

# POLARIS 2

Design by Carla Baratelli



Apparecchio a incasso calpestabile per esterni e ambienti sommersi

- **Applicazione:** pavimentazioni, illuminazione d'accento di facciate, alberi di piccola e media dimensione, vasche, piscine
- **Ambientazione:** piazze, vie, hotel, abitazioni private, centri commerciali, centri benessere
- **Installazione:** a incasso
- **Materiale:** acciaio inox - vetro
- **Finiture:** acciaio inox satinato
- **Sorgente LED:** alta potenza
- **Ottiche:** 8° - 22° - 48° ottiche arretrate - 60° - asimmetrico a 20° - vetro trasparente o satinato 45° - vetro trasparente o satinato (RGB Power)
- **Funzionamento:** accensione on-off o dimmerabile
- **Caratteristiche:** assenza di viti sul frontale  
acciaio inox Aisi 316L garantito 10 anni
- **Alimentazione:** corrente costante 350/500mA  
tensione costante 24Vdc

*Walk over recessed fixture for outdoor and underwater applications*

- **Applications:** *pavings, accent lighting of facades, small and medium size trees, water features, pools*
- **Setting:** *squares, streets, hotels, private houses, shopping centres*
- **Installation:** *recessed*
- **Material:** *stainless steel - glass*
- **Finishes:** *satin stainless steel*
- **LED Light source:** *high power*
- **Optics:** *8° - 22° - 48° recessed optics - 60° - asymmetrical at 20° - transparent or satin glass 45° - transparent or satin glass (RGB Power)*
- **Functions:** *on-off, dimmable*
- **Features:** *no visible screws*  
*10 years guaranteed stainless steel Aisi 316L*
- **Power supply:** *constant current 350/500mA*  
*constant voltage 24Vdc*

## Colori LED / LED Colours



Bianco 3000K  
White 3000K



Bianco 4000K  
White 4000K



Bianco 5500K  
White 5500K



RGB

## Caratteristiche / Characteristics





Centro parrocchiale - Borgo Valsugana (TN), Italia - Polaris 2 blu - Foto Studio Eidos  
Parish center - Borgo Valsugana (TN), Italy - Polaris 2 blu - Photo Studio Eidos

## POLARIS 2 POWER LED 1W 350mA - 2W 500mA MONOCROMATICO / MONOCHROMATIC

## Ottica 8° / optics 8°

Inox Aisi 316L satinato / *satin stainless steel*

3000K

4000K

5500K

PO2.004.28

PO2.005.28

PO2.006.28

## Ottica 22° / optics 22°

Inox Aisi 316L satinato / *satin stainless steel*

PO2.007.28

PO2.008.28

PO2.009.28

## Ottica 48° / optics 48°

Inox Aisi 316L satinato / *satin stainless steel*

PO2.010.28

PO2.011.28

PO2.012.28

## Ottica 60° / optics 60°

Inox Aisi 316L satinato / *satin stainless steel*

PO2.019.28

PO2.020.28

PO2.021.28

Ottiche arretrate 8°, 22°, 48°  
*Recessed optics 8°, 22°, 48°***Riferimenti pagina / Page references:**Elettronica di controllo / *Electronic control gear*

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Alimentatori / *Power supply units*

Pag. 592, 593

Schemi di collegamento / *Connection diagrams*

Pag. 606: A, D, H, R

Diagrammi conici / *Conical diagrams*

Pag. 618

Accessori / *Accessories*

Pag. 576

Cassaforme / *Housing boxes*

Pag. 572


**Importante / Remarks:**

Alimentazione a corrente costante con collegamento in serie


*Constant current supply with series connection*A richiesta anche con LED nei colori Rosso, Blu, Verde / *On request, LEDs are available also in Red, Blue, Green colours*

## POLARIS 2 POWER LED 1W 350mA - 2W 500mA MONOCROMATICO / MONOCHROMATIC


## Vetro trasparente / transparent glass

		3000K	4000K	5500K
	Inox Aisi 316L satinato / satin stainless steel	P02.013.28	P02.014.28	P02.015.28

## Vetro satinato / satin glass

	Inox Aisi 316L satinato / satin stainless steel	P02.016.28	P02.017.28	P02.018.28
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## Ottica asimmetrica a 20° / asymmetric optics at 20°

	Inox Aisi 316L satinato / satin stainless steel	P02.001.28	P02.002.28	P02.003.28
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## Riferimenti pagina / Page references:

Elettronica di controllo / Electronic control gear

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Alimentatori / Power supply units

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Schemi di collegamento / Connection diagrams

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Diagrammi conici / Conical diagrams

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Cassaforme / Housing boxes

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## Importante / Remarks:

Alimentazione a corrente costante con collegamento in serie

Constant current supply with series connection

A richiesta anche con LED nei colori Rosso, Blu, Verde / On request, LEDS are available also in Red, Blue, Green colours

## POLARIS 2 POWER LED 2W 24Vdc MONOCROMATICO / MONOCHROMATIC

## Ottica 8° / optics 8°



	3000K	4000K	5500K
Inox Aisi 316L satinato / <i>satin stainless steel</i>	PO2.025.28	PO2.026.28	PO2.027.28

## Ottica 22° / optics 22°



Inox Aisi 316L satinato / <i>satin stainless steel</i>	PO2.028.28	PO2.029.28	PO2.030.28
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## Ottica 48° / optics 48°



Inox Aisi 316L satinato / <i>satin stainless steel</i>	PO2.031.28	PO2.032.28	PO2.033.28
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## Ottica 60° / optics 60°



Inox Aisi 316L satinato / <i>satin stainless steel</i>	PO2.040.28	PO2.041.28	PO2.042.28
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Ottiche arretrate 8°, 22°, 48°  
 Recessed optics 8°, 22°, 48°

**Riferimenti pagina / Page references:**

Electronica di controllo / <i>Electronic control gear</i>	Pag. 600, 601, 602, 603
Alimentatori / <i>Power supply units</i>	Pag. 590, 591
Schemi di collegamento / <i>Connection diagrams</i>	Pag. 606: G, I, I bis, Q, U
Diagrammi conici / <i>Conical diagrams</i>	Pag. 618
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Cassaforme / <i>Housing boxes</i>	Pag. 572

**Importante / Remarks:**


Alimentazione a tensione costante 24Vdc dimmerabile, collegamento in parallelo

*Constant voltage supply 24Vdc dimmable, parallel connection*


A richiesta anche con LED nei colori Rosso, Blu, Verde / *On request, LEDS are available also in Red, Blue, Green colours*

## POLARIS 2 POWER LED 2W 24Vdc MONOCROMATICO / MONOCHROMATIC


## Vetro trasparente / transparent glass

		3000K	4000K	5500K
	Inox Aisi 316L satinato / satin stainless steel	P02.034.28	P02.035.28	P02.036.28

## Vetro satinato / satin glass

	Inox Aisi 316L satinato / satin stainless steel	P02.037.28	P02.038.28	P02.039.28
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## Ottica asimmetrica a 20° / asymmetric optics at 20°

	Inox Aisi 316L satinato / satin stainless steel	P02.022.28	P02.023.28	P02.024.28
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Polaris 2 vetro trasparente: applicazione in esterno  
 Polaris 2 transparent glass: outdoor application

## Riferimenti pagina / Page references:

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Alimentatori / Power supply units	Pag. 590, 591
Schemi di collegamento / Connection diagrams	Pag. 606: G, I, I bis, Q, U
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## Importante / Remarks:

Alimentazione a tensione costante 24Vdc dimmerabile, collegamento in parallelo

Constant voltage supply 24Vdc dimmable, parallel connection

A richiesta anche con LED nei colori Rosso, Blu, Verde / On request, LEDS are available also in Red, Blue, Green colours

## POLARIS 2 POWER LED 4W 24Vdc RGB

## Ottica 45° / optics 45°



RGB

Inox Aisi 316L satinato / *satin stainless steel*

PO2.046.28

## Vetro trasparente / transparent glass



RGB

Inox Aisi 316L satinato / *satin stainless steel*

PO2.047.28

## Vetro satinato / satin glass



RGB

Inox Aisi 316L satinato / *satin stainless steel*

PO2.048.28

**Riferimenti pagina / Page references:**Elettronica di controllo / *Electronic control gear*

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Alimentatori / *Power supply units*

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**Importante / Remarks:**Alimentazione a tensione costante 24Vdc dimmerabile, collegamento in parallelo  
*Constant voltage supply 24Vdc dimmable, parallel connection*



Evento Lumen - Firenze, Italia - Polaris 2 2W 8° blu  
Lumen event - Florence, Italy - Polaris 2 2W 8° blue







Aotea Square - Auckland, Nuova Zelanda - Polaris 2 8° - Lighting Design LDP  
Aotea Square - Auckland, New Zealand - Polaris 2 8° - Lighting Design LDP

## SCHEDA TECNICA POLARIS 2

<b>Dissipatore</b>	acciaio inox AISI 316L
<b>Frontale</b>	acciaio inox AISI 316L
<b>Finitura del frontale</b>	acciaio inox satinato
<b>Viteria</b>	acciaio inox AISI 316L
<b>Vetro di protezione</b>	vetro piano trasparente o satinato
<b>Guarnizioni</b>	gomma siliconica, teflon
<b>Ottica</b>	lenti in PMMA 8°, 22°, 48° ottiche arretrate, 60° o asimmetrica a 20° + 45° (RGB Power)
<b>Fissaggio</b>	tramite guarnizioni in silicone
<b>Pressacavo</b>	PG7 in ottone nichelato
<b>Cavi di alimentazione</b>	monocromatico 350/500mA: 50cm di cavo PBS8-F AD8 per immersione (2x0,5mm <sup>2</sup> ) Ø esterno 4,2mm monocromatico 24Vdc: 50cm di cavo PBS8-F AD8 per immersione (3x0,5mm <sup>2</sup> ) Ø esterno 4,2mm RGB 24Vdc: 50cm di cavo PBS8-F AD8 per immersione (5x0,5mm <sup>2</sup> ) Ø esterno 6,1mm
<b>Temperatura di colore</b>	3000K, 4000K, 5500K
<b>Alimentazione</b>	monocromatico: 350/500mA corrente costante - 24Vdc tensione costante RGB: 24Vdc tensione costante
<b>Potenza assorbita</b>	monocromatico: 1,1W 350mA - 2W 24Vdc RGB: 4W 24Vdc
<b>Montaggio consigliato</b>	a incasso (parete, pavimento), immersione
<b>Temperatura di utilizzo</b>	-30°C ÷ +50°C
<b>Resistenza al carico</b>	calpestabile fino a 300kg
<b>Peso</b>	350/500mA: 170g - 24Vdc: 235g
<b>Grado di protezione</b>	IP67, IP68, IK05
<b>Marchi</b>	CE, F, Classe III
<b>Normativa</b>	prodotti in conformità alle vigenti norme EN60598-1 CEI 34-21

## TECHNICAL INFORMATION POLARIS 2

<b>Dissipator</b>	stainless steel AISI 316L
<b>Front</b>	stainless steel AISI 316L
<b>Front finish</b>	satin stainless steel
<b>Screws</b>	stainless steel AISI 316L
<b>Protection glass</b>	transparent or satin flat glass
<b>Gaskets</b>	silicone rubber, teflon
<b>Optics</b>	lens in PMMA 8°, 22°, 48° recessed optics, 60° or asymmetric at 20° + 45° (RGB Power)
<b>Installation</b>	by means of silicone gaskets
<b>Cable gland</b>	PG7 in nicked brass
<b>Power supply cables</b>	monochromatic 350/500mA: 50cm PBS8-F AD8 cable for immersion (2x0,5mm <sup>2</sup> ) external Ø 4,2mm monochromatic 24Vdc: 50cm PBS8-F AD8 cable for immersion (3x0,5mm <sup>2</sup> ) external Ø 4,2mm RGB 24Vdc: 50cm PBS8-F AD8 cable for immersion (5x0,5mm <sup>2</sup> ) external Ø 6,1mm
<b>Colour temperature</b>	3000K, 4000K, 5500K
<b>Power supply</b>	monochromatic: 350/500mA constant current - 24Vdc constant voltage RGB: 24Vdc constant voltage
<b>Absorbed power</b>	monochromatic 1,1W 350mA - 2W 24Vdc RGB 4W 24Vdc
<b>Recommended installation</b>	recessed (wall, floor), immersion
<b>Working temperature</b>	-30°C to +50°C
<b>Load resistance</b>	walk over up to 300kg
<b>Weight</b>	350/500mA: 170g - 24Vdc: 235g
<b>Protection degree</b>	IP67, IP68, IK05
<b>Markings</b>	CE, F, Class III
<b>Norms</b>	products comply EN60598-1 CEI 34-21 norms

## Importante / Remarks:

La temperatura del metallo in prossimità del LED non deve superare il valore di 90°C / The temperature of the metal near the LED should not exceed 90°C



## Colori LED / LED Colours



Bianco 3000K  
White 3000K



Bianco 4000K  
White 4000K



Bianco 5500K  
White 5500K



RGB

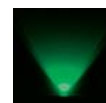
## A richiesta / On request



Rosso  
Red



Blu  
Blue



Verde  
Green

## Finiture / Finishes

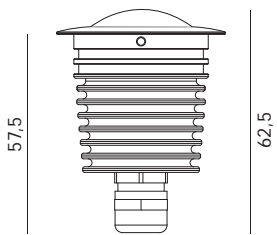
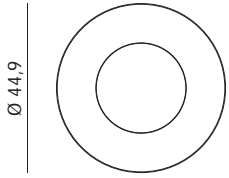


Inox satinato  
Satin stainless steel

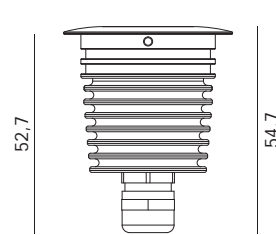
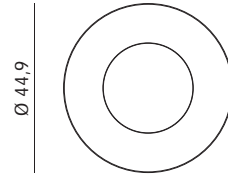
DISEGNI TECNICI / TECHNICAL DRAWINGS

1W 350mA / 2W 500mA

Ottica 60°  
Optics 60°

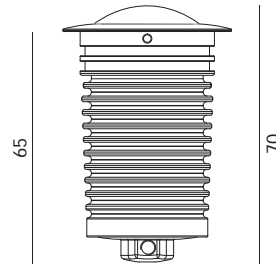
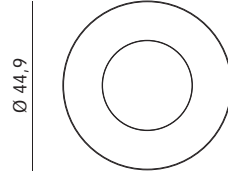


Ottiche 8°, 22°, 48°, asimmetrica  
Vetro trasparente / satinato  
Optics 8°, 22°, 48°, asymmetric  
Transparent / satin glass

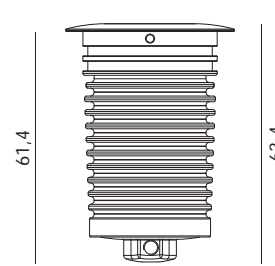
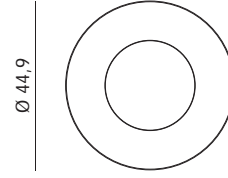


2W 24Vdc

Ottica 60°  
Optics 60°

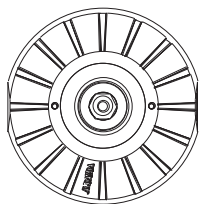
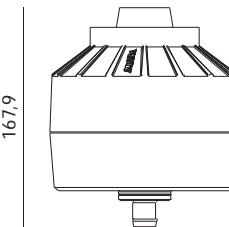


Ottiche 8°, 22°, 48°, asimmetrica  
Vetro trasparente / satinato  
Optics 8°, 22°, 48°, asymmetric  
Transparent / satin glass



CASSAFORME / HOUSING BOXES

Cassaforma per IP68 h: 167,9mm  
Housing box for IP68

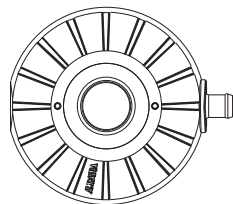
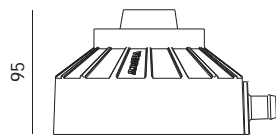


150



Cod. CAS.0188.99

Cassaforma h: 95mm  
Housing box

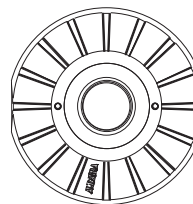
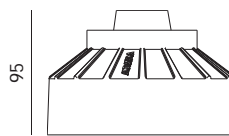


150 19,3



Cod. CAS.0202.99

Cassaforma drenante  
Draining housing box



150



Cod. CAS.0187.99