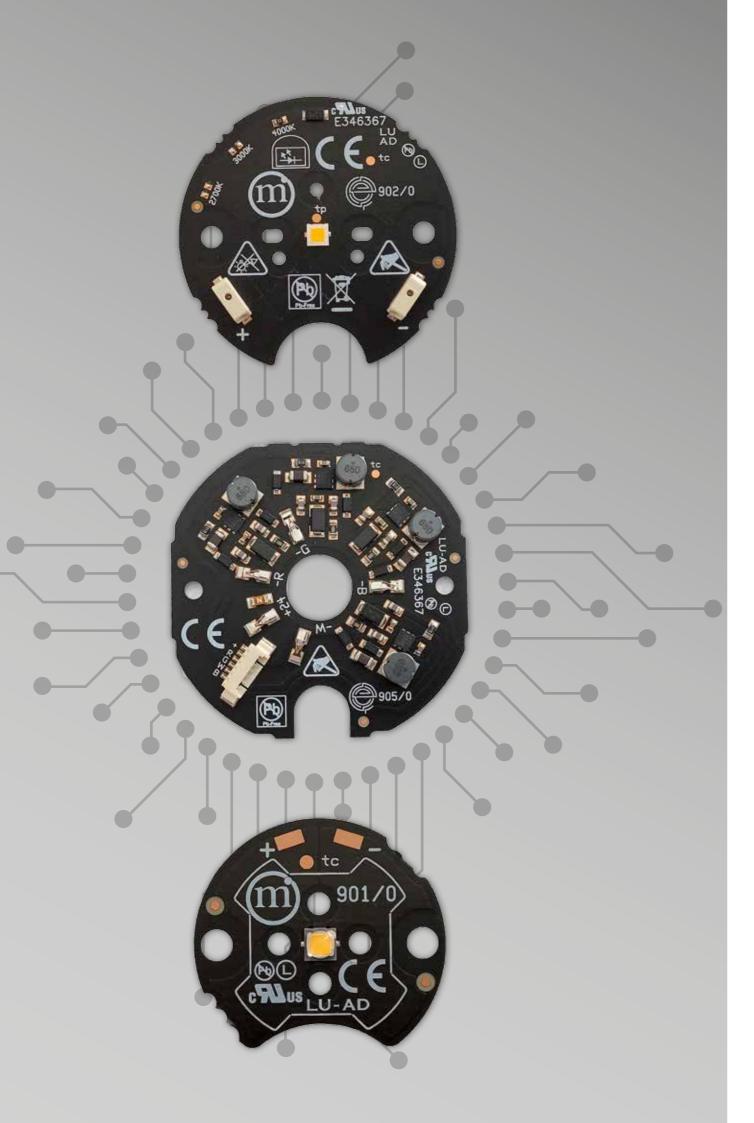




Original internal electronics

To properly manage the single Power LEDs and micro-drivers used in most fixtures, specific original MIZAR printed circuit boards have been created.

Each PCB is configured to ensure control and efficiency of electronic components in extreme environmental conditions such as temperature fluctuations and water pressure.







IdroSkud® Technology

The **IdroSkud**[®] system is an exclusive MIZAR solution developed to avoid the risks of incorrect wiring and to protect the electronic components inside the fixture from:

- Polarity reversal
- Voltage spikes
- Water infiltration

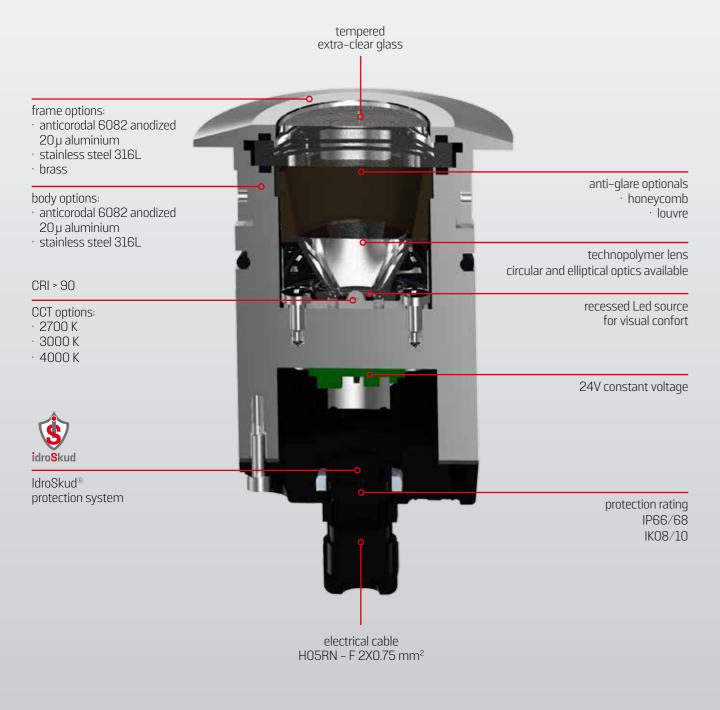
An additional guarantee of product functionality even in extreme environmental conditions.





OCEANO

CONSTRUCTION FEATURES



m

OCEANO

WALK-OVER





DRIVE-OVER





WALK-OVER GRAZING EMISSION



ITALIAN DESIGN

aluminium













OCEANO 1.0

OCEANO 1.0



brass

power	1W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68
IK rating	IK 09
operating temperature	-20°C / +50°C
size	Ø 29 x 44 mm
light source flux	172 lm (3000K)
effective flux	up to 53 lm (3000K)
beam angles	circular 15° – 25° – 40°; elliptical 20° x 43°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

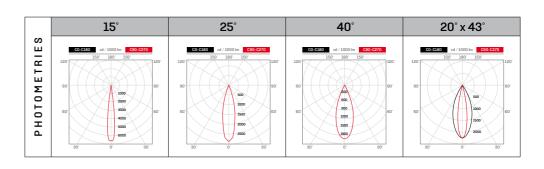
Inground walk-over luminaire, suitable for outdoor use (IP66/IP68), with operating temperature range: -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper round frame in aluminium, steel or brass. The light source consists of a single chip **1W** power LED supplied at 24V constant voltage. The luminous flux up to 53 lm (3000K) makes it ideal for marking out **walkways** or for obtaining a starry effect on the ceiling, thanks to different beam angles: circular 15°, 25° and 40° and an elliptical 20°x 43°. The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 1.0 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes, polarity reversal and water infiltration. Installation accessories are provided (draining and waterproof outer case and plasterboard spring). The power cable length is 0.4m; on request: 1.5m, 5m, 10m, 15m.

body materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel
frame materials	– anticorodal 6082 anodized 20 µ aluminium – 316L stainless steel – brass
screen	tempered extra-clear glass - 4 mm
installation	with outer case / plasterboard spring
power cable	FR5F0EM7 -AD8 2X0.5 mm ²
electrical connection	parallel
weight	45 g (aluminium) 97 g (steel)
protection system	ldroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY

20



	draining outer case	slim draining outer case	waterproof outer case	plasterboard spring
	CEAZZZ000	CEAZZZ001	CEAZZZ002	CEAZZZ014
ACCESSORIES	4			
	Ø 24,3 x Ø 74,2 x 75	Ø 25 x 66	Ø 25 x 87	
	fo	power or recommended models s	supply see page 40 of the catalog	gue



















PRODUCT CODE CONFIGURATION



	family	
CEA	MIZAR OCE	ANO
	model	
00	OCEANO I	L.O
CCT		
С	2700 K	
	00001/	

	CCT	
С	2700 K	
D	3000 K	
F	4000 K	
	CRI	

С	> 90	
	beam angles	
S	15°	V
М	25°	V
L	40°	
Е	20°x43° ell.	

L	40°	
Ε	20°x43° ell.	-
	optionals	
0	no one	

frame finishing		
00	aluminium body aluminium frame	
01	steel body steel frame	
02	aluminium body brass frame	
03	steel body brass frame	

	bid55 fidific	
cable length		
Α	0,4 m	
С	1,5 m	
Н	5 m	
М	10 m	
Р	15 m	

variant

standard

00

or correct code composition
ee instructions on page 151
of the catalogue or go to
www.mizar.it

















OCEANO 1.1



aluminium





power	1W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68
IK rating	IK 09
operating temperature	-20°C/+50°C
size	29 x 29 x 44 mm
light source flux	172 lm (3000K)
effective flux	up to 53 lm (3000K)
beam angles	circular 15° – 25° – 40°; elliptical 20° x 43°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

Inground walk-over luminaire, suitable for outdoor use (IP66/IP68), with operating temperature range: -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper square frame in aluminium, steel or brass. The light source consists of a single chip ${\bf 1W}$ power LED supplied at 24V constant voltage. The luminous flux up to 53 lm (3000K) makes it ideal for marking out **walkways** or for obtaining a starry effect on the ceiling, thanks to different beam angles: circular 15°, 25° and 40° and an elliptical 20°x 43°. The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 1.1 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes, polarity reversal and water infiltration. Installation accessories are provided (draining and waterproof outer case and plasterboard spring). The power cable length is 0.4m; on request: 1.5m, 5m, 10m, 15m.

body materials	– anticorodal 6082 anodized 20 µ aluminium – 316L stainless steel	
frame materials	anticorodal 6082 anodized20 µ aluminium316L stainless steelbrass	
screen	tempered extra-clear glass - 4 mm	
installation	with outer case / plasterboard spring	
power cable	FR5F0EM7 -AD8 2X0.5 mm ²	
electrical connection	parallel	
weight	46 g (aluminium) 99 g (steel)	
protection system	ldroSkud [®] System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection	
made in	ITALY	

29 29 44 20



	draining outer case	slim draining outer case	waterproof outer case	plasterboard spring
	CEAZZZ000	CEAZZZ001	CEAZZZ002	CEAZZZ014
ACCESSORIES	4			
	Ø 24,3 x Ø 74,2 x 75	Ø 25 x 66	Ø 25 x 87	
	power supply for recommended models see page 40 of the catalogue		que	

15°	25°	40°	20° x 43°
10 150 150 150 150 150 150 150 150 150 1	201100 cd / 12000 lm C002770 1207 1207 1207 1207 1207 1207 1207	150 180 250 120 120 120 120 120 120 120 120 120 12	120 150 160 150 150 160 160 160 160 160 160 160 160 160 16



















00

OCEANO 1.1

PRODUCT CODE CONFIGURATION



family		
CEA	MIZAR OCEANO	
model		
01	OCEANO 1.1	
CCT		

CCT		
С	2700 K	
D	3000 K	
F	4000 K	
ODI		

	0111
С	> 90
	beam angles

beam angles		
S	15°	
М	25°	
L	40°	
Ε	20°x43° ell.	

optionals

U	no one
ŧ	ramo finichin

frame finishing		
00	aluminium body aluminium frame	
01	steel body steel frame	
02	aluminium body brass frame	
വാ	steel body	

brass frame cable length

Α	0,4 m	
С	1,5 m	
Н	5 m	
М	10 m	
Р	15 m	

variant standard

For correct code composition see instructions on page 151 of the catalogue or go to

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aluminium

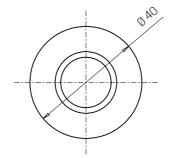
power	2W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68
IK rating	IK 07
operating temperature	-20°C/+50°C
size	Ø 40 x 76 mm
light source flux	195 lm (3000K)
effective flux	up to 120 lm (3000K)
beam angles	circular 10° – 36° – 60° ; elliptical 10° x 53°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

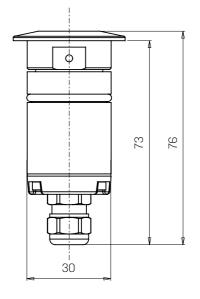
Inground walk-over luminaire, suitable for **outdoor** use (IP66/IP68), with operating temperature range: -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper round frame in aluminium, steel or brass. The light source consists of a single chip ${\bf 2W}$ power LED supplied at 24V constant voltage. The luminous flux up to **120 lm** (3000K) makes it **ideal** for marking out **walkways** or for obtaining a starry

effect on the ceiling, thanks to different beam angles: circular 10°, 36° and 60° and an elliptical 10°x 53°. The source is recessed for greater visual comfort. The **colour temperature** is available variants: 2700K, 3000K, 4000K with CRI > 90. Oceano 2.0 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes, polarity reversal and water infiltration.

There are optionals for anti-glare (honeycomb) and installation accessories are provided (draining and waterproof outer case and plasterboard spring). The power cable length is 0.4m; on request: 1.5m, 5m, 10m, 15m.

body materials	– anticorodal 6082 anodized 20 µ aluminium – 316L stainless steel
frame materials	- anticorodal 6082 anodized 20 µ aluminium - 316L stainless steel - brass
screen	tempered extra-clear glass - 6 mm
installation	with outer case / plasterboard spring
power cable	H05RN - F 2X0.75 mm ²
electrical connection	parallel
weight	101 g (aluminium) 212 g (steel)
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY





	honeycomb	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS		

	draining outer case	slim draining outer case	waterproof outer case	plasterboard spring
	CEAZZZ003	CEAZZZ004	CEAZZZ005	CEAZZZ015
ACCESSORIES				
	Ø35 x Ø85 x 102	Ø35×100	Ø36ר70×93	
		power	supply	al la

10°	36°	60°	10° x 53°
00-150 et/1000 in C0-270 120 130 180 150 120 120 130 180 150 120 10 10 10 10 10 10 10 10 10 10 10 10 10 1	90	00 C180 cd / 1000 lm C50 C270 150 180 150 100 180 150 90 90 90 100 100 100 100 100 100 100 100	20 C180 cd / 1000 to C50 C270 120 150 150 150 120 90 100 100 100 100 00 100 100 100 100 100

















OCEANO 2.0

PRODUCT CODE CONFIGURATION



	family	
CEA	MIZAR OCE	ANO
	model	
02	OCEANO	2.0
	CCT	
С	2700 K	
D	3000 K	
F	4000 K	

	CRI	
С	> 90	
	beam angles	
S	10°	V

S	10°	V
М	36°	
L	60°	
E	10°x53° ell.	

	optionals	
0	no one	
1	honevcomb	æ

Trame finishing		
00	aluminium body aluminium frame	
01	steel body steel frame	
02	aluminium body brass frame	
03	steel body brass frame	

cable leftgui		
Α	0,4 m	
C	1,5 m	
Н	5 m	
М	10 m	
Р	15 m	

	variant	
00	standard	

For correct code composition see instructions on page 151 of the catalogue or go to

















OCEANO 2.1



aluminium





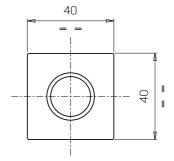
power	2W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68
IK rating	IK 07
operating temperature	-20°C/+50°C
size	40 x 40 x 76 mm
light source flux	195 lm (3000K)
effective flux	up to 120 lm (3000K)
beam angles	circular 10° – 36° – 60°; elliptical 10° x 53°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

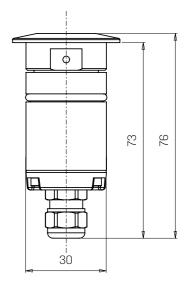
Inground walk-over luminaire, suitable for **outdoor** use (IP66/IP68), with operating temperature range: -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper square frame in aluminium, steel or brass. The light source consists of a single chip **2W** power LED supplied at 24V constant voltage.

The luminous flux up to **120 lm** (3000K) makes it **ideal** for marking out **walkways** or for obtaining a starry effect on the ceiling, thanks to different beam angles: circular 10°, 36° and 60° and an elliptical 10°x 53°. The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 2.1 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes, polarity reversal and water infiltration.

