

Last information update: November 2024

Product configuration: BG19

BG19: Monochrome LED luminaire with electronic control gear

**Product code**

BG19: Monochrome LED luminaire with electronic control gear

Technical description

External direct-light luminaire to be applied to the ground designed to use LED lamps with symmetrical optic. The product is made up of lamp compartment and body. The cylindrical body is made of extruded aluminium and subject to painting and chromate treatment. It houses three stainless-steel rods fixed to the base that make it highly shock-resistant. The product is anchored to the ground by means of a fixing base made of a corrosion-proof diecast aluminium alloy with low copper content. The polycarbonate diffuser screen is fixed to the component-holding box by a diecast-aluminium internal fixing ring. The sheet-aluminium lamp cover is designed to house accessories. The lid-hinging ring is made of diecast aluminium subject to painting and chromate treatment. The top of the fitting is closed by a diecast-aluminium external lid with bayonet-closing system and fixing bolt. The screw can be removed by a socket-head spanner (special spanner upon request). The superpure-aluminium reflector is fixed to the internal end cap by captive screws. The component-holding compartment is made of diecast aluminium. The temperature of all accessible parts never exceeds 75° C. All external screws are made of stainless steel A2.

Installation

Application either directly by fisher screws (floor) or by fixing bases and outer casing with Dakromet-coated bars against corrosion (to be ordered separately).

Colour

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

Weight (Kg)

3.15

Mounting

ground anchored

Wiring

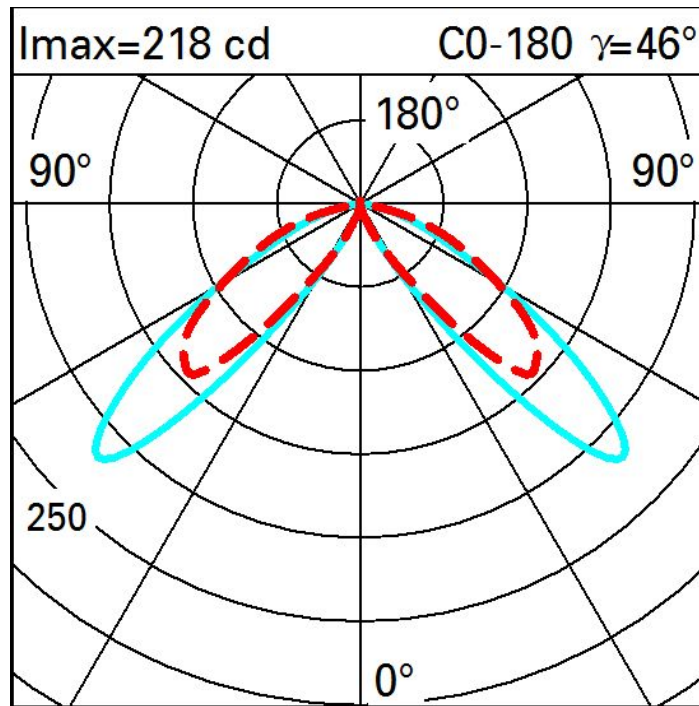
The fitting houses an extractable component-holding plate fixed to the box by captive screws and a fast electrical disconnection system. Electronic control gear. The control-gear box can be equipped with double PG for through wiring upon request. Completing with projecting cable H05RN-F 2x1mm²L=1600mm.

Complies with EN60598-1 and pertinent regulations

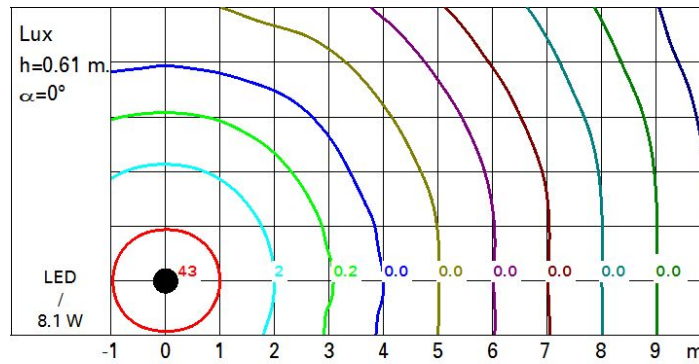
**Technical data**

lm system:	413	MacAdam Step:	2
W system:	8.1	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
lm source:	780	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W source:	6	Lamp code:	LED
Luminous efficiency (lm/W, real value):	51	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	6	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	53	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	Power factor:	See installation instructions
Colour temperature [K]:	4000	Control:	On/off

