

Last information update: November 2024

Product configuration: EX35

EX35: 47 recessed Remote – Warm White – 48V dc DALI – L=907mm – Wall Grazing Spot optic

**Product code**

EX35: 47 recessed Remote – Warm White – 48V dc DALI – L=907mm – Wall Grazing Spot optic

Technical description

Direct light luminaire, designed to use monochrome LED lamps, DALI 48Vdc dimmable with searching and addressing function and transparent glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8mm thick, transparent extra clear glass screen with serigraphy and fixed with silicone. Complete with monochrome multi-LED plate and a 48V dc DALI electronic driver (ballast to be ordered separately). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm. To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

3.82

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Wiring

Complete with DALI 44÷52Vdc control card. The product is supplied with a nickel-plated brass PG11 double cable gland with H07RN-F 4x1, 5mm² rubber outlet cables for pass-through wiring with connectors (illegible part). Available for electrical connection and DALI control: IP68 4-pin female connector, IP68 4-pin male connector + closing cap, and IP68 4-pin male + female connectors.

Notes

Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

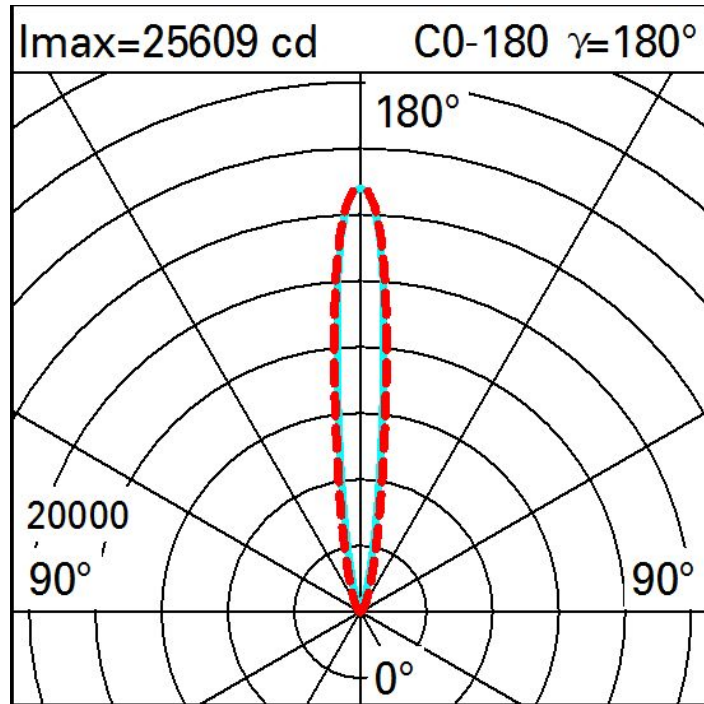


The lighting fixtures were designed and tested to withstand a static load of up to 20000 N.

Technical data

Im system:	2448	MacAdam Step:	3
W system:	30.7	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	3600	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	26	Voltage [Vin]:	48
Luminous efficiency (Im/W, real value):	79.7	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	2448	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	68	Number of optical assemblies:	1
CRI (minimum):	80	Intervallo temperatura ambiente:	from -30°C to 50°C.
Colour temperature [K]:	3000	Control:	DALI-2

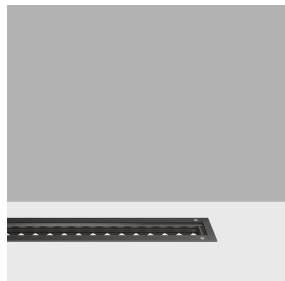
Polar



Last information update: November 2024

Product configuration: EX51

EX51: 47 recessed Remote – Warm White – 48V dc DALI – L=907mm – Wall Grazing Medium optic

**Product code**

EX51: 47 recessed Remote – Warm White – 48V dc DALI – L=907mm – Wall Grazing Medium optic

Technical description

Direct light luminaire, designed to use monochrome LED lamps, DALI 48Vdc dimmable with searching and addressing function and transparent glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8mm thick, transparent extra clear glass screen with serigraphy and fixed with silicone. Complete with monochrome multi-LED plate and a 48V dc DALI electronic driver (ballast to be ordered separately). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm. To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

3.82

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Wiring

Complete with DALI 44÷52Vdc control card. For the electrical connection the product has a lower box holding the terminal board (5+5poles, max 2.5mm²) and two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm.

Notes

Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

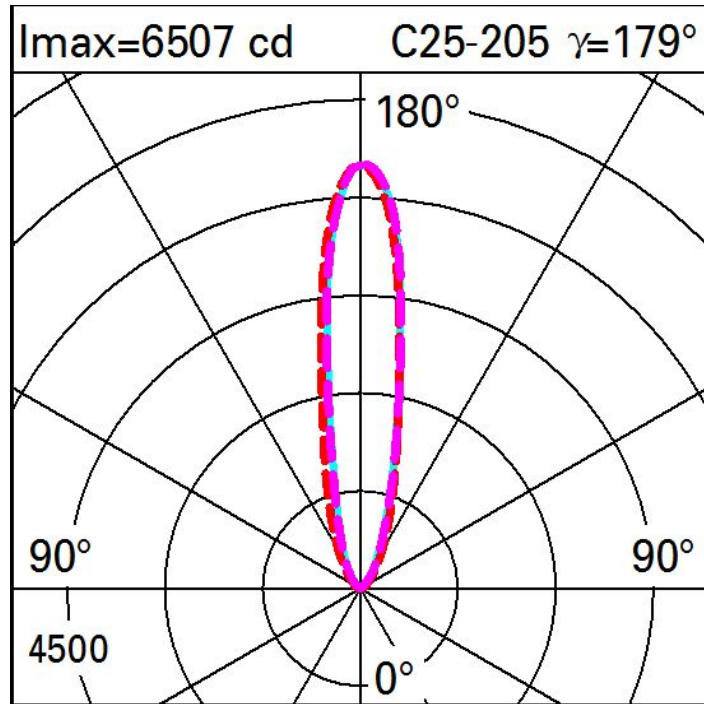


The lighting fixtures were designed and tested to withstand a static load of up to 20000 N.

Technical data

Im system:	1776	MacAdam Step:	3
W system:	30.7	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	3350	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	26	Voltage [Vin]:	48
Luminous efficiency (Im/W, real value):	57.8	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	1776	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	53	Number of optical assemblies:	1
CRI (minimum):	80	Intervallo temperatura ambiente:	from -30°C to 50°C.
Colour temperature [K]:	2700	Control:	DALI-2

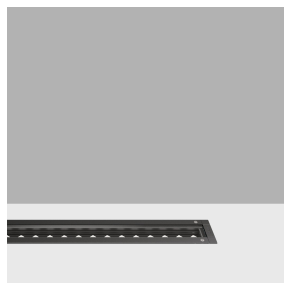
Polar



Last information update: November 2024

Product configuration: EX65

EX65: 47 recessed Remote – Warm White – 48V dc DALI – L=1501mm – Wide Flood Wall Grazing optic

**Product code**

EX65: 47 recessed Remote – Warm White – 48V dc DALI – L=1501mm – Wide Flood Wall Grazing optic

Technical description

Direct light luminaire, designed to use monochrome LED lamps, DALI 48Vdc dimmable with searching and addressing function and transparent glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8mm thick, transparent extra clear glass screen with serigraphy and fixed with silicone. Complete with monochrome multi-LED plate and a 48V dc DALI electronic driver (ballast to be ordered separately). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm. To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

6.37

Mounting

wall recessed|Floor recessed|ceiling recessed

Wiring

Complete with DALI 44÷52Vdc control card. For the electrical connection the product has a lower box holding the terminal board (5÷5poles, max 2.5mm²) and two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm.