There are optionals for anti-glare (honeycomb) and installation accessories are provided (draining and waterproof outer case and plasterboard spring). The power cable length is 0.4m; on request: 1.5m, 5m, 10m, 15m.

body materials	– anticorodal 6082 anodized 20 µ aluminium – 316L stainless steel
frame materials	– anticorodal 6082 anodized 20 µ aluminium – 316L stainless steel – brass
screen	tempered extra-clear glass - 6 mm
installation	with outer case / plasterboard spring
power cable	H05RN - F 2X0.75 mm ²
electrical connection	parallel
weight	102 g (aluminium) 222 g (steel)
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY





	honeycomb	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS		

	draining outer case	slim draining outer case	waterproof outer case	plasterboard spring
	CEAZZZ003	CEAZZZ004	CEAZZZ005	CEAZZZ015
ACCESSORIES				
	Ø35 x Ø85 x 102	Ø35×100	Ø36ר70×93	
	fo	power	supply see page 40 of the catalog	nue

10°	36°	60°	10° x 53°
120 120	90	150 180 150 150 150 150 150 150 150 150 150 15	90



















OCEANO 2.1

PRODUCT CODE CONFIGURATION



fa	ım	il	y
N 417	7 1	_	_

iaiiiiy				
CEA	MIZAR OCE	ANO		
model				
03	OCEANO:	2.1		
CCT				
С	2700 K			
D	3000 K			
F	4000 K			

CRI

U	> 90	
	beam angles	
S	10°	
М	36°	

60° L **E** 10°x53° ell.

optionals no one

1	honeycomb	₿	
frame finiching			

frame finishing		
00	aluminium body aluminium fram	
01	steel body steel frame	
02	aluminium body brass frame	
03	steel body brass frame	

cable length

cable length		
Α	0,4 m	
C	1,5 m	
Н	5 m	
М	10 m	
Р	15 m	

	variant
00	standard

For correct code composition see instructions on page 151 of the catalogue or go to



aluminium

















PRODUCT CODE CONFIGURATION



	family	
CEA	MIZAR OCE	ANO
	model	
04	OCEANO 3	3.0
	CCT	
С	2700 K	

3000 K 4000 K

CRI

C	> 90
	beam angles

S	10°	V
М	25°	
L	40°	
Е	10°x45° ell.	*

optionals	
	Т

•		
0	no one	
1	honeycomb	₩
2	louvre	

frame finishing

00	aluminium body aluminium frame
01	steel body steel frame
02	aluminium body brass frame
03	steel body

cable length

Α	0,4 m
С	1,5 m
Н	5 m
М	10 m
Р	15 m

variant

00	standard
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For correct code composition see instructions on page 151 of the catalogue or go to



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OCEANO 3.0

Inground walk-over luminaire, suitable for outdoor



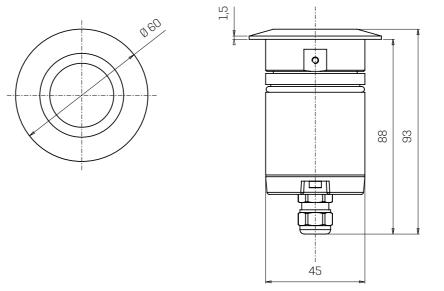
brass

power	2W – single chip Power Led	
power supply	24V constant voltage	
insulation class	III class	
IP rating	IP66 / IP68 10 m	
IK rating	IK 10	
operating temperature	-20°C / +50°C	
size	Ø 60 x 93 mm	
light source flux	227 lm (3000K)	
effective flux	up to 153 lm (3000K)	
beam angles	circular 10° – 25° – 40° ; elliptical 10° x 45°	
CCT	2700K - 3000K - 4000K	
CRI	> 90	
BIN selection	2 Step MacAdam	
lifetime	L80 B10 50.000 h	

use and underwater up to 10m (IP66/IP68), with operating temperature range: -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper round frame in aluminium, steel or brass. The light source consists of a single chip **3W** power LED supplied at 24V constant voltage. The luminous flux up to 153 lm (3000K) makes it ideal for marking out **walkways** or for illuminate architectural details, thanks to different beam angles: circulatir 10°, 25° and 40° and an **elliptical** 10°x 45°. The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 3.0 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes, polarity reversal and water infiltration. There are optionals for anti-glare (honeycomb and louvre) and installation accessories are provided (draining and waterproof outer case). The power cable length is 0.4m;

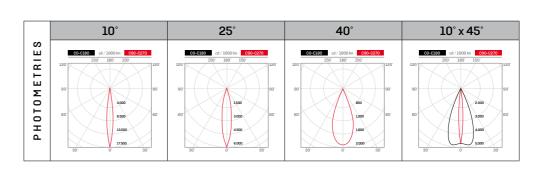
on request: 1.5m, 5m, 10m, 15m.

body materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel – brass	
frame materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel	
screen	tempered extra-clear glass - 8 mm	
installation	with outer case	
power cable	H05RN - F 2X0.75 mm ²	
electrical connection	parallel	
weight	270 g (aluminium) 622 g (steel)	
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection	
made in	ITALY	



	honeycomb	louvre	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS			

	draining outer case	slim draining outer case	waterproof outer case
	CEAZZZ006	CEAZZZ007	CEAZZZ008
ACCESSORIES			
	0 49.5 x 0 111 x 112	Ø 54 x Ø 95 x 115	Ø 54 x Ø 95 x 139
	for recomm	power supply mended models see page 40 of th	e catalogue







































OCEANO 3.1

Inground walk-over luminaire, suitable for outdoor



aluminium





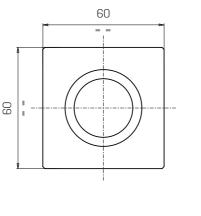


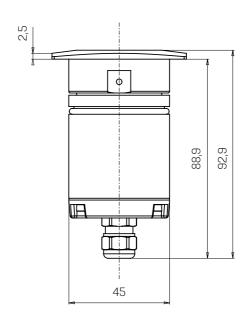
power	3W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68 10 m
IK rating	IK 10
operating temperature	-20°C / +50°C
size	60 x 60 x 93 mm
light source flux	227 lm (3000K)
effective flux	up to 153 lm (3000K)
beam angles	circular 10° – 25° – 40° ; elliptical 10° x 45°
ССТ	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

use and underwater up to 10m (IP66/IP68), with operating temperature range: -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper square frame in aluminium, steel or brass. The light source consists of a single chip **3W** power LED supplied at 24V constant voltage. The luminous flux up to 153 lm (3000K) makes it ideal for marking out **walkways** or for illuminate architectural details, thanks to different beam angles: circular 10°, 25° and 40° and an elliptical 10°x 45°. The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 3.1 is equipped with the IdroSkud® system for the protection of electronic components against voltage spikes, polarity reversal and water infiltration. There are optionals for anti-glare (honeycomb and louvre) and installation accessories are provided

(draining and waterproof outer case). The power cable length is 0.4m; on request: 1.5m, 5m, 10m, 15m.

body materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel	
frame materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel – brass	
screen	tempered extra-clear glass - 8 mm	
installation	with outer case	
power cable	H05RN - F 2X0.75 mm ²	
electrical connection	parallel	
weight	293 g (aluminium) 633 g (steel)	
protection system	ldroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection	
made in	ITALY	





	honeycomb	louvre	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS			

	draining outer case	slim draining outer case	waterproof outer case
	CEAZZZ006	CEAZZZ007	CEAZZZ008
ACCESSORIES			
	0 49.5 x 0 111 x 112	Ø 54 x Ø 95 x 115	Ø 54 x Ø 95 x 139
	for recomm	power supply mended models see page 40 of th	e catalogue

10°	25°	40°	10° x 45°
00C150 cd / 1000 lm	90	60 (189 et / 1000 lm (180 et / 1000 et / 1	200 - 2000 200



















OCEANO 3.1

PRODUCT CODE CONFIGURATION



fami	ily

laililly				
CEA	MIZAR OCEANO			
model				
05	OCEANO :	3.1		
CCT				
С	2700 K			
D	3000 K			
F	4000 K			

CRI

C	> 90
	beam angles

beam angles		
S	10°	V
М	25°	$\overline{}$
L	40°	
F	10°v45° ell	

optionals				
0	no one			
1	honeycomb	₿		
2	louvre			

frame finishing

00	aluminium body aluminium frame
01	steel body steel frame
02	aluminium body brass frame
03	steel body brass frame

cable length

Α	0,4 m
С	1,5 m
Н	5 m
М	10 m
Р	15 m

variant

standard

r	correct code	compositio

see instructions on page 151 of the catalogue or go to www.mizar.it

















PRODUCT CODE CONFIGURATION



family CEA MIZAR OCEANO model 06 OCEANO 3.2

CCT 2700 K

3000 K 4000 K

CRI

С > 90 beam angles

S 10° 25° 40° **E** 10°x45° ell.

	optionals	
0	no one	
1	honeycomb	œ
2	louvre	

frame finishing

	cable length		
01	steel body steel frame		
00	aluminium body aluminium frame		

Α	0,4 m
С	1,5 m
Н	5 m
М	10 m
Р	15 m

	variant
nn	ctandard

For correct code composition see instructions on page 151 of the catalogue or go to



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OCEANO 3.2



aluminium



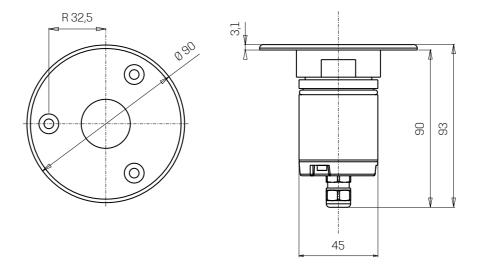
power	3W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68 10 m
IK rating	IK 10
operating temperature	-20°C / +50°C
size	Ø 90 x 93 mm
light source flux	227 lm (3000K)
effective flux	up to 153 lm (3000K)
beam angles	circular 10° – 25° – 40° ; elliptical 10° x 45°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

Inground **drive-over** luminaire, suitable for **outdoor** use and underwater up to 10m (IP66/IP68), with operating temperature range: -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper round frame in aluminium, steel or brass. The light source consists of a single chip **3W** power LED supplied at 24V constant voltage. The luminous flux up to 153 lm (3000K) makes it ideal for marking out **walkways** and driveways or for illuminate architectural details, thanks to different beam angles: circular 10°, 25° and 40° and an elliptical 10°x 45°. The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90.

Oceano 3.2 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes, polarity reversal and water infiltration. There are optionals for anti-glare (honeycomb and louvre) and installation accessories are provided (drive-over outer case). The power cable length is 0.4m;

on request: 1.5m, 5m, 10m, 15m.

body materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel	
frame materials	– anticorodal 6082 anodized 20 µ aluminium – 316L stainless steel	
screen	tempered extra-clear glass - 8 mm	
installation	with outer case	
power cable	H05RN - F 2X0.75 mm ²	
electrical connection	parallel	
weight	308 g (aluminium) 748 g (steel)	
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection	
made in	ITALY	



	honeycomb	louvre	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS			



10°	25°	40°	10° x 45°
CO CO CO CO CO CO CO CO	90	50-C150 et/1000 to C50-C270 120 150 160 150 120 60 60 120 60 60 120 60 60 60 60 60 60 60 60 60 60 60 60 60	120 (4/1000) (4/1000) (300-270) (120 (1000)



































OCEANO 3.3

Inground **drive-over** luminaire, suitable for **outdoor**



aluminium





power	3W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68 10 m
IK rating	IK 10
operating temperature	-20°C/+50°C
size	90 x 90 x 93 mm
light source flux	227 lm (3000K)
effective flux	up to 153 lm (3000K)
beam angles	circular 10° – 25° – 40° ; elliptical 10° x 45°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

use and underwater up to 10m (IP66/IP68), with operating temperature range: -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper square frame in aluminium, steel or brass. The light source consists of a single chip ${\bf 3W}$ power LED supplied at 24V constant voltage. The luminous flux up to 153 lm (3000K) makes it ideal for marking out **walkways** and driveways or for illuminate architectural details, thanks to different beam angles: circular 10°, 25° and 40° and an elliptical 10°x 45°. The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 3.3 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes, polarity reversal and water infiltration. There are optionals for anti-glare (honeycomb and louvre) and installation accessories are provided (drive-over outer case). The power cable length is 0.4m;

on request: 1.5m, 5m, 10m, 15m.

body materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel	
frame materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel	
screen	tempered extra-clear glass - 8 mm	
installation	with outer case	
power cable	H05RN - F 2X0.75 mm ²	
electrical connection	parallel	
weight	311 g (aluminium) 757 g (steel)	
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection	
made in	ITALY	

65 88 45

honeyco	nb louvre	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS		



10°	25°	40°	10° x 45°
00	00.0180 cd / 1000 lm	50-C150 ed / 1000 lm	90

















00

OCEANO 3.3

PRODUCT CODE CONFIGURATION



	family
CEA	MIZAR OCEANO
	model
07	OCEANO 3.3
	OOT

	CCT	
C	2700 K	
D	3000 K	
F	4000 K	

	0111
С	> 90
	beam angles

	beam angles	
S	10°	V
М	25°	
L	40°	
Ε	10°x45° ell.	

		V.
	optionals	
0	no one	
1	honeycomb	₩
2	louvre	

f	rame finishing
00	aluminium body aluminium frame
Ωī	steel body

UΙ	steel frame
	cable length
Α	0,4 m
С	1,5 m
Н	5 m
М	10 m
Р	15 m

variant

For correct code composition see instructions on page 151 of the catalogue or go to





















	family	
CEA	MIZAR OCE	ANO
	model	
80	OCEANO 4	1.0
	CCT	
С	2700 K	
	00001/	

3000 K 4000 K CRI

С > 90

beam angles		
S	5°	V
М	20°	V
L	60°	
	750 000 11	

	19 XOO EII.	
	optionals	
0	no one	
1	honeycomb	₿

louvre frame finishing

00	aluminium body aluminium frame
01	steel body steel frame
02	aluminium body brass frame
03	steel body

cable length

Α	0,4 m
С	1,5 m
Н	5 m
М	10 m
Р	15 m

variant

00	standard
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For correct code composition see instructions on page 151 of the catalogue or go to



OCEANO 4.0

Inground walk-over luminaire, suitable for



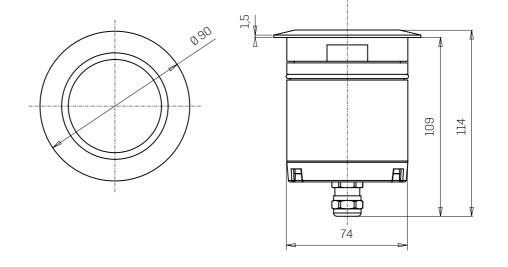
aluminium brass

power	7W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68 10 m
IK rating	IK 09
operating temperature	-20°C / +50°C
size	Ø 90 x 114 mm
light source flux	410 lm (3000K)
effective flux	up to 305 lm (3000K)
beam angles	circular 5° – 20° – 60°; elliptical 15° x 60°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

outdoor use and underwater up to 10m (IP66/IP68), with operating temperature range: -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper round frame in aluminium, steel or brass. The light source consists of a single chip **7W** power LED supplied at 24V constant voltage. The luminous flux up to 305 lm (3000K) makes it ideal for marking out **walkways** or for illuminate architectural details, thanks to different beam angles: circular 5°, 20° and 60° and an elliptical 15°x 60° The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 4.0 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes, polarity reversal and water infiltration. There are optionals for anti-glare (honeycomb and louvre) and installation accessories are provided

(draining and waterproof outer case). The power cable length is 0.4m; on request: 1.5m, 5m, 10m, 15m.

body materials - anticorodal 6082 anodized 20μ aluminium - 316L stainless steel - anticorodal 6082 anodized 20μ aluminium - 316L stainless steel - brass screen tempered extra-clear glass − 8 mm installation with outer case brower cable H05RN − F 2X0.75 mm² electrical connection parallel broweight 640 g (aluminium) 1510 g (steel) ldroSkud® System - polarity reversal protection - voltage spikes protection - water infiltration protection				
frame materials 20 µ aluminium - 316L stainless steel - brass screen tempered extra-clear glass - 8 mm installation with outer case H05RN - F 2X0.75 mm² electrical connection parallel weight 640 g (aluminium) 1510 g (steel) IdroSkud® System - polarity reversal protection - voltage spikes protection		20µ aluminium	body materials	
installation with outer case power cable H05RN - F 2X0.75 mm² electrical connection parallel weight 640 g (aluminium) 1510 g (steel) ldroSkud® System - polarity reversal protection - voltage spikes protection		20 µ aluminium - 316L stainless steel	frame materials	
power cable H05RN - F 2X0.75 mm² electrical connection parallel weight 640 g (aluminium) 1510 g (steel) ldroSkud® System - polarity reversal protection - voltage spikes protection	1	tempered extra-clear glass - 8 mm	screen	
electrical connection parallel weight 640 g (aluminium) 1510 g (steel) ldroSkud® System		with outer case	installation	
weight 640 g (aluminium) 1510 g (steel) IdroSkud® System polarity reversal protection voltage spikes protection		H05RN - F 2X0.75 mm ²	power cable	
protection system 1510 g (steel) IdroSkud® System _ polarity reversal protection _ voltage spikes protection		parallel	electrical connection	
protection system _ polarity reversal protection _ voltage spikes protection			weight	
		polarity reversal protectionvoltage spikes protection	protection system	
made in ITALY		ITALY	made in	



	honeycomb	louvre	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS			

	draining outer case	slim draining outer case	waterproof outer case
	CEAZZZ010	CEAZZZ011	CEAZZZ012
ACCESSORIES			
	Ø79ר141×139	Ø 85 x Ø 110 x 145	Ø85ר1110×169
	power supply for recommended models see page 40 of the catalogue		

5°	20°	60°	15° x 60°
120	120	00.C180 of /1000 in 0.66-C270 150 180 150 100 150 180 150 90 100 100 100 100 100 100 100 100 100 1	90 00-180 ed / 1000 lm 000-2270 1200 1200 1200 1200 1200 1200 1200

































OCEANO 4.1

Inground walk-over luminaire, suitable for

outdoor use and underwater up to 10m (IP66/IP68),



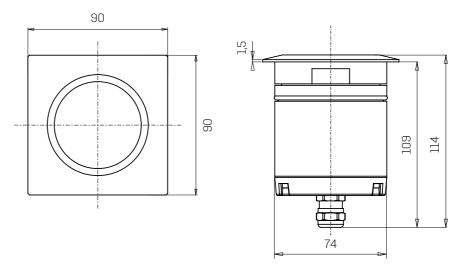
aluminium

7W – single chip Power Led
24V constant voltage
III class
IP66 / IP68 10 m
IK 09
-20°C / +50°C
90 x 90 x 114 mm
410 lm (3000K)
up to 305 lm (3000K)
circular 5° – 20° – 60° ; elliptical 15° x 60°
2700K - 3000K - 4000K
> 90
2 Step MacAdam
L80 B10 50.000 h

with operating temperature range: -20° C / $+50^{\circ}$ C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper square frame in aluminium, steel or brass. The light source consists of a single chip **7W** power LED supplied at 24V constant voltage. The luminous flux up to 305 lm (3000K) makes it ideal for marking out **walkways** or for illuminate architectural details, thanks to different beam angles: circular 5°, 20° and 60° and an elliptical 15°x 60° The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 4.1 is equipped with the IdroSkud® system for the protection of electronic components against voltage spikes, polarity reversal and water infiltration. There are optionals for anti-glare (honeycomb and louvre) and installation accessories are provided

(draining and waterproof outer case). The power cable length is 0.4m; on request: 1.5m, 5m, 10m, 15m.

body materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel	
frame materials	anticorodal 6082 anodized20µ aluminium316L stainless steelbrass	
screen	tempered extra-clear glass - 8 mm	
installation	with outer case	
power cable	H05RN - F 2X0.75 mm ²	
electrical connection	parallel	
weight	645 g (aluminium) 1522 g (steel)	
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection	
made in	ITALY	



honeyco	nb louvre	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS		

	draining outer case	slim draining outer case	waterproof outer case	
	CEAZZZ010	CEAZZZ011	CEAZZZ012	
ACCESSORIES			4	
	Ø79 x Ø141 x 139	Ø 85 x Ø 110 x 145	Ø85ר1110×169	
	power supply for recommended models see page 40 of the catalogue			

5°	20°	60°	15° x 60°
50 C100 in C00 C270 150 180 150 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000 100 17000	00-C180 cd / 1000 in C00-C270 1507 180 150 120	150 180 150 150 150 150 150 150 150 150 150 15	00.0180 od /1000 im 00.0270 150 180 350 120 90 665 665 665 665 665 665 665 665 665 66



















