



INDOOR LED LIGHTS
FOR PUBLIC SPACES
AND HOMES

**Light enhances
life's experiences**



Light enhances life's experiences

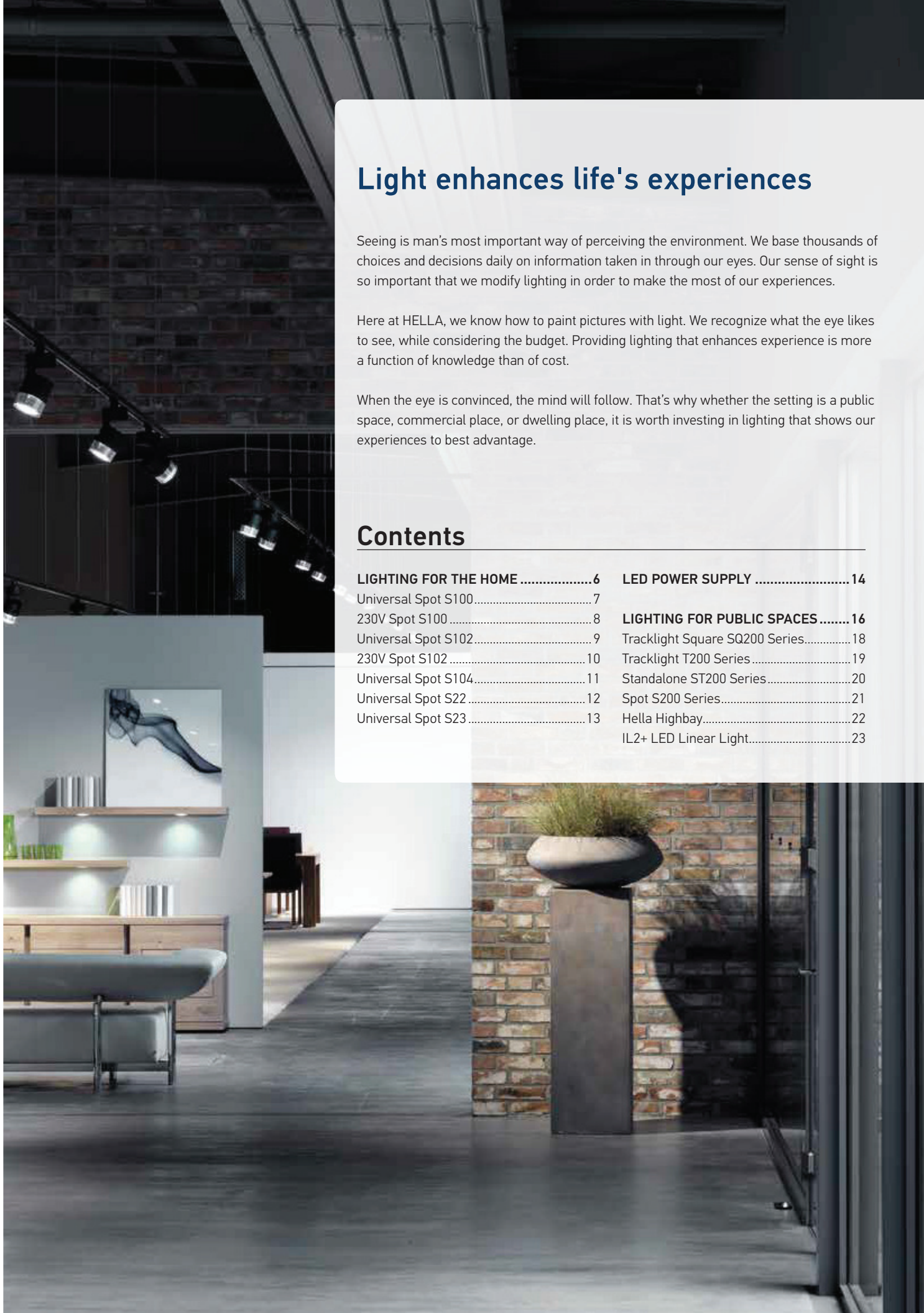
Seeing is man's most important way of perceiving the environment. We base thousands of choices and decisions daily on information taken in through our eyes. Our sense of sight is so important that we modify lighting in order to make the most of our experiences.