Notes

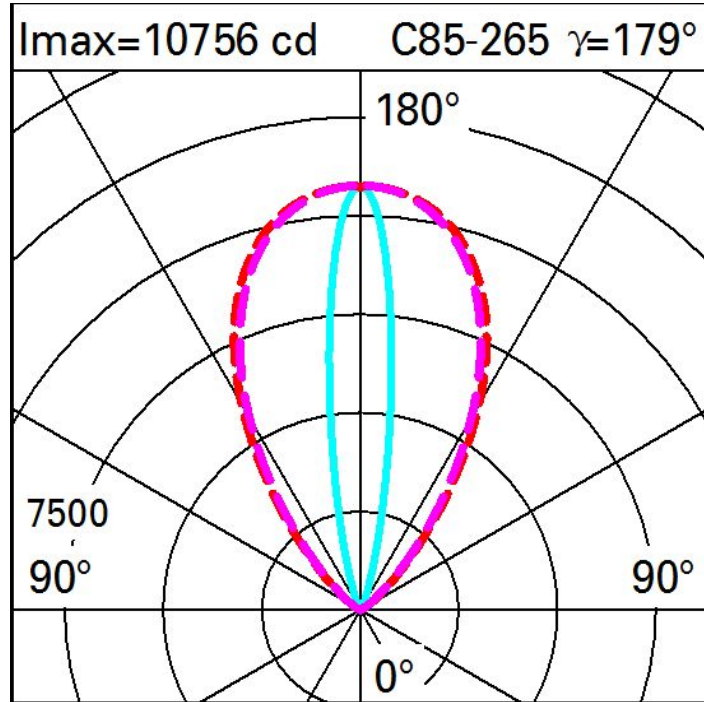
Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	3976	MacAdam Step:	3
W system:	47.7	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
lm source:	5600	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	43	Voltage [Vin]:	48
Luminous efficiency (lm/W, real value):	83.4	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	3976	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	71	Number of optical assemblies:	1
CRI (minimum):	80	Intervallo temperatura ambiente:	from -30°C to 50°C.
Colour temperature [K]:	2700	Control:	DALI-2

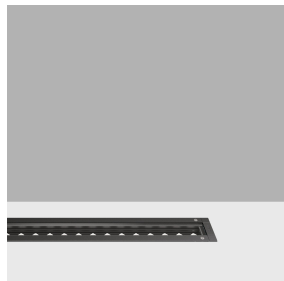
Polar



Last information update: October 2024

Product configuration: EY30

EY30: 47 recessed Remote – 48 Vdc DMX512-RDM – L=1204mm – Wide Flood Wall Grazing optic

**Product code**

EY30: 47 recessed Remote – 48 Vdc DMX512-RDM – L=1204mm – Wide Flood Wall Grazing optic

Technical description

Direct light luminaire, designed to use monochrome LED lamps, 48Vdc dimmable (or DMX512-RDM) with searching and addressing function and transparent glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8mm thick, transparent extra clear glass screen with serigraphy and fixed with silicone. It is completed with a multi-LED plate with individual red and green LEDs. Blue and white in the 4000K/3000 (RGBW) version and a 48V dc DMX512-RDM electronic driver (ballast to be ordered separately). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 and outlet cables for pass-through wiring (connectors to be ordered separately). To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

5.1

Mounting

wall recessed|Floor recessed|ceiling recessed

Wiring

Complete with 44-52Vdc DMX-RDM control card. For the electrical connection the product has a lower box with two nickel-plated brass cable glands PG11 and 05RN-F 2x1,5mm²+3x0,35mm² outlet cables for pass-through wiring (connectors to be ordered separately).

Notes

Product complete with LED lamp. DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- cables of the last product in the line (BZQ7).

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	1494.1	Life Time LED 1:	100,000h - L80 - B10 (Ta 25C)
W system:	25.0	Life Time LED 2:	100,000h - L80 - B10 (Ta 40C)
Im source:	2230	Voltage [Vin]:	48
W source:	20	Lamp code:	LED
Luminous efficiency (Im/W, real value):	59.76	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	1494.1	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	67	Intervalllo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	18° / 66°	LED current [mA]:	0.225
Colour temperature [K]:	RGBW - 4000K	Control:	DMX-RDM

Last information update: October 2024

Product configuration: UB90

UB90: 47 Recessed Integral – Warm White – 220-240Vac DALI – L=610mm – Wide Flood optic - Non-slip glass cover

**Product code**

UB90: 47 Recessed Integral – Warm White – 220-240Vac DALI – L=610mm – Wide Flood optic - Non-slip glass cover

Technical description

Direct light luminaire, designed to use monochrome LED lamps, DALI 220÷240Vac dimmable with searching and addressing function and non-slip glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8 mm thick, non-slip glass screen (conforming to class R13 in accordance with DIN 51130), fixed with silicone. Complete with monochrome multi-LED plate and a 220-240Vac DALI electronic driver (ballast included). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm. To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

2.75

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Wiring

Complete with DALI control card and a 220÷240Vac electronic ballast. For the electrical connection the product has a lower box holding the terminal board (5+5poles, max 2.5mm²) and two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm.

Notes

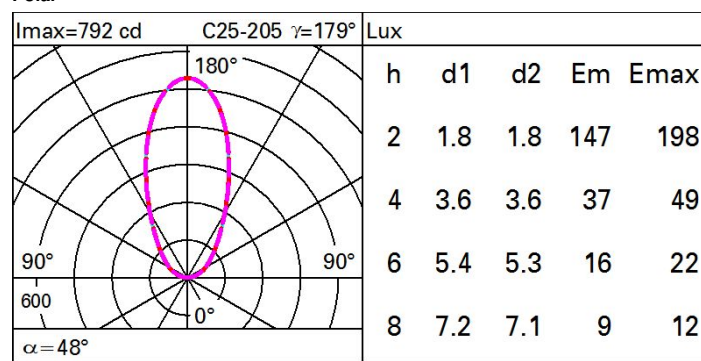
Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	878	MacAdam Step:	3
W system:	22.7	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	2250	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	17	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	38.7	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	878	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	39	Number of optical assemblies:	1
Beam angle [°]:	48°	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	Control:	DALI-2
Colour temperature [K]:	2700		

Polar



Last information update: October 2024

Product configuration: UC42

UC42: 47 Recessed Integral – Neutral White – 220-240Vac DMX512-RDM – L=907mm – Wide Flood optic - Non-slip glass cover

**Product code**

UC42: 47 Recessed Integral – Neutral White – 220-240Vac DMX512-RDM – L=907mm – Wide Flood optic - Non-slip glass cover

Technical description

Direct light luminaire, designed to use monochrome LED lamps, DMX512-RDM 220÷240Vac dimmable with searching and addressing function and non-slip glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8 mm thick, non-slip glass screen (conforming to class R13 in accordance with DIN 51130), fixed with silicone. Complete with monochrome multi-LED plate and a 220÷240Vac DMX512-RDM electronic driver (ballast included). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 and outlet cables for pass-through wiring (connectors to be ordered separately). To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

4.16

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Wiring

Complete with DMX-RDM control card and a 220÷240Vac electronic ballast. For the electrical connection the product has a lower box with two nickel-plated brass cable glands PG11 and 05RN-F 4x (2x1,5mm²+3x0,35mm²) outlet cables for pass-through wiring (connectors to be ordered separately).

Notes

Product complete with LED lamp. DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- cables of the last product in the line (BZQ7).

Complies with EN60598-1 and pertinent regulations



IK10



IP67



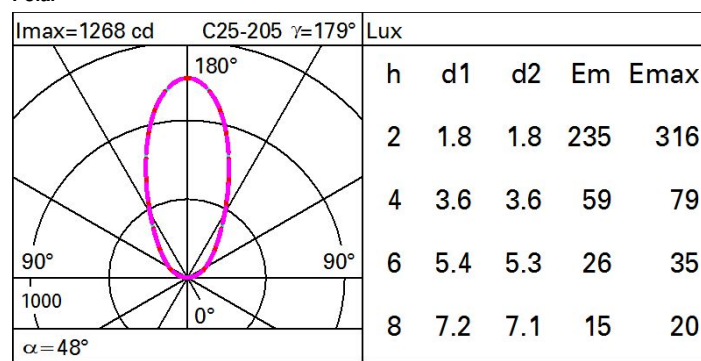
The lighting fixtures

were designed and tested to withstand a static load of up to 20000 N.