OCEANO 4.1

PRODUCT CODE CONFIGURATION



family				
CEA	MIZAR OCE	ANO		
	model			
09	OCEANO 4.1			
CCT				
С	2700 K			
D	3000 K			
F	4000 K			

C	> 90	
beam angles		
S	5°	

5°	
J	
20°	
60°	
15°x60° ell.	
	20° 60°

	optionals	
0	no one	
1	honeycomb	8
2	louvre	

frame finishing

00	aluminium body aluminium frame
01	steel body steel frame
02	aluminium body brass frame
03	steel body brass frame

cable leffgiff		
Α	0,4 m	
С	1,5 m	
Н	5 m	
М	10 m	
P	15 m	

variant

standard

r correct code composition
o inetructions on page 151

























	family	
CEA	MIZAR OCE	ANO
	model	
10	OCEANO	4.2
	CCT	
C	2700 K	

3000 K 4000 K CRI

С > 90

beam angles S 20° 60°

E 15°x60° ell.

optionals		
0	no one	
1	honeycomb	₩
2	louvre	

frame finishing

cable length		
01	steel body steel frame	
00	aluminium body aluminium frame	

Α	0,4 m
С	1,5 m
Н	5 m
М	10 m
Р	15 m

	variant	
00	standard	

For correct code composition see instructions on page 151 of the catalogue or go to



OCEANO 4.2



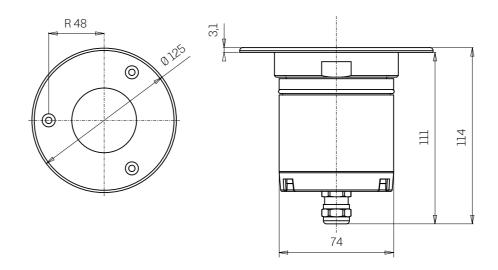
aluminium

power	7W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68 10 m
IK rating	IK 09
operating temperature	-20°C / +50°C
size	Ø 125 x 114 mm
light source flux	410 lm (3000K)
effective flux	up to 305 lm (3000K)
beam angles	circular 5° – 20° – 60° ; elliptical 15° x 60°
ССТ	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

Inground **drive-over** luminaire, suitable for outdoor use and underwater up to 10m (IP66/IP68), with operating temperature range: -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper round frame in aluminium, steel or brass. The light source consists of a single chip **7W** power LED supplied at 24V constant voltage. The luminous flux up to 305 lm (3000K) makes it ideal for marking out **walkways** and driveways or for illuminate architectural details, thanks to different beam angles: circular 5°, 20° and 60° and an elliptical 15°x 60°. The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 4.2 is equipped with the **IdroSkud®** system for the

protection of electronic components against voltage spikes, polarity reversal and water infiltration. There are optionals for anti-glare (honeycomb and louvre) and installation accessories are provided (drive-over outer case). The power cable length is 0.4m; on request: 1.5m, 5m, 10m, 15m.

body materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel	
frame materials - anticorodal 6082 anodized 20 µ aluminium - 316L stainless steel		
screen	tempered extra-clear glass - 8 mm	
installation	with outer case	
power cable	H05RN - F 2X0.75 mm ²	
electrical connection	parallel	
weight	720 g (aluminium) 1774 g (steel)	
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection	
made in	ITALY	



honeyco	nb louvre	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS		



5°	20°	60°	15° x 60°
00-C160 cd / 1000 lm 000-C70 150 180 150 150 120 120 120 150 150 150 150 150 150 150 150 150 15	00-C180 et /1000 lm 056-C70 150 180 150 120 90 120 120 120 120 120 120 120 120 120 12	00 C180 of /1000 in C50 C270 120 150 180 150 120 90 175 180 150 100 90 90 90 90 90 90 90 90 90 90 90 90 90 9	00 C180 c1/1000 lm C56 C270 150 180 150 120 90 90 1250 180 150 1250 180 150 1250 180 150 1250 180 150



























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Ξ





	family
CEA	MIZAR OCEANO
model	
11	OCEANO 4.3

CCT 2700 K 3000 K 4000 K

CRI

С > 90 beam angles

bearn angles		
S	5°	V
М	20°	
L	60°	
E	15°x60° ell.	

optionals		
	no one	

0	no one	
1	honeycomb	₩
2	louvre	

frame finishing

cable length		
	01	steel body steel frame
	00	aluminium frame

Α	0,4 m
С	1,5 m
Н	5 m
М	10 m
Р	15 m

variant	
nn	standard

For correct code composition see instructions on page 151 of the catalogue or go to



OCEANO 4.3



aluminium





power	7W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68 10 m
IK rating	IK 09
operating temperature	-20°C / +50°C
size	125 x 125 x 114 mm
light source flux	410 lm (3000K)
effective flux	up to 305 lm (3000K)
beam angles	circular 5° – 20° – 60° ; elliptical 15° x 60°
ССТ	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

Inground drive-over luminaire, suitable for outdoor use and underwater up to 10m (IP66/IP68), with operating temperature range: -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; the upper square frame in aluminium, steel or brass. The light source consists of a single chip **7W** power LED supplied at 24V constant voltage. The luminous flux up to 305 lm (3000K) makes it ideal

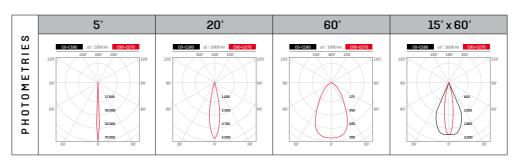
for marking out **walkways** and driveways or for illuminate architectural details, thanks to different beam angles: circular 5°, 20° and 60° and an elliptical 15°x 60°. The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 4.3 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes, polarity reversal and water infiltration.

There are optionals for anti-glare (honeycomb and louvre) and installation accessories are provided (drive-over outer case). The power cable length is 0.4m; on request: 1.5m, 5m, 10m, 15m.

body materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel	
frame materials - anticorodal 6082 anodized 20 µ aluminium - 316L stainless steel		
screen	tempered extra-clear glass - 8 mm	
installation	with outer case	
power cable	H05RN - F 2X0.75 mm ²	
electrical connection	parallel	
weight	748 g (aluminium) 1831 g (steel)	
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection	
made in	ITALY	

































OBO





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	family
CEA	MIZAR OCEANO
	model
16	OCEANO 9.1
17	OCEANO 9.2
18	OCEANO 9.3
19	OCEANO 9.4

	002 10 0. 1					
	CCT					
С	2700 K					
D	3000 K					
F	4000 K					

F	4000 K			
	CRI			
L:	> 90			

-	
	beam angles
R	grazing

no one frame finishing

optionals

01	steel frame
01	steel body

	cable length
Α	0,4 m
0	1 5 00

С	1,5 m				
Н	5 m				
М	10 m				
Р	15 m				

variant 00 standard

OCEANO 9.1-9.2-9.3-9.4

Recessed surface-mounted, walk-over luminaires, suitable for **outdoor** use and **underwater** up to 10 metres, (IP66/IP68) with an operating temperature range of -20°C / +50°C.

To offer the maximum application versatility, the body and frame are made of stainless steel. The light source consists of a single **3W** power LED chip powered at 24V constant voltage.

The luminous flux from 27 to 107 lm (3000K) makes them **ideal** for marking **pedestrian routes** thanks to the different beam angles.

Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 9.1, 9.2, 9.3, 9.4 are equipped with the IdroSkud® system to protect electronic components from voltage spikes, polarity reversal and water infiltration. Installation accessories (draining and waterproof outer case) are provided. Electrical cable size is 0.4m; on request: 1.5m, 5m, 10m, 15m.



	draining outer case	slim draining outer case	waterproof outer case		
	CEAZZZ006	CEAZZZ007	CEAZZZ008		
ACCESSORIES					
	Ø 49.5 x Ø 111 x 112	Ø 54 x Ø 95 x 115	Ø 54 x Ø 95 x 139		
	power supply for recommended models see page 40 of the catalogue				

	-150 -170 180 170 150 150 140	single emission	double emission	three emissions	four emissions
PHOTOMETRIES	-130 -120 -110 -100 -80 -80 -50 -80 -80 -50 -80 -50 -60 -50 -60 -60 -70 -60 -60 -70 -60 -60 -60 -60 -60 -60 -60 -60 -60 -6	6			













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OCEANO 9.1

BIN selection



OCEANO 9.2







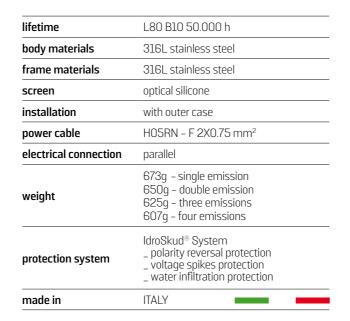




OCEANO 9.4 OCEANO 9.3

3W – single chip Power Led power 24V constant voltage power supply insulation class III class IP66 / IP68 10 m IP rating IK rating IK 10 -20°C/+50°C operating temperature Ø 60 x 105 mm 227 lm (3000K) light source flux up to 27 lm - single emission up to 54 lm - double emission effective flux up to 81 lm - three emissions up to 107 lm - four emissions beam angles grazing 1-2-3-4 emissions 2700K - 3000K - 4000K CCT > 90 CRI

2 Step MacAdam

















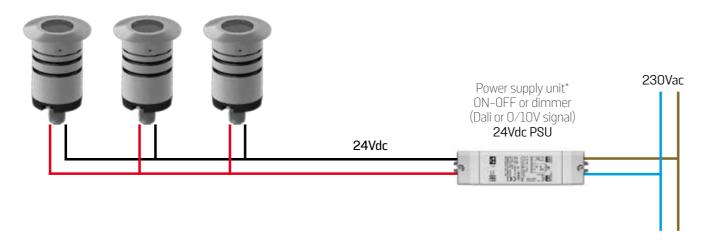


OCEANO

PARALLEL ELECTRICAL CONNECTION

ON-OFF OR DIMMER SYSTEM (DALI OR O-10V SIGNAL)

All lights are signed for parallel connection with ON-OFF or dimmer power supply units



* The power supply unit must have sufficient power to supply the number of lights in the circuit plus a tolerance of 30% to handle the inrush current

	code	OUT tension	output max	W max	IP	supported spotlight model	number of spotlights																									
	MID0019		600mA dc			OCEANO 1.0 - 1.1	9	A																								
				14,4 W	IP67	OCEANO 2.0 - 2.1	5																									
Р L Υ		24V				OCEANO 3.0 - 3.1 - 3.2 - 3.3 - 9	3	(0)																								
SUP							OCEANO 4.0 - 4.1 - 4.2 - 4.3	1	~																							
VER	MID0020 24V 1500mA dc	241/	1500 as A da	24.W	L IDOZ	OCEANO 1.0 - 1.1	23																									
TED POW						OCEANO 2.0 - 2.1	11																									
		1300ITIA UL	24 W	IP67 -	OCEANO 3.0 - 3.1 - 3.2 - 3.3 - 9	10																										
G E S																																OCEANO 4.0 - 4.1 - 4.2 - 4.3
SUG							OCEANO 1.0 - 1.1	15	E																							
	MID0021 DALI 24V 1000	1000 1 04 14	24.W	24 W IP67 -	OCEANO 2.0 - 2.1	9																										
		21 DALI 24V 1000mA dc 24 \	24 VV		OCEANO 3.0 - 3.1 - 3.2 - 3.3 - 9	6																										
						OCEANO 4.0 - 4.1 - 4.2 - 4.3	2	2																								





©CEANO

OUTDOOR FLOODLIGHTS



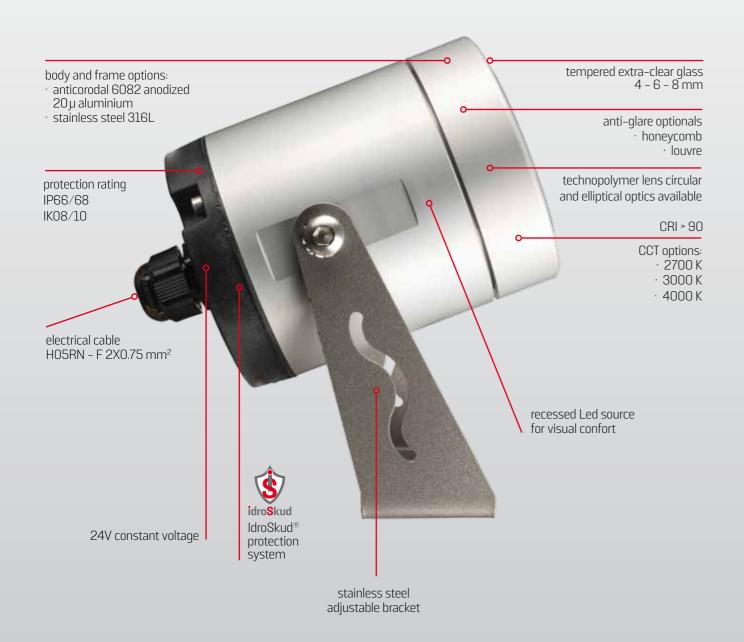
OCEANO

CONSTRUCTION FEATURES



OCEANO

FAMILY RANGE





ITALIAN DESIGN















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family					
CEA	MIZAR OCEANO				
model					
12	OCEANO	15			
CCT					
С	2700 K				
D	3000 K				
F	4000 K				

CRI

C	> 90	
	beam angles	
S	15°	
м	25°	_

S	15°	
М	25°	
L	40°	
E	20°x43° ell.	

0 nn nne

U	TIO OTIC
f	rame finishing
00	aluminium

	cable length
01	steel

Α	0,4 m
С	1,5 m
Н	5 m
М	10 m
Р	15 m

00 standard

PRODUCT CODE CONFIGURATION



	family	
CEA	MIZAR OCE	ANO
	model	
12	OCEANO	5
	CCT	
С	2700 K	
D	3000 K	
F	4000 K	

CRI

beam angles		
S	15°	٧
М	25°	V
L	40°	

optionals

frame finishing		
	00	aluminium

variant

For correct code composition see instructions on page 151 of the catalogue or go to



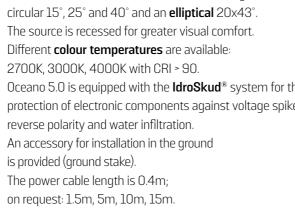
OCEANO 5

Floodlights suitable for use (IP66/IP68) with an operating temperature range of -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; for both models, the bracket are made in steel and allows the fixture's inclination to be adjusted.

The light source consists of a single chip **1W** power LED supplied at 24V constant voltage.

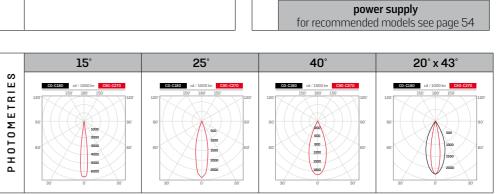
The luminous flux up to 53 lm (3000K) makes it ideal for illuminating architectural details, garden plants or water features, thanks to different beam angles: circular 15°, 25° and 40° and an elliptical 20x43°. The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 5.0 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes,

reverse polarity and water infiltration. is provided (ground stake).



power power supply	1W – single chip Power Led 24V constant voltage	body materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel
insulation class	III class		- anticorodal 6082 anodized
IP rating	IP66 / IP68	frame materials	20µ aluminium - 316L stainless steel
IK rating	IK 09	screen	tempered extra-clear glass - 4 mm
operating temperature	-20°C / +50°C	installation	steel bracket
size	Ø 23 x 44 x 46,5 mm	power cable	FR5F0EM7 -AD8 2X0.5 mm ²
light source flux	172 lm (3000K)	electrical connection	parallel
effective flux	up to 53 lm (3000K)	- Ciccurcal conficction	-
beam angles	circular 15° – 25° – 40°; elliptical 20° x 43°	weight	52 g (aluminium) 112 g (steel)
CCT	2700K - 3000K - 4000K		IdroSkud® System
CRI	> 90	protection system	_ polarity reversal protection _ voltage spikes protection
BIN selection	2 Step MacAdam		_ water infiltration protection
lifetime	L80 B10 50.000 h	made in	ITALY





ACCESSORIES















ground stake

CEAZZZ016







aluminium



















aluminium

power	2W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68
IK rating	IK 07
operating temperature	-20°C/+50°C
size	Ø 30 x 76 x 62 mm
light source flux	195 lm (3000K)
effective flux	up to 120 lm (3000K)
beam angles	circular 10° – 36° – 60° ; elliptical 10° x 53°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

OCEANO 6

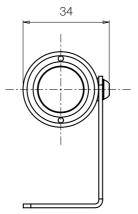
Floodlights suitable for outdoor use (IP66/IP68) with an operating temperature range of -20°C / +50°C. To offer the maximum application versatility the body can be made of aluminium or steel; for both models, the bracket are made in steel and allows the fixture's inclination to be adjusted.

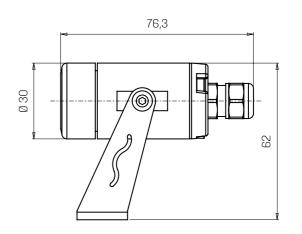
The light source consists of a single chip **2W** power LED supplied at 24V constant voltage.

The luminous flux up to **120 lm** (3000K) makes it **ideal** for illuminating architectural details, garden plants or water features, thanks to different beam angles: circular 10°, 36° and 60° and an elliptical 10x53°. The source is recessed for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 6.0 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes, reverse polarity and water infiltration.

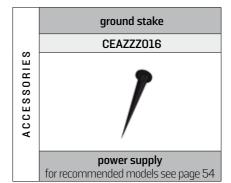
There are optionals for anti-glare (honeycomb) and installation in the ground is provided (ground stake). The power cable length is 0.4m; on request: 1.5m, 5m, 10m, 15m.