Here at HELLA, we know how to paint pictures with light. We recognize what the eye likes to see, while considering the budget. Providing lighting that enhances experience is more a function of knowledge than of cost.

When the eye is convinced, the mind will follow. That's why whether the setting is a public space, commercial place, or dwelling place, it is worth investing in lighting that shows our experiences to best advantage.

Contents

LIGHTING FOR THE HOME	6	LED POWER SUPPLY	14
Universal Spot S100.....	7		
230V Spot S100.....	8	LIGHTING FOR PUBLIC SPACES	16
Universal Spot S102.....	9	Tracklight Square SQ200 Series.....	18
230V Spot S102.....	10	Tracklight T200 Series.....	19
Universal Spot S104.....	11	Standalone ST200 Series.....	20
Universal Spot S22.....	12	Spot S200 Series.....	21
Universal Spot S23.....	13	Hella Highbay.....	22
		IL2+ LED Linear Light.....	23





HELLA LIGHTING FINLAND OY

HELLA personnel are driven by a passion for light. Pursuing the best possible lighting drives our entire design and production process. That's why at no stage does a single one of our designers, sales people, or technical experts forget the most important thing: the people and places the lighting will serve.

Quality and Quality criteria

The only way to achieve a fully satisfied clientele is to offer excellent product characteristics and reliable long-term operations. HELLA derives these from innovative product development and careful quality assurance methods. Our operations are assessed according to the ISO TS 16949 system, its component ISO9001, and the ISO 14001. Our indoor lighting products also have CE marking and ENEC approval. Besides these independent reviews, we conduct internal processes and product audits to monitor the standards of our own operations. Regular ESD measurements are used to ensure that our production facilities meet the necessary standards.





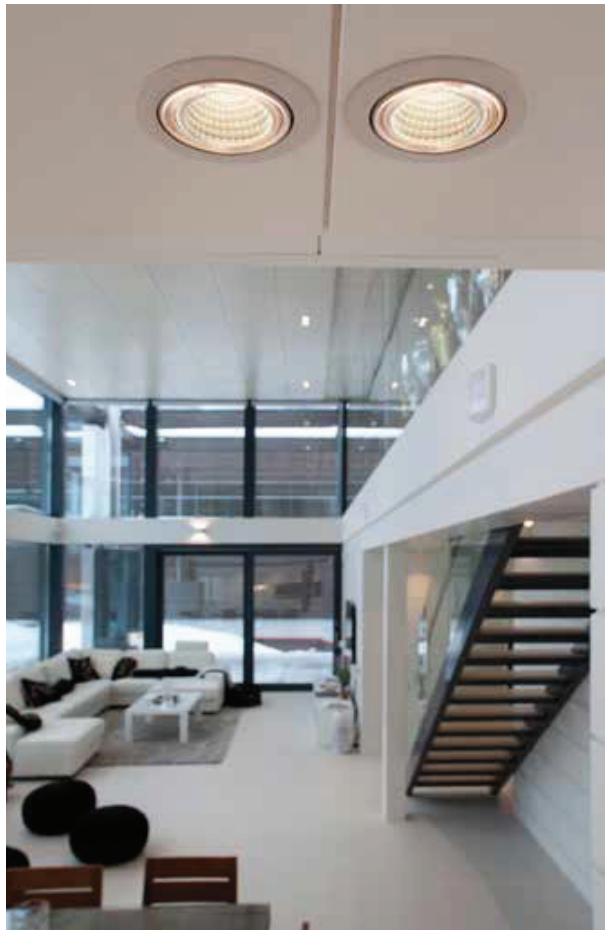
Enhancing life's experiences means service

Everything from tricky technical questions to customizing systems to suit your setting and needs is easier when the whole team of experts, from design to installation, is located under the same roof in Finland, working together to provide you with support. That's why our service is the best in the industry.

Our company of 180 employees is situated in Salo. We design and manufacture Finnish LED lights for both homes and businesses (shops, offices, hotels, and other public places). Our design priorities are stylishness, energy efficiency, and longevity. Our lights create a pleasant and appropriate environment for a variety of spaces.