Technical data

Im system:	1404	MacAdam Step:	3
W system:	32.5	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	3600	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	26	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	43.2	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	1404	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	39	Number of optical assemblies:	1
Beam angle [°]:	48°	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	Control:	DMX-RDM
Colour temperature [K]:	4000		

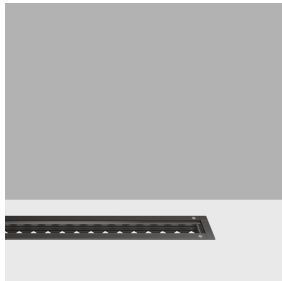
Polar



Last information update: October 2024

Product configuration: UB45

UB45: 47 Recessed Integral – Warm White – 220-240Vac DALI – L=1204mm – Wall Grazing Spot optic

**Product code**

UB45: 47 Recessed Integral – Warm White – 220-240Vac DALI – L=1204mm – Wall Grazing Spot optic

Technical description

Direct light luminaire, designed to use monochrome LED lamps, DALI 220÷240Vac dimmable with searching and addressing function and transparent glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8mm thick, transparent extra clear glass screen with serigraphy and fixed with silicone. Complete with monochrome multi-LED plate and a 220-240Vac DALI electronic driver (ballast included). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm. To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

5.44

Mounting

wall recessed|Floor recessed|ceiling recessed

Wiring

Complete with DALI control card and a 220÷240Vac electronic ballast. For the electrical connection the product has a lower box holding the terminal board (5+5poles, max 2.5mm²) and two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm.

Notes

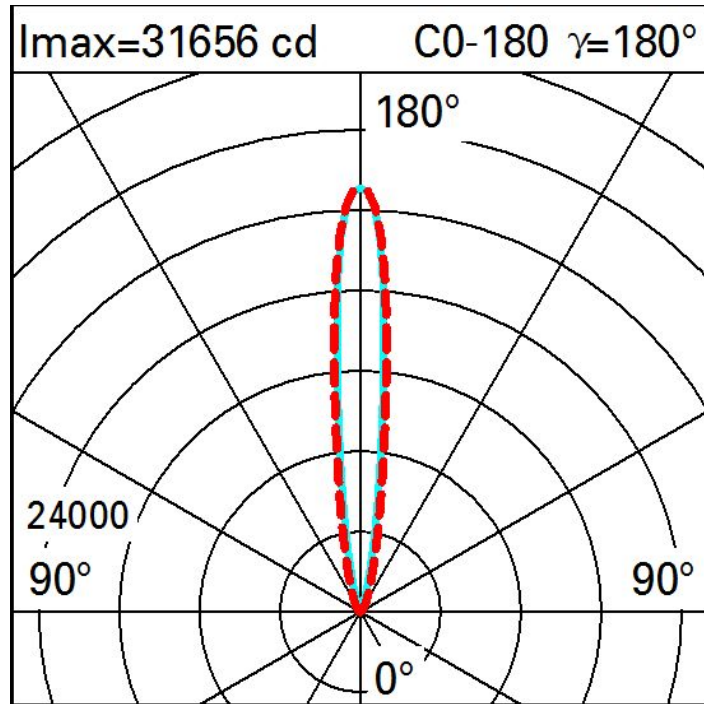
Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	3026	MacAdam Step:	3
W system:	41	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	4450	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	34	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	73.8	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	3026	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	68	Number of optical assemblies:	1
CRI (minimum):	80	Intervallo temperatura ambiente:	from -30°C to 50°C.
Colour temperature [K]:	2700	Control:	DALI-2

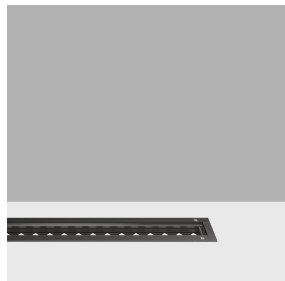
Polar



Last information update: October 2024

Product configuration: UC03

UC03: 47 Recessed Integral – Warm White – 220-240 Vac DMX512-RDM – L=907mm – Wall Grazing Spot optic

**Product code**

UC03: 47 Recessed Integral – Warm White – 220-240 Vac DMX512-RDM – L=907mm – Wall Grazing Spot optic

Technical description

Direct light luminaire, designed to use monochrome LED lamps, 220-240 Vac dimmable (or DMX512-RDM) with searching and addressing function and transparent glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8mm thick, transparent extra clear glass screen with serigraphy and fixed with silicone. Complete with monochrome multi-LED plate and a 220-240 Vac DMX512-RDM electronic driver (ballast to be ordered separately). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 and outlet cables for pass-through wiring (connectors to be ordered separately). To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

4.16

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Wiring

Complete with DMX-RDM control card and a 220-240Vac electronic ballast. For the electrical connection the product has a lower box with two nickel-plated brass cable glands PG11 and 05RN-F 4x (2x1,5mm²+3x0,35mm²) outlet cables for pass-through wiring (connectors to be ordered separately).

Notes

Product complete with LED lamp. DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- cables of the last product in the line (BZQ7).

Complies with EN60598-1 and pertinent regulations



IK10



IP67



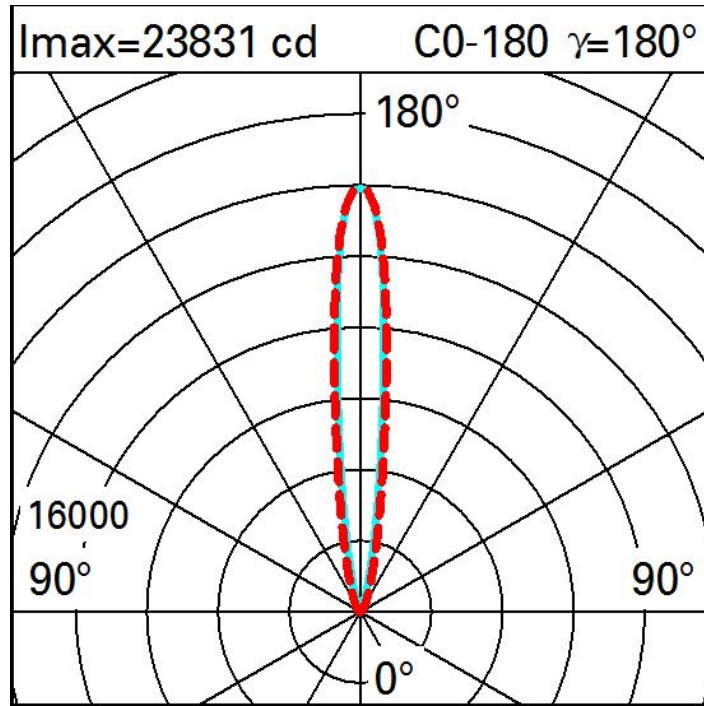
The lighting fixtures

were designed and tested to withstand a static load of up to 20000 N.

Technical data

Im system:	2278	MacAdam Step:	3
W system:	32.5	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	3350	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	26	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	70.1	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	2278	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	68	Number of optical assemblies:	1
CRI (minimum):	80	Intervallo temperatura ambiente:	from -30°C to 50°C.
Colour temperature [K]:	2700	Control:	DMX-RDM

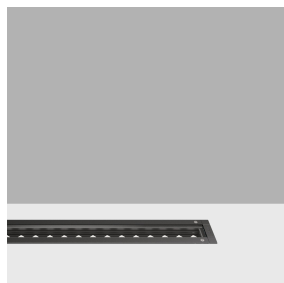
Polar



Last information update: October 2024

Product configuration: UB56

UB56: 47 Recessed Integral – Warm White – 220-240Vac DALI – L=907mm – Wall Grazing Medium optic

**Product code**

UB56: 47 Recessed Integral – Warm White – 220-240Vac DALI – L=907mm – Wall Grazing Medium optic

Technical description

Direct light luminaire, designed to use monochrome LED lamps, DALI 220÷240Vac dimmable with searching and addressing function and transparent glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8mm thick, transparent extra clear glass screen with serigraphy and fixed with silicone. Complete with monochrome multi-LED plate and a 220-240Vac DALI electronic driver (ballast included). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm. To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

4.16

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Wiring

Complete with DALI control card and a 220÷240Vac electronic ballast. For the electrical connection the product has a lower box holding the terminal board (5+5poles, max 2.5mm²) and two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm.

