

Design Renzo Piano Building Workshop iGuzzini

Product configuration: ALS3

Product code

ALS3: Bollard H=650 mm. Transversal Asymmetric Optic. Warm LED. DALI 220-240V ac

Direct light luminaire, designed to use monochrome LED lamps. It consists of a body, an optical assembly and a fixing base. Optical assembly and die-cast aluminium glass-holder frame. 5mm thick tempered sodium-calcium closing glass with black serigraphy. Body and optical assembly subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The body encapsulates two stainless steel rods fixed to the base that make the device highly knock and vandal-resistant. Transversal Asymmetric Optic (AT) with high performance Opti-smart reflectors in superpure aluminium coated with silver deposits offering uniform light distribution. Both the LED unit and the ballast may be substituted. Optical assembly complete with electronic control gear and output power cable. Includes a gel-based IP68 connection box for pass-through wiring. High level visual comfort for pavements and walkways. All the screws used are made of A2 stainless steel.

Can be ground/floor installed using screw anchors (on pavements) or via a fixing base and plate with Dakromet coated anchors for added protection against corrosion (to be ordered separately).

Colour
White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)
6.2

ground surface|ground anchored

Product complete with DALI 220÷240V ac electronic control gear.

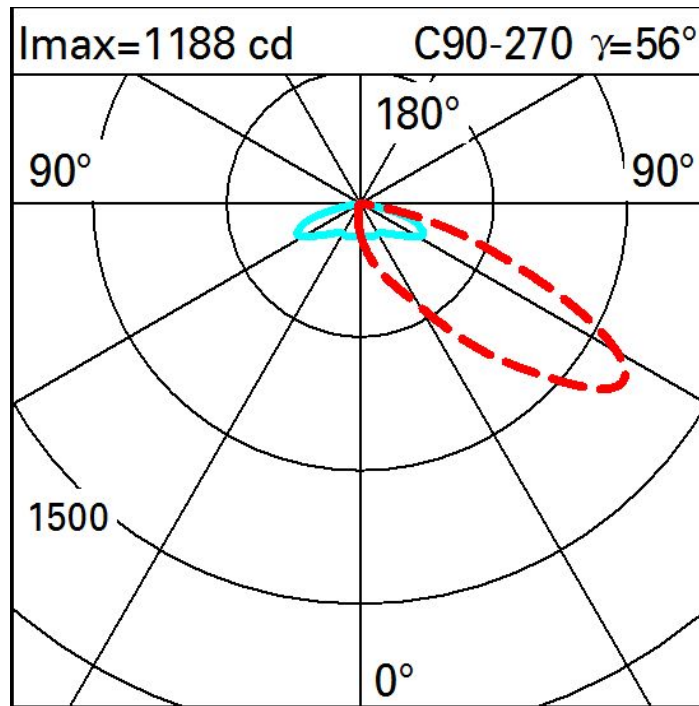
Overvoltage protection: 4kV in Common Mode (CM), 2kV in Differential Mode (DM). • The SPD accessory (JAL6) increases overvoltage protection to 6kV/10kV (CM/DM).

Complies with EN60598-1 and pertinent regulations

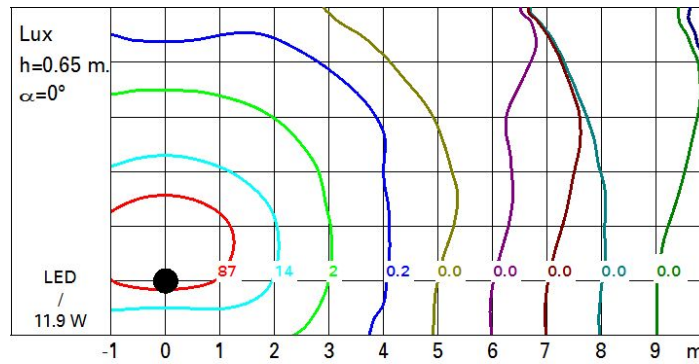


Im system:	1334	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	11.9	Voltage [Vin]:	230
Im source:	1710	Lamp code:	LED
W source:	9.8	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	112.1	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	78	Power factor:	See installation instructions
CRI (minimum):	80	Inrush current:	5 A / 50 µs
CRI (typical):	82	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Colour temperature [K]:	3000	Overvoltage protection:	4kV Common mode & 2kV Differential mode
MacAdam Step:	3	Control:	DALI-2
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		

Polar

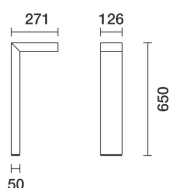


Isolux



Design Renzo Piano Building Workshop iGuzzini

Product configuration: ALS2



ALS2: Bollard H=650 mm, Longitudinal Asymmetric Optic, Warm LED, DALI 220-240V ac

Direct light luminaire, designed to use monochrome LED lamps. It consists of a body, an optical assembly and a fixing base. Optical assembly and die-cast aluminium glass-holder frame. 5mm thick tempered sodium-calcium closing glass with black serigraphy. Body and optical assembly subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The body encapsulates two stainless steel rods fixed to the base that make the device highly knock and vandal-resistant. Longitudinal Asymmetric Optic (AL) with high performance Opti-smart reflectors in superpure aluminium coated with silver deposits offering uniform light distribution. Both the LED unit and the ballast may be substituted. Optical assembly complete with electronic control gear and output power cable. Includes a gel-based IP68 connection box for pass-through wiring. High level visual comfort for pavements and walkways. All the screws used are made of A2 stainless steel.

Can be ground/floor installed using screw anchors (on pavements) or via a fixing base and plate with Dakromet coated anchors for added protection against corrosion (to be ordered separately).

Colour	Weight (Kg)
White (01) Black (04) Grey (15) Rust Brown (F5)	6.2

ground surface|ground anchored

Product complete with DALI 220÷240V ac electronic control gear.

Overvoltage protection: 4kV in Common Mode (CM), 2kV in Differential Mode (DM). • The SPD accessory (JAL6) increases overvoltage protection to 6kV/10kV (CM/DM).





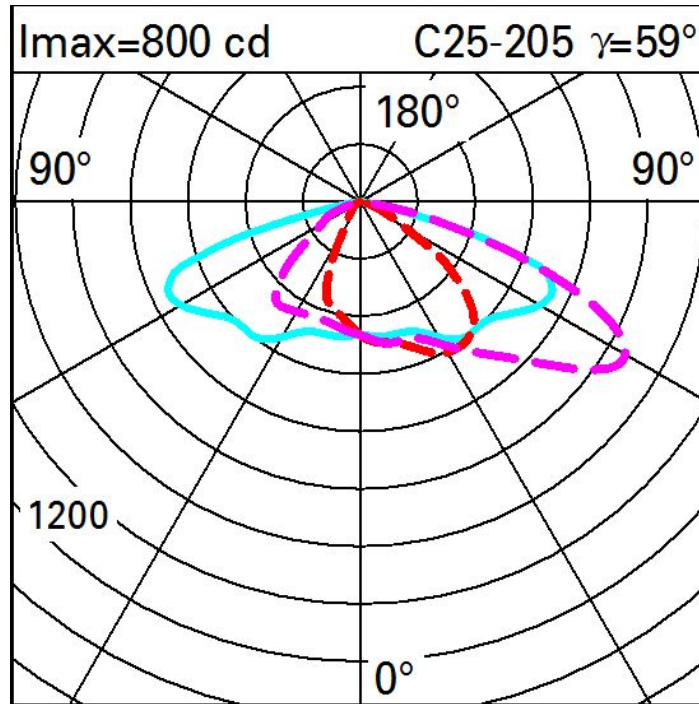




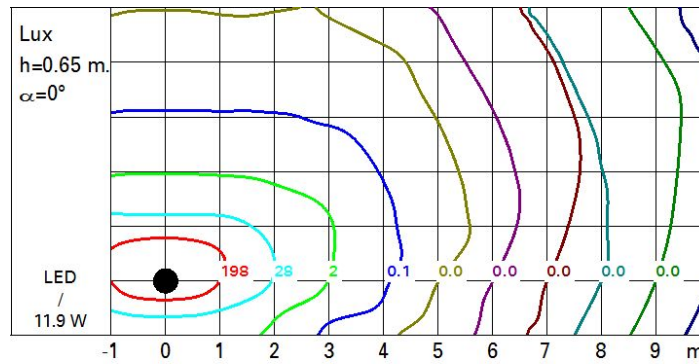



Im system:	1368	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	11.9	Voltage [Vin]:	230
Im source:	1710	Lamp code:	LED
W source:	9.8	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	115	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	80	Power factor:	See installation instructions
CRI (minimum):	80	Inrush current:	5 A / 50 µs
CRI (typical):	82	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Colour temperature [K]:	3000	Overvoltage protection:	4kV Common mode & 2kV Differential mode
MacAdam Step:	3	Control:	DALI-2
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		

Polar

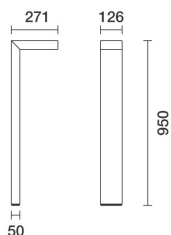


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Design Renzo Piano Building Workshop iGuzzini

Product configuration: ALS7



ALS7: Bollard H=950 mm. Transversal Asymmetric Optic. Warm LED. DALI 220-240V ac

Direct light luminaire, designed to use monochrome LED lamps. It consists of a body, an optical assembly and a fixing base. Optical assembly and die-cast aluminium glass-holder frame. 5mm thick tempered sodium-calcium closing glass with black serigraphy. Body and optical assembly subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The body encapsulates two stainless steel rods fixed to the base that make the device highly knock and vandal-resistant. Transversal Asymmetric Optic (AT) with high performance Opti-smart reflectors in superpure aluminium coated with silver deposits offering uniform light distribution. Both the LED unit and the ballast may be substituted. Optical assembly complete with electronic control gear and output power cable. Includes a gel-based IP68 connection box for pass-through wiring. High level visual comfort for pavements and walkways. All the screws used are made of A2 stainless steel.

Can be ground/floor installed using screw anchors (on pavements) or via a fixing base and plate with Dakromet coated anchors for added protection against corrosion (to be ordered separately).

Colour	Weight (Kg)
White (01) Black (04) Grey (15) Rust Brown (F5)	8

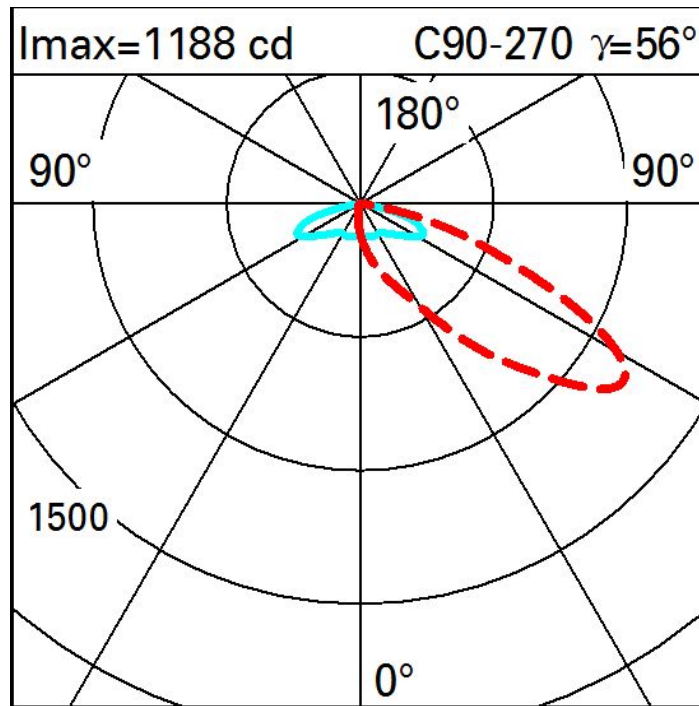
ground surface|ground anchored

Product complete with DALI 220÷240V ac electronic control gear.

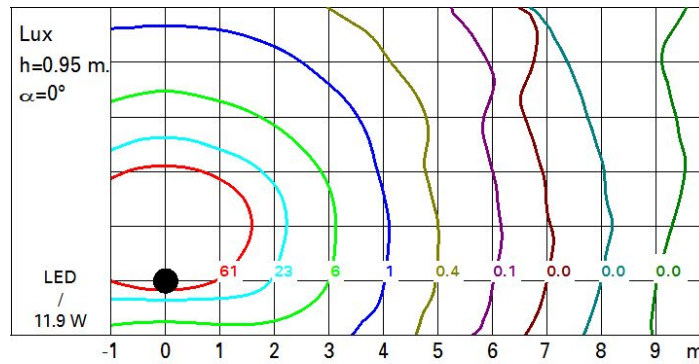
Overvoltage protection: 4kV in Common Mode (CM), 2kV in Differential Mode (DM). • The SPD accessory (JAL6) increases overvoltage protection to 6kV/10kV (CM/DM).

Im system:	1334	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	11.9	Voltage [Vin]:	230
Im source:	1710	Lamp code:	LED
W source:	9.8	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	112.1	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	78	Power factor:	See installation instructions
CRI (minimum):	80	Inrush current:	5 A / 50 µs
CRI (typical):	82	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Colour temperature [K]:	3000	Overvoltage protection:	4kV Common mode & 2kV Differential mode
MacAdam Step:	3	Control:	DALI-2
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		

Polar

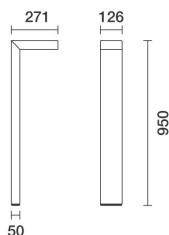


Isolux



Design Renzo Piano Building Workshop iGuzzini

Product configuration: ALS6



ALS6: Bollard H=950 mm, Longitudinal Asymmetric Optic, Warm LED, DALI 220-240V ac

Direct light luminaire, designed to use monochrome LED lamps. It consists of a body, an optical assembly and a fixing base. Optical assembly and die-cast aluminium glass-holder frame. 5mm thick tempered sodium-calcium closing glass with black serigraphy. Body and optical assembly subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The body encapsulates two stainless steel rods fixed to the base that make the device highly knock and vandal-resistant. Longitudinal Asymmetric Optic (AL) with high performance Opti-smart reflectors in superpure aluminium coated with silver deposits offering uniform light distribution. Both the LED unit and the ballast may be substituted. Optical assembly complete with electronic control gear and output power cable. Includes a gel-based IP68 connection box for pass-through wiring. High level visual comfort for pavements and walkways. All the screws used are made of A2 stainless steel.

Can be ground/floor installed using screw anchors (on pavements) or via a fixing base and plate with Dakromet coated anchors for added protection against corrosion (to be ordered separately).

Colour	Weight (Kg)
White (01) Black (04) Grey (15) Rust Brown (F5)	8

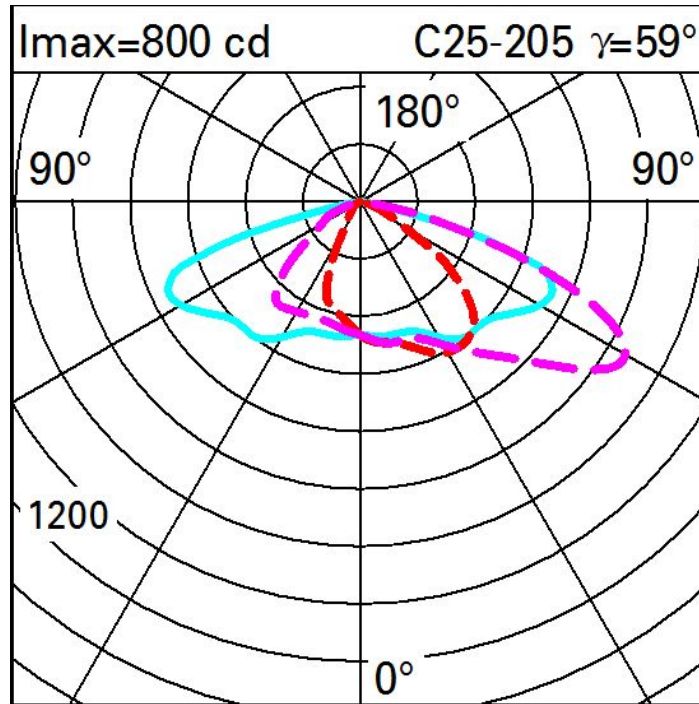
ground surface|ground anchored

Product complete with DALI 220÷240V ac electronic control gear.

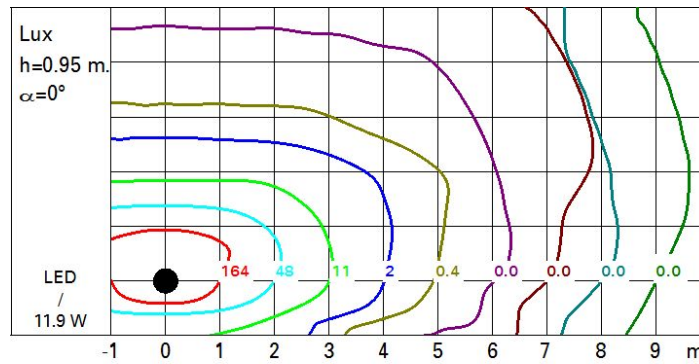
Overvoltage protection: 4kV in Common Mode (CM), 2kV in Differential Mode (DM). • The SPD accessory (JAL6) increases overvoltage protection to 6kV/10kV (CM/DM).

Im system:	1368	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	11.9	Voltage [Vin]:	230
Im source:	1710	Lamp code:	LED
W source:	9.8	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	115	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	80	Power factor:	See installation instructions
CRI (minimum):	80	Inrush current:	5 A / 50 µs
CRI (typical):	82	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Colour temperature [K]:	3000		
MacAdam Step:	3		
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	Overvoltage protection:	4kV Common mode & 2kV Differential mode
		Control:	DALI-2

Polar



Isolux



Lander

Design Renzo Piano Building Workshop iGuzzini

Design Renzo Piano Building Workshop iGuzzini

Last information update: February 2025

Product configuration: ALS1

ALS1: Bollard H=650 mm, HU Longitudinal Asymmetric Optic, Warm LED, DALI 220-240V ac



Product code

ALS1: Bollard H=650 mm, HU Longitudinal Asymmetric Optic, Warm LED, DALI 220-240V ac

Technical description

Direct light luminaire, designed to use monochrome LED lamps. It consists of a body, an optical assembly and a fixing base. Optical assembly and die-cast aluminium glass-holder frame. 5mm thick tempered sodium-calcium closing glass with black serigraphy. Body and optical assembly subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The body encapsulates two stainless steel rods fixed to the base that make the device highly knock and vandal-resistant. Longitudinal Asymmetric Optic (AL) with high performance Opti-smart reflectors in superpure aluminium coated with silver deposits offering uniform light distribution. Both the LED unit and the ballast may be substituted. Optical assembly complete with electronic control gear and output power cable. Includes a gel-based IP68 connection box for pass-through wiring. High level visual comfort for pavements and walkways. All the screws used are made of A2 stainless steel.

Installation

Can be ground/floor installed using screw anchors (on pavements) or via a fixing base and plate with Dakromet coated anchors for added protection against corrosion (to be ordered separately).

Colour	Weight (Kg)
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White (01) Black (04) Grey (15) Rust Brown (F5)	Weight (kg) 6.2
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Weight (Kg)

6.2

Mounting

ground surface|ground anchored

Wiring

Product complete with DALI 220÷240V ac electronic control gear.

Notes

Overvoltage protection: 4kV in Common Mode (CM), 2kV in Differential Mode (DM). • The SPD accessory (JAL6) increases overvoltage protection to 6kV/10kV (CM/DM).

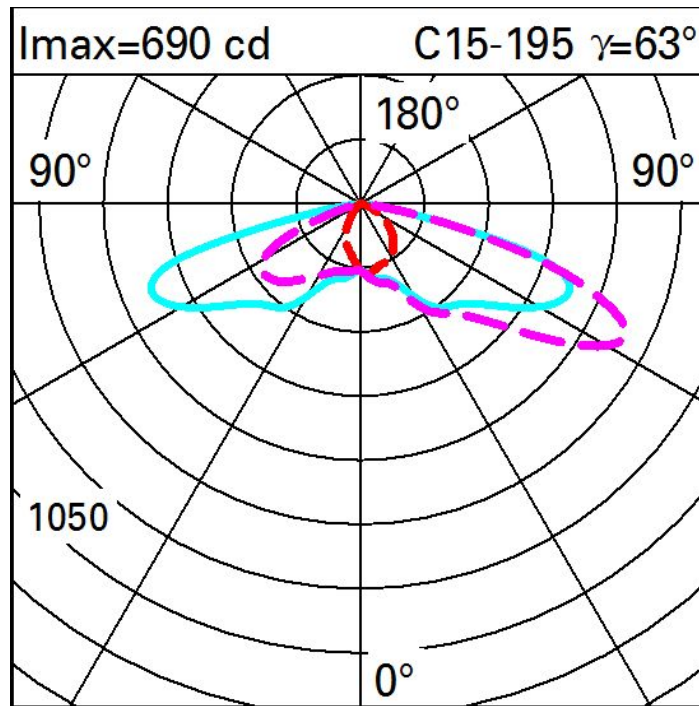
Complies with EN60598-1 and pertinent regulations



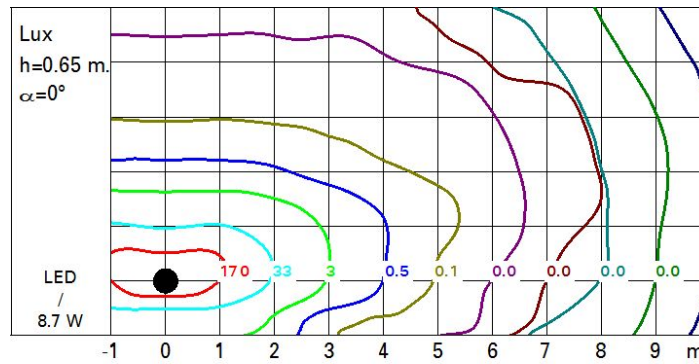
Technical data

Im system:	855	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	8.7	Voltage [Vin]:	230
Im source:	1140	Lamp code:	LED
W source:	6.5	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	98.3	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	75	Power factor:	See installation instructions
CRI (minimum):	80	Inrush current:	5 A / 50 µs
CRI (typical):	82	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Colour temperature [K]:	3000	Overvoltage protection:	4kV Common mode & 2kV Differential mode
MacAdam Step:	3	Control:	DALI-2
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		

Polar

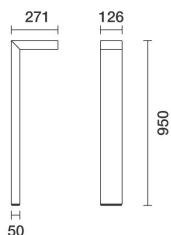


Isolux



Design Renzo Piano Building Workshop iGuzzini

Product configuration: ALS5
ALS5: Bollard H=950 mm, HU Longitudinal Asymmetric Optic, Warm LED, DALI 220-240V ac



ALS5: Bollard H=950 mm. HU Longitudinal Asymmetric Optic. Warm LED. DALI 220-240V ac

Direct light luminaire, designed to use monochrome LED lamps. It consists of a body, an optical assembly and a fixing base. Optical assembly and die-cast aluminium glass-holder frame. 5mm thick tempered sodium-calcium closing glass with black serigraphy. Body and optical assembly subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The body encapsulates two stainless steel rods fixed to the base that make the device highly knock and vandal-resistant. Longitudinal Asymmetric Optic (AL) with high performance Opti-smart reflectors in superpure aluminium coated with silver deposits offering uniform light distribution. Both the LED unit and the ballast may be substituted. Optical assembly complete with electronic control gear and output power cable. Includes a gel-based IP68 connection box for pass-through wiring. High level visual comfort for pavements and walkways. All the screws used are made of A2 stainless steel.

Can be ground/floor installed using screw anchors (on pavements) or via a fixing base and plate with Dakromet coated anchors for added protection against corrosion (to be ordered separately).

Colour	Weight (Kg)
White (01) Black (04) Grey (15) Rust Brown (F5)	8

ground surface|ground anchored

Product complete with DALI 220÷240V ac electronic control gear.

Overvoltage protection: 4kV in Common Mode (CM), 2kV in Differential Mode (DM). • The SPD accessory (JAL6) increases overvoltage protection to 6kV/10kV (CM/DM).





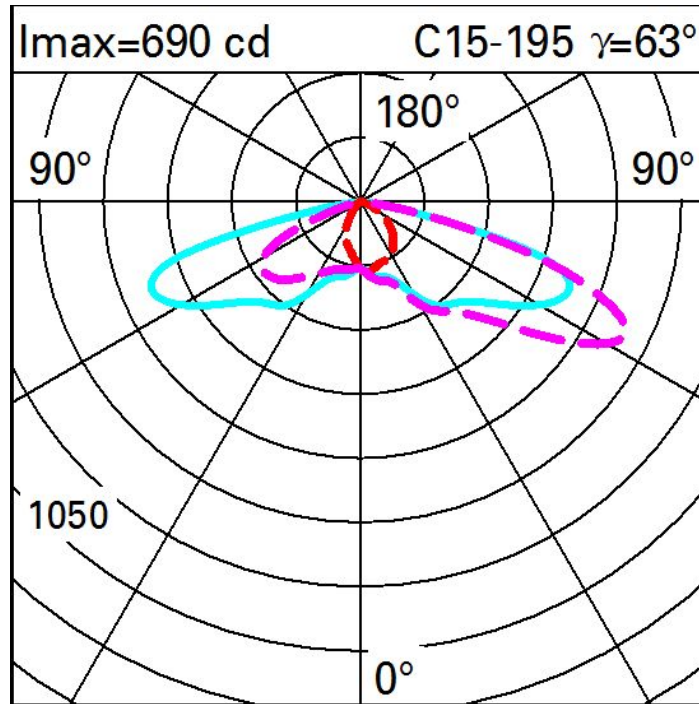




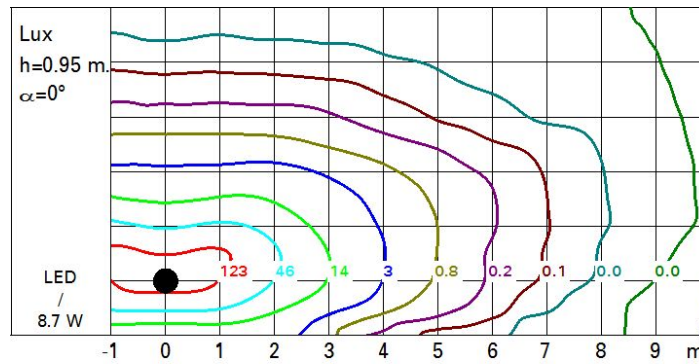


Im system:	855	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	8.7	Voltage [Vin]:	230
Im source:	1140	Lamp code:	LED
W source:	6.5	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	98.3	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	75	Power factor:	See installation instructions
CRI (minimum):	80	Inrush current:	5 A / 50 µs
CRI (typical):	82	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Colour temperature [K]:	3000		
MacAdam Step:	3	Overvoltage protection:	4kV Common mode & 2kV Differential mode
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	Control:	DALI-2

Polar



Isolux



Lander

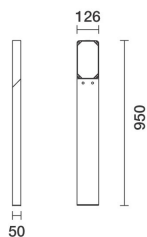
Design Renzo Piano Building Workshop

iGuzzini

Last information update: September 2024

Product configuration: ALS8

ALS8: Vertical Light Bollard, Longitudinal Asymmetric Optic, Warm LED, DALI 220-240V ac



Product code

ALS8: Vertical Light Bollard, Longitudinal Asymmetric Optic, Warm LED, DALI 220-240V ac

Technical description

Direct light luminaire, designed to use monochrome LED lamps. It consists of a body, an optical assembly and a fixing base. Optical assembly and die-cast aluminium glass-holder frame. 5mm thick tempered sodium-calcium closing glass with black serigraphy. Body and optical assembly subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The body encapsulates two stainless steel rods fixed to the base that make the device highly knock and vandal-resistant. Longitudinal Asymmetric Optic (AL) with high performance Opti-smart reflectors in superpure aluminium coated with silver deposits offering uniform light distribution. Both the LED unit and the ballast may be substituted. Optical assembly complete with electronic control gear and output power cable. Includes a gel-based IP68 connection box for pass-through wiring. High level visual comfort for wall and façade lighting. All the screws used are made of A2 stainless steel.

Installation

Can be ground/floor installed using screw anchors (on pavements) or via a fixing base and plate with Dakromet coated anchors for added protection against corrosion (to be ordered separately).

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

6.7

Mounting

ground surface|ground anchored

Wiring

Product complete with DALI 220÷240V ac electronic control gear.

Notes

Overvoltage protection: 4kV in Common Mode (CM), 2kV in Differential Mode (DM). • The SPD accessory (JAL6) increases overvoltage protection to 6kV/10kV (CM/DM).

Complies with EN60598-1 and pertinent regulations



IK09

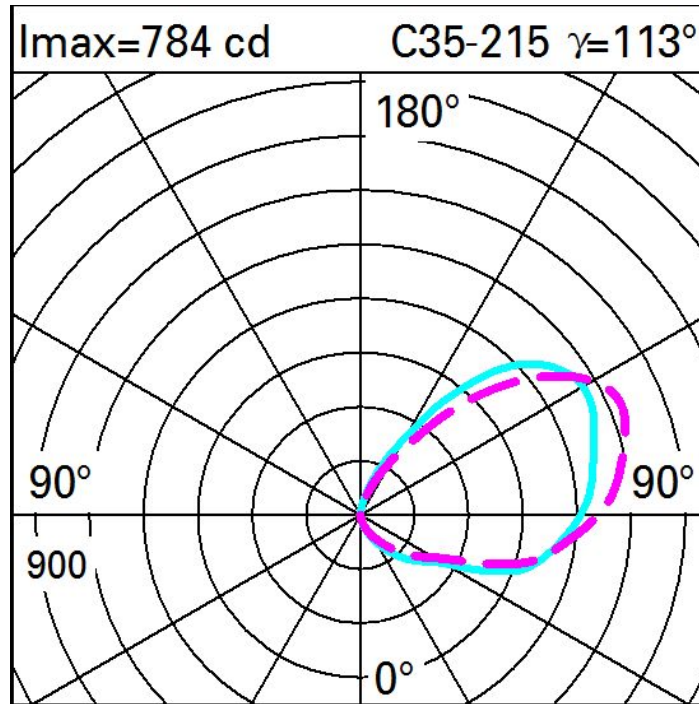
IP66



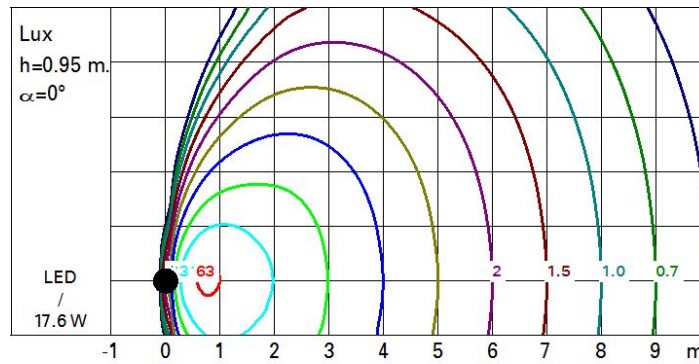
Technical data

Im system:	1903	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	17.6	Voltage [Vin]:	230
Im source:	2440	Lamp code:	LED
W source:	15	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	108.1	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	1248	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	78	Power factor:	See installation instructions
CRI (minimum):	80	Inrush current:	5 A / 50 µs
CRI (typical):	82	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Colour temperature [K]:	3000	Overvoltage protection:	4kV Common mode & 2kV Differential mode
MacAdam Step:	3	Control:	DALI-2
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		

Polar



Isolux



Lander

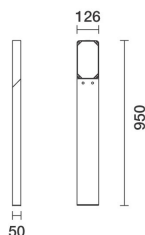
Design Renzo Piano Building Workshop

iGuzzini

Last information update: September 2024

Product configuration: ALS9

ALS9: Vertical Light Bollard, Transversal Asymmetric Optic, Warm LED, DALI 220-240V ac



Product code

ALS9: Vertical Light Bollard, Transversal Asymmetric Optic, Warm LED, DALI 220-240V ac

Technical description

Direct light luminaire, designed to use monochrome LED lamps. It consists of a body, an optical assembly and a fixing base. Optical assembly and die-cast aluminium glass-holder frame. 5mm thick tempered sodium-calcium closing glass with black serigraphy. Body and optical assembly subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The body encapsulates two stainless steel rods fixed to the base that make the device highly knock and vandal-resistant. Transversal Asymmetric Optic (AT) with high performance Opti-smart reflectors in superpure aluminium coated with silver deposits offering uniform light distribution. Both the LED unit and the ballast may be substituted. Optical assembly complete with electronic control gear and output power cable. Includes a gel-based IP68 connection box for pass-through wiring. High level visual comfort for wall and façade lighting. All the screws used are made of A2 stainless steel.

Installation

Can be ground/floor installed using screw anchors (on pavements) or via a fixing base and plate with Dakromet coated anchors for added protection against corrosion (to be ordered separately).

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

6.7

Mounting

ground surface|ground anchored

Wiring

Product complete with DALI 220÷240V ac electronic control gear.

Notes

Overvoltage protection: 4kV in Common Mode (CM), 2kV in Differential Mode (DM). • The SPD accessory (JAL6) increases overvoltage protection to 6kV/10kV (CM/DM).

Complies with EN60598-1 and pertinent regulations



IK09

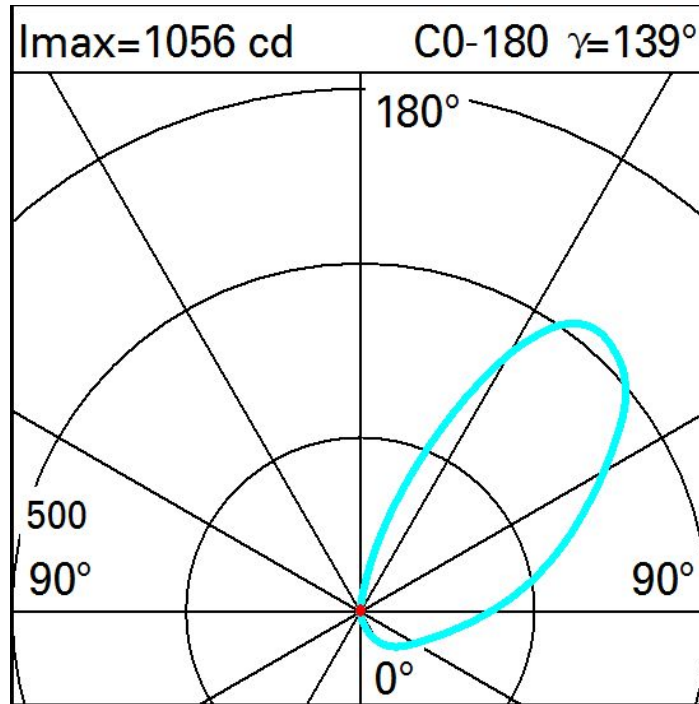
IP66



Technical data

Im system:	1879	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	17.6	Voltage [Vin]:	230
Im source:	2440	Lamp code:	LED
W source:	15	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	106.7	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	1428	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	77	Power factor:	See installation instructions
CRI (minimum):	80	Inrush current:	5 A / 50 µs
CRI (typical):	82	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Colour temperature [K]:	3000	Overvoltage protection:	4kV Common mode & 2kV Differential mode
MacAdam Step:	3	Control:	DALI-2
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		

Polar



Isolux