Polar



Isolux



Last information update: November 2024

Product configuration: BG20

BG20: Monochrome LED luminaire with electronic control gear

**Product code**

BG20: Monochrome LED luminaire with electronic control gear

Technical description

External direct-light luminaire to be applied to the ground designed to use LED lamps with symmetrical optic. The product is made up of lamp compartment and body. The cylindrical body is made of extruded aluminium and subject to painting and chromate treatment. It houses three stainless-steel rods fixed to the base that make it highly shock-resistant. The product is anchored to the ground by means of a fixing base made of a corrosion-proof diecast aluminium alloy with low copper content. The polycarbonate diffuser screen is fixed to the component-holding box by a diecast-aluminium internal fixing ring. The sheet-aluminium lamp cover is designed to house accessories. The lid-hinging ring is made of diecast aluminium subject to painting and chromate treatment. The top of the fitting is closed by a diecast-aluminium external lid with bayonet-closing system and fixing bolt. The screw can be removed by a socket-head spanner (special spanner upon request). The superpure-aluminium reflector is fixed to the internal end cap by captive screws. The component-holding compartment is made of diecast aluminium. The temperature of all accessible parts never exceeds 75° C. All external screws are made of stainless steel A2.

Installation

Application either directly by fisher screws (floor) or by fixing bases and outer casing with Dakromet-coated bars against corrosion (to be ordered separately).

Colour

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

Weight (Kg)

3.15

Mounting

ground anchored

Wiring

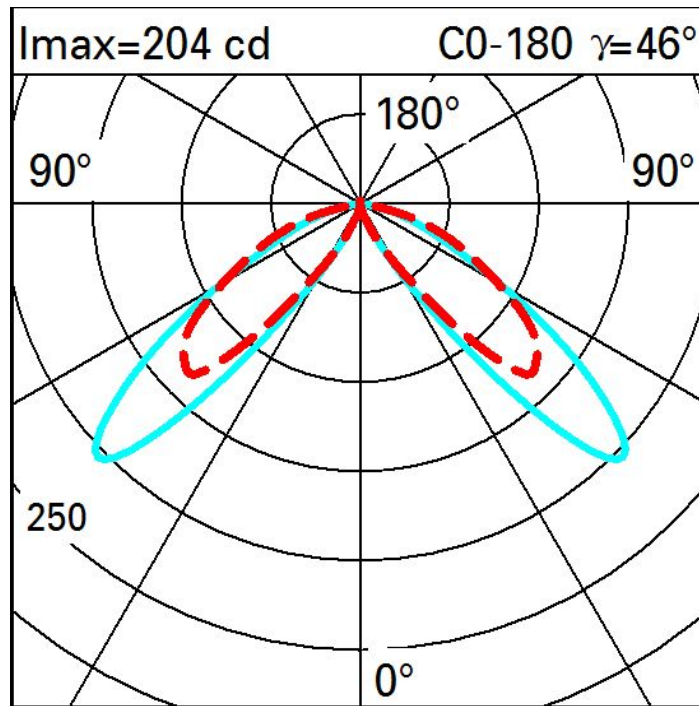
The fitting houses an extractable component-holding plate fixed to the box by captive screws and a fast electrical disconnection system. Electronic control gear. The control-gear box can be equipped with double PG for through wiring upon request. Completing with projecting cable H05RN-F 2x1mm²L=600mm.

Complies with EN60598-1 and pertinent regulations

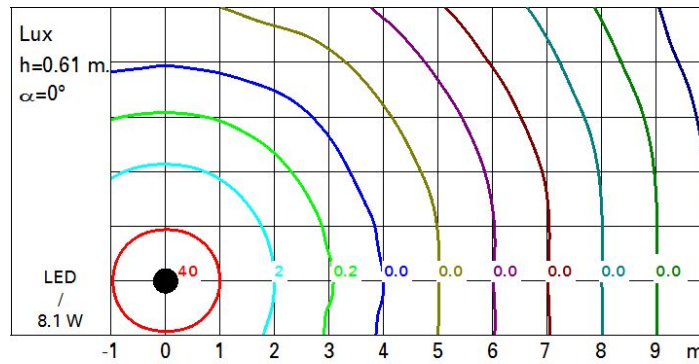
**Technical data**

lm system:	387	MacAdam Step:	2
W system:	8.1	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
lm source:	730	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W source:	6	Lamp code:	LED
Luminous efficiency (lm/W, real value):	47.8	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	6	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	53	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	Power factor:	See installation instructions
Colour temperature [K]:	3000	Control:	On/off

Polar



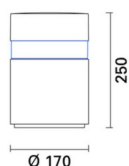
Isolux



Last information update: September 2024

Product configuration: BW74

BW74: Bollard D=170mm H=250mm Neutral White Led with DALI electronic ballast and symmetrical optic

**Product code**

BW74: Bollard D=170mm H=250mm Neutral White Led with DALI electronic ballast and symmetrical optic