HELLA has been creating light for 100 years. We are experts at pleasing the eye while protecting the budget. HELLA Lighting Finland Oy is part of a globally positioned, independent, family-owned company, HELLA KGaA Hueck & Co. The HELLA Group develops and manufactures lighting technology and electronic components and systems for the automotive industry. Since 2008, HELLA has also been systematically developing new solutions for new industries, including LED lights for buildings and outdoor areas.





Enhancing life's experiences means technology

Two lights side by side may appear alike, but HELLA quality goes deeper than the surface. We have long experience and expertise in optical, electronic, and mechanical applications. Our comprehensive competencies in these key areas and their implementation at our factory in Salo, Finland guarantee HELLA lights their excellent quality.

Electronics

Good design, component choices and production methods related to power supply and lamp electronics are crucial for reliability. With proper execution we can create entirely interference-free solutions for end customers and for use in electronic devices. All our products have type and EMC approval.

Temperature control

LED lights are known as long-lasting solutions, and it usually takes tens of thousand of hours before their luminous flux decreases by the 70% mentioned in quality standards. One criterion is that LED light sources must not overheat, even in varying usage conditions. HELLA ensures sufficient cooling of its LEDs through expert design and good material choices. Depending on the product, we promise a life cycle of at least 50,000 or 60,000 hours, with a sufficient safety margin.

Optics

The best lighting solutions supply high-quality, uniform light in an energy-efficient way. The even beam without interference and colour distortions of our LED lights is achieved with optics designed by the top experts in the field. Over a century of experience in designing lights for the demanding automotive industry, among others, has raised HELLA to a superior and pioneering level of competence.



Ambient Function



HELLA's unique Ambient lighting function can be used to create a pleasant feeling at home, to emphasize certain aspects of the identity of a business or shop, or as a night light for night-time orientation.

Depending on the power supply most of our lights are dimmable and equipped with the Ambient function. In addition to the high-quality main light, they have an automatic ambient lighting function at the lower end of the dimming spectrum.

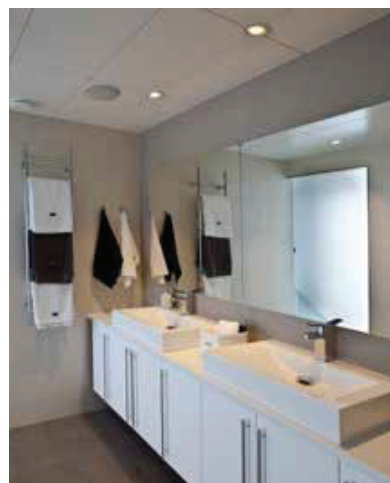
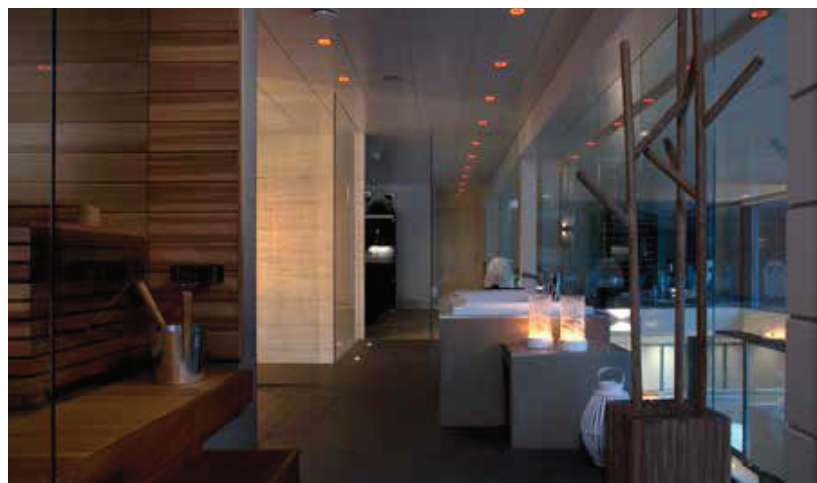
- Our Spot S100–S104 series lights have an internal or external Ambient ring
- In the Spot S200 series, the height of the Ambient ring is adjustable
- Power consumption of only approx. 0.5 W.
- The ambient light goes off when the power is switched off.

The Ambient function is only usable with power supplies provided by HELLA.

Standard Ambient colours



LIGHTING FOR THE HOME



Options for different spaces

Besides providing general good lighting, our lights can be used for creating diverse moods in interior design. Most people look for the 'warm white' colour temperature of 3,000K for home use, but the colour palette of the home may also pose different demands. Pure white, blue and grey tones in the décor may perhaps be complemented best by a neutral colour temperature of 4,000K.

Other factors affecting the choice of light include the room's purpose of use, the ceiling height, the desired lighting intensity, and so on. HELLA lights provide efficient energy-saving lighting even for high-ceilinged spaces, and varying moods can be created by using the dimming and Ambient functions. Next to text examples of lights, with suggested purposes of use.

SITE	MODEL	PAGE
Living room	Spot S100-S104	7-11
Kitchen	Spot S100-S104	7-11
Entrance	Spot S100-S104	7-11
Bedroom	Spot S100	7
Bathroom	Spot S100-S102 IP55	7-10
Changing room	Spot S22	12
Decorative lighting	Spot S22	12
Utility room	Spot S100-S102 IP55	7-10
Covered outdoor area or terrace	Spot S22, Spot S100-S012 IP55	12, 7-10
Spotlighting	Standalone	20
Furniture	Spot S22	12

Choosing the features of Hella light:

Choose:

- the style of frame and its colour
- the desired colour temperature
- the necessary IP rating
- the desired beam angle
- Indicate whether you want the product with or without the ambient light function. If you choose the ambient light function, please indicate its colour. An internal ring is used by default. If you want an external ambient ring, please mention it separately in your order.



Universal Spot S100



External Ambient ring



Internal Ambient ring

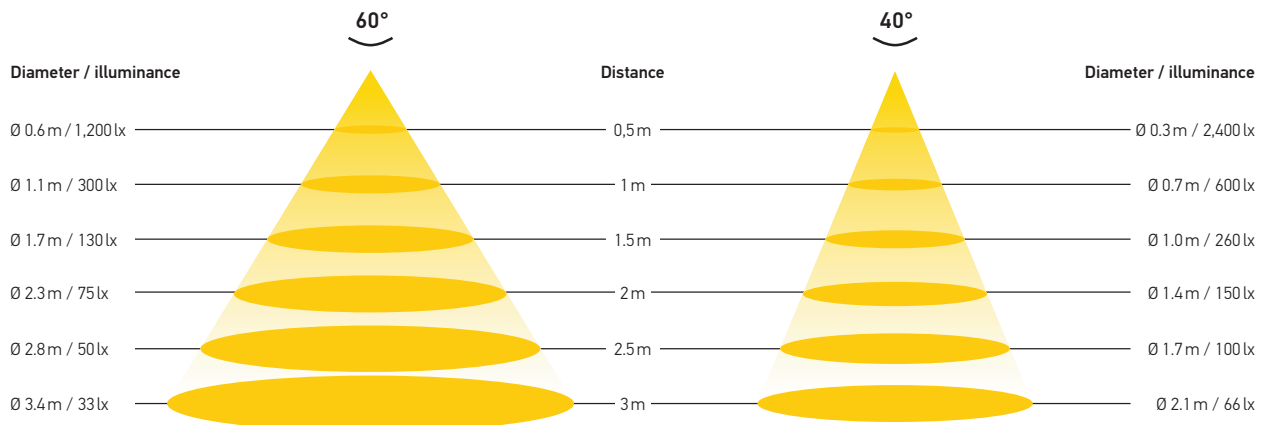
PRODUCT DETAILS	
Materials	Aluminium body
Light function	Spotlight, optional feature: Ambient light
Frame options	Round /square*
Body and frame colours	White / silver or anthracite*
Beam angle	60° / 40° or 15°*
Colour temperature	3,000 K or 4,000 K / 2,700 K*
IP rating	23 (adjustable) or 55
Ambient ring	Internal / external*
Ambient light colours	White or orange / blue*
Energy consumption (E/c) Energy class	4,5 W (with Hella power supply) A+
Dimensions	Height: 50 mm (internal Ambient ring) 69 mm (external Ambient ring) Diameter: 121 mm (external Ambient ring) Frame: Diameter: 115 mm (round) 115 mm x 115 mm (square)
Weight	296 g
Installation dimensions	Depth: 60 mm. Diameter: 102 mm
Specifications	Separate power supply, further information pages 14–15

LIGHT LED	LUMEN 3000K 350	HOUR L90 60,000
POWER 4.5 W	INSTALL Ø 102 mm Depth 60 mm	GUARANTEE 5 years

STANDARD VERSIONS	
Product code	Description
White, round frame	
345.040-021	IP23 60° 3000 K, white round frame, internal white ambient
345.035-021	IP23 60° 4000 K, white round frame, internal white ambient
345.040-011	IP23 60° 3000 K, white round frame, internal orange ambient
345.035-011	IP23 60° 4000 K, white round frame, internal orange ambient
345.180-021	IP55 60° 3000 K, white round frame, internal white ambient
345.840-421	IP55 60° 4000 K, white round frame, internal white ambient

* available on request

Illuminance



230V Spot S100



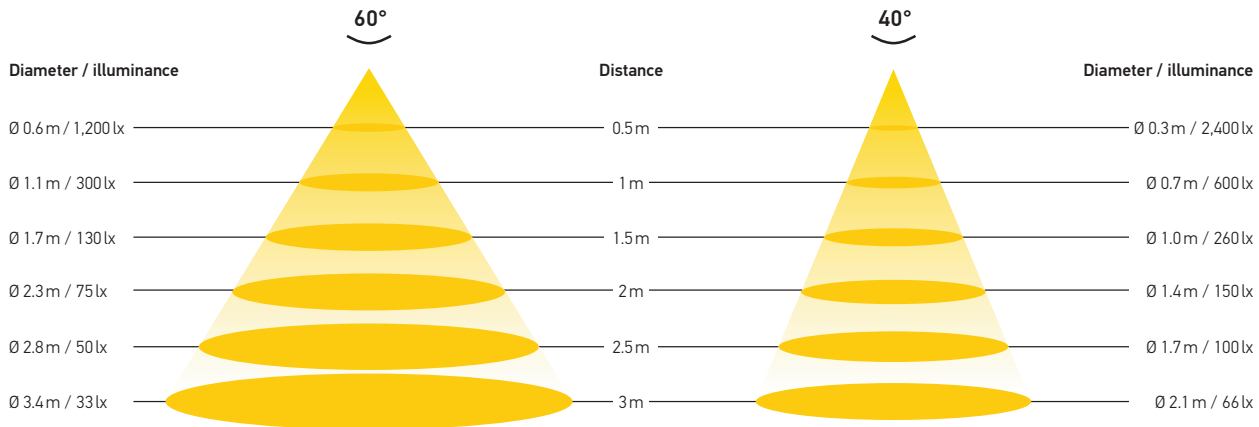
LIGHT LED	LUMEN 3,000K 350	HOUR L70 50,000
POWER 6W	INSTALL Ø 102 mm Depth 60 mm	GUARANTEE 5 years

Product code	STANDARD VERSIONS Description
345.750-001	IP20 60° 3000K, white round frame
345.750-201	IP20 60° 4000K, white round frame
345.880-001	IP55 60° 3000K, white round frame
345.880-201	IP55 60° 4000K, white round frame

PRODUCT DETAILS	
Materials	Aluminium body
Light function	Spotlight
Frame options	Round / square*
Body and frame colours	White /silver or anthracite*
Beam angle	60° / 40° or 15°*
Colour tempaure	3,000 K or 4,000 K / 2,700 K*
IP rating	20 (adjustable) or 55
Ambient functions	Not available
Energy consumption (E/c) Energy class	6 W A
Dimensions	Height: 50 mm Frame: Diameter: 115 mm (round) 115 mm x 115 mm (square)
Weight	296 g
Installation dimensions	Depth: 60 mm. Diameter: 102 mm
Specifications	Built-in power supply. Chainable. Recommended dimmers: ABB Busch-Dimmer 6513U-102, Schneider WDE002711

* available on request

Illuminance



Universal Spot S102



External Ambient ring



Internal Ambient ring

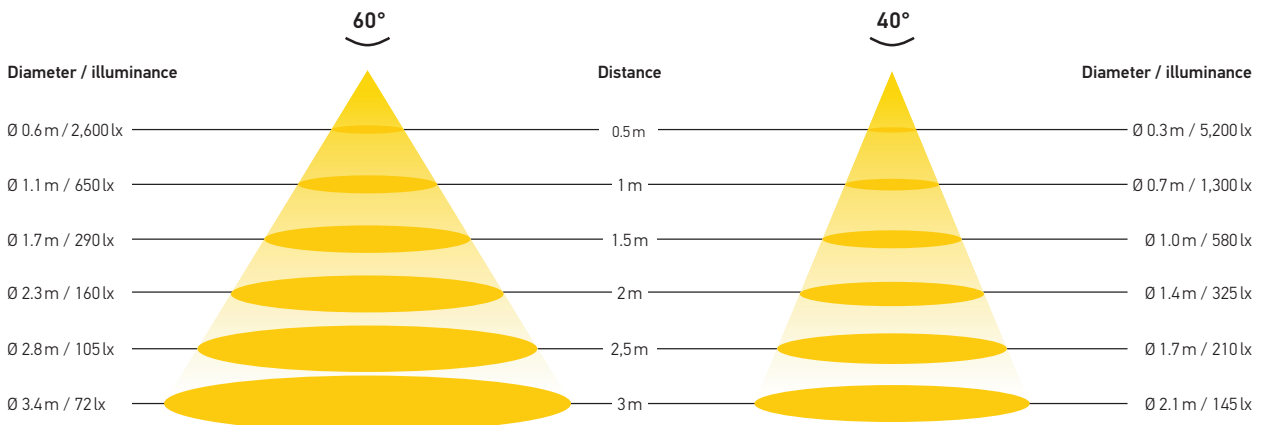
PRODUCT DETAILS	
Materials	Aluminium body
Light function	Spotlight, optional feature: Ambient light
Frame options	Round / square*
Body and frame colours	White / silver, anthracite*
Beam angle	60° / 40° or 15°*
Colour temperature	3,000 K or 4,000 K / 2,700 K*
IP rating	23 (adjustable) or 55
Ambient ring	Internal / external*
Ambient light colours	White or orange / blue*
Energy consumption (E/c) Energy class	9 W (with Hella power supply) A+
Dimensions	Height: 50 mm (internal Ambient ring) 69 mm (external Ambient ring) Diameter: 121 mm (external Ambient ring) Frame: Diameter 115 mm (round) 115 mm x 115 mm (square)
Weight	296 g
Installation dimensions	Depth: 60 mm. Diameter: 102 mm
Specifications	Separate power supply, further information pages 14–15

LIGHT LED	LUMEN 3,000 K 700	HOUR L90 60,000
POWER 9 W	INSTALL Ø 102 mm Depth 60 mm	GUARANTEE 5 years

Product code	STANDARD VERSIONS Description
345.070-021	IP23 60° 3000 K, white round frame, internal white ambient
345.080-021	IP23 60° 4000 K, white round frame, internal white ambient
345.070-011	IP23 60° 3000 K, white round frame, internal orange ambient
345.080-011	IP23 60° 4000 K, white round frame, internal orange ambient
345.190-021	IP55 60° 3000 K, white round frame, internal white ambient
345.185-021	IP55 60° 4000 K, white round frame, internal white ambient

* available on request

Illuminance



230V Spot S102



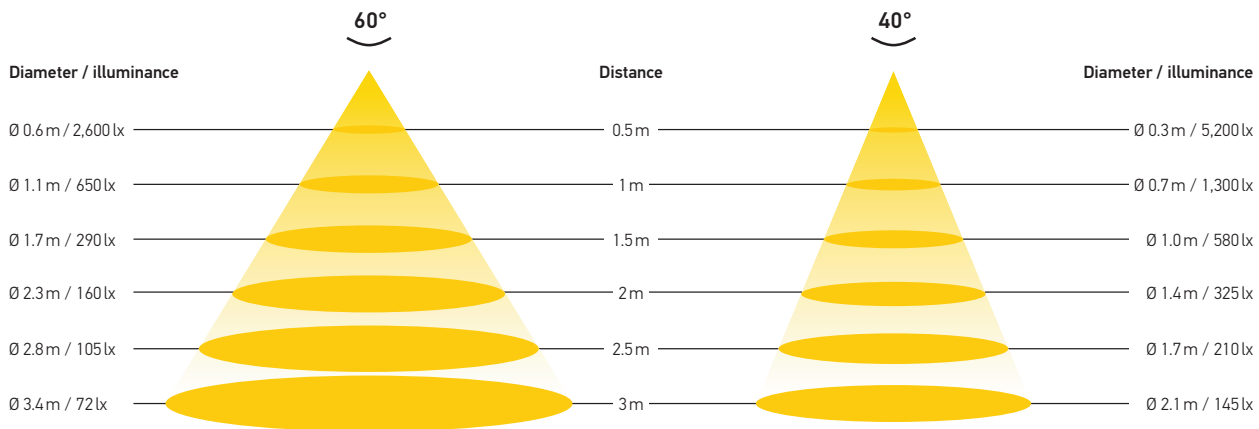
LIGHT	LUMEN	HOUR
LED	3,000 K 700	L70 50,000
POWER	INSTALL	GUARANTEE
11 W	Ø 102 mm Depth 60 mm	5 years

Product code	STANDARD VERSIONS Description
345.755-001	IP20 60° 3000 K, white round frame
345.755-201	IP20 60° 4000 K, white round frame
345.885-001	IP55 60° 3000 K, white round frame
345.885-201	IP55 60° 4000 K white round frame

PRODUCT DETAILS	
Materials	Aluminium body
Light function	Spotlight
Frame options	Round / square*
Body and frame colours	White / silver or anthracite*
Beam angle	60° / 40° or 15°*
Colour temperature	3,000 K or 4,000 K / 2,700 K*
IP rating	20 (adjustable) or 55
Ambient function	Not available
Energy consumption (E/c) Energy class	11 W A
Dimensions	Height: 50 mm Frame: Diameter: 115 mm (round) 115 mm x 115 mm (square)
Weight	296 g
Installation dimensions	Depth: 60 mm. Diameter: 102 mm
Specifications	Built-in power supply. Chainable. Recommended dimmers: ABB Busch-Dimmer 6513U-102, Schneider WDE002711

* available on request

Illuminance



Universal Spot S104



Internal Ambient ring



External Ambient ring



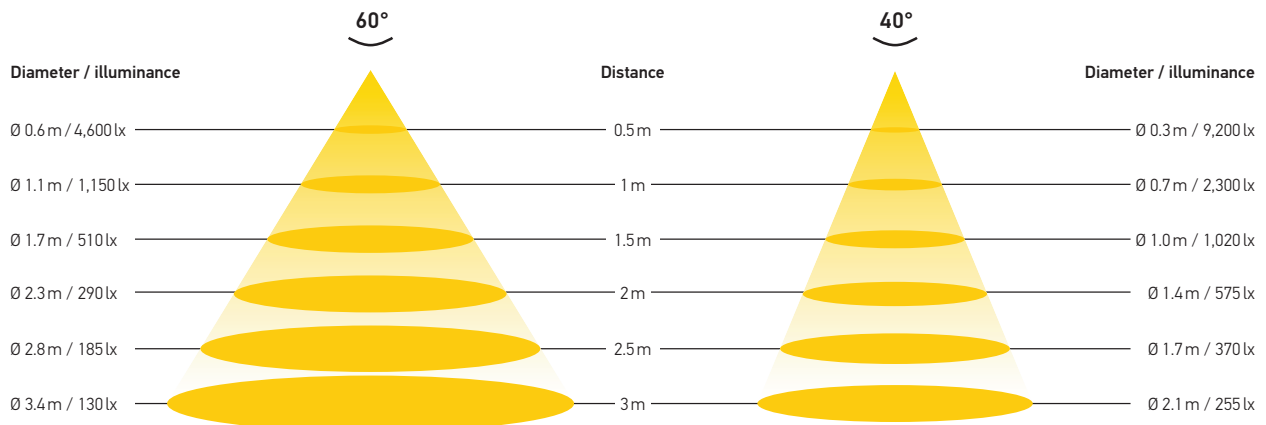
PRODUCT DETAILS	
Materials	Aluminium body
Light function	Spotlight, optional feature: Ambient light
Frame options	Round / square*
Body and frame colours	White /silver or anthracite*
Beam angle	60° / 40°*
Colour temperature	3,000 K or 4,000 K
IP rating	23 (adjustable) or 55
Ambient ring	Internal / external*
Ambient colours	White or orange / blue*
Energy consumption (E _c) Energy class	20 W (with Hella power supply) A+
Dimensions	Height: 50 mm (internal Ambient ring) 69 mm (external Ambient ring) Diameter: