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Lumiance

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INVERTO

Upside down, Inside out

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Your global partner for full spectrum lighting solutions



We are Havells Sylvania, one of the world's major lighting groups for more than a century. We strive to improve the way people live by enabling them to enjoy better lighting in a more sustainable manner. Today, we continue to build on our exceptional reputation as an innovator and creator of high-efficiency, energy-saving, light sources and luminaires, by providing full spectrum lighting solutions tailored to individual needs.



Our three main brands – Concord, Lumiance and Sylvania – concentrate strengths in innovative product design, engineering and production, plus application expertise, in their specialised areas of activity: high-end architectural, decorative and functional professional lighting respectively.

Our 2007 acquisition, by Havells India Ltd, gives us the financial strength and resources to significantly expand and improve the business. The group, which has 94 branches and representative offices and 8,000 staff in more than 50 countries, has grown rapidly to become a US\$ 1.2 billion company with 18 manufacturing plants in India, Europe, Latin America and Africa, producing globally acclaimed products such as switchgear, cables, wiring devices and lighting.

InVerto – one range, infinite possibilities

Whichever way you look at it, InVerto makes everything simple: it's highly efficient, and it's effortlessly stylish. When it comes to InVerto – beauty is not just skin deep – this range has substance. Sleek and contemporary on the inside – incorporating the latest in LED technology. Inspired construction on the outside and with a choice of finishes, colour temperature, filters and optics, it opens wide the decorative possibilities for hotels, restaurants, bars and a whole range of interior and exterior applications.

Using the latest LED technology, InVerto has an internal heatsink to create a compact fitting with clean, contemporary styling. Most fittings also have a switchable driver which allows a choice between high output and high efficiency – up to 60lm/W, which helps achieving Building Regulation targets.

InVerto is IP65 rated, allowing a smooth, consistent transition from interior to exterior. InVerto comes with a standard 40° beam and narrow beam (achieved with accessory kits), warm white and neutral white colour temperatures, plus the option of colour filters, InVerto covers all the bases, inside and out.



Features

Rugged IP65 build

Wire to base with pluggable connection

LED technology

Design

Benefits

To tackle the toughest jobs both inside and out
Highly resistant to corrosion and sea mist – ISO 9227
(equivalent to ASTM B117)

Quick and easy installation

Reduced energy and maintenance costs

No harmful UV or IR radiation

Long lifetime – more than 50,000 hours

Fits the contemporary cubic design trend

Continuity of design across a lighting scheme

Direct / Indirect

Minimal styling meets maximum effect with the **direct/indirect** version of InVerto. Designed for walls and columns, it allows you to create different light patterns depending on how you group the fittings. As well as neutral and warm white options, red, green and blue filters add to a wealth of decorative possibilities.

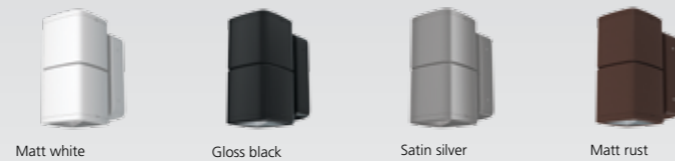


Features

- 30.5W Direct / Indirect luminaire
- 2 x 40° beam angle
- Comes with a 40° beam as standard. Narrow beam kit available as separate accessory
- 4 standard colours: Gloss black, Matt white, Satin silver and Matt rust
- Custom colours available upon request – please consult your local sales force for more information
- Sleek design thanks to its integrated heatsink, driver and components
- Provides a uniform light, while offering a high light output of up to 1,843lm (2 x 922lm) at 60lm/W
- Available in Warm white (3,000K) and Neutral white (4,000K)
- Suitable for looping
- Dimmable option available
- Rugged IP65 build to tackle the toughest jobs both inside and out
- Highly resistant to corrosion and sea mist – ISO 9227 (equivalent to ASTM B117)
- LED technology provides energy efficient solutions and reduced maintenance costs
- Long lifetime – more than 50,000 hours
- No UV or IR radiation
- Coloured filters available
- Can be used with Besa box