Technical description

Outdoor direct light luminaire which can be planted in the ground, designed to use neutral white LED lamps, with symmetrical optic. The product consists of the lamp assembly and the body. The cylindrical body is made of extruded aluminium with chromate coating treatment and painting. It houses the three stainless steel rods fixed to the base, giving the product a high level of resistance to impacts. The product is anchored to the ground by the fixing base made of corrosion-resistant low copper content die-cast aluminium alloy. The diffuser screen is made of transparent polycarbonate, and is secured to the component-holding box by a die-cast aluminium internal fixing ring. The sheet aluminium lamp cover guard includes housings for accessories. The ring for coupling the cover is made of die-cast aluminium with chromate coating treatment and painting. The top of the luminaire is closed by a die-cast aluminium outer cover, with a bayonet catch and a fixing screw. The screw can be removed with an Allen key (or with a special key upon request). The super-pure aluminium reflector is fixed to the inner cover plate by captive screws. The component-holding box is made of die-cast aluminium. All accessible parts have a top temperature of 50° C. All external screws used are made of A2 stainless steel.

Installation

Can be installed directly using Fischer fixings (on the ground), or using a fixing base and fixing plate with clamps coated in Dacromet, for an additional guarantee against corrosion (to be ordered separately).

Colour

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

Weight (Kg)

4.26

Mounting

ground anchored

Wiring

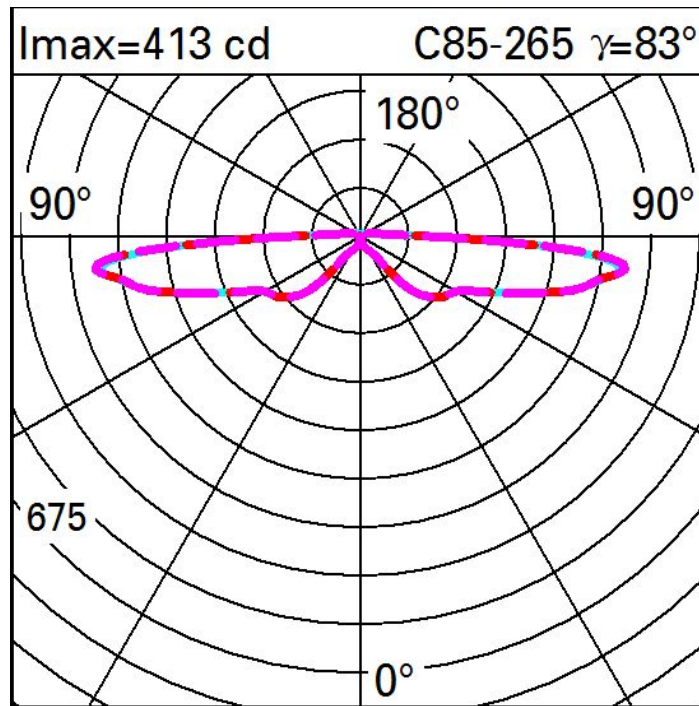
Inside the luminaire is the removable component-holding plate, secured to the box with captive screws and the quick coupling for the electrical connections. DALI Electronic control gear. Complete with rubber output cable A07RN-F 4x1mm L=1700 mm.

Complies with EN60598-1 and pertinent regulations

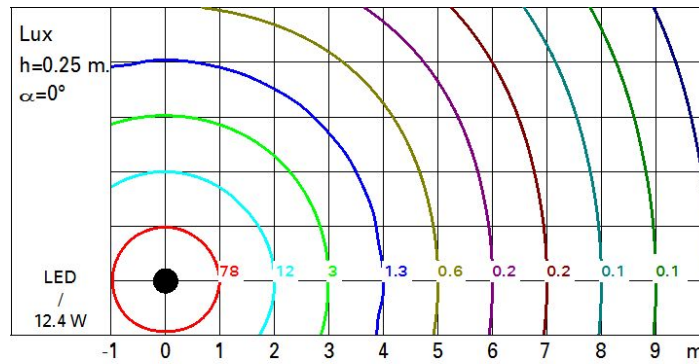
**Technical data**

lm system:	1269	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W system:	12.4	Lamp code:	LED
lm source:	2150	Number of lamps for optical assembly:	1
W source:	11	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	102.3	Number of optical assemblies:	1
lm in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	101	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	59	Inrush current:	9.2 A / 25 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 27 luminaires B16A: 44 luminaires C10A: 45 luminaires C16A: 74 luminaires
Colour temperature [K]:	4000	Minimum dimming %:	5
MacAdam Step:	3	Overvoltage protection:	6kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)	Control:	DALI-2

Polar



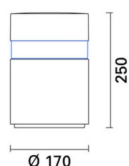
Isolux



Last information update: September 2024

Product configuration: BW75

BW75: Bollard D=170mm H=250mm Warm White Led with DALI electronic ballast and symmetrical optic