Notes

Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations



IK10



IP67



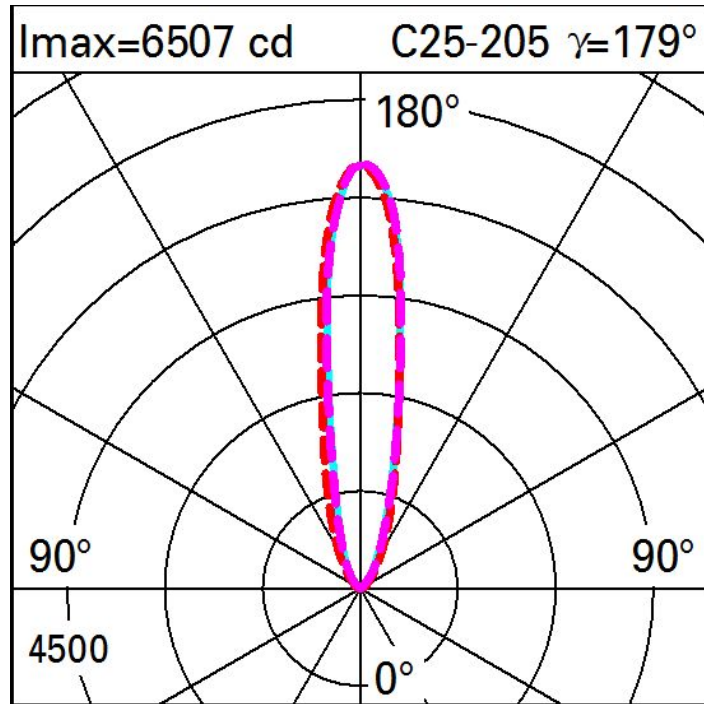
The lighting fixtures

were designed and tested to withstand a static load of up to 20000 N.

Technical data

Im system:	1776	MacAdam Step:	3
W system:	32.5	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	3350	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	26	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	54.6	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	1776	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	53	Number of optical assemblies:	1
CRI (minimum):	80	Intervallo temperatura ambiente:	from -30°C to 50°C.
Colour temperature [K]:	2700	Control:	DALI-2

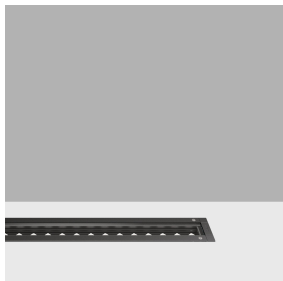
Polar



Last information update: October 2024

Product configuration: UC07

UC07: 47 Recessed Integral – Neutral White – 220÷240Vac DMX512-RDM – L=907mm – Wall Grazing Medium optic

**Product code**

UC07: 47 Recessed Integral – Neutral White – 220÷240Vac DMX512-RDM – L=907mm – Wall Grazing Medium optic

Technical description

Direct light luminaire, designed to use monochrome LED lamps, 220÷240Vac dimmable DMX512-RDM with searching and addressing function and transparent glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8mm thick, transparent extra clear glass screen with serigraphy and fixed with silicone. Complete with monochrome multi-LED plate and a 220÷240Vac DMX512-RDM electronic driver (ballast included). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 and outlet cables for pass-through wiring (connectors to be ordered separately). To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

4.16

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Wiring

Complete with DMX-RDM control card and a 220÷240Vac electronic ballast. For the electrical connection the product has a lower box with two nickel-plated brass cable glands PG11 and 05RN-F 4x (2x1,5mm²+3x0,35mm²) outlet cables for pass-through wiring (connectors to be ordered separately).

Notes

Product complete with LED lamp. DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- cables of the last product in the line (BZQ7).

Complies with EN60598-1 and pertinent regulations



IK10



IP67



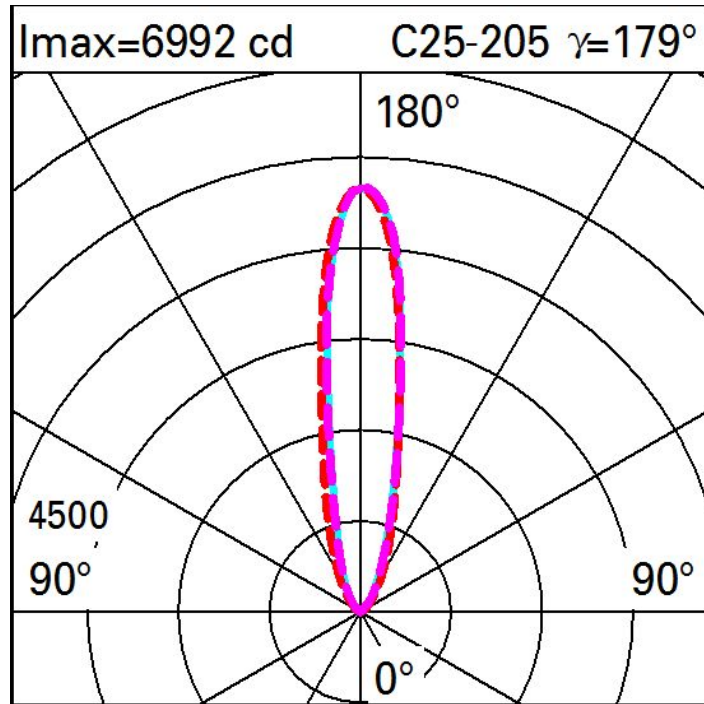
The lighting fixtures

were designed and tested to withstand a static load of up to 20000 N.

Technical data

Im system:	1908	MacAdam Step:	3
W system:	32.5	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	3600	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	26	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	58.7	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	1908	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	53	Number of optical assemblies:	1
CRI (minimum):	80	Intervallo temperatura ambiente:	from -30°C to 50°C.
Colour temperature [K]:	4000	Control:	DMX-RDM

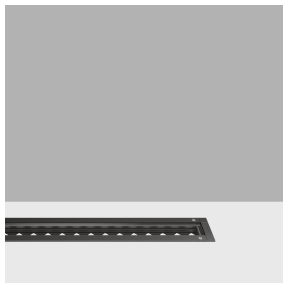
Polar



Last information update: October 2024

Product configuration: UC20

UC20: 47 Recessed Integral – Neutral White – 220÷240Vac DMX512-RDM – L=1204mm – Wide Flood Wall Grazing optic

**Product code**

UC20: 47 Recessed Integral – Neutral White – 220÷240Vac DMX512-RDM – L=1204mm – Wide Flood Wall Grazing optic

Technical description

Direct light luminaire, designed to use monochrome LED lamps, 220÷240Vac dimmable DMX512-RDM with searching and addressing function and transparent glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8mm thick, transparent extra clear glass screen with serigraphy and fixed with silicone. Complete with monochrome multi-LED plate and a 220÷240Vac DMX512-RDM electronic driver (ballast included). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 and outlet cables for pass-through wiring (connectors to be ordered separately). To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

5.44

Mounting

wall recessed|Floor recessed|ceiling recessed

Wiring

Complete with DMX-RDM control card and a 220÷240Vac electronic ballast. For the electrical connection the product has a lower box with two nickel-plated brass cable glands PG11 and 05RN-F 4x (2x1,5mm²+3x0,35mm²) outlet cables for pass-through wiring (connectors to be ordered separately).

Notes

Product complete with LED lamp. DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- cables of the last product in the line (BZQ7).