For full ordering guide, please refer to page 17

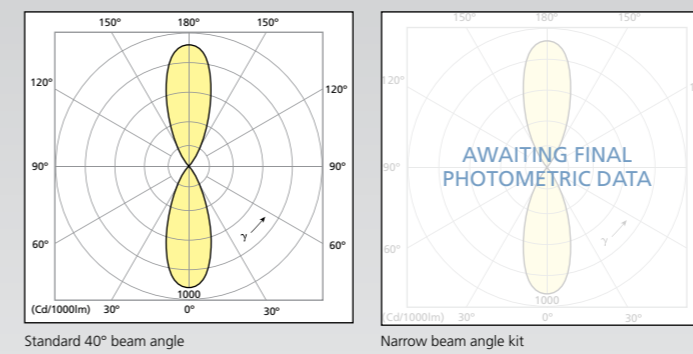
Standard colours



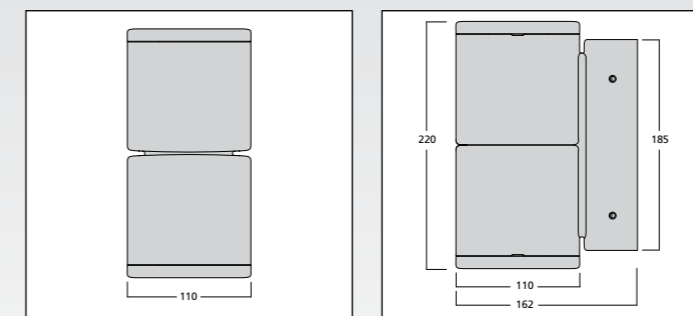
Custom paint finish suggestions (available upon request)



Photometric data



Dimensions (mm)



Direct

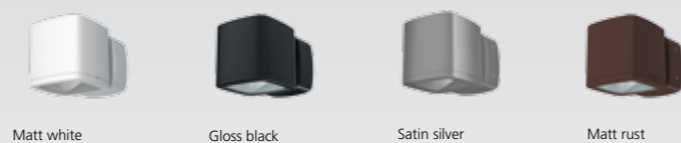
With its compact shape, clean lines and switchable driver, the wall-mounted **direct** InVerto is the perfect pathway fitting. Switchable driver to set between high efficiency and high output settings. Available in four highly contemporary finishes as standard – Matt white, Gloss black, Satin silver and Matt rust.



Features

- 16W - 21W Direct luminaire
 - 4 standard colours: Gloss black, Matt white, Satin silver and Matt rust
 - Custom colours available upon request – please consult your local sales force for more information
 - Sleek design thanks to its integrated heatsink, driver and components
 - Freedom of installation: 350mA or 450mA LED driver, resulting in 16W and 21W respectively 2 settings:
 - High efficiency: 16W providing 955lm at 60lm/W
 - High output: 21W providing 1,130lm at 54lm/W
 - Available in Warm white (3,000K) and Neutral white (4,000K)
 - Comes with a 40° beam as standard. Narrow beam kit available as separate accessory
 - Wire to base with pluggable connection for easy installation (please refer to page 14 for Quick installation guide)
 - Suitable for looping
 - Dimmable option available
 - Rugged IP65 build to tackle the toughest jobs both inside and out
 - Highly resistant to corrosion and sea mist – ISO 9227 (equivalent to ASTM B117)
 - LED technology provides energy efficient solutions and reduced maintenance costs
 - Long lifetime – more than 50,000 hours
 - No UV or IR radiation
 - Coloured filters available
 - Can be used with Besa box
- For full ordering guide, please refer to page 17*

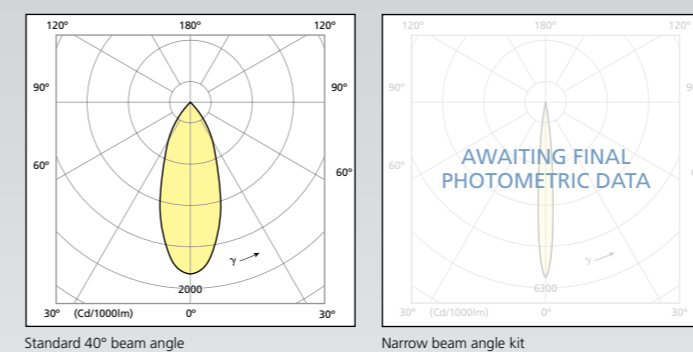
Standard colours



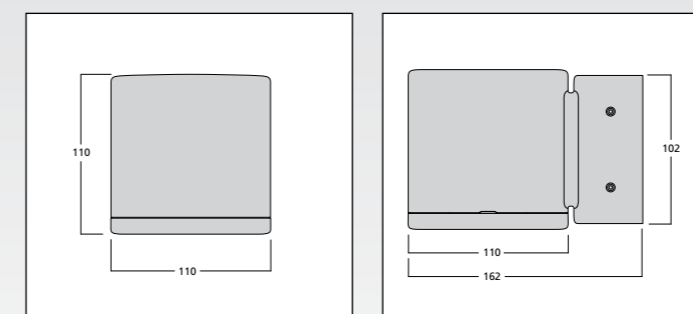
Custom paint finish suggestions (available upon request)



Photometric data



Dimensions (mm)



Surface mounted

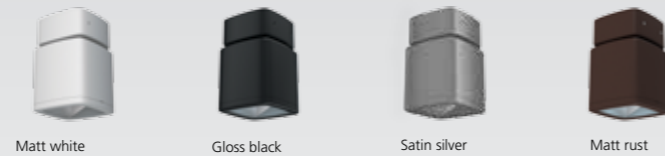
Ideal for restaurants and cafes, the **surface-mounted** InVerto lets you mix and match ambient lighting (40° beam angle) and accent lighting on tables (Narrow beam angle kit) from the same fitting. Like the direct luminaire, it can also be switched to either high efficiency or high output mode, and comes with the option of colour filters to create different moods or delineate different areas.



Features

- 16W - 21W Surface mounted luminaire
 - 4 standard colours: Gloss black, Matt white, Satin silver and Matt rust
 - Custom colours available upon request – please consult your local sales force for more information
 - Sleek design thanks to its integrated heatsink, driver and components
 - Freedom of installation: 350mA or 450mA LED driver, resulting in 16W and 21W respectively 2 settings:
 - High efficiency: 16W providing 955lm at 60lm/W
 - High output: 21W providing 1,130lm at 54lm/W
 - Available in Warm white (3,000K) and Neutral white (4,000K)
 - Comes with a 40° beam as standard. Narrow beam kit available as separate accessory
 - Wire to base with pluggable connection for easy installation (please refer to page 14 for Quick installation guide)
 - Suitable for looping
 - Dimmable option available
 - Rugged IP65 build to tackle the toughest jobs both inside and out
 - Highly resistant to corrosion and sea mist – ISO 9227 (equivalent to ASTM B117)
 - LED technology provides energy efficient solutions and reduced maintenance costs
 - Long lifetime – more than 50,000 hours
 - No UV or IR radiation
 - Coloured filters available
 - Can be used with Besa box
- For full ordering guide, please refer to page 19*

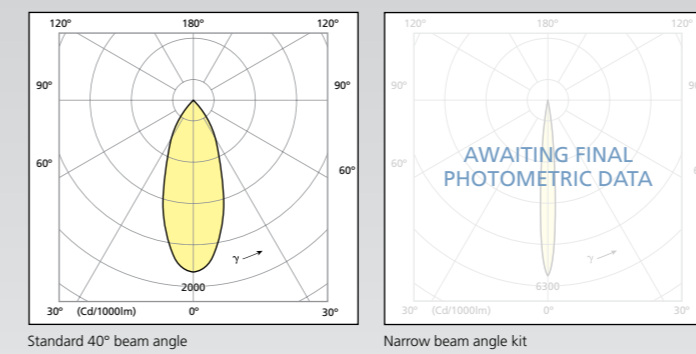
Standard colours



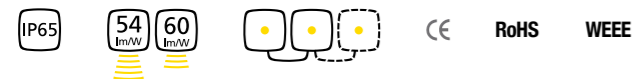
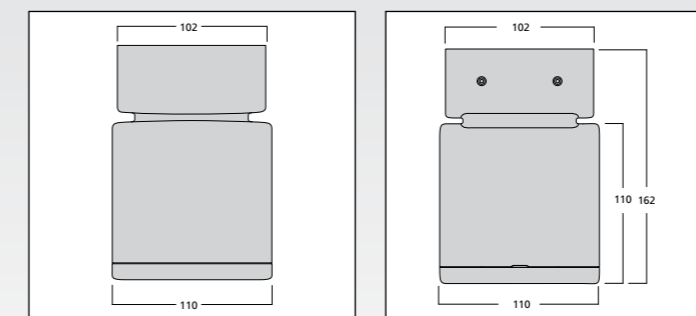
Custom paint finish suggestions (available upon request)



Photometric data



Dimensions (mm)



Pendant

A perfect complement to the surface mounted downlight, the decorative 16W pendant allows you to change the pace visually and create a more intimate ambience for bar and counter areas – inside or out. A switchable driver in the ceiling rose allows a choice of high output or high efficiency (remote version high efficiency only).



Features

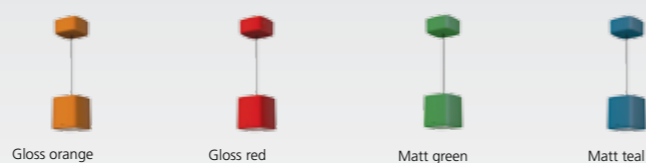
- 16W - 21W Pendant luminaire
- 1.7m pendant cable
- Integral or remote driver options
- Can be used without glass for higher light output and different optical appearance (Indoor use only)
- 4 standard colours: Gloss black, Matt white, Satin silver and Matt rust
- Custom colours available upon request – please consult your local sales force for more information
- Sleek design thanks to its integrated heatsink, driver and components
- Freedom of installation: 350mA or 450mA LED driver, resulting in 16W and 21W respectively
2 settings:
– High efficiency: 16W providing 955lm at 60lm/W
– High output: 21W providing 1,130lm at 54lm/W
- Available in Warm white (3,000K) and Neutral white (4,000K)
- Comes with a 40° beam as standard. Narrow beam kit available as separate accessory
- Wire to base with pluggable connection for easy installation (please refer to page 14 for Quick installation guide)
- Suitable for looping
- Dimmable option available
- Rugged IP65 build to tackle the toughest jobs both inside and out
- Highly resistant to corrosion and sea mist – ISO 9227 (equivalent to ASTM B117)
- LED technology provides energy efficient solutions and reduced maintenance costs
- Long lifetime – more than 50,000 hours
- No UV or IR radiation
- Coloured filters available
- Can be used with Besa box

For full ordering guide, please refer to page 18

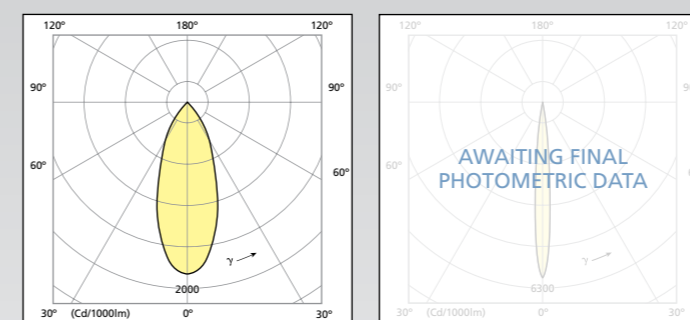
Standard colours



Custom paint finish suggestions (available upon request)



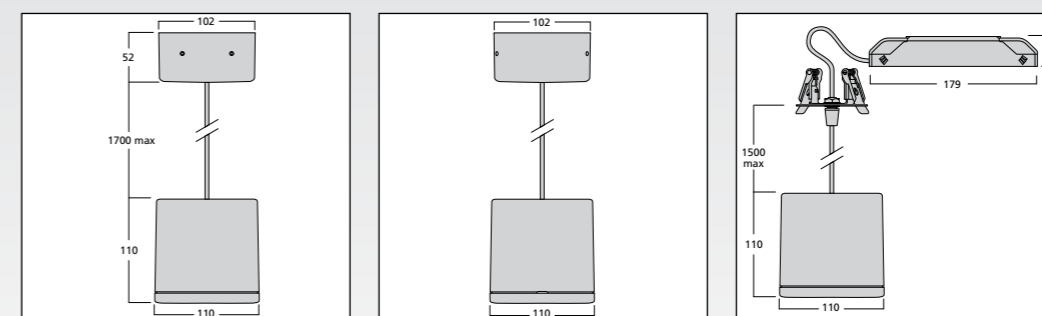
Photometric data



Standard 40° beam angle

Narrow beam angle kit

Dimensions (mm)



Custom colour cables available upon request – please consult your local sales force for more information.



Installation guide

To view our complete installation video, scan the below QRcode or visit: www.havells-sylvania.com/led/lumiance/inverto/video



1 Mark-out and drill holes.



2 Add gasket.



3 Bring cables through glands, strip back and screw base moulding to mounting box.



4 Add Vidaflex sleeving, clamp power-in cable and wire-in to terminal blocks.



5 Repeat step 4/ for linking cable.



6 Choose between high efficiency and high output settings.



7 Fit head to base and tighten screws to seal.



8 Add any accessories.



9 Snap bezel onto the fitting.

Inverto website and tools

Cutting edge design and technology define what Havells Sylvania are all about; we constantly strive to deliver new and exciting ways to help you. Our new InVerto website gives users a simple route to gather and collate photometric data, images, installation guides and helpful videos. All the tools you need are in one easy to use package; specifying Lumiance couldn't be easier.

Please scan the below QR code or visit for more information:
www.havells-sylvania.com/led/lumiance/inverto



Ordering guide



Direct / Indirect

Item	Description	Body colour	Body colour reference	IP rating	Beam angle (°)	Colour name	Colour (K)	Voltage (V)	Drive current (mA)	Watt (W)	Lumen (lm)	Lm/W	Life (h)	Weight (Kg)
3090037	Inverto Dir/Ind NW Eb Black	Black (gloss finish)	RAL9005	IP65	40	Neutral White	4,000	230-240V	700mA (2 x 350mA)	30.5	1,843	60	50,000+	2.3
3090038	Inverto Dir/Ind NW Eb White	Polar white (matt finish)	RAL9016	IP65	40	Neutral White	4,000	230-240V	700mA (2 x 350mA)	30.5	1,843	60	50,000+	2.3
3090039	Inverto Dir/Ind NW Eb Silver	Silver (satin finish)	RAL9022	IP65	40	Neutral White	4,000	230-240V	700mA (2 x 350mA)	30.5	1,843	60	50,000+	2.3
3090040	Inverto Dir/Ind NW Eb Rust	Rust (matt finish)	-	IP65	40	Neutral White	4,000	230-240V	700mA (2 x 350mA)	30.5	1,843	60	50,000+	2.3
3090041	Inverto Dir/Ind NW 1-10V Black	Black (gloss finish)	RAL9005	IP65	40	Neutral White	4,000	230-240V	700mA (2 x 350mA)	30.5	1,843	60	50,000+	2.3
3090042	Inverto Dir/Ind NW 1-10V White	Polar white (matt finish)	RAL9016	IP65	40	Neutral White	4,000	230-240V	700mA (2 x 350mA)	30.5	1,843	60	50,000+	2.3
3090043	Inverto Dir/Ind NW 1-10V Silver	Silver (satin finish)	RAL9022	IP65	40	Neutral White	4,000	230-240V	700mA (2 x 350mA)	30.5	1,843	60	50,000+	2.3
3090044	Inverto Dir/Ind NW 1-10V Rust	Rust (matt finish)	-	IP65	40	Neutral White	4,000	230-240V	700mA (2 x 350mA)	30.5	1,843	60	50,000+	2.3
3090097	Inverto Dir/Ind WW Eb Black	Black (gloss finish)	RAL9005	IP65	40	Warm White	3,000	230-240V	700mA (2 x 350mA)	30.5	1,837	60	50,000+	2.3
3090098	Inverto Dir/Ind WW Eb White	Polar white (matt finish)	RAL9016	IP65	40	Warm White	3,000	230-240V	700mA (2 x 350mA)	30.5	1,837	60	50,000+	2.3
3090099	Inverto Dir/Ind WW Eb Silver	Silver (satin finish)	RAL9022	IP65	40	Warm White	3,000	230-240V	700mA (2 x 350mA)	30.5	1,837	60	50,000+	2.3
3090100	Inverto Dir/Ind WW Eb Rust	Rust (matt finish)	-	IP65	40	Warm White	3,000	230-240V	700mA (2 x 350mA)	30.5	1,837	60	50,000+	2.3
3090101	Inverto Dir/Ind WW 1-10V Black	Black (gloss finish)	RAL9005	IP65	40	Warm White	3,000	230-240V	700mA (2 x 350mA)	30.5	1,837	60	50,000+	2.3
3090102	Inverto Dir/Ind WW 1-10V Wh	Polar white (matt finish)	RAL9016	IP65	40	Warm White	3,000	230-240V	700mA (2 x 350mA)	30.5	1,837	60	50,000+	2.3
3090103	Inverto Dir/Ind WW 1-10V Silver	Silver (satin finish)	RAL9022	IP65	40	Warm White	3,000	230-240V	700mA (2 x 350mA)	30.5	1,837	60	50,000+	2.3
3090104	Inverto Dir/Ind WW 1-10V Rust	Rust (matt finish)	-	IP65	40	Warm White	3,000	230-240V	700mA (2 x 350mA)	30.5	1,837	60	50,000+	2.3

Legend: NW – Neutral White, WW – Warm White, EB – Electronic Ballast, 1-10V – 1-10V analogue ballast, BLK – Black, WHT – White, SIL – Silver, RU – Rust



Direct

Item	Description	Body colour	Body colour reference	IP rating	Beam angle (°)	Colour name	Colour (K)	Voltage (V)	Drive current (mA)	Watt (W)	Lumen (lm)	Lm/W	Drive current (mA)	Watt (W)	Lumen (lm)	Lm/W	Life (h)	Weight (Kg)
3090025	Inverto Direct NW Eb Black	Black (gloss finish)	RAL9005	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090026	Inverto Direct NW Eb White	Polar white (matt finish)	RAL9016	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090027	Inverto Direct NW Eb Silver	Silver (satin finish)	RAL9022	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090028	Inverto Direct NW Eb Rust	Rust (matt finish)	-	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090029	Inverto Direct NW 1-10V Black	Black (gloss finish)	RAL9005	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090030	Inverto Direct NW 1-10V White	Polar white (matt finish)	RAL9016	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090031	Inverto Direct NW 1-10V Silver	Silver (satin finish)	RAL9022	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090032	Inverto Direct NW 1-10V Rust	Rust (matt finish)	-	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090085	Inverto Direct WW Eb Black	Black (gloss finish)	RAL9005	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090086	Inverto Direct WW Eb White	Polar white (matt finish)	RAL9016	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090087	Inverto Direct WW Eb Silver	Silver (satin finish)	RAL9022	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090088	Inverto Direct WW Eb Rust	Rust (matt finish)	-	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090089	Inverto Direct WW 1-10V Black	Black (gloss finish)	RAL9005	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090090	Inverto Direct WW 1-10V White	Polar white (matt finish)	RAL9016	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090091	Inverto Direct WW 1-10V Silver	Silver (satin finish)	RAL9022	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090092	Inverto Direct WW 1-10V Rust	Rust (matt finish)	-	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2

Legend: NW – Neutral White, WW – Warm White, EB – Electronic Ballast, 1-10V – 1-10V analogue ballast, BLK – Black, WHT – White, SIL – Silver, RU – Rust

Ordering guide



Pendant

Item	Description	Body colour	Body colour reference	IP rating	Beam angle (°)	Colour name	Colour (K)	Voltage (V)	Drive current (mA)	Watt (W)	Lumen (lm)	Lm/W	Drive current (mA)	Watt (W)	Lumen (lm)	Lm/W	Life (h)	Weight (Kg)
3090049	Inverto Pendant NW Eb Black	Black (gloss finish)	RAL9005	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090050	Inverto Pendant NW Eb White	Polar white (matt finish)	RAL9016	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090051	Inverto Pendant NW Eb Silver	Silver (satin finish)	RAL9022	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090052	Inverto Pendant NW Eb Rust	Rust (matt finish)	-	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090053	Inverto Pendant NW 1-10V Black	Black (gloss finish)	RAL9005	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090054	Inverto Pendant NW 1-10V White	Polar white (matt finish)	RAL9016	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090055	Inverto Pendant NW 1-10V Silver	Silver (satin finish)	RAL9022	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090056	Inverto Pendant NW 1-10V Rust	Rust (matt finish)	-	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090061	Inverto Pend Rmt NW Eb Black	Black (gloss finish)	RAL9005	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090062	Inverto Pend Rmt NW Eb White	Polar white (matt finish)	RAL9016	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090063	Inverto Pend Rmt NW Eb Silver	Silver (satin finish)	RAL9022	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090064	Inverto Pend Rmt NW Eb Rust	Rust (matt finish)	-	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090065	Inverto Pend Rmt NW 1-10V Black	Black (gloss finish)	RAL9005	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090066	Inverto Pend Rmt NW 1-10V White	Polar white (matt finish)	RAL9016	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090067	Inverto Pend Rmt NW 1-10V Silver	Silver (satin finish)	RAL9022	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090068	Inverto Pend Rmt NW 1-10V Rust	Rust (matt finish)	-	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090109	Inverto Pendant WW Eb Black	Black (gloss finish)	RAL9005	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090110	Inverto Pendant WW Eb Wh	Polar white (matt finish)	RAL9016	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090111	Inverto Pendant WW Eb Silver	Silver (satin finish)	RAL9022	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090112	Inverto Pendant WW Eb Rust	Rust (matt finish)	-	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090113	Inverto Pendant WW 1-10V Black	Black (gloss finish)	RAL9005	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090114	Inverto Pendant WW 1-10V White	Polar white (matt finish)	RAL9016	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090115	Inverto Pendant WW 1-10V Silver	Silver (satin finish)	RAL9022	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090116	Inverto Pendant WW 1-10V Rust	Rust (matt finish)	-	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090121	Inverto Pend Rmt WW Eb Black	Black (gloss finish)	RAL9005	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090122	Inverto Pend Rmt WW Eb White	Polar white (matt finish)	RAL9016	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090123	Inverto Pend Rmt WW Eb Silver	Silver (satin finish)	RAL9022	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090124	Inverto Pend Rmt WW Eb Rust	Rust (matt finish)	-	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090125	Inverto Pend Rmt WW 1-10V Black	Black (gloss finish)	RAL9005	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090126	Inverto Pend Rmt WW 1-10V White	Polar white (matt finish)	RAL9016	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090127	Inverto Pend Rmt WW 1-10V Silver	Silver (satin finish)	RAL9022	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090128	Inverto Pend Rmt WW 1-10V Rust	Rust (matt finish)	-	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2

Legend: NW – Neutral White, WW – Warm White, EB – Electronic Ballast, 1-10V – 1-10V analogue ballast, BLK – Black, WHT – White, SIL – Silver, RU – Rust



Surface

Item	Description	Body colour	Body colour reference	IP rating	Beam angle (°)	Colour name	Colour (K)	Voltage (V)	Drive current (mA)	Watt (W)	Lumen (lm)	Lm/W	Drive current (mA)	Watt (W)	Lumen (lm)	Lm/W	Life (h)	Weight (Kg)
3090073	Inverto Surface NW Eb Black	Black (gloss finish)	RAL9005	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090074	Inverto Surface NW Eb White	Polar white (matt finish)	RAL9016	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090075	Inverto Surface NW Eb Silver	Silver (satin finish)	RAL9022	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090076	Inverto Surface NW Eb Rust	Rust (matt finish)	-	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090077	Inverto Surface NW 1-10V Black	Black (gloss finish)	RAL9005	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090078	Inverto Surface NW 1-10V White	Polar white (matt finish)	RAL9016	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090079	Inverto Surface NW 1-10V Silver	Silver (satin finish)	RAL9022	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090080	Inverto Surface NW 1-10V Rust	Rust (matt finish)	-	IP65	40	Neutral White	4,000	230-240V	350mA	16	955	60	450mA	21	1,129	54	50,000+	1.2
3090133	Inverto Surface WW Eb Black	Black (gloss finish)	RAL9005	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090134	Inverto Surface WW Eb White	Polar white (matt finish)	RAL9016	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090135	Inverto Surface WW Eb Silver	Silver (satin finish)	RAL9022	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090136	Inverto Surface WW Eb Rust	Rust (matt finish)	-	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090137	Inverto Surface WW 1-10V Black	Black (gloss finish)	RAL9005	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090138	Inverto Surface WW 1-10V White	Polar white (matt finish)	RAL9016	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090139	Inverto Surface WW 1-10V Silver	Silver (satin finish)	RAL9022	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2
3090140	Inverto Surface WW 1-10V Rust	Rust (matt finish)	-	IP65	40	Warm White	3,000	230-240V	350mA	16	914	57	450mA	21	1,113	53	50,000+	1.2

Legend: NW – Neutral White, WW – Warm White, EB – Electronic Ballast

Universal accessories

- 3090145 Narrow Beam Kit
- 3090146 Inverto Blue Filter
- 3090147 Inverto Red Filter
- 3090148 Inverto Green Filter