**Product code**

BW75: Bollard D=170mm H=250mm Warm White Led with DALI electronic ballast and symmetrical optic

Technical description

Outdoor direct light luminaire which can be planted in the ground, designed to use warm white LED lamps, with symmetrical optic. The product consists of the lamp assembly and the body. The cylindrical body is made of extruded aluminium with chromate coating treatment and painting. It houses the three stainless steel rods fixed to the base, giving the product a high level of resistance to impacts. The product is anchored to the ground by the fixing base made of corrosion-resistant low copper content die-cast aluminium alloy. The diffuser screen is made of transparent polycarbonate, and is secured to the component-holding box by a die-cast aluminium internal fixing ring. The sheet aluminium lamp cover guard includes housings for accessories. The ring for coupling the cover is made of die-cast aluminium with chromate coating treatment and painting. The top of the luminaire is closed by a die-cast aluminium outer cover, with a bayonet catch and a fixing screw. The screw can be removed with an Allen key (or with a special key upon request). The super-pure aluminium reflector is fixed to the inner cover plate by captive screws. The component-holding box is made of die-cast aluminium. All accessible parts have a top temperature of 50° C. All external screws used are made of A2 stainless steel.

Installation

Can be installed directly using Fischer fixings (on the ground), or using a fixing base and fixing plate with clamps coated in Dacromet, for an additional guarantee against corrosion (to be ordered separately).

Colour

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

Weight (Kg)

4.26

Mounting

ground anchored

Wiring

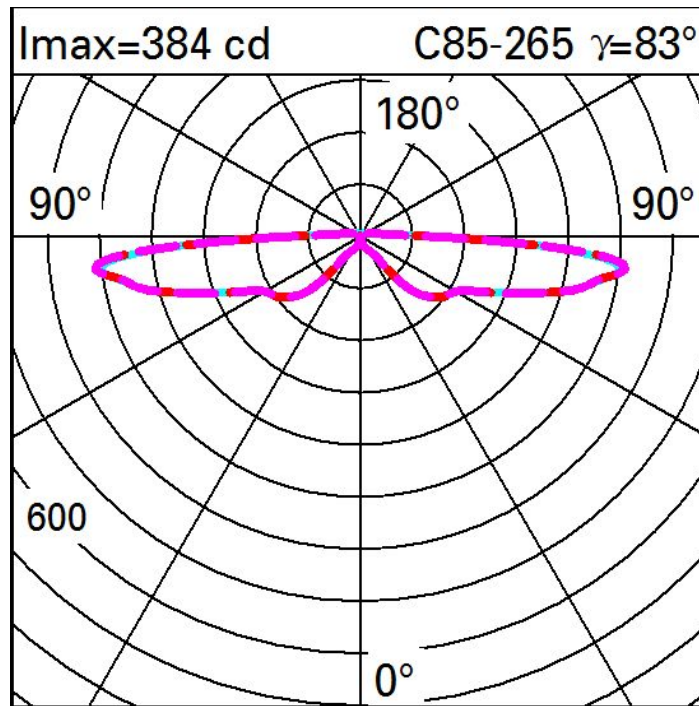
Inside the luminaire is the removable component-holding plate, secured to the box with captive screws and the quick coupling for the electrical connections. DALI Electronic control gear. Complete with rubber output cable A07RN-F 4x1mm L=1700 mm.

Complies with EN60598-1 and pertinent regulations

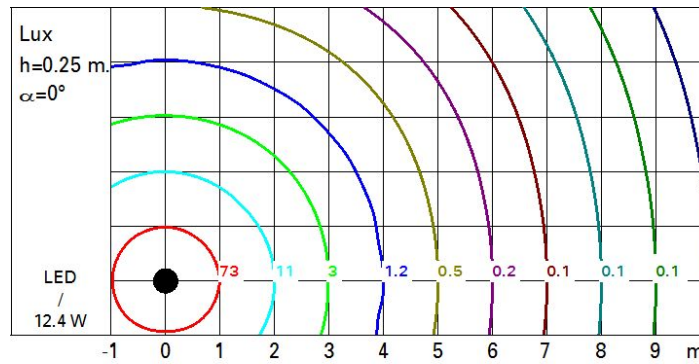
**Technical data**

lm system:	1180	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W system:	12.4	Lamp code:	LED
lm source:	2000	Number of lamps for optical assembly:	1
W source:	11	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	95.2	Number of optical assemblies:	1
lm in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	94	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	59	Inrush current:	9.2 A / 25 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 27 luminaires B16A: 44 luminaires C10A: 45 luminaires C16A: 74 luminaires
Colour temperature [K]:	3000	Minimum dimming %:	5
MacAdam Step:	3	Overvoltage protection:	6kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)	Control:	DALI-2