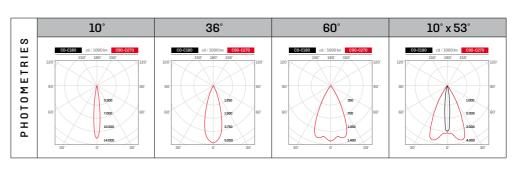
body materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel
frame materials	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel
screen	tempered extra-clear glass - 6 mm
installation	steel bracket
power cable	H05RN - F 2X0.75 mm ²
electrical connection	parallel
weight	118 g (aluminium) 226 g (steel)
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY





	honeycomb	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS		























OCEANO 6

PRODUCT CODE CONFIGURATION





	tamily	
CEA	MIZAR OCE	ANO
model		
13	OCEANO	6
CCT		
С	2700 K	
D	3000 K	
F	4000 K	
	CRI	
С	> 90	
heam angles		

beam angles		
S	10°	V
М	36°	
L	60°	
Е	10°x53° ell.	

optionals		
0	no one	
1	honeycomb	₩

frame finishing	
00	aluminium

01	steel		
	cable length		
Α	0,4 m		
C	1,5 m		
Н	5 m		
M	10 m		
Р	15 m		

variant	
00	standard

For correct code composition see instructions on page 151 of the catalogue or go to

















PRODUCT CODE CONFIGURATION



	family	
CEA	MIZAR OCE	ANO
	model	
14	OCEANO	7
	CCT	
С	2700 K	
D	3000 K	

C	> 90	
	beam angles	
_	3.00	

S	10°	V
М	25°	V
L	40°	
E	10°x45° ell.	

optionals

0	no one	
1	honeycomb	₩

frame finishing

cable length		
01	steel frame	
00	aluminium body	

А	U,4 III
С	1,5 m
Н	5 m
М	10 m
D	15 m

variant

00	standard

family				
CEA	EA MIZAR OCEANO			
model				
14	OCEANO 7			
CCT				
С	2700 K			
D	3000 K			
F	4000 K			

CRI

beam angles			
S	10°	V	
М	25°	V	
L	40°		

0	no one	
1	honeycomb	₩
_		

00	alairiii ilairii boay	
01	steel frame	
cable length		
۸	0.4 m	

	,
С	1,5 m
Н	5 m
М	10 m
Р	15 m

For correct code composition see instructions on page 151 of the catalogue or go to



OCEANO 7

Floodlights suitable for outdoor use and underwater up to 10m (IP66/IP68) with an operating temperature range of -20°C / +50°C.

To offer the maximum application versatility the body can be made of aluminium or steel; for both models, the bracket are made in steel and allows the fixture's inclination to be adjusted.

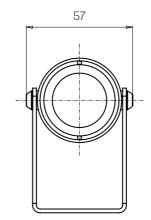
The light source consists of a single chip **3W** power LED supplied at 24V constant voltage.

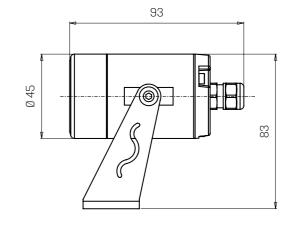
The luminous flux up to 153 lm (3000K) makes it ideal for illuminating architectural details, garden plants or water features, thanks to different beam angles: circular 10°, 25° and 40° and an elliptical 10x45°. The source is recessed for greater visual comfort. Different colour temperatures are available: 2700K, 3000K, 4000K with CRI > 90. Oceano 7.0 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes,

reverse polarity and water infiltration. There are optionals for anti-glare (honeycomb) and installation in the ground is provided (ground stake). The power cable length is 0.4m;

on request: 1.5m, 5m, 10m, 15m.

body materials 20 µ aluminium		
frame materials 20 µ aluminium	– anticorodal 6082 anodized 20µ aluminium – 316L stainless steel	
	1	
screen tempered extra-	clear glass – 8 mm	
installation steel bracket	steel bracket	
power cable H05RN – F 2X0.	H05RN - F 2X0.75 mm ²	
electrical connection parallel		
weight 304 g (aluminium 629 g (steel)	m)	
protection system IdroSkud® Syste _ polarity reversa _ voltage spikes _ water infiltratio	al protection protection	
made in ITALY	ii protection	









ground stake

10°	25°	40°	10° x 45°
00-0150 of 1000 lm C03-0270 120 150 150 150 120' 90 4400 60 1300 60' 1300 60' 1300 50' 30' 0' 30'	1300 180 150 150 150 150 150 150 150 150 150 15	120	00-C180 cd / 1000 in 000-C270 120 150 160 150 120 200 600 600 600 600 600 600 600 600 6























aluminium

power	3W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68 10 m
IK rating	IK 10
operating temperature	-20°C/+50°C
size	Ø 45 x 93 x 83 mm
light source flux	227 lm (3000K)
effective flux	up to 153 lm (3000K)
beam angles	circular 10° – 25° – 40°; elliptical 10° x 45°
ССТ	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h





86







0 74



114

93





family				
CEA	MIZAR OCE	ANO		
	model			
15	OCEANO 8			
	CCT			
С	2700 K			
D	3000 K			
	4000 K			

CRI

 > 90	
beam angles	

S	5°	V
М	20°	
L	60°	
F	15°x60° ell	

optionals		
0	no one	
1	honeycomb	8

frame finishing

00	aluminium	
01	steel	
cable length		
Α	0,4 m	
С	1,5 m	

15 m





family		
CEA	MIZAR OCEANO	
model		
15	OCEANO	8
CCT		
С	2700 K	
D	3000 K	
F	4000 K	

beam angles		
S	5°	V
М	20°	V
L	60°	

	-	
0	no one	
1	honeycomb	8

OI	Steel
cable length	
Α	0,4 m
С	1,5 m
Н	5 m
М	10 m

variant

00	standard

For correct code composition see instructions on page 151 of the catalogue or go to



53

OCEANO 8

Floodlights suitable for outdoor use and underwater up to 10m (IP66/IP68) with an operating temperature range of -20°C / +50°C.

To offer the maximum application versatility the body can be made of aluminium or steel; for both models, the bracket are made in steel and allows the fixture's inclination to be adjusted.

The light source consists of a single chip ${\bf 7W}$ power LED supplied at 24V constant voltage.

The luminous flux up to 305 lm (3000K) makes it ideal for illuminating architectural details, garden plants or water features, thanks to different beam angles: circular 5°, 20° and 60° and an elliptical 15x60°.

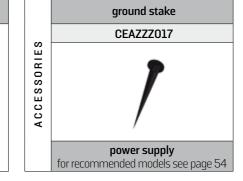
The source is recessed for greater visual comfort.

Different colour temperatures are available: 2700K, 3000K, 4000K with CRI > 90.

Oceano 8.0 is equipped with the **IdroSkud®** system for the protection of electronic components against voltage spikes, reverse polarity and water infiltration.

There are optionals for anti-glare (honeycomb) and installation in the ground is provided (ground stake). The power cable length is 0.4m; on request: 1.5m, 5m, 10m, 15m.

	honeycomb	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS		



5°	20°	60°	15° x 60°
00 -180	120	00-C180 cd / 1000 in 000-C270 150 150 160 150 120 120 120 120 150 160 150 120 120 120 120 120 120 120 120 120 12	120 130 130 130 130 130 130 130 130 130 13

























aluminium

power	7W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68 10 m
IK rating	IK 09
operating temperature	-20°C / +50°C
size	Ø 74 x 114 x 117 mm
light source flux	410 lm (3000K)
effective flux	up to 305 lm (3000K)
beam angles	circular 5° – 20° – 60° ; elliptical 15° x 60°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam
lifetime	L80 B10 50.000 h

- anticorodal 6082 anodized body materials 20 µ aluminium - 316L stainless steel - anticorodal 6082 anodized frame materials 20 µ aluminium - 316L stainless steel tempered extra-clear glass - 8 mm screen installation steel bracket H05RN - F 2X0.75 mm² power cable parallel electrical connection 748 g (aluminium) weight 1592 g (steel) IdroSkud® System _ polarity reversal protection protection system _ voltage spikes protection _ water infiltration protection ITALY made in

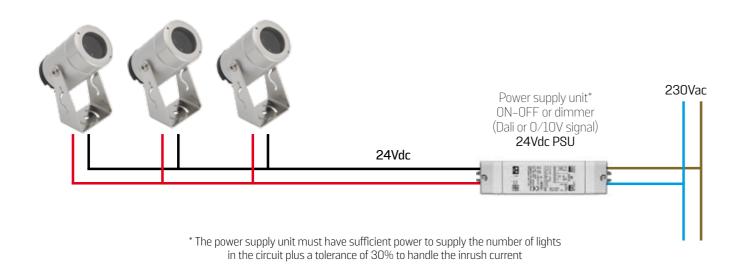


OCEANO

PARALLEL ELECTRICAL CONNECTION

ON-OFF OR DIMMER SYSTEM (DALI OR O-10V SIGNAL)

OCEANO lights are designed for parallel connection with ON-OFF or dimmer power supply units



	code	OUT tension	output max	W max	IP	supported spotlight model	number of spotlights									
PLY	MID0019	24V 60		14,4 W	IP67	OCEANO 5	9	A.								
			600mA dc			OCEANO 6	5									
						OCEANO 7	3	(0)								
SUP						OCEANO 8	1	~								
GESTED POWER	MID0020	24V	1500mA dc	24 W	IP67	OCEANO 5	23	*								
						OCEANO 6	11									
					21**	27 77	24 VV	IP6/	li o'i		24 W IPO7	24 W IFO1		OCEANO 7	10	
						OCEANO 8	3	4								
908	MID0021	DALI 24V 1000mA dc	1000m / de	dc 24W IP6	IP67	OCEANO 5	15	8								
						OCEANO 6	9	**								
			TOOOTHA UL			OCEANO 7	6									
						OCEANO 8	2	2								

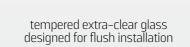


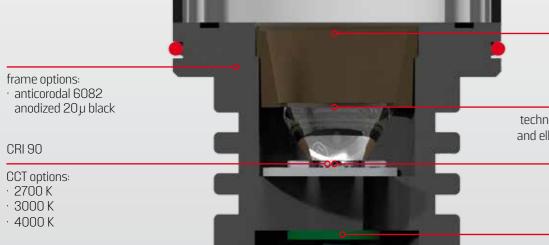




VITRUM

CONSTRUCTION FEATURES





idroSkud
Idroskud®

protection system

anti-glare optionals · honeycomb · louvre

technopolymer lens circular and elliptical optics available

recessed Led source for visual confort

24V constant voltage

protection rating IP66/68 IK08/10





VITRUM

FAMILY RANGE



VITRUM 1.0





VITRUM 2.0





VITRUM 3.0



ITALIAN DESIGN



















	family	
VIT	MIZAR VITE	RUM
	model	
01	VITRUM:	1
	CCT	
С	2700 K	
D	3000 K	

	CRI
F	4000 K

C	> 90
	heam annies

beam angles				
S	10°	V		
М	36°			
L	60°			
Ε	10°x53° ell.			

optionals

	•	
0	no one	
1	honeycomb	
1	honeycomb	•

glass finishing

00 black silkscreen

cable length

Α	0,4 m
С	1,5 m
Н	5 m
D	10 m
E	15 m

standard

variant

00

For correct code composition see instructions on page 151 of the catalogue or go to



61

VITRUM 1.0

Inground walk-over luminaire, suitable for outdoor and **underwater** use (IP66/IP68) with operating



temperature range: -20°C / +50°C. It's characterized by a tempered glass screen without a metal frame, transparent, with internal black silkscreen. The body is in black anodized anticorod The light source consists of a single 2W powered by 24Vdc constant voltage. The essential design makes it **ideal** as for elegant indoor and outdoor environr as for situations with high humidity (sp. The luminous flux up to 125 lm (3000) and 60° circular emission angles and 10 The source is set back for greater visua Different colour temperatures are available 2700K, 3000K, 4000K with CRI > 90. Vitrum 1.0 is equipped with the IdroSk protection of electronic components fro polarity reversal (protection) and water Optional anti-glare options (honeycoml accessories are provided (draining and outer case, plasterboard ring). The length of the electrical cable is 0.4r

on request: 1.5m, 5m, 10m, 15m.

4	
4	第 4
V	

power	2W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68
IK rating	IK 10
operating temperature	-20°C / +50°C
size	Ø 40 x 77 mm
light source flux	178 lm (3000K)
effective flux	up to 125 lm (3000K)
beam angles	circular 10° – 36° – 60° – elliptical 10° x 53°
ССТ	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam

lifetime	L80 B10 50.000 h
body	anticorodal 6082 black anodized 20 µ aluminium
screen	tempered extra-clear glass – 8 mm black printed
installation	with outer case
power cable	0,4 m H05RN - F 2X0,75 mm ²
electrical connection	parallel
weight	113 g
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY

dal aluminium. V power LED chip
a lighting fixture ments, as well oa, cellars). OK), with 10°, 36°. O°x 53° elliptical . al comfort.
cud® system for the om voltage spikes, infiltration. ab) and installation slim draining
m;

lifetime	L80 B10 50.000 h
body	anticorodal 6082 black anodized 20 µ aluminium
screen	tempered extra-clear glass – 8 mm black printed
installation	with outer case
power cable	0,4 m H05RN - F 2X0,75 mm²
electrical connection	parallel
weight	113 g
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY

	honeycomb	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS		

	draining outer case	slim draining outer case	plasterboard ring
	VITZZZ000	VITZZZ003	VITZZZ006
ACCESSORIES			
	mm Ø 87 x 125,5	mm Ø 60 x 104	under definition
	power supply for recommended models see page 72 of the catalogue		

10°	36°	60°	10° x 53°
00-5180 cd / 1000 lm 000-5270 150 180 130 120 90' 150 100 120' 90' 1200 1000 00' 1000 1000 00' 1000 1000 00' 1000	120	150 180 150 150 150 120 120 120 150 150 150 150 150 150 150 150 150 15	100 100 100 100 100 100 100 100 100 100

































PRODUCT CODE CONFIGURATION



family VIT MIZAR VITRUM model 01 VITRUM 1.1

CCT 2700 K D 3000 K F 4000 K

CRI

С > 90

beam angles **D** diffused

optionals

no one

glass finishing

01 black silkscreen

cable length

Α 0,4 m 1,5 m Н 5 m 10 m 15 m

variant

standard

00

For correct code composition see instructions on page 151 of the catalogue or go to



VITRUM 1.1

Inground walk-over luminaire, suitable for outdoor and underwater use (IP66/IP68) with operating temperature range: -20°C / +50°C. It's characterized by a **tempered glass screen** without a metal frame with internal opal, with internal black silkscreen.

The body is in black anodized anticorodal aluminium. The light source consists of a single 2W power LED chip powered by 24Vdc constant voltage.

The essential design makes it **ideal** as a lighting fixture for elegant indoor and outdoor environments, as well as for situations with high humidity (spa, cellars). The luminous flux up to 95 lm (3000K), with widespreads emission.

The source is set back for greater visual comfort. Different colour temperatures are available: 2700K, 3000K, 4000K with CRI > 90. Vitrum 1.1 is equipped with the IdroSkud® system for the protection of electronic components from voltage spikes, polarity reversal (protection) and water infiltration.

Optional for installation accessories are provided (draining and slim draining outer case, plasterboard ring). The length of the electrical cable is 0.4m; on request: 1.5m, 5m, 10m, 15m.

power	2W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68
IK rating	IK 10
operating temperature	-20°C / +50°C
size	Ø 40 x 77 mm
light source flux	178 lm (3000K)
effective flux	up to 95 lm (3000K)
beam angles	10° - 36° - 60° - elliptical 10° x 53°
ССТ	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam

lifetime	L80 B10 50.000 h
body	anticorodal 6082 black anodized 20 µ aluminium
screen	tempered extra-clear glass - 8 mm satin finish
installation	with outer case
power cable	0,4 m H05RN - F 2X0,75 mm ²
electrical connection	parallel
weight	113 g
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY



	draining outer case	slim draining outer case	plasterboard ring	
	VITZZZ000	VITZZZ003	VITZZZ006	
ACCESSORIES				
	mm Ø 87 x 125,5	mm Ø 60 x 104	under definition	
	power supply for recommended models see page 72 of the catalogue			











PHOTOMETRIES





diffused











honeycomb

draining

outer case

VITZZZ001

mm Ø 104 x 138

10°

OPTIONALS

ACCESSORIES









69

louvre

slim draining

outer case

VITZZZ004

mm Ø 80 x 116,5

power supply for recommended models see page 72 of the catalogue

87









•		
	family	
VIT	MIZAR VITRUM	
model		
02	VITRUM 2.0	
CCT		
C	2700 K	

F 4000 K

C

bearn angles		
S	10°	
М	25°	
L	40°	
Ε	10°x45° ell.	

optionals		
0	no one	
1	honevcomh	-

glass finishing		
2	louvre	
1	honeycomb	9

00

Α	0,4 m
С	1,5 m
Н	5 m
D	10 m
F	15 m



	family	
VIT	MIZAR VITE	RUM
	model	
02	VITRUM 2	.0
	CCT	
С	2700 K	
D	3000 K	
	40001/	

UNI
> 90

	beam angles	
S	10°	V
М	25°	V
L	40°	

0	no one	
1	honeycomb	
2	louvre	

|--|

	cable length
۸	0.4 m

Α	U,4 m
С	1,5 m
Н	5 m
D	10 m
Ε	15 m

	_		
va	ri:	٦r	٦ŧ
٧a	ш	αп	ı

00	standard

For correct code composition see instructions on page 151 of the catalogue or go to



65

VITRUM 2.0

Inground walk-over luminaire, suitable for outdoor and underwater use (IP66/IP68) with operating temperature range: -20°C / +50°C.

It's characterized by a **tempered glass screen without** a metal frame, transparent, with black silk-screened edge. The body is in black anodized anticorodal aluminium.

The light source consists of a single 3W power LED chip powered by 24Vdc constant voltage.

The essential design makes it **ideal** as a lighting fixture for elegant indoor and outdoor environments, as well as for situations with high humidity (spa, cellars). The luminous flux up to 165 Im (3000K), with 10° , 25° and 40° circular emission angles and 10°x 45° elliptical. The source is set back for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Vitrum 2.0 is equipped with the **IdroSkud®** system

for the protection of electronic components from voltage spikes, polarity reversal (protection) and water infiltration.

Optional anti-glare options (honeycomb and louvre) and installation accessories are provided (draining and slim draining outer case, plasterboard ring). The length of the electrical cable is 0.4m; on request: 1.5m, 5m, 10m, 15m.