Complies with EN60598-1 and pertinent regulations



IK10

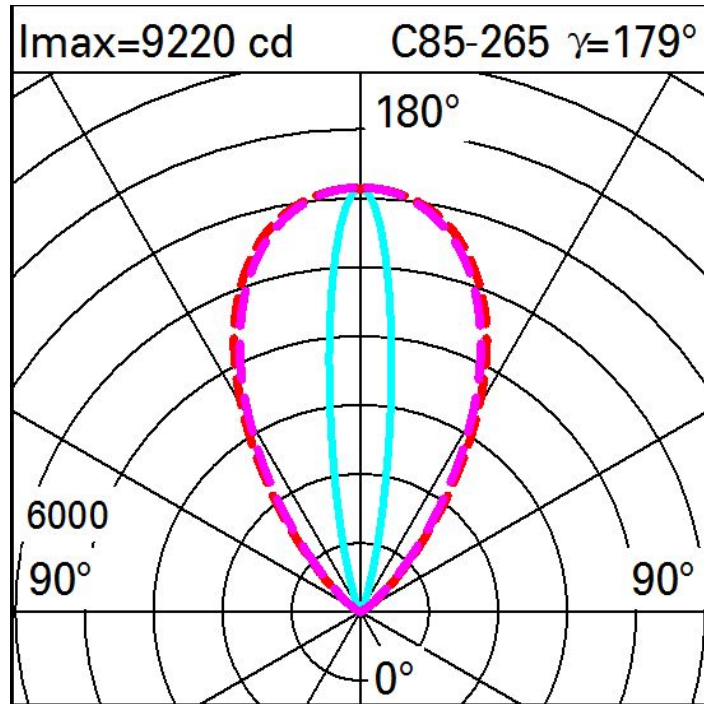


IP67

**Technical data**

Im system:	3408	MacAdam Step:	3
W system:	41	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	4800	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	34	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	83.1	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	3408	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	71	Number of optical assemblies:	1
CRI (minimum):	80	Intervall temperatura ambiente:	from -30°C to 50°C.
Colour temperature [K]:	4000	Control:	DMX-RDM

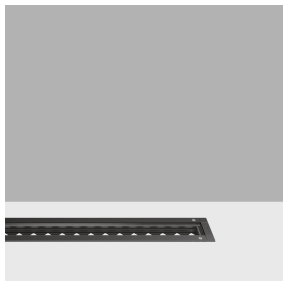
Polar



Last information update: October 2024

Product configuration: UC39

UC39: 47 Recessed Integral – 220-240Vac DMX512-RDM – L=1204mm – Wide Flood Wall Grazing optic

**Product code**

UC39: 47 Recessed Integral – 220-240Vac DMX512-RDM – L=1204mm – Wide Flood Wall Grazing optic

Technical description

Direct light luminaire, designed to use RGBW LED lamps, 220÷240Vac dimmable DMX512-RDM with searching and addressing function and transparent glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8mm thick, transparent extra clear glass screen with serigraphy and fixed with silicone. It is completed with a multi-LED plate with individual red and green LEDs. Blue and white in the 3000K (RGBW) version and a 220÷240Vac DMX-RDM electronic driver (ballast included). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 and outlet cables for pass-through wiring (connectors to be ordered separately). To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

5.44

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Wiring

Complete with DMX-RDM control card and a 220÷240Vac electronic ballast. For the electrical connection the product has a lower box with two nickel-plated brass cable glands PG11 and 05RN-F 4x (2x1,5mm²+3x0,35mm²) outlet cables for pass-through wiring (connectors to be ordered separately).

Notes

Product complete with LED lamp. DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- cables of the last product in the line (BZQ7).

Complies with EN60598-1 and pertinent regulations



IK10



IP67



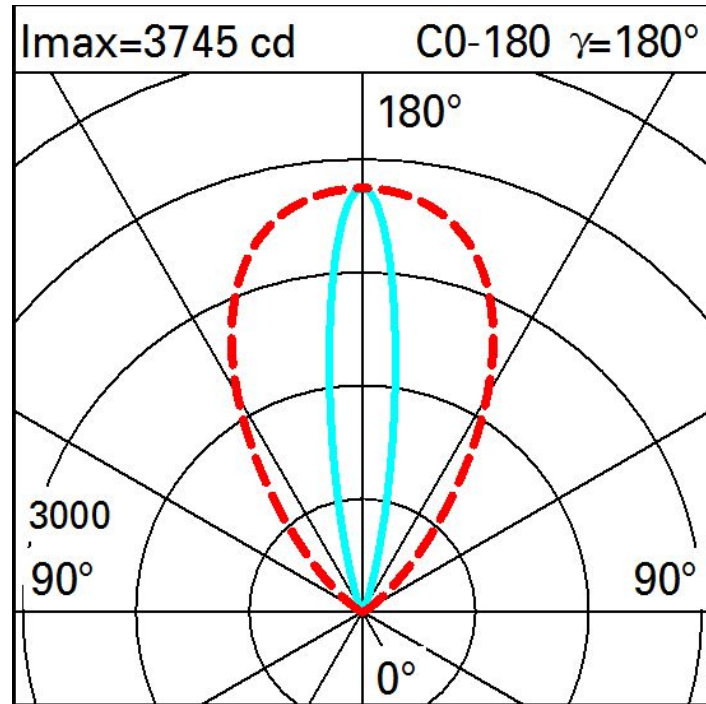
The lighting fixtures

were designed and tested to withstand a static load of up to 20000 N.

Technical data

Im system:	1461	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W system:	28.4	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
Im source:	2180	Voltage [Vin]:	230
W source:	20	Lamp code:	LED
Luminous efficiency (Im/W, real value):	51.4	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	1461	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	67	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (typical):	82	Control:	DMX-RDM
Colour temperature [K]:	RGBW - 3000K		

Polar



Last information update: February 2025

Product configuration: 778C.15

778C.15: 27 Recessed Full Remote – Warm White – 48Vdc – L=652mm – Wall Grazing Medium optic - 7.7W 537.6lm - 2700K - Grey

**Product code**

778C.15: 27 Recessed Full Remote – Warm White – 48Vdc – L=652mm – Wall Grazing Medium optic - 7.7W 537.6lm - 2700K - Grey

Technical description

Direct light linear luminaire, designed to use monochrome LED lamps. For ground, wall and ceiling installations, the product requires an outer casing (to be purchased separately). The outer casing is not required for installations in panelled walls and ceilings. The body is made of extruded aluminium and includes die-cast aluminium end caps with 50/60 Shore A silicone seals. It is 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 top of the optical assembly is closed by a 8mm thick transparent glass screen, fixed with silicone. Complete with Warm White multi-LED circuit. Both the control card (available in a DMX-RDM and DALI version) and the power supply must be purchased separately. Supplied with a connector with an IP68 threaded locknut. Fitted with an Opti Beam Lens optical system with a Wall Grazing Medium optic. All external screws used are made of A2 stainless steel.

Installation

The outer casing (to be purchased separately) is required for recessed floor, wall and ceiling installations. The outer casing is not required for installations in panelled walls and ceilings. For floor installations a drainage channel must be constructed or gravel inserted for drainage under the outer casing before installation, to guarantee the required IP protection rating. For ceiling installations with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

Grey (15)

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Complies with EN60598-1 and pertinent regulations



IK09



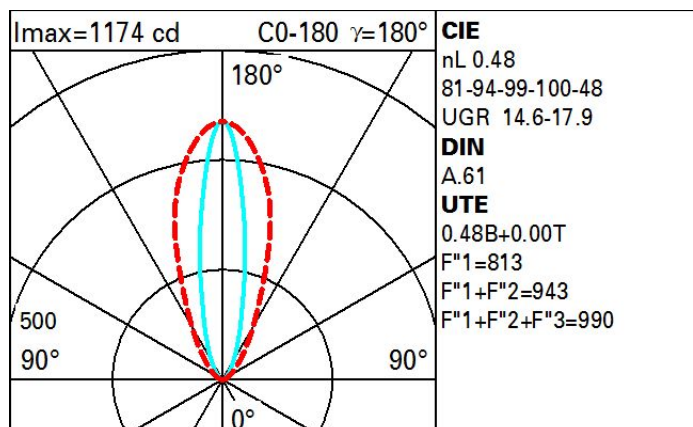
IP67

The lighting fixtures were designed and tested to withstand a static load of up to 10000 N.