Polar



Isolux



Product configuration: BW76

BW76: Bollard D=170mm H=610mm Neutral White Led with DALI electronic ballast and symmetrical optic



BW76: Bollard D=170mm H=610mm Neutral White Led with DALI electronic ballast and symmetrical optic

Outdoor direct light luminaire which can be planted in the ground, designed to use neutral white LED lamps, with symmetrical optic. The product consists of the lamp assembly and the body. The cylindrical body is made of extruded aluminium with chromate coating treatment and painting. It houses the three stainless steel rods fixed to the base, giving the product a high level of resistance to impacts. The product is anchored to the ground by the fixing base made of corrosion-resistant low copper content die-cast aluminium alloy. The diffuser screen is made of transparent polycarbonate, and is secured to the component-holding box by a die-cast aluminium internal fixing ring. The sheet aluminium lamp cover guard includes housings for accessories. The ring for coupling the cover is made of die-cast aluminium with chromate coating treatment and painting. The top of the luminaire is closed by a die-cast aluminium outer cover, with a bayonet catch and a fixing screw. The screw can be removed with an Allen key (or with a special key upon request). The super-pure aluminium reflector is fixed to the inner cover plate by captive screws. The component-holding box is made of die-cast aluminium. All accessible parts have a top temperature of 50° C. All external screws used are made of A2 stainless steel.

Can be installed directly using Fischer fixings (on the ground), or using a fixing base and fixing plate with clamps coated in Dacromet, for an additional guarantee against corrosion (to be ordered separately).

Colour	Weight (Kg)
White (01) Black (04) Grey (15) Rust Brown (F5)	7.02

ground anchored

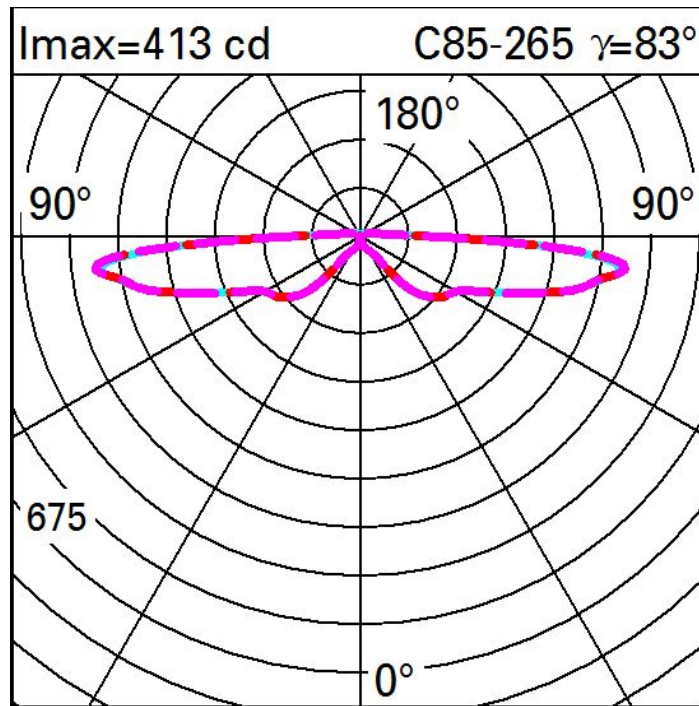
Inside the luminaire is the removable component-holding plate, secured to the box with captive screws and the quick coupling for the electrical connections. DALI Electronic control gear. Complete with rubber output cable A07RN-F 4x1mm L=1700 mm.

Complies with EN60598-1 and pertinent regulations

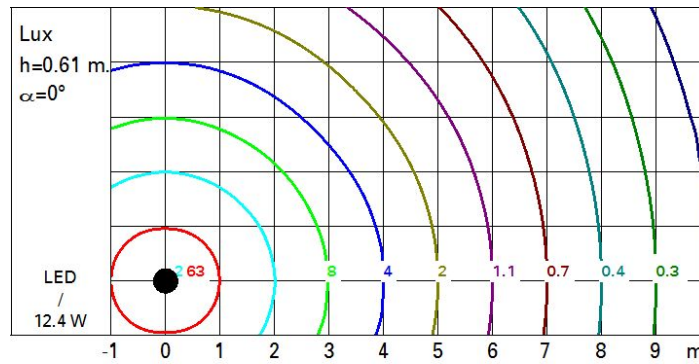


Im system:	1269	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W system:	12.4	Lamp code:	LED
Im source:	2150	Number of lamps for optical assembly:	1
W source:	11	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	102.3	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	101	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	59	Inrush current:	9.2 A / 25 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 27 luminaires B16A: 44 luminaires C10A: 45 luminaires C16A: 74 luminaires
Colour temperature [K]:	4000	Minimum dimming %:	5
MacAdam Step:	3	Overvoltage protection:	6kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)	Control:	DALI-2

Polar



Isolux



Product configuration: BW78
BW78: Bollard D=170mm H=1000mm Neutral White Led with DALI electronic ballast and symmetrical optic



BW78: Bollard D=170mm H=1000mm Neutral White Led with DALI electronic ballast and symmetrical optic

Outdoor direct light luminaire which can be planted in the ground, designed to use neutral white LED lamps, with symmetrical optic. The product consists of the lamp assembly and the body. The cylindrical body is made of extruded aluminium with chromate coating treatment and painting. It houses the three stainless steel rods fixed to the base, giving the product a high level of resistance to impacts. The product is anchored to the ground by the fixing base made of corrosion-resistant low copper content die-cast aluminium alloy. The diffuser screen is made of transparent polycarbonate, and is secured to the component-holding box by a die-cast aluminium internal fixing ring. The sheet aluminium lamp cover guard includes housings for accessories. The ring for coupling the cover is made of die-cast aluminium with chromate coating treatment and painting. The top of the luminaire is closed by a die-cast aluminium outer cover, with a bayonet catch and a fixing screw. The screw can be removed with an Allen key (or with a special key upon request). The super-pure aluminium reflector is fixed to the inner cover plate by captive screws. The component-holding box is made of die-cast aluminium. All accessible parts have a top temperature of 50° C. All external screws used are made of A2 stainless steel.

Can be installed directly using Fischer fixings (on the ground), or using a fixing base and fixing plate with clamps coated in Dacromet, for an additional guarantee against corrosion (to be ordered separately).

Colour	Weight (Kg)
White (01) Black (04) Grey (15) Rust Brown (F5)	9.86

ground anchored

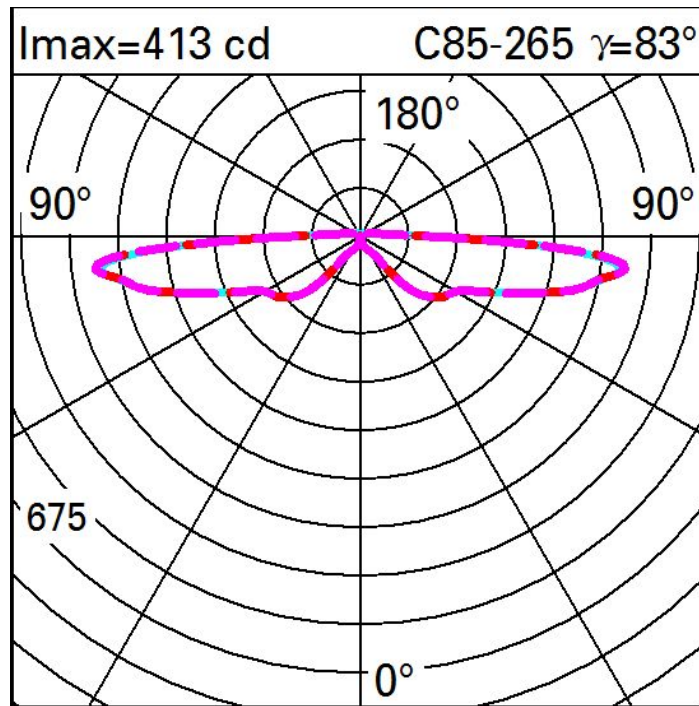
Inside the luminaire is the removable component-holding plate, secured to the box with captive screws and the quick coupling for the electrical connections. DALI Electronic control gear. Complete with rubber output cable A07RN-F 4x1mm L=1700 mm.

Complies with EN60598-1 and pertinent regulations

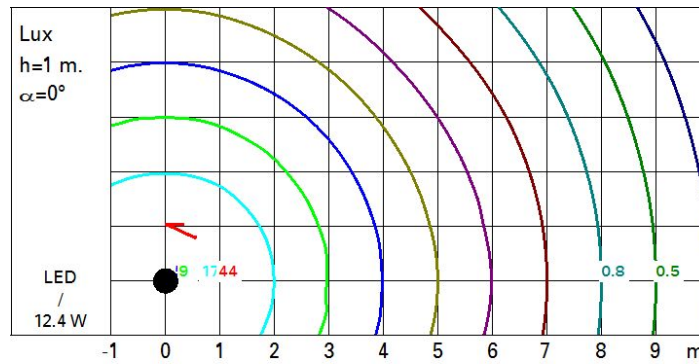


Im system:	1269	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W system:	12.4	Lamp code:	LED
Im source:	2150	Number of lamps for optical assembly:	1
W source:	11	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	102.3	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	101	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	59	Inrush current:	9.2 A / 25 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 27 luminaires B16A: 44 luminaires C10A: 45 luminaires C16A: 74 luminaires
Colour temperature [K]:	4000	Minimum dimming %:	5
MacAdam Step:	3	Overvoltage protection:	6kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)	Control:	DALI-2