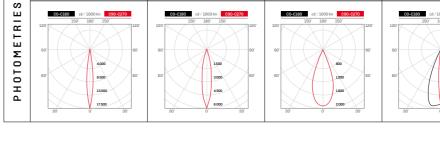
ower	3W – single chip Power Led	
owor cupply	24V constant voltage	

power	3W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68
IK rating	IK 10
operating temperature	-20°C / +50°C
size	Ø 60 x 87 mm
light source flux	236 lm (3000K)
effective flux	up to 165 lm (3000K)
beam angles	circular 10° – 25° – 40°; elliptical 10° x 45°
ССТ	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam

lifetime	L80 B10 50.000 h
body	anticorodal 6082 black anodized 20 µ aluminium
screen	tempered extra-clear glass – 10 mm black printed
installation	with outer case
power cable	0,4 m H05RN - F 2X0,75 mm ²
electrical connection	parallel
weight	278 g
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY

lifetime	L80 B10 50.000 h
body	anticorodal 6082 black anodized 20 µ aluminium
screen	tempered extra-clear glass – 10 mm black printed
installation	with outer case
power cable	0,4 m H05RN - F 2X0,75 mm ²
electrical connection	parallel
weight	278 g
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY





25°













40°





cable m 0.4, 1.5, 5, 10, 15

plasterboard

VITZZZ007

under definition

10° x 45°











 Φ_{e_O}







69

Ø 45

PHOTOMETRIES

87



PRODUCT CODE CONFIGURATION





	family		
VIT	MIZAR VITE	RUM	
	model		
02	VITRUM 2	2.1	
	CCT		
С	2700 K		
D	3000 K		

4000 K
CRI

C	> 90
	heam angles

	3
D	diffused

optionals

no one glass finishing

01 black silkscreen

cable length

Α	0,4 m
С	1,5 m
Н	5 m
D	10 m
Ε	15 m

	variant
00	standard

VITRUM 2.1

Inground walk-over luminaire, suitable for outdoor and underwater use (IP66/IP68) with operating temperature range: -20°C / +50°C. It's characterized by a **tempered glass screen** without a metal frame with satin finish.

The body is in black anodized anticorodal aluminium. The light source consists of a single 3W power LED chip powered by 24Vdc constant voltage.

The essential design makes it **ideal** as a lighting fixture for elegant indoor and outdoor environments, as well as for situations with high humidity (spa, cellars). The luminous flux up to 125 lm (3000K), with widespreads emission.

The source is set back for greater visual comfort. Different colour temperatures are available: 2700K, 3000K, 4000K with CRI > 90. Vitrum 2.1 is equipped with the **IdroSkud®** system for the protection of electronic components from voltage spikes, polarity reversal (protection) and water infiltration.

Optional for installation accessories are provided (draining and slim draining outer case, plasterboard ring). The length of the electrical cable is 0.4m; on request: 1.5m, 5m, 10m, 15m.

power	3W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68
IK rating	IK 10
operating temperature	-20°C / +50°C
size	Ø 60 x 93 mm
light source flux	236 lm (3000K)
effective flux	up to 125 lm (3000K)
beam angles	diffused
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam

lifetime	L80 B10 50.000 h
body	anticorodal 6082 black anodized 20 µ aluminium
screen	tempered extra-clear glass – 10 mm satin finish
installation	with outer case
power cable	H05RN - F 2X0,75 mm ²
electrical connection	parallel
weight	278 g
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY



















diffused



For correct code composition see instructions on page 151 of the catalogue or go to

67



















power	7W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68
IK rating	IK 10
operating temperature	-20°C / +50°C
size	Ø85x108mm
light source flux	380 lm (3000K)
effective flux	up to 316 lm (3000K)
beam angles	circular 5° – 20° – 60°; elliptical 15° x 60°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam

VITRUM 3.0

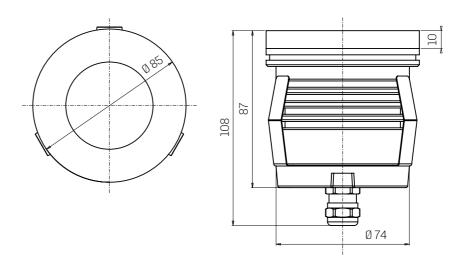
Inground walk-over luminaire, suitable for outdoor and **underwater** use (IP66/IP68) with operating temperature range: -20°C / +50°C. It's characterized by a **tempered glass screen without** a metal frame, transparent, with black silk-screened edge. The body is in black anodized anticorodal aluminium. The light source consists of a single 7W power LED chip powered by 24Vdc constant voltage. The essential design makes it **ideal** as a lighting fixture for elegant indoor and outdoor environments, as well as for situations with high humidity (spa, cellars). The luminous flux up to **316 lm** (3000K), with 5° , 20° and 60° circular emission angles and 15°x 60° elliptical. The source is set back for greater visual comfort. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Vitrum 3.0 is equipped with the **IdroSkud**® system for the protection of electronic components from voltage spikes, polarity reversal (protection) and water infiltration. Optional anti-glare options (honeycomb and louvre) and installation accessories are provided

(draining and slim draining outer case, plasterboard ring).

The length of the electrical cable is 0.4m;

on request: 1.5m, 5m, 10m, 15m.

lifetime	L80 B10 50.000 h
body	anticorodal 6082 black anodized 20 µ aluminium
screen	tempered extra-clear glass – 10 mm black printed
installation	with outer case
power cable	0,4 m H05RN - F 2X0,75 mm²
electrical connection	parallel
weight	632 g
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY



	honeycomb	louvre	cable m 0.4, 1.5, 5, 10, 15
OPTIONALS			

	draining outer case	slim draining outer case	plasterboard ring
	VITZZZ002	VITZZZ005	VITZZZ008
ACCESSORIES			
	mm Ø 140 x 158	mm Ø 100 x 148,3	under definition
	for recom	power supply mended models see page 72 of th	ne catalogue

5°	20°	60°	15° x 60°
C	120 120 120 120 120 120 120 120 120 120	120	120

















VITRUM 3.0

PRODUCT CODE CONFIGURATION



	family	
VIT	MIZAR VITI	RUM
model		
03	VITRUM 3	3.0
CCT		
С	2700 K	
D	3000 K	

	CRI
C	> 90

4000 K

	nealli aligies	
S	5°	V
М	20°	
L	60°	
Ε	15°x60° ell.	

ı			
		optionals	
	0	no one	
	1	honeycomb	
	2	louvre	

	glass finishing)
2	louvre	
1	honeycomb	

00	black silkscreen
	cable length
Α	0,4 m
С	1,5 m
Н	5 m
D	10 m

Ε	15 m
	variant
nn	standard

For correct code composition see instructions on page 151 of the catalogue or go to

















PRODUCT CODE CONFIGURATION





family				
VIT	MIZAR VITE	RUM		
model				
03	VITRUM 3.1			
CCT				
С	2700 K			
D	3000 K			
F	4000 K			
	001			

	CRI
`	> Q D

C beam angles

D diffused

optionals no one

glass finishing

01 black silkscreen

cable length

Α	0,4 m
С	1,5 m
Н	5 m
D	10 m
Е	15 m

variant

00 standard

VITRUM 3.1

Inground walk-over luminaire, suitable for outdoor and underwater use (IP66/IP68) with operating temperature range: -20°C / +50°C. It's characterized by a **tempered glass screen** without a metal frame with satin finish.

The body is in black anodized anticorodal aluminium. The light source consists of a single 7W power LED chip powered by 24Vdc constant voltage.

The essential design makes it **ideal** as a lighting fixture for elegant indoor and outdoor environments, as well as for situations with high humidity (spa, cellars). The luminous flux up to 290 lm (3000K), with widespreads emission.

The source is set back for greater visual comfort. Different colour temperatures are available: 2700K, 3000K, 4000K with CRI > 90. Vitrum 3.1 is equipped with the **IdroSkud®** system for the protection of electronic components ge spikes, polarity reversal (protection) infiltration.

r installation accessories are provided nd slim draining outer case, plasterboard ring). of the electrical cable is 0.4m; : 1.5m, 5m, 10m, 15m.

ioi trie prote
from voltag
and water in
Optional for
(draining an
The length
on request:

power	7W – single chip Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP68
IK rating	IK10
operating temperature	-20°C / +50°C
size	Ø85×108 mm
light source flux	380 lm (3000K)
effective flux	up to 290 lm (3000K)
beam angles	diffused
ССТ	2700K - 3000K - 4000K
CRI	> 90
BIN selection	2 Step MacAdam

lifetime	L80 B10 50.000 h
body	anticorodal 6082 black anodized 20 µ aluminium
screen	tempered extra-clear glass - 10 mm satin finish
installation	with outer case
power cable	H05RN - F 2X0,75 mm ²
electrical connection	parallel
weight	632 g
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY













PHOTOMETRIES



074





diffused



For correct code composition see instructions on page 151 of the catalogue or go to

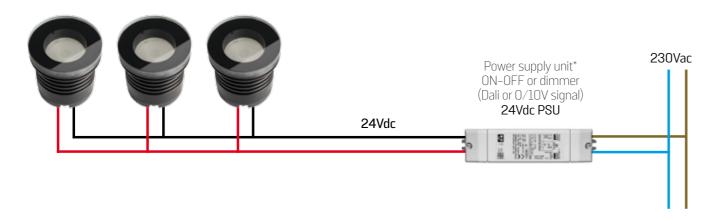


VITRUM

PARALLEL ELECTRICAL CONNECTION

ON-OFF OR DIMMER SYSTEM (DALI OR O-10V SIGNAL)

All lights are signed for parallel connection with ON-OFF or dimmer power supply units



* The power supply unit must have sufficient power to supply the number of lights in the circuit plus a tolerance of 30% to handle the inrush current

	code	OUT tension	output max	W max	IP	supported spotlight model	number of spotlights												
UPPLY	MID0019 24V				VITRUM 1.0 - 1.1	5													
		24V	600mA dc	14,4 W	14,4 W	14,4 W	14,4 W	14,4 W	IP67	VITRUM 2.0 - 2.1	3								
R S						VITRUM 3.0 - 3.1	1												
SUGGESTED POWE	MID0020 24V		24V 1500mA dc	24 W		VITRUM 1.0 - 1.1	11												
		24V			24 W IP6	24 W	24 W	24 W	24 W IP67	24 W IP6	24 W IP	24 W IP6	24 W	IP67	VITRUM 2.0 - 2.1	10	S II		
													VITRUM 3.0 - 3.1	3					
	MID0021								VITRUM 1.0 - 1.1	9									
		00021 DALI 24V 1000mA dc 2	1000mA dc	1000mA dc	ALI 24V 1000mA dc	DALI 24V 1000mA dc 24 W IP67 VITRUM 2.0 - 2.1	24 W IP67	24 W IP	VITRUM 2.0 - 2.1	6	9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								

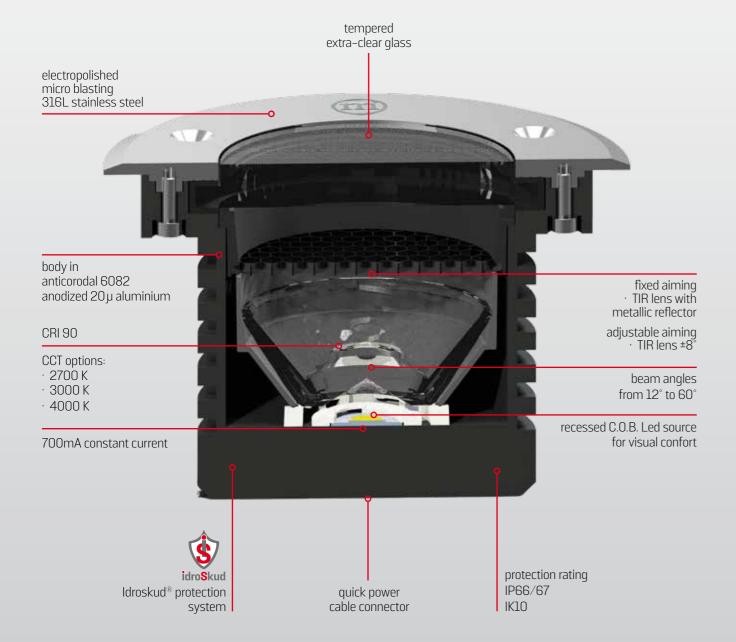






ACUS

CONSTRUCTION FEATURES





ACUS FAMILY RANGE



ITALIAN DESIGN















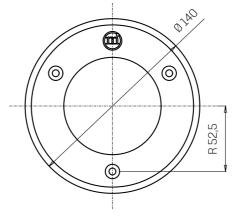
ACUS 1.0

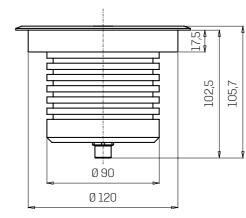
Inground luminaire, drive-over, suitable for outdoor use (IP66/IP67), with an operating temperature range of -20°C / +50°C.

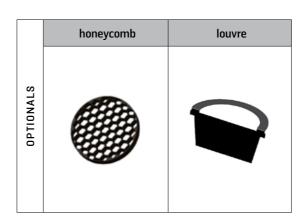
To reduce weight and ensure resistance to wear, the body is made of **aluminium** and the round ring nut of **steel**. The light source consists of C.O.B LEDs supplied with constant current, max. 700mA, for a maximum power of **25W**. The luminous flux up to 2005 lm (3000K) makes it ideal for marking pedestrian and vehicle **paths** or illuminating façades and architectural details thanks to the optics with TIR lens and beam angles: 14°, 25°, 40°. The source is recessed for greater visual comfort. Light **colour temperature** available in variants: 2700K, 3000K, 4000K with CRI > 90. Acus 1.0 is equipped with the IdroSkud® system to protect electronic components from voltage spikes, polarity reversal and water infiltration. Options for anti-glare (honeycomb and louvre) and installation accessories (drive-over outer case) are provide.

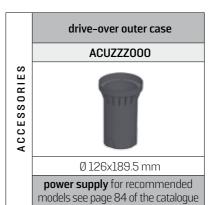
25W - C.O.B. Leds
700mA constant current
III class
IP66 / IP67
IK 10
-20°C / +50°C
Ø 140 x 106 mm
2652 lm (3000K)
up to 2005 lm (3000K)
TIR lens
14° - 35° - 55°
2700K - 3000K - 4000K
> 90
3 Step MacAdam

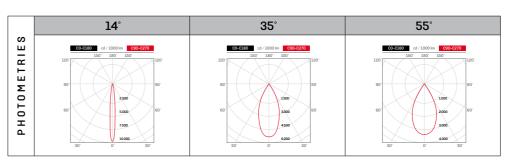
lifetime	L80 B10 50.000 h
body materials	anticorodal 6082 black anodized aluminium
frame materials	electropolished shot peened 316L stainless steel
screen	tempered extra-clear glass 12 mm thick
installation	with outer case
power cable	connection via quick connector supplied
electrical connection	serial conncection
weight	1325 g
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY





























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ACUS 1.0

PROCUCT CODE CONFIGURATION



	family	
ACU	MIZAR AC	US
	model	
00	ACUS 1.0)
CCT		
С	2700 K	
D	3000 K	
F	4000 K	
	CRI	

	CKI	
С	> 90	
	beam angles	
S	14°	Y
М	35°	$\overline{}$
L	55°	

	optionals	
0	no one	
2	honeycomb	
3	louvre	0

_	Horicycorrib	4335	
3	louvre		
frame finishing			
00	stainless st	teel	
	aabla lanath		

cable length		
Z	connector	
variant		
00	standard	

(m)













ACUS 1.1

PROCUCT CODE CONFIGURATION



	family	
ACU	MIZAR AC	US
model		
01	ACUS 1.	1
CCT		
С	2700 K	
D	3000 K	
F	4000 K	

CRI С > 90

beam angles			
S	12°	V	
М	25°	V	
1	4∩°		

60°

W

00

optionals		
0	no one	
2	honeycomb	
3	louvre	0

frame finishing

00	stainless steel	
	cable length	

Ζ connector variant

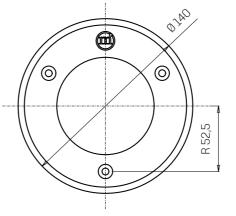
standard

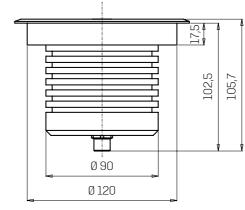
ACUS 1.1

Inground luminaire, drive-over, suitable for outdoor use (IP66/IP67), with an operating temperature range of -20°C / +50°C.

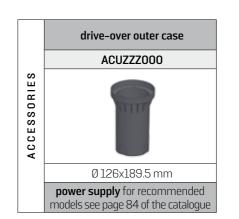
To reduce weight and ensure resistance to wear, the body is made of **aluminium** and the round frame of **steel**. The light source consists of C.O.B LEDs supplied with Constant current, max. 700mA, for a maximum power of 25W. The luminous flux up to 2165 lm (3000K) makes it ideal for marking pedestrian and vehicle paths or illuminating façades and architectural details thanks to the optics with reflector and beam angles: 12°, 25°, 40°, 60°. The source is recessed for greater visual comfort. Light **colour temperature** available in variants: 2700K, 3000K, 4000K with CRI > 90. Acus 1.1 is equipped with the **IdroSkud®** system to protect electronic components from voltage spikes, polarity reversal and water infiltration. Options for anti-glare (honeycomb and louver) and installation accessories (drive-over outer case) are provided.