Technical data

lm system:	538	Life Time LED 1:	100,000h - L85 - B10 (Ta 25°C)
W system:	7.7	Life Time LED 2:	100,000h - L85 - B10 (Ta 40°C)
lm source:	1120	Voltage [Vin]:	48
W source:	6	Lamp code:	LED
Luminous efficiency (lm/W, real value):	69.8	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]:	538	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	48	Intervallo temperatura ambiente:	from -20°C to +35°C. (*)
CRI (minimum):	80	LED current [mA]:	40
Colour temperature [K]:	2700	Control:	PWM
MacAdam Step:	3		

* Preliminary data

Polar

Last information update: February 2025

Product configuration: 845C.15

845C.15: 27 Recessed Full Remote – Neutral White – 48Vdc – L=1243mm – Wall Grazing Wide Flood optic - 15.4W 1047.2lm - 4000K - Grey

**Product code**

845C.15: 27 Recessed Full Remote – Neutral White – 48Vdc – L=1243mm – Wall Grazing Wide Flood optic - 15.4W 1047.2lm - 4000K - Grey

Technical description

Direct light linear luminaire, designed to use monochrome LED lamps. For ground, wall and ceiling installations, the product requires an outer casing (to be purchased separately). The outer casing is not required for installations in panelled walls and ceilings. The body is made of extruded aluminium and includes die-cast aluminium end caps with 50/60 Shore A silicone seals. It is 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 top of the optical assembly is closed by a 8mm thick transparent glass screen, fixed with silicone. Complete with Neutral White multi-LED circuit. Both the control card (available in a DMX-RDM and DALI version) and the power supply must be purchased separately. Supplied with a connector with an IP68 threaded locknut. Fitted with an Opti Beam Lens optical system with a Wall Grazing Wide Flood optic. All external screws used are made of A2 stainless steel.

Installation

The outer casing (to be purchased separately) is required for recessed floor, wall and ceiling installations. The outer casing is not required for installations in panelled walls and ceilings. For floor installations a drainage channel must be constructed or gravel inserted for drainage under the outer casing before installation, to guarantee the required IP protection rating. For ceiling installations with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

Grey (15)

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Complies with EN60598-1 and pertinent regulations



IK09



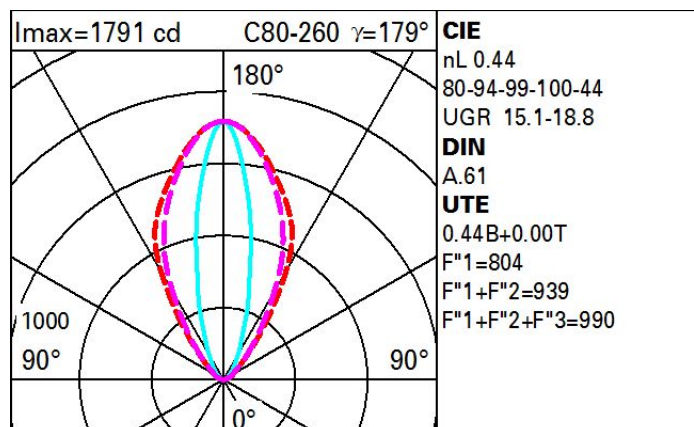
IP67

The lighting fixtures were designed and tested to withstand a static load of up to 10000 N.

Technical data

lm system:	1047	Life Time LED 1:	100,000h - L85 - B10 (Ta 25°C)
W system:	15.4	Life Time LED 2:	100,000h - L85 - B10 (Ta 40°C)
lm source:	2380	Voltage [Vin]:	48
W source:	12	Lamp code:	LED
Luminous efficiency (lm/W, real value):	68	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]:	1047	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	44	Intervallo temperatura ambiente:	from -20°C to +35°C. (*)
CRI (minimum):	80	LED current [mA]:	40
Colour temperature [K]:	4000	Control:	PWM
MacAdam Step:	3		

* Preliminary data

Polar

Last information update: February 2025

Product configuration: 983C.15983C.15: 27 Recessed Full Remote – Warm White – 48Vdc – L=947mm – Wall Grazing Wide Flood optic - Microlouvre - 11.5W
426.3lm - 2200K - Grey**Product code**983C.15: 27 Recessed Full Remote – Warm White – 48Vdc – L=947mm – Wall Grazing Wide Flood optic - Microlouvre - 11.5W
426.3lm - 2200K - Grey**Technical description**

Direct light linear luminaire, designed to use monochrome LED lamps. For ground, wall and ceiling installations, the product requires an outer casing (to be purchased separately). The outer casing is not required for installations in panelled walls and ceilings. The body is made of extruded aluminium and includes die-cast aluminium end caps with 50/60 Shore A silicone seals. It is 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 top of the optical assembly is closed by a 8mm thick transparent glass screen, fixed with silicone. Complete with Warm White multi-LED circuit. The product is fitted with a black-painted, copper alloy microlouvre to increase visual comfort while maintaining uniformity. Both the control card (available in a DMX-RDM and DALI version) and the power supply must be purchased separately. Supplied with a connector with an IP68 threaded locknut. Fitted with an Opti Beam Lens optical system with a Wall Grazing Wide Flood optic. All external screws used are made of A2 stainless steel.

Installation

The outer casing (to be purchased separately) is required for recessed floor, wall and ceiling installations. The outer casing is not required for installations in panelled walls and ceilings. For floor installations a drainage channel must be constructed or gravel inserted for drainage under the outer casing before installation, to guarantee the required IP protection rating. For ceiling installations with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

Grey (15)

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Complies with EN60598-1 and pertinent regulations



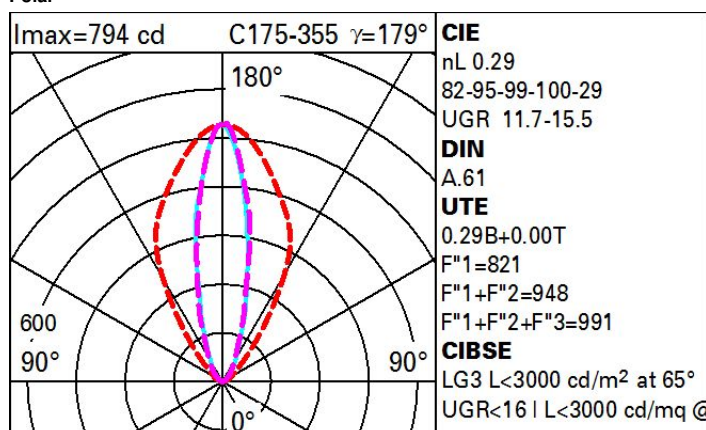
N.

The lighting fixtures were designed and tested to withstand a static load of up to 10000

Technical data

lm system:	426	Life Time LED 1:	100,000h - L85 - B10 (Ta 25°C)
W system:	11.5	Life Time LED 2:	100,000h - L85 - B10 (Ta 40°C)
lm source:	1470	Voltage [Vin]:	48
W source:	9	Lamp code:	LED
Luminous efficiency (lm/W, real value):	37.1	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]:	426	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	29	Intervallo temperatura ambiente:	from -20°C to +35°C. (*)
CRI (minimum):	80	LED current [mA]:	40
Colour temperature [K]:	2200	Control:	PWM
MacAdam Step:	3		

* Preliminary data

Polar

Last information update: February 2025

Product configuration: 022D.15022D.15: 27 Recessed Full Remote – Warm White – 48Vdc – L=1532mm – Wall Grazing Wide Flood optic - Honeycomb - 19.2W
693.6lm - 3000K - Grey**Product code**022D.15: 27 Recessed Full Remote – Warm White – 48Vdc – L=1532mm – Wall Grazing Wide Flood optic - Honeycomb - 19.2W
693.6lm - 3000K - Grey**Technical description**

Direct light linear luminaire, designed to use monochrome LED lamps. For ground, wall and ceiling installations, the product requires an outer casing (to be purchased separately). The outer casing is not required for installations in panelled walls and ceilings. The body is made of extruded aluminium and includes die-cast aluminium end caps with 50/60 Shore A silicone seals. It is 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 top of the optical assembly is closed by a 8mm thick transparent glass screen, fixed with silicone. Complete with Warm White multi-LED circuit. The product is fitted with a black aluminium honeycomb to increase visual comfort while maintaining uniformity. Both the control card (available in a DMX-RDM and DALI version) and the power supply must be purchased separately. Supplied with a connector with an IP68 threaded locknut. Fitted with an Opti Beam Lens optical system with a Wall Grazing Wide Flood optic. All external screws used are made of A2 stainless steel.

Installation

The outer casing (to be purchased separately) is required for recessed floor, wall and ceiling installations. The outer casing is not required for installations in panelled walls and ceilings. For floor installations a drainage channel must be constructed or gravel inserted for drainage under the outer casing before installation, to guarantee the required IP protection rating. For ceiling installations with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

Grey (15)

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Complies with EN60598-1 and pertinent regulations



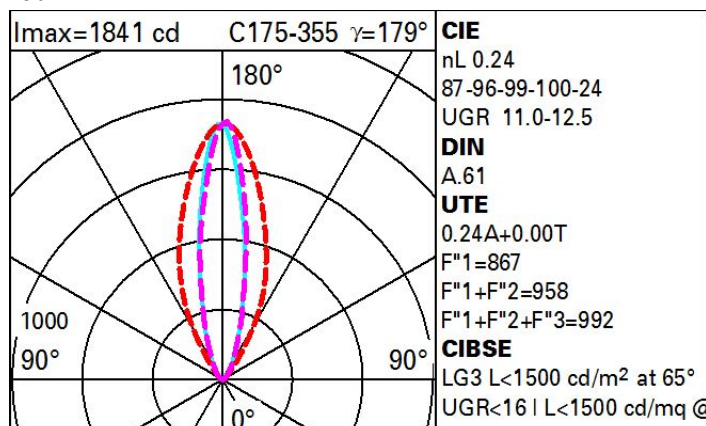
N.

The lighting fixtures were designed and tested to withstand a static load of up to 10000

Technical data

Im system:	694	Life Time LED 1:	100,000h - L85 - B10 (Ta 25°C)
W system:	19.2	Life Time LED 2:	100,000h - L85 - B10 (Ta 40°C)
Im source:	2890	Voltage [Vin]:	48
W source:	15	Lamp code:	LED
Luminous efficiency (Im/W, real value):	36.1	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	694	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	24	Intervallo temperatura ambiente:	from -20°C to +35°C. (*)
CRI (minimum):	80	LED current [mA]:	40
Colour temperature [K]:	3000	Control:	PWM
MacAdam Step:	3		

* Preliminary data

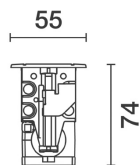
Polar

Last information update: November 2024

Product configuration: BW26+X011.00

BW26: 37 recessed Remote - Neutral White LEDs - 24V dc - L=1080mm - Flood Optic and non-slip glass

X011.00: Casing - L=1073 - Indeterminate

**Product code**

BW26: 37 recessed Remote - Neutral White LEDs - 24V dc - L=1080mm - Flood Optic and non-slip glass

Technical description

Direct light luminaire, designed to use Neutral White monochrome LED lamps, and a flood optic with non-slip glass. Ground-, wall- and ceiling-recessed. Consists of a body and outer casing for installation, to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8 mm thick non-slip glass screen (conforming to class R13 in accordance with DIN 51130), fixed with silicone. Complete with multi-LED plate in Neutral White with 24V dc electronic circuit (ballast to be ordered separately). 24V intelligent driver that ensures light flow emission is constant even when the input voltage varies (from 30V dc to 16V dc). Fitted with optics with a plastic (methacrylate) lens for Flood lighting. The lower box has two PG11 nickel-plated brass cable glands for Ø6.5÷11 mm cables used for pass-through wiring. To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. Outer casing for installation made of aluminium with technopolymer covers, to be ordered separately. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the accessory with code X013 (kit containing steel cables with reinforcement plates).

Colour

Grey (15)

Weight (Kg)

2.45

Mounting

wall recessed|ceiling recessed|ground recessed

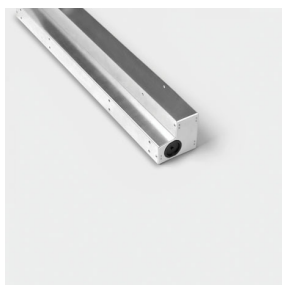
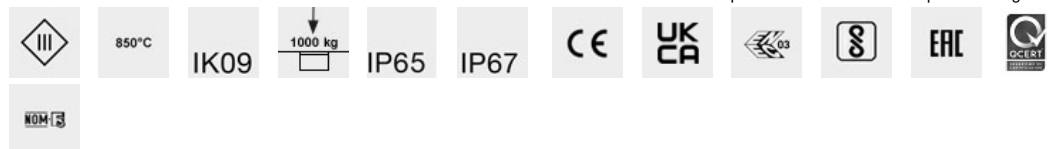
Wiring

Equipped with a 24V dc electronic circuit fitted inside the device. 24V dc electronic ballasts to be ordered separately. For the electrical connection the product has a lower box holding two quick coupling terminals (3-pole, max. 4 mm²) and double cable glands for pass-through wiring.

Notes

Product complete with LED lamp. The frame, glass, optical assembly and outer casing together guarantee a maximum static load of 1000 kg.

Complies with EN60598-1 and pertinent regulations

**Accessory code**

X011.00: Casing - L=1073 - Indeterminate

Technical description

Aluminium outer casing L=1073mm complete with technopolymer side and upper caps and black rubber membrane cable glands. The side caps are supplied with openable circular walls to facilitate the insertion of corrugated tubes (passage of power cables). To be used on recessed Linealuce Mini modules L=1080mm with static monochrome leds

Installation

For ground- or wall-recessed installation with cast cement/concrete or other suitable material. For ground installation a drainage channel must be created (positioned below the special holes) or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated.

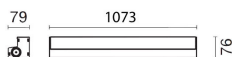
Colour

Indeterminate (00)

Weight (Kg)

1

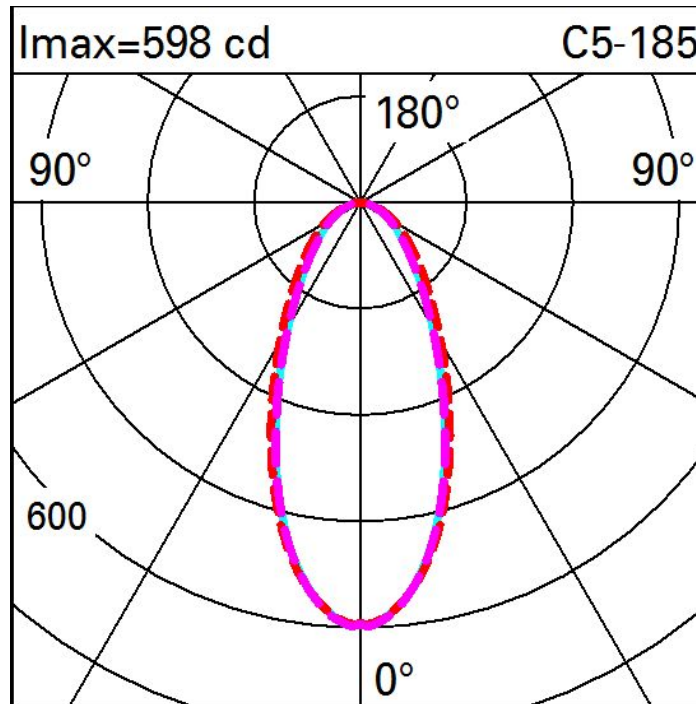
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	612	MacAdam Step:	3
W system:	12.4	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	1800	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	12	Voltage [Vin]:	24
Luminous efficiency (Im/W, real value):	49.4	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	34	Number of optical assemblies:	1
Beam angle [°]:	46° / 50°	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	LED current [mA]:	350
Colour temperature [K]:	4000	Control:	PWM

Polar



Illuminances

Lux										
Wall distance = 1m										
3	0.5	1	3	8	18	26	18	8	3	0.5
2	1	3	6	12	24	32	24	12	6	1
1	2	3	6	11	18	23	18	11	6	2
0	2	3	6	9	14	17	14	9	6	2
m	-2	-1	0	1	2	3				

Linealuce

Design Jean-Michel
Wilmette

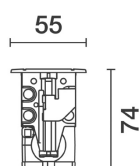
iGuzzini

Last information update: November 2024

Product configuration: BW20+X011.00

BW20: 37 recessed Remote - Neutral White LEDs - 24V dc - L=1080mm - Wall Grazing Optic

X011.00: Casing - L=1073 - Indeterminate



Product code

BW20: 37 recessed Remote - Neutral White LEDs - 24V dc - L=1080mm - Wall Grazing Optic

Technical description

Direct light luminaire, designed to use Neutral White monochrome LED lamps, and a Wall Grazing optic. Ground-, wall- and ceiling-recessed. Consists of a body and outer casing for installation, to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by a 8mm thick transparent glass screen, fixed with silicone. Complete with multi-LED plate in Neutral White with 24V dc electronic circuit (ballast to be ordered separately). 24V intelligent driver that ensures light flow emission is constant even when the input voltage varies (from 30V dc to 16V dc). Fitted with a PMMA diffusing filter and optics with plastic (methacrylate) lens for Wall Grazing lighting. The lower box has two PG11 nickel-plated brass cable glands for Ø6.5÷11mm cables used for pass-through wiring. To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. Outer casing for installation made of aluminium with technopolymer covers, to be ordered separately. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the accessory with code X013 (kit containing steel cables with reinforcement plates).

Colour

Grey (15)

Weight (Kg)

2.45

Mounting

wall recessed|ceiling recessed|ground recessed

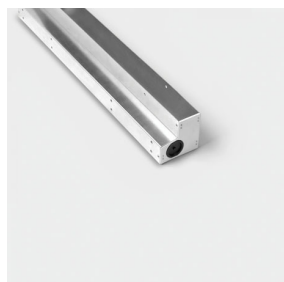
Wiring

Equipped with a 24V dc electronic circuit fitted inside the device. 24V dc electronic ballasts to be ordered separately. For the electrical connection the product has a lower box holding two quick coupling terminals (3-pole, max. 4 mm²) and double cable glands for pass-through wiring.

Notes

Product complete with LED lamp. The frame, glass, optical assembly and outer casing together guarantee a maximum static load of 1000 kg.

Complies with EN60598-1 and pertinent regulations



Accessory code

X011.00: Casing - L=1073 - Indeterminate

Technical description

Aluminium outer casing L=1073mm complete with technopolymer side and upper caps and black rubber membrane cable glands. The side caps are supplied with openable circular walls to facilitate the insertion of corrugated tubes (passage of power cables). To be used on recessed Linealuce Mini modules L=1080mm with static monochrome leds

Installation

For ground- or wall-recessed installation with cast cement/concrete or other suitable material. For ground installation a drainage channel must be created (positioned below the special holes) or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated.

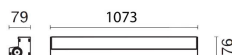
Colour

Indeterminate (00)

Weight (Kg)

1

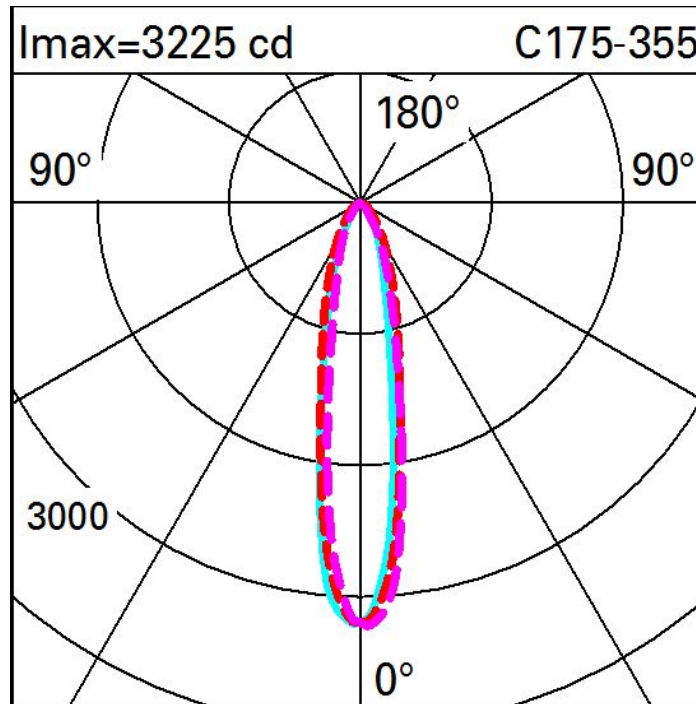
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	936	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W system:	12.4	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
Im source:	1800	Voltage [Vin]:	24
W source:	12	Lamp code:	LED
Luminous efficiency (Im/W, real value):	75.5	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	52	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	LED current [mA]:	350
Colour temperature [K]:	4000	Control:	PWM
MacAdam Step:	3		

Polar



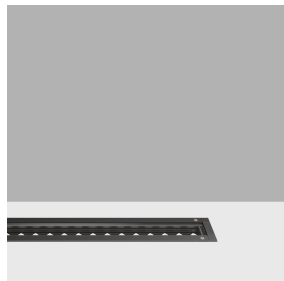
Illuminances

Lux											
Wall distance = 1m											
3	0.1	0.2	0.6	2	4	6	4	2	0.6	0.2	0.1
2	0.6	1	3	6	11	14	11	6	3	1	0.6
1	1	2	5	10	18	22	18	10	5	2	1
0	2	3	6	14	24	31	24	14	6	3	2
	2	4	7	13	21	28	21	13	7	4	2
	m	-2	-1	0	1	2	3				

Last information update: November 2024

Product configuration: EX87

EX87: 47 recessed Remote – Warm White – 48 Vdc DALI – L=1204mm – Wide Flood optic - Non-slip glass cover

**Product code**

EX87: 47 recessed Remote – Warm White – 48 Vdc DALI – L=1204mm – Wide Flood optic - Non-slip glass cover

Technical description

Direct light luminaire, designed to use monochrome LED lamps, DALI 48Vdc dimmable with searching and addressing function and non-slip glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. The painting process includes 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8 mm thick, non-slip glass screen (conforming to class R13 in accordance with DIN 51130), fixed with silicone. Complete with monochrome multi-LED plate and a 48V dc DALI electronic driver (ballast to be ordered separately). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm. To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

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

Weight (Kg)

5.1

Mounting

wall recessed|Floor recessed|ceiling recessed

Wiring

Complete with DALI 44÷52Vdc control card. For the electrical connection the product has a lower box holding the terminal board (5÷5poles, max 2.5mm²) and two nickel-plated brass cable glands PG11 for pass-through wiring, suitable for cables Ø8.5÷12.5 mm.

Notes

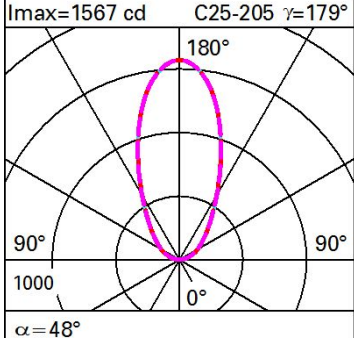
Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	1736	MacAdam Step:	3
W system:	39.2	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	4450	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	34	Voltage [Vin]:	48
Luminous efficiency (Im/W, real value):	44.3	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	1736	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	39	Number of optical assemblies:	1
Beam angle [°]:	48°	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	Control:	DALI-2
Colour temperature [K]:	2700		

Polar

I _{max} =1567 cd C25-205 γ=179°		Lux				
		h	d1	d2	Em	E _{max}
		4	3.6	3.6	73	98
		8	7.1	7.1	18	24
		12	10.7	10.7	8	11
		16	14.2	14.2	5	6
α=48°						