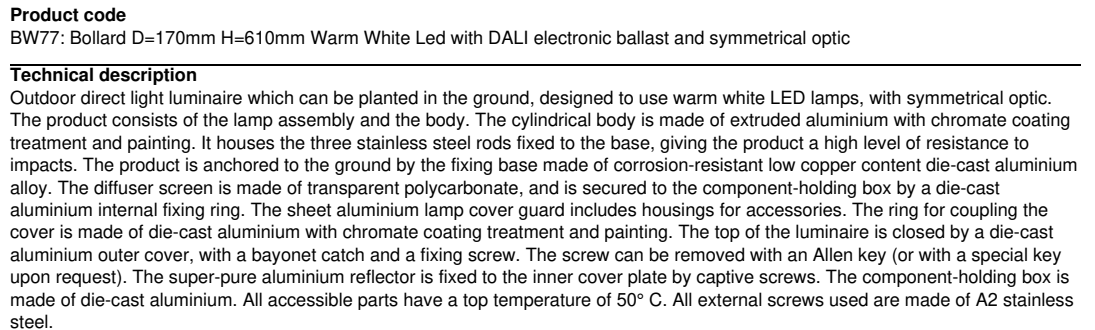
Polar



Isolux



Product configuration: BW77
BW77: Bollard D=170mm H=610mm Warm White Led with DALI electronic ballast and symmetrical optic

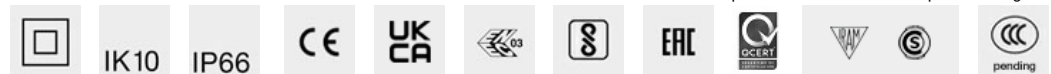


Can be installed directly using Fischer fixings (on the ground), or using a fixing base and fixing plate with clamps coated in Dacromet, for an additional guarantee against corrosion (to be ordered separately).

Mounting
ground anchored

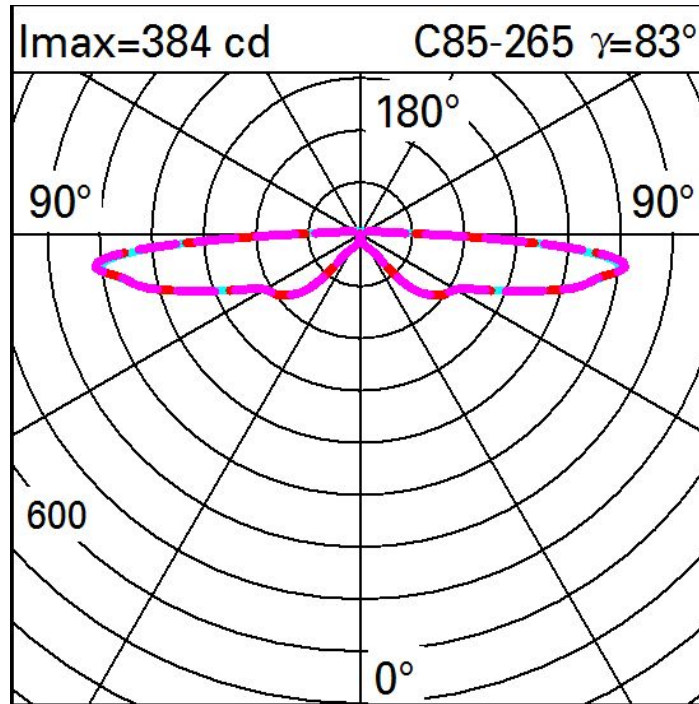
Inside the luminaire is the removable component-holding plate, secured to the box with captive screws and the quick coupling for the electrical connections. DALI Electronic control gear. Complete with rubber output cable A07RN-F 4x1mm L=1700 mm.

Complies with EN60598-1 and pertinent regulations

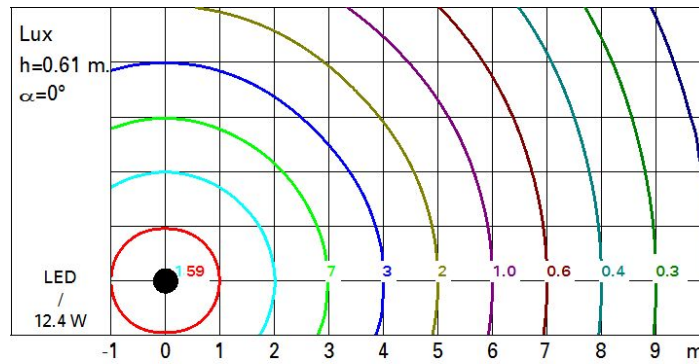


Im system:	1180	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W system:	12.4	Lamp code:	LED
Im source:	2000	Number of lamps for optical assembly:	1
W source:	11	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	95.2	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	94	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	59	Inrush current:	9.2 A / 25 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 27 luminaires B16A: 44 luminaires C10A: 45 luminaires C16A: 74 luminaires
Colour temperature [K]:	3000		
MacAdam Step:	3	Minimum dimming %:	5
Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)	Overvoltage protection:	6kV Common mode & 6kV Differential mode
		Control:	DALI-2

Polar



Isolux



Product configuration: BW79

BW79: Bollard D=170mm H=1000mm Warm White Led with DALI electronic ballast and symmetrical optic



BW79: Bollard D=170mm H=1000mm Warm White Led with DALI electronic ballast and symmetrical optic

Outdoor direct light luminaire which can be planted in the ground, designed to use warm white LED lamps, with symmetrical optic. The product consists of the lamp assembly and the body. The cylindrical body is made of extruded aluminium with chromate coating treatment and painting. It houses the three stainless steel rods fixed to the base, giving the product a high level of resistance to impacts. The product is anchored to the ground by the fixing base made of corrosion-resistant low copper content die-cast aluminium alloy. The diffuser screen is made of transparent polycarbonate, and is secured to the component-holding box by a die-cast aluminium internal fixing ring. The sheet aluminium lamp cover guard includes housings for accessories. The ring for coupling the cover is made of die-cast aluminium with chromate coating treatment and painting. The top of the luminaire is closed by a die-cast aluminium outer cover, with a bayonet catch and a fixing screw. The screw can be removed with an Allen key (or with a special key upon request). The super-pure aluminium reflector is fixed to the inner cover plate by captive screws. The component-holding box is made of die-cast aluminium. All accessible parts have a top temperature of 50° C. All external screws used are made of A2 stainless steel.

Can be installed directly using Fischer fixings (on the ground), or using a fixing base and fixing plate with clamps coated in Dacromet, for an additional guarantee against corrosion (to be ordered separately).

Colour	Weight (Kg)
White (01) Black (04) Grey (15) Rust Brown (F5)	9.86

ground anchored

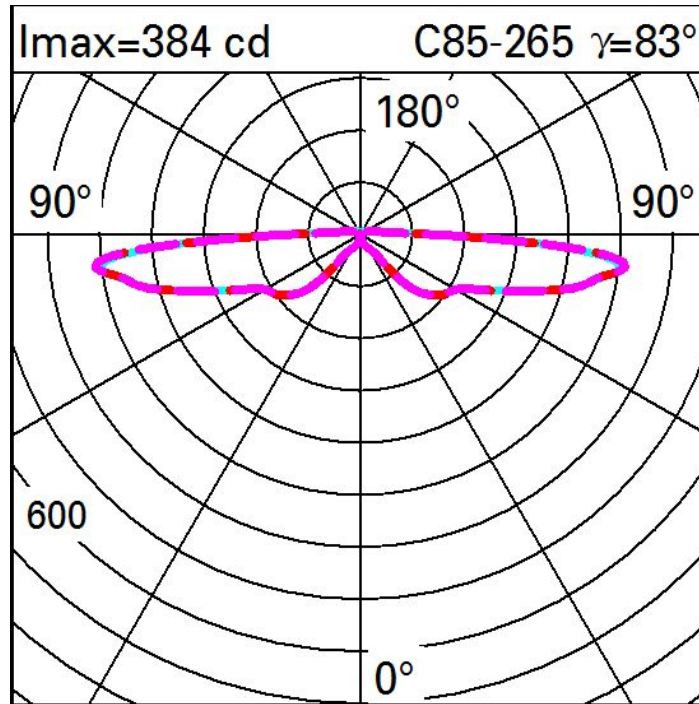
Inside the luminaire is the removable component-holding plate, secured to the box with captive screws and the quick coupling for the electrical connections. DALI Electronic control gear. Complete with rubber output cable A07RN-F 4x1mm L=1700 mm.

Complies with EN60598-1 and pertinent regulations



Im system:	1180	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W system:	12.4	Lamp code:	LED
Im source:	2000	Number of lamps for optical assembly:	1
W source:	11	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	95.2	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	94	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	59	Inrush current:	9.2 A / 25 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 27 luminaires B16A: 44 luminaires C10A: 45 luminaires C16A: 74 luminaires
Colour temperature [K]:	3000	Minimum dimming %:	5
MacAdam Step:	3	Overvoltage protection:	6kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)	Control:	DALI-2

Polar



Isolux