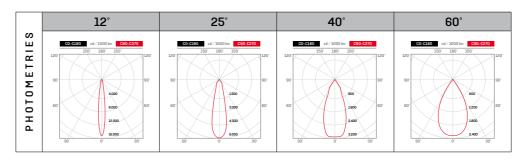
L80 B10 50.000 h	
anticorodal 6082 black anodized aluminium	
electropolished shot peened 316L stainless steel	
tempered extra-clear glass 12 mm thick	
with outer case	
connection via quick connector supplied	
serial conncection	
1300 g	
ldroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection	
ITALY	





	honeycomb	louvre
OPTIONALS		



















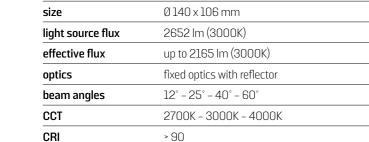




For correct code composition see instructions on page 151 of the catalogue or go to



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3 Step MacAdam

25W - C.O.B. Leds

III class

IK 10

IP66 / IP67

-20°C / +50°C

700mA constant current

power

IP rating

IK rating

BIN selection

power supply

insulation class

operating temperature

















ACUS 2.0

	family	
ACU	MIZAR AC	US
	model	
02	ACUS 2.	0
CCT		
С	2700 K	
D	3000 K	
F	4000 K	

CRI

C	> 90
	heam angles

	_	
S	15°	V
М	26°	
L	60°	

_	00			
optionals				
0	no one			
2	honeycomb			

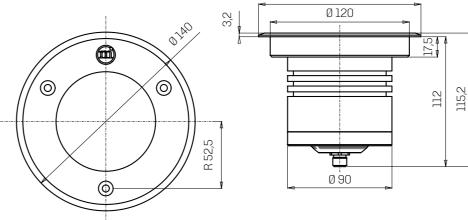
frame finishing		
00	stainless steel	
	cable length	

variant 00

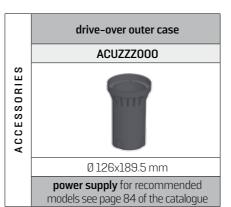
connector

standard

Z



honeycomb OPTIONALS







	15°	26°	60°
PHOTOMETRIES	1207 1807 1807 1307 1207 1207 1207 1207 1207 1207 1207 12	150 180 150 120 120 120 120 120 120 120 120 120 12	200-2100 201/1000 201/1000 1207



















For correct code composition see instructions on page 151 of the catalogue or go to

83





power	13W - C.O.B. Leds
power supply	700mA constant current
insulation class	III class
IP rating	IP66 / IP67
IK rating	IK 10
operating temperature	-20°C / +50°C
size	Ø 140 x 106 mm
light source flux	1313 lm (3000K)
effective flux	up to 980 lm (3000K)
optics	±8° tiltable TIR lens
beam angles	15° - 26° - 60°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	3 Step MacAdam

L80 B10 50.000 h
anticorodal 6082 black anodized aluminium
electropolished shot peened 316L stainless steel
tempered extra-clear glass 12 mm thick
with outer case
connection via quick connector supplied
serial conncection
1650 g
IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
ITALY

ACUS 2.0

range of **-20°C / +50°C**.

power of 13W.

Inground luminaire, **drive-over**, suitable for **outdoor** use (IP66/IP67), with an operating temperature

is made of **aluminium** and the round frame of **steel**. The light source consists of C.O.B LEDs supplied with constant current, max. 700mA, for a maximum

To reduce weight and ensure resistance to wear, the body

The luminous flux up to 980 lm (3000K) makes it ideal

for marking pedestrian and vehicle **paths** or illuminating façades and architectural details thanks to optics with ±8° adjustable TIR lens and beam angles: 15°, 26°,60°. The source is recessed for greater visual comfort.

Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90.

polarity reversal and water infiltration.

Acus 2.0 is equipped with the IdroSkud® system

to protect electronic components from voltage spikes,

Options for anti–glare (honeycomb) and installation

accessories (drive-over outer case) are provide.











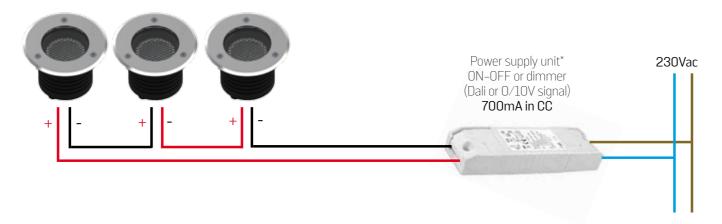


ACUS

IN-SERIES ELECTRICAL CONNECTION

ON-OFF OR DIMMER SYSTEM (DALI OR O-10V SIGNAL)

All lights are signed for in-series connection with ON-OFF or dimmer power supply units



 * The power supply unit must have sufficient power to supply the number of lights in the circuit plus a tolerance of 30% to handle the inrush current

	code	OUT tension	output max	W max	IP	supported spotlight model	number of spotlights								
	MID0022	11D0022 5-44V 700mA	700 4	30 W	V IP20	00.11	ACUS 1.0 - 1.1	1	199						
			TOOMA			ACUS 2.0	2	0)							
SUPPLY	MIDOOSA	D0024 25-85V 350-700mA	050.700	15/70 W	IP20	ACUS 1.0 - 1.1	2	10000							
<u>~</u>	МІДОО24		330-700ITIA			ACUS 2.0	4								
P 0 W E	MID0025	10-54V DALI-nfc 150-1050mA	150 1050 4	1.5/38 W	IP20	ACUS 1.0 - 1.1	1	All so							
SUGGESTED			1.0/ 00 W		1.07 00 **	1.0/ 00 **	1.0/00 W	IPZU	J/ JO W 1F20	37 30 W 11 20	ACUS 2.0	2			
	MID0026	D0026 10-50 V 700 mA 15/70 W	700 mA	15/70 W	15/70 W	15/70 W	15/70 W	A 15/70 W	15/70 W	15/70 W	15 /70 W ID00	IP68	ACUS 1.0 - 1.1	1	
			10/10 W IP								19/ (U W	19/ (U W	79/ (N M	T9\\(1) M	13/70 W 1F00
		2-49V 700 4	1,00,14	IDOG		ACUS 1.0 - 1.1	1								
	MID0027	DALI	700 mA	1/30 W	IP68	ACUS 2.0	2								

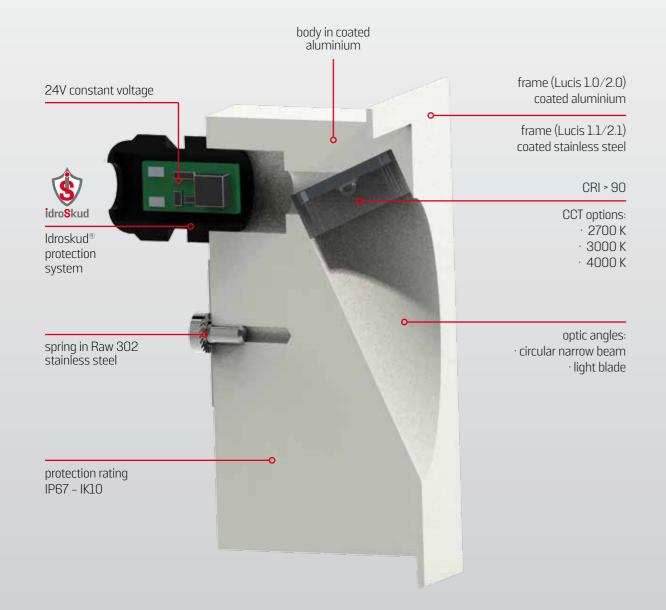






LUCIS

CONSTRUCTION FEATURES





LUCIS FAMILY RANGE





ITALIAN DESIGN

















power	2W – single Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP67
IK rating	IK 10
operating temperature	-20°C/+50°C
size	30 x 74 x 50 mm
light source flux	175 lm (3000K)
effective flux	up to 25 lm (3000K)
beam angles	circular narrow beam
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	3 Step MacAdam
lifetime	L80 B10 50.000 h

LUCIS 1.0

Wall-recessed fixture, suitable for **outdoor** use (IP66/IP67), with a wide operating temperature range: **-20°C** / **+50°C**. The body is made of **aluminium** protected by an epoxy polyester paint that guarantees a corrosion resistance of 1500 hours in salt spray. Four finishes are available: white RAL9003,

black RAL9005, anthracite RAL7016 and CORTEN. The light source consists of a single **2W** power LED chip powered at 24V constant voltage.

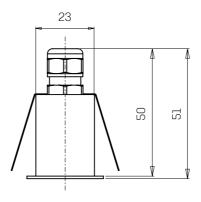
The rectangular frame has an oval opening for a circular diffuse light beam oriented towards the floor.

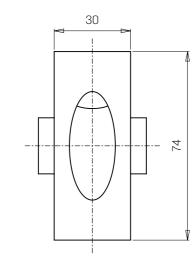
The luminous flux up to **25 lm** (3000K) and the design make it **ideal** as a marker light for footpaths or stairways. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90.

Lucis 1.0 is equipped with the **IdroSkud®** system to protect electronic components from voltage spikes, polarity reversal and water infiltration.

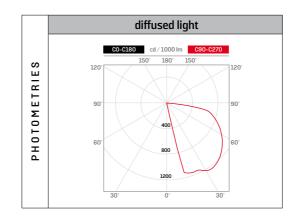
Installation accessories (wall outer case and external wall insulation outer case) are provided.

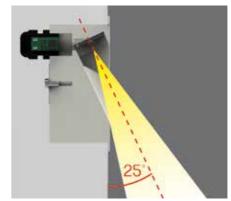
aluminium anticorodal 6082
first coat with protective primer followed by epoxy polyester for corrosion resistance guaranteeing 1500h in salt spray
- white RAL9003 - black RAL9005 - anthracite RAL7016 - CORTEN
302 stainless steel raw
with outer case
0,4 m FR5F0EM7 - AD8 2X0.5 mm ²
parallel
135 g
IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
ITALY





	wall outer case	external wall insulation outer case	
	LUCZZZ000	LUCZZZO01	
ACCESSORIES			
	29x68x72 mm	29x68x72 mm with flaps	
	power supply for recommended models see page 98 of the catalogue		























For correct code composition see instructions on page 151 of the catalogue or go to

LUCIS 1.0

PRODUCT CODE CONFIGURATION



	family	
LUC	MIZAR LUI	CIS
	model	
00	LUCIS 1.0)
	CCT	
С	2700 K	
D	3000 K	

	CCT	
С	2700 K	
D	3000 K	
F	4000 K	
	CRI	
С	> 90	

	-	
С	> 90	
	beam angles	
Z	no one	
	optionals	
0	no one	

finishing						
WO	white RAL9003					
В0	black RAL9005					
CT	CORTEN					
GO	anthracite RAL7016					

CT CORTEN			
GO	anthracite RAL7016		
cable length			
Α	A 0,4m		
variant			
00	standard		

















power	2W – single Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP67
IK rating	IK 10
operating temperature	-20°C / +50°C
size	30 x 74 x 50 mm
light source flux	175 lm (3000K)
effective flux	up to 20 lm (3000K)
beam angles	light blade
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	3 Step MacAdam
lifetime	L80 B10 50.000 h

LUCIS 1.1

Wall-recessed fixture, suitable for **outdoor** use (IP66/IP67), with a wide operating temperature range: -20°C / +50°C. The body is made of **aluminium** protected by an epoxy polyester paint that guarantees a corrosion resistance of 1500 hours in salt spray. Four finishes are available: white RAL9003,

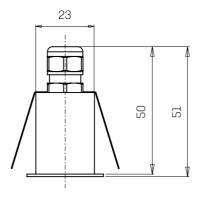
black RAL9005, anthracite RAL7016 and CORTEN. The light source consists of a single **2W** power LED chip powered at 24V constant voltage.

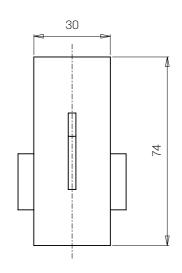
The rectangular frame has a blade-shaped opening for a linear diffuse light beam oriented towards the floor. The luminous flux up to **20 lm** (3000K) and the design make it **ideal** as a marker light for footpaths or stairways. Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90.

Lucis 1.1 is equipped with the **IdroSkud®** system to protect electronic components from voltage spikes, polarity reversal and water infiltration. Installation accessories (wall outer case and external wall

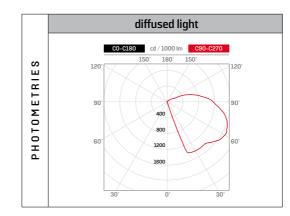
insulation outer case) are provided.

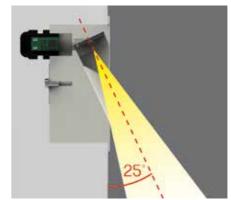
body materials frame materials	aluminium anticorodal 6082 316L stainless steel	
finishing	first coat with protective primer followed by epoxy polyester for corrosion resistance guaranteeing 1500h in salt spray	
colours	- white RAL9003 - black RAL9005 - anthracite RAL7016 - CORTEN	
spring	302 stainless steel raw	
mounting	with outer case	
power cable	0,4 m FR5F0EM7 - AD8 2X0.5 mm ²	
electrical connection	parallel	
weight	169 g	
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection	
Made in	ITALY	





	wall outer case	external wall insulation outer case	
	LUCZZZ000	LUCZZZO01	
ACCESSORIES			
	29x68x72 mm	29x68x72 mm with flaps	
	power supply for recommended models see page 98 of the catalogue		





















LUCIS 1.1

PRODUCT CODE CONFIGURATION



	family	
LUC	MIZAR LUI	CIS
model		
01	LUCIS 1.1	
	CCT	
С	2700 K	
D	3000 K	
F	4000 K	
	CRI	

•	100010		
CRI			
C > 90			
beam angles			
Z	no one		
optionals			
0	no one		

finishing			
WO	white RAL9003		
В0	black RAL9005		
CT	CORTEN		
GO	anthracite RAL7016		
cable length			

CT	CT CORTEN		
GO	anthracite RAL7016		
cable length			
Α	0,4m		
variant			
00	standard		
	•		

For correct code composition see instructions on page 151 of the catalogue or go to

































CORTEN

power	2W – single Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP67
IK rating	IK 10
operating temperature	-20°C / +50°C
size	44 x 95 x 50 mm
light source flux	175 lm (3000K)
effective flux	up to 25 lm (3000K)
beam angles	circular narrow beam
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	3 Step MacAdam
lifetime	L80 B10 50.000 h

LUCIS 2.0

Wall-recessed fixture, suitable for **outdoor** use (IP66/IP67), with a wide operating temperature range: -20°C / +50°C. The body is made of **aluminium** protected by an epoxy polyester paint that guarantees a corrosion resistance of 1500 hours in salt spray. Four finishes are available: white RAL9003,

black RAL9005, anthracite RAL7016 and CORTEN. The light source consists of a single **2W** power LED chip powered at 24V constant voltage.

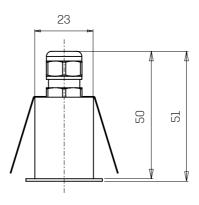
The oval frame has an oval opening for a circular diffuse light beam oriented towards the floor.

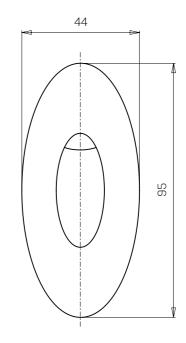
The luminous flux up to **25 lm** (3000K) and the design make it **ideal** as a marker light for footpaths or stairways. Different **colour temperatures** are available:

2700K, 3000K, 4000K with CRI > 90. Lucis 2.0 is equipped with the **IdroSkud®** system to protect electronic components from voltage spikes, polarity reversal and water infiltration.

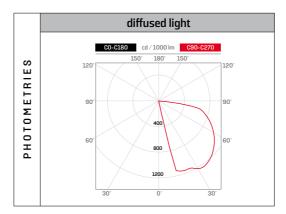
Installation accessories (wall outer case and external wall insulation outer case) are provided.

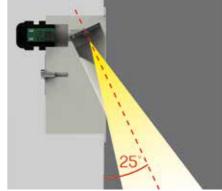
body materials	aluminium anticorodal 6082	
finishing	first coat with protective primer followed by epoxy polyester for corrosion resistance guaranteeing 1500h in salt spray	
colours	– white RAL9003 – black RAL9005 – anthracite RAL7016 – CORTEN	
spring	302 stainless steel raw	
mounting	ng with outer case	
power cable	0,4 m FR5F0EM7 - AD8 2X0.5 mm ²	
electrical connection	parallel	
weight	147 g	
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection	
Made in	ITALY	





	wall outer case	external wall insulation outer case	
	LUCZZZ000	LUCZZZO01	
ACCESSORIES			
	29x68x72 mm	29x68x72 mm with flaps	
	power supply for recommended models see page 98 of the catalogue		



















LUCIS 2.0

PRODUCT CODE CONFIGURATION



family			
LUC	LUC MIZAR LUCIS		
	model		
02	02 LUCIS 2.0		
CCT			
С	2700 K		
D	3000 K		
F	4000 K		
CRI			
С	> 90		
beam angles			

optionals					
0	no one				
	finishing				
W0	white RAL9	003			
В0	black RAL9	005			
СТ	CORTEN	1			
00	anthracita DAI	7010			

no one

CT	CORTEN					
G0	anthracite RAL7016					
	cable length					
Α	0,4m					
variant						
00	standard					

For correct code composition see instructions on page 151 of the catalogue or go to www.mizar.it



















power	2W – single Power Led
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP67
IK rating	IK 10
operating temperature	-20°C / +50°C
size	44 x 95 x 53,5 mm
light source flux	175 lm (3000K)
effective flux	up to 20 lm (3000K)
beam angles	light blade
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	3 Step MacAdam
lifetime	L80 B10 50.000 h

LUCIS 2.1

Wall-recessed fixture, suitable for **outdoor** use (IP66/IP67), with a wide operating temperature range: **-20°C** / **+50°C**. The body is made of **aluminium** protected by an epoxy polyester paint that guarantees a corrosion resistance of 1500 hours in salt spray. Four finishes are available: white RAL9003, black RAL9005, anthracite RAL7016 and CORTEN. The light source consists of a single **2W** power LED chip

powered at 24V constant voltage.

The oval frame has a blade-shaped opening for a linear diffuse light beam oriented towards the floor.

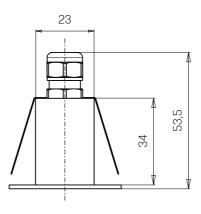
The luminous flux up to **20 lm** (3000K) and the design make it **ideal** as a marker light for footpaths or stairways. Different **colour temperatures** are available:

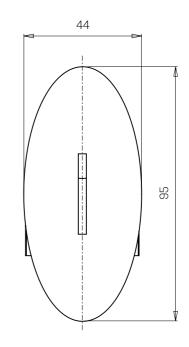
Lucis 2.1 is equipped with the **IdroSkud®** system to protect electronic components from voltage spikes, polarity reversal and water infiltration.

2700K, 3000K, 4000K with CRI > 90.

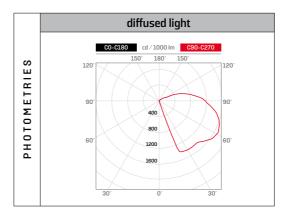
Installation accessories (wall outer case and external wall insulation outer case) are provided.

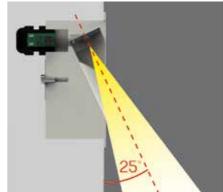
body materials frame materials	aluminium anticorodal 6082 316L stainless steel
finishing	first coat with protective primer followed by epoxy polyester for corrosion resistance guaranteeing 1500h in salt spray
colours	- white RAL9003 - black RAL9005 - anthracite RAL7016 - CORTEN
spring	302 stainless steel raw
mounting	with outer case
power cable	0,4 m FR5F0EM7 - AD8 2X0.5 mm ²
electrical connection	parallel
weight	185 g
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
Made in	ITALY





	wall outer case	external wall insulation outer case				
	LUCZZZ000	LUCZZZO01				
ACCESSORIES						
	29x68x72 mm	29x68x72 mm with flaps				
	power supply for recommended models see page 98 of the catalogue					



















LUCIS 2.1

PRODUCT CODE CONFIGURATION



	family				
LUC	MIZAR LU	CIS			
	model				
03	LUCIS 2.1				
CCT					
С	2700 K				
D	3000 K				
F	4000 K				
CRI					
С	> 90				
beam angles					

С	> 90			
beam angles				
Z	no one			
optionals				
0	no one			
Catalata				

finishing				
W0 white RAL9003				
BO black RAL9005				
CT CORTEN				
GO anthracite RAL7016				
cable length				

ВО	DIACK NALOUUS			
CT	CORTEN			
GO	anthracite RAL7016			
cable length				
Α	0,4m			
variant				
00	standard			

For correct code composition see instructions on page 151 of the catalogue or go to www.mizar.it



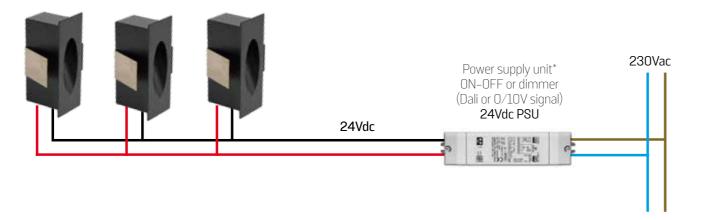


LUCIS

PARALLEL ELECTRICAL CONNECTION

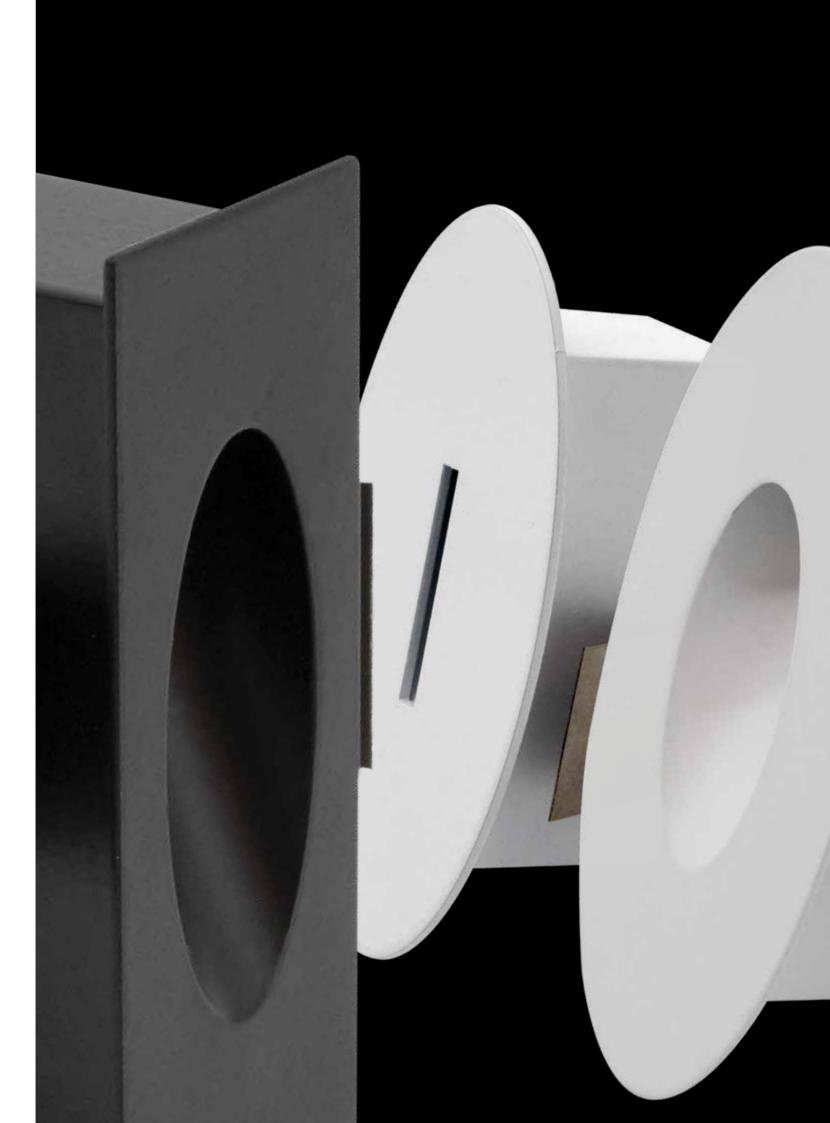
ON-OFF OR DIMMER SYSTEM (DALI OR O-10V SIGNAL)

All lights are signed for parallel connection with ON-OFF or dimmer power supply units



 * The power supply unit must have sufficient power to supply the number of lights in the circuit plus a tolerance of 30% to handle the inrush current

>	code	OUT tension	output max	W max	IP	supported spotlight model	number of spotlights	
ER SUPPL'	MID0019	24V	600mA dc	14,4 W	IP67	LUCIS 1.0 - 1.1 - 2.0 - 2.1	5	
STED POW	MID0020	24V	1500mA dc	24 W	IP67	LUCIS 1.0 - 1.1 - 2.0 - 2.1	11	
SUGGE	MID0021	DALI 24V	1000mA dc	24 W	IP67	LUCIS 1.0 - 1.1 - 2.0 - 2.1	9	A STATE OF THE PARTY OF THE PAR



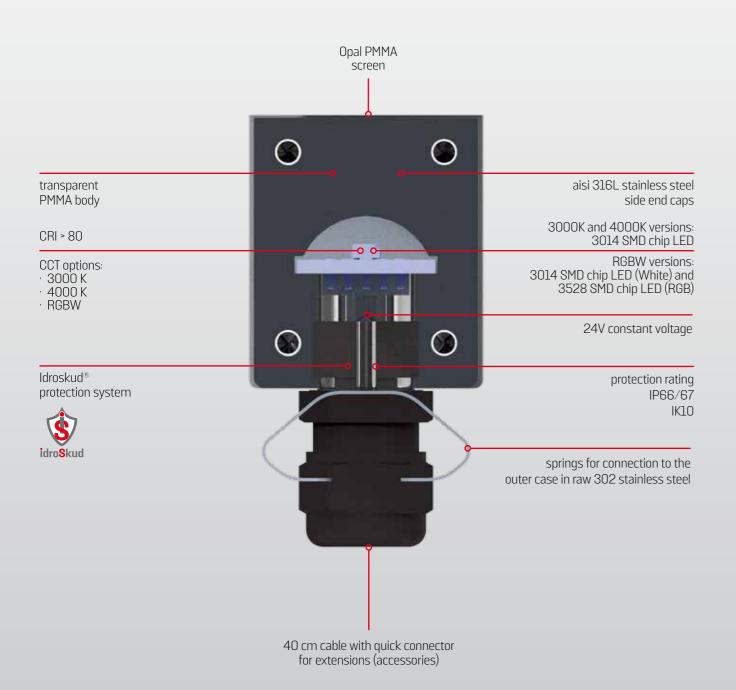


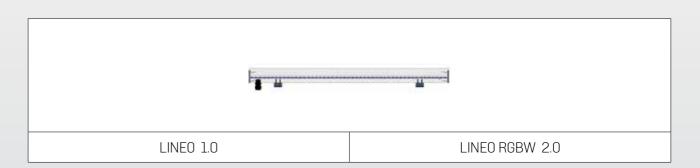


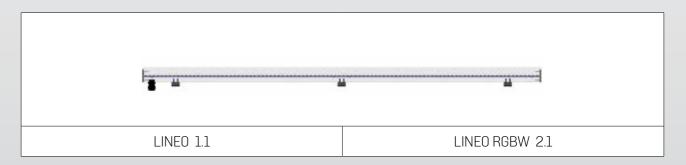
LINEO CONSTRUCTION FEATURES

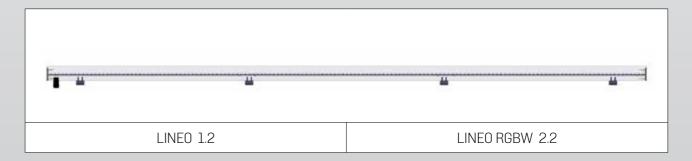


LINEO FAMILY RANGE









ITALIAN DESIGN







27

18







510 / 1010 / 1510



luce diffusa

PHOTOMETRIES



(3)	(2)
(n	n)
(8)	(3)

ramily					
LNE	MIZAR LINEO				
	model				
00	LINE0 - 510 mm				
01	LINE0 - 1010 mm				
02	LINE0 - 1510 mm				
CCT					
D	3000 K				
F	4000 K				
CRI					
В	> 80				
beam angles					
K	diffused				
	optionals				
0	nessuno				



finishing 00 opale cable length Α $0.4 \, \mathrm{m}$ variant 00 standard

For correct code composition see instructions on page 151 of the catalogue or go to



105

LINEO 1.0 | 1.1 | 1.2

Linear ingrounds luminaire, **drive-over**, suitable for **outdoor** environments (IP66/IP67), with operating temperature range: -20°C / +50°C.

The body is in **PMMA**, transparent and opal on the upper side; the end caps are made of 316L stainless steel. The light source consists of 6/12/18W SMD3014 LEDs, according to the length of the luminaire, powered at 24V constant voltage.

The luminous flux up to **160/320/485 lm** (3000K) makes it **ideal** for **marking** out walkways and driveways, or create luminous cuts on walls and ceilings.

The **colour temperature** available in the variants: 3000K, 4000K.

Lineo is equipped with the **IdroSkud®** system for the protection of electronic components from voltage spikes, polarity reversal and water infiltration. Accessories are provided for the installation (ground outer case and for plasterboard; extension cables up to 15 m).

power	6 / 12 / 18 W - Chip Led SMD 3014
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP67
IK rating	IK 10
operating temperature	-20°C/+50°C
size	27 x 49 x 510 / 1010 / 1510 mm
light source flux	804 / 1610 / 2400 lm (3000K)
effective flux	up to 160 / 320 / 485 lm (3000K)
beam angles	diffused
CCT	3000K - 4000K
CRI	> 80
BIN selection	3 Step MacAdam

lifetime	L80 B10 50.000 h
body materials	transparent PMMA
screen	opal PMMA
side heads	aisi 316L steinless steel
seal	transparent silicone
installation	with outer case
power cable	0.4 m with fast connector
electrical connection	parallel
weight	550 / 1000 / 1470 g
protection system	ldroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY

lifetime	L80 B10 50.000 h
body materials	transparent PMMA
screen	opal PMMA
side heads	aisi 316L steinless steel
seal	transparent silicone
installation	with outer case
power cable	0.4 m with fast connector
electrical connection	parallel
weight	550 / 1000 / 1470 g
protection system	ldroSkud [®] System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY





































LINEO RGBW 2.0 | 2.1 | 2.2

Linear ingrounds luminaire, drive-over, suitable for outdoor environments (IP66/IP67), with operating temperature range: -20°C / +50°C.

The body is in **PMMA**, transparent and opal on the upper side; the heads is made with 316L stainless steel.

The light source consists of LEDs chip SMD3014 (4000K) and an SMD3528 Led (RGB) with a power of 12/24/36W, according to the length of the luminaire, powered at 24V constant voltage.

The luminous flux in various colour tones makes it **ideal** for **marking** out walkwaysand driveways, or create luminous cuts on walls and ceilings.

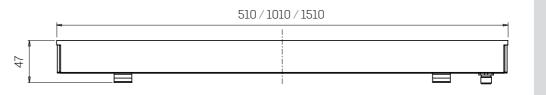
The **colour temperature** in White mode is 4000K; RGB tones are adjustable via an App on a smartphone if the recommended control unit is used.

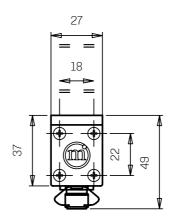
Lineo is equipped with the **IdroSkud®** system for the protection of electronic components from voltage spikes, polarity reversal and water infiltration.

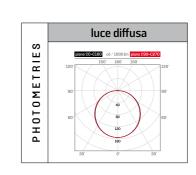
Accessories are provided for the installation (ground outer case and for plasterboard; extension cables up to 15 m).

power	12/24/36 W – chip Led SMD3014 (White) and chip Led SMD3528 (RGB)
power supply	24V constant voltage
insulation class	III class
IP rating	IP66 / IP67
IK rating	IK 10
operating temperature	-20°C / +50°C
size	27 x 49 x 510 / 1010 / 1510 mm
light source flux	423 / 846 / 1269 lm (4000K) 99 / 198 / 297 lm (R red) 337 /674 / 1011 lm (G green) 79 /158 / 237 lm (B blue)
effective flux	up to 85 / 170 / 250 lm (4000K) up to 20 / 46 / 70 lm (R red) up to 70 /135 / 203 lm (G green) up to 18 /32 / 48 lm (B blue)
beam angles	diffused
lifetime	L80 B10 50.000 h

ССТ	RGBW (4000K)
CRI	> 80
BIN selection	3 step MacAdam
body materials	transparent PMMA
screen	opal PMMA
side heads	aisi 316L steinless steel
seal transparent silicone	
installation	with outer case
power cable 0.4 m with fast connector	
electrical connection	parallel
weight	615 / 975 / 1320 g
protection system	IdroSkud® System _ polarity reversal protection _ voltage spikes protection _ water infiltration protection
made in	ITALY







	PC wall outer case	PC plasterboard outer case	fixing bracket outer case	5-pole extension cable
	LNEZZZ000	LNEZZZ003		LNEZZZ012 (0,5 m)
	(511 mm)	(511 mm)	LNEZZZO24	LNEZZZ013 (1 m)
	LNEZZZ001	LNEZZZ004		LNEZZZ014 (1,5 m)
	(1011 mm)	(1011 mm)		LNEZZZ015 (5 m)
S	LNEZZZ002	LNEZZZ005		LNEZZZ016 (10 m)
RIE	(1511 mm)	(1511 mm)		LNEZZZ017 (15 m)
ACCESSO				
	wall header outer case	plasterboard header outer case	joint brackets outer case	2-way 5-pole splitter
	LNEZZZ022	LNEZZZ023	LNEZZZ025	LNEZZZ019

















LINEO RGBW

PRODUCT CODE CONFIGURATION



	family	
LNE	MIZAR LINEO	
	model	
00	LINEO - 510 mm	
01	LINE0 - 1010 mm	
02	LINE0 - 1510 mm	
CCT		
Р	RGBW	
CRI		
В	> 80	
beam angles		
K	diffused	
optionals		
0	nessuno	
	finishing	
00	opale	
cable length		
Α	0.4 m	
variant		
00	standard	

For correct code composition see instructions on page 151 of the catalogue or go to

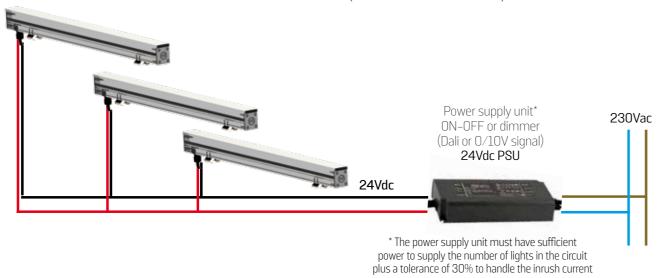




LINEO

PARALLEL ELECTRICAL CONNECTION

ON-OFF OR DIMMER SYSTEM (DALI OR O-10V SIGNAL)



	code	ССТ	OUT tension	output max	W max	IP	supported spotlight model	max meters	
PLY	MID0028	RGBW	- 24Vdc	2.90 A max	70 W	IP67	Lineo 2.0-2.1-2.2 in combination with control unit MID0023	14 m	
ER S		WHITE					LINEO 1.0 - 1.1 - 1.2	6 m	
TED POW	MID0029	WHITE	24Vdc	6, 25 A max	150 W	IP67	LINEO 1.0 - 1.1 - 1.2	12 m	1
SUGGES	MID0030	WHITE	DALI 24Vdc	5 A max	120 W	IP67	LINEO 1.0 - 1.1 - 1.2	10 m	The state of the s
	MID0031	WHITE	DALI 24Vdc	8,3 A max	200 W	IP67	LINEO 1.0 - 1.1 - 1.2	16 m	the Fee

S	RGBW Telecontrol RT 4zone RF 2.4GHz			
ROL	MID1000	MID1001	MID0023	
RGBW CONT		1 2 3 4 M CO 1 1 M		





(m) QUANTUM

WALL MOUNTED
OUTDOOR LUMINAIRES







m

QUANTUM





ITALIAN DESIGN









4

127

75



QUANTUM 1.1

Single-emission wall mounted luminaire, suitable for **outdoor** environments (IP65), with wide range operating temperature: -20°C / +50°C. The body is in **die-cast aluminum** protected by epoxy-polyester coating that guarantees resistance to corrosion equal to 1500 hours in salt spray. Five color finishes are available: white RAL9003, black RAL9005, anthracite RAL7016, CORTEN and paintable primer.

The light source consists of a single Power chip **3W** LED powered by 220Vac (integrated power supply). The luminous flux up to 135 lm (3000K) and the design make it **ideal** as a light for illuminating facades and architectural details.

Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Optional anti-glare (honeycomb) is available.



RAL9003





anthracite

RAL7016





primer

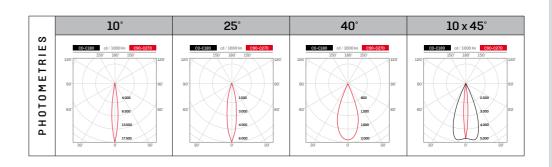
black RAL9005

3W - single chip Power Led power 220Vac integrated power supply power supply II class insulation class IP 65 IP rating IK 06 IK rating operating temperature $-20^{\circ}\text{C} / +50^{\circ}\text{C}$ 55 x 75 x 127 mm size light source flux 227 lm (3000K) up to 135 lm (3000K) effective flux circular 10° - 25° - 40°; beam angles elliptical 10° x 45° CCT 2700K - 3000K - 4000K > 90 CRI **BIN** selection 3 Step MacAdam

lifetime	L80 B10 50.000 h
body materials	EN AB46100 die-cast aluminum
finishing	first coat with protective primer followed by epoxy polyester for corrosion resistance
color	white RAL9003black RAL9005anthracite RAL7016CORTENpaintable primer
screen	tempered extra-clear glass - 5 mm black silkprinted
electrical connection	to power line
weight	500 g
made in	ITALY

CORTEN

honeycomb OPTIONALS



















QUANTUM 1.1

PRODUCT CODE CONFIGURATION



	family		
QUA	MIZAR QUANTUM		
	model		
00	QUANTUM	1.1	
CCT			
С	2700 K		
D	3000 K		
F	4000 K		

C	RI
	> 90

С

beam angles		
S	10°	V
М	25°	$\overline{}$
L	40°	
Е	10° x 45°	-

0	no one	
1	honeycomb	6

finishing

W0	white RAL9003
В0	black RAL9005
CT	CORTEN
PR	paintable primer
GO	anthracite RAL7016

	cable length		
Z	no one		
	variant		
00	standard		

For correct code composition see instructions on page 151 of the catalogue or go to













QUANTUM 1.2

Double-emission wall mounted luminaire, suitable for **outdoor** environments (IP65), with wide range operating temperature: -20°C / +50°C. The body is in **die-cast aluminum** protected by epoxy-polyester coating that guarantees resistance to corrosion equal to 1500 hours in salt spray. Five color finishes are available: white RAL9003, black RAL9005, anthracite RAL7016, CORTEN and paintable primer.

The light source consists of a single Power chip **3W+3W** LED per emission powered by 220Vac (integrated power supply). The luminous flux up to 135 lm x 2 (3000K) and the design make it **ideal** as a light for illuminating facades and architectural details.

Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Optional anti-glare (honeycomb) is available.



RAL9003



RAL9005





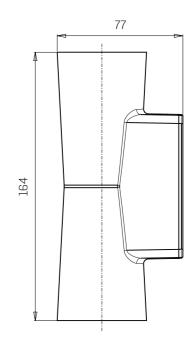


primer

cite	COR
016	CUN

power	3W+3W – single chip Power Led
power supply	220Vac integrated power supply
insulation class	II class
IP rating	IP 65
IK rating	IK 06
operating temperature	-20°C / +50°C
size	55 x 77 x 164 mm
light source flux	227 lm x2 (3000K)
effective flux	up to 135 lm x2 (3000K)
beam angles	circular 10° – 25° – 40°; elliptical 10° x 45°
CCT	2700K - 3000K - 4000K
CRI	> 90
BIN selection	3 Step MacAdam

lifetime	L80 B10 50.000 h
body materials	EN AB46100 die-cast aluminum
finishing	first coat with protective primer followed by epoxy polyester for corrosion resistance
color	white RAL9003black RAL9005anthracite RAL7016CORTENpaintable primer
screen	tempered extra-clear glass - 5 mm black silkprinted
electrical connection	to power line
weight	600 g
made in	ITALY



honeycomb OPTIONALS

10°	25°	40°	10 x 45°
00	20 Calco of / 1000 in 200 Carpo 1207 1207 1207 1207 1207 1200 1200 1200	200_0300 cd /10000 lm 200_0200 1207 1207 1207 1207 1207 1207 1207 1207	200 - 1000 los (200 - 200) 100 10

















QUANTUM 1.2

PRODUCT CODE CONFIGURATION



family		
QUA	MIZAR QUANTUM	
model		
01	QUANTUM 1.2	
CCT		

CCT				
С	2700 K			
D	3000 K			
F	4000 K			

	CKI
С	> 90
	beam angles

beam angles		
S	10°	Y
М	25°	
L	40°	
Е	10° x 45°	

optionals

	•	
0	no one	
1	honeycomb	

finishing

W0	white RAL9003
В0	black RAL9005
CT	CORTEN
PR	paintable primer
GO	anthracite RAL7016

	cable length		
Z no one		no one	
	variant		
	OΩ	standard	

For correct code composition see instructions on page 151 of the catalogue or go to













QUANTUM 2.1

Single-emission wall mounted luminaire, suitable for **outdoor** environments (IP65), with wide range operating temperature: -20°C / +50°C. The body is in **die-cast aluminum** protected by epoxy-polyester coating that guarantees resistance to corrosion equal to 1500 hours in salt spray. Five color finishes are available: white RAL9003, black RAL9005, anthracite RAL7016, CORTEN and paintable primer.

The light source consists of a single Power chip **7W** LED powered by 220Vac (integrated power supply). The luminous flux up to **305 lm** (3000K) and the design make it ideal as a light for illuminating facades and architectural details.

Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Optional anti-glare (honeycomb) is available.







RAL7016



CORTEN



primer

RAL9003

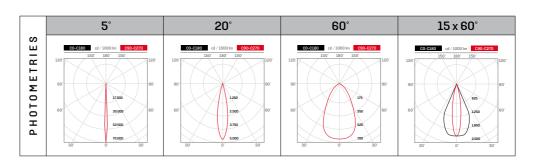
power	7W – single chip Power Led
power supply	220Vac integrated power supply
insulation class	II class
IP rating	IP 65
IK rating	IK 06
operating temperature	-20°C / +50°C
size	109 x 78 x 185 mm
light source flux	410 lm (3000K)
effective flux	up to 305 lm (3000K)
beam angles	circular 5° – 20° – 60°; elliptical 15° x 60°
ССТ	2700K - 3000K - 4000K
CRI	> 90
BIN selection	3 Step MacAdam

lifetime	L80 B10 50.000 h
body materials	EN AB46100 die-cast aluminum
finishing	first coat with protective primer followed by epoxy polyester for corrosion resistance
color	– white RAL9003 – black RAL9005 – anthracite RAL7016 – CORTEN – paintable primer
screen	tempered extra-clear glass - 6 mm black silkprinted
electrical connection	to power line
weight	1200 g
made in	ITALY

60 28

109

honeycomb OPTIONALS



















QUANTUM 2.1

PRODUCT CODE CONFIGURATION



	family		
QUA	MIZAR QUAN	MUTI	
model			
02	QUANTUM	2.1	
	CCT		
С	2700 K		
D	3000 K		
F	4000 K		

CRI
> 90

beam angles		
S	5°	V
М	20°	V
L	60°	

E 15° x 60°

optionals		
0	no one	
1	honeycomb	

finishing

W0	white RAL9003	
В0	black RAL9005	
CT	CORTEN	
PR	paintable primer	
GO	anthracite RAL701	

cable length

Z	no one		
	variant		
00	standard		

For correct code composition see instructions on page 151 of the catalogue or go to













QUANTUM 2.2

Double-emission wall mounted luminaire, suitable for **outdoor** environments (IP65), with wide range operating temperature: -20°C / +50°C. The body is in **die-cast aluminum** protected by epoxy-polyester coating that guarantees resistance to corrosion equal to 1500 hours in salt spray. Five color finishes are available: white RAL9003, black RAL9005, anthracite RAL7016, CORTEN and paintable primer.

The light source consists of a single Power chip **7W+7W** LED per emission powered by 220Vac (integrated power supply). The luminous flux up to 305 lm x 2 (3000K) and the design make it ideal as a light for illuminating facades and architectural details.

Different **colour temperatures** are available: 2700K, 3000K, 4000K with CRI > 90. Optional anti-glare (honeycomb) is available.



white

RAL9003

power

IP rating

IK rating

size

CCT

CRI

power supply

insulation class

light source flux

effective flux

beam angles

BIN selection



RAL9005

7W+7W – single chip Power Led

220Vac integrated power supply

II class

IP 65

IK 06

> 90

112 x 78 x 235 mm

410 lm x2 (3000K)

up to 305 lm x2 (3000K)

2700K - 3000K - 4000K

circular 5° - 20° - 60°;

elliptical 15° x 60°

3 Step MacAdam

operating temperature $-20^{\circ}\text{C} / +50^{\circ}\text{C}$





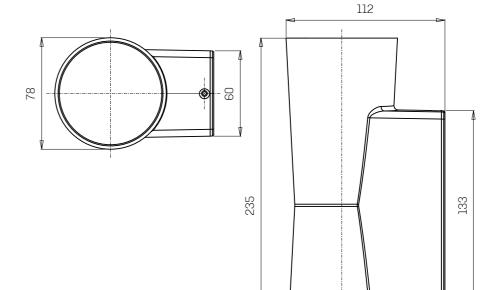


primer

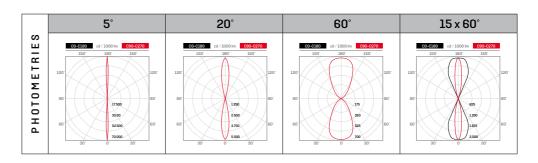
RAL7016

te	CORT
6	GUNI

lifetime	L80 B10 50.000 h
body materials	EN AB46100 die-cast aluminum
finishing	first coat with protective primer followed by epoxy polyester for corrosion resistance
color	white RAL9003black RAL9005anthracite RAL7016CORTENpaintable primer
screen	tempered extra-clear glass - 6 mm black silkprinted
electrical connection	to power line
weight	1660 g
made in	ITALY



honeycomb OPTIONALS



















QUANTUM 2.2

PRODUCT CODE CONFIGURATION



	family	
QUA	MIZAR QUAN	NTUM
	model	
03	QUANTUM	2.2
CCT		
С	2700 K	
D	3000 K	
F	4000 K	

	CRI	
С	> 90	
	beam angles	
S	5°	Y
М	20°	$\overline{}$
L	60°	
E	15° x 60°	

optionals		
0	no one	
1	honeycomb	

finishing	
WO	white RAL9003
В0	black RAL9005
CT	CORTEN
PR	paintable primer
GO	anthracite RAL 7016

	arremacite i ii izi ozt
cable length	
Z	no one
variant	

For correct code composition see instructions on page 151 of the catalogue or go to





CORROSIVITY CATEGORY FOR EXTERNAL ENVIRONMENTS

ISO 9223:2012 has defined a system for classifying atmospheric corrosion of metals and alloys in various environmental conditions. This standard indicates corrosion classes based on observed corrosion rates, in standardized samples, exposed to these environments for one year. Additionally, it provides dose-response functions to estimate the corrosivity level, determined by the normalized annual metal loss due to atmospheric agents. This approach allows predicting the highest possible corrosion class, considering local environmental factors, including the interaction of temperature, humidity, sulfur dioxide pollution, and salinity.

However, it's essential to note that the standard doesn't account for other significant elements such as wind speed, sand abrasion, accidental breakdown of protective layers, maintenance frequency, and exposure levels.

CORROSIVITY CATEGORY	CORROSIVITY LEVEL	TYPICAL ENVIRONMENTS
Cl	Very low	Dry or cold zone, atmospheric environment with very low pollution and humidity time, e.g., certain deserts, Central Arctic / Antarctica.
C2	Low	Low-temperature zone, low pollution atmospheric environment ($502* < 5 \text{ g} / m3$), rural areas, and small towns. Dry or cold location, atmospheric setting with a short humidity time, e.g., deserts, subarctic areas.
C3	Medium	The temperate zone, atmospheric environment with medium pollution ($S02^*$: from 5 g / m3 to 30 g / m3) or some chlorides, e.g., urban areas, coastal areas with low chloride deposition. Subtropical and tropical zone, quiet pollution atmosphere.
C4	High	Temperate zone, highly polluted atmospheric environment ($S02^*: 30 \text{ g} / m3 \text{ to } 90 \text{ g} / m3$) or substantial effect of chlorides, e.g., polluted urban areas, industrial areas, coastal areas without saltwater splash or exposure to the strong impact of antifreeze salts–subtropical and tropical zone, medium pollution atmosphere.
C5	Very high	Temperate and subtropical zone, atmospheric environment with very high pollution (S02*: from 90 g $/$ m3 to 250 g $/$ m3) and significant effect of chlorides, e.g., industrial areas, generic coastal areas, sheltered locations on the coast.
CX	Extreme	Subtropical and tropical zone (very high humidity period), atmospheric environment with very high SO2* pollution (above 250 g $/$ m3) including accompanying and production factors and the strong effect of chlorides, e.g., extreme industrial areas, coastal and oshore locations, and occasional contact with salt spray. Category CX is to be considered for extreme situations where the corrosion rates exceed the upper limits in category C5. Indeed, CX refers to specific marine and marine/industrial environments, such as bridges.

^{*} S02*: Sulphur dioxide - (not sodium chloride)

MIZAR use the standard defined by ISO 9227:2017, to test its products and processes.

We implement a pre-treatment process to produce high-quality coating, ensuring excellent paint adhesion and optimal corrosion protection through the use of chemicals specifically dedicated to aluminum.

In a second step, the luminaire is tested in a sodium chloride atmospheric chamber.

This test allows us to monitor the corrosion behavior of the complete product, checking in detail:

- The quality of the paint
- The sensibility of the design
- The behaviour of stainless-steel screws and the aluminium quality

MIZAR also uses UNI EN 12944 to validate its processes for an exposure time over 1500 hours at a constant temperature. All our painted products pass this testing standard. The results are subsequently classified to comply with ISO 9223 (as mentioned in the previously indicated table).



Fountains or swimming pools Every outdoor MIZAR product is compliant. If installation is underwater, choose between IP68 products.



Urban or industrial areas Every outdoor MIZAR product is compliant.



Bridges or marine environments Only outdoor MIZAR products, with exposed surface completely made of stainless steel / brass / glass / technopolymer, are compliant.

LIGHT CLASS

Protection against electric shock

Class 0 The protection is based on essential insulation. There is no earth wire.



Class I

The protection is based on essential insulation and the connection of accessible metallic parts to an earth wire.



Class II

The protection is based on essential insulation and additional measures such as reinforced double insulation.



Class III

The protection is based on the fact that, in every point of the light, the supply and/or working voltage is below 50 V actual value in A.C. (very low safety voltage)

EU ECODESIGN DIRECTIVE





non-replaceable light source





user-replaceable light source





light source replaceable by licensed professional



non-replaceable power supply unit



user-replaceable power supply unit



power supply unit replaceable by licensed professional

MARKS

European

CE mark





Directive 2012/19/EU (WEEE - Waste Electrical and Electronic Equipment)



Directive 2011/65/UE (RoHS II)

PROTECTION CLASS



4

5

6

Protection against penetration by SOLIDS

0 Not protected

1 Protected against solids above 50mm

2 Protected against solids above 12mm

3 Protected against penetration by probe with Ø2.5mm

Protected against penetration by probe with Ø1mm

Protected against entrance of dust

Dust proof

Protection against penetration by LIQUIDS

0 Not protected

1 Protected against vertical drops of water

2 Protected against drops of water with casing inclined by max. 15°

3 Protected against rain

4 Protected against splashes of water

5 Protected against jets of water

6 Protected against waves

7 Sealed against immersion

8 Sealed against submersion



00

10

Protection against external MECHANICAL IMPACTS

Not protected

01 Protected against an impact energy of 0,15J 02 Protected against an impact energy of 0,2J

03 Protected against an impact energy of 0,35J 04

Protected against an impact energy of 0,5J 05 Protected against an impact energy of 0,7J

06 Protected against an impact energy of 1J 07 Protected against an impact energy of 2J

Protected against an impact energy of 5J

08 09 Protected against an impact energy of 10J

Protected against an impact energy of 20J

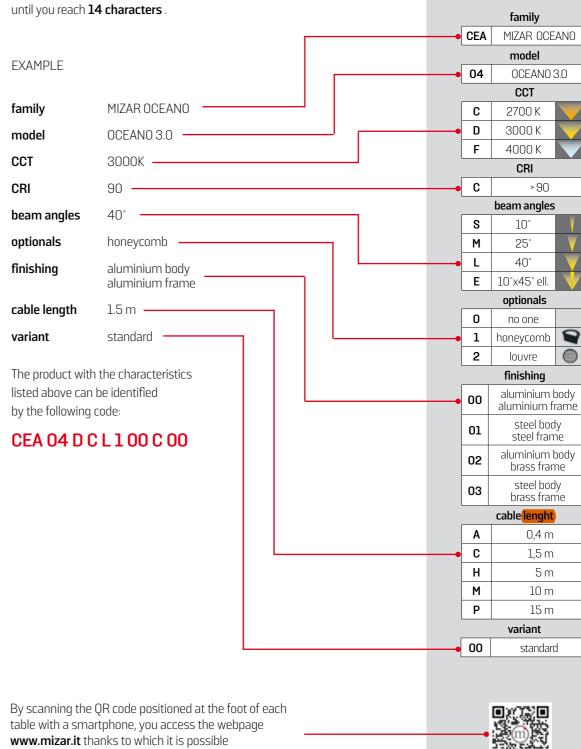


mizar

HOW TO DIAL THE PRODUCT CODE

To identify the desired product code, choose the letters/digits corresponding to the options following the order from top to bottom of the table

to configure the product code automatically



MIZAR

MADE IN ITALY 2023/24

art direction

Federico Bollarino Srl Luigi Bicco

photos

Donato Migliori Fabio Catalano

print

Litograf Srl Avigliana (TO)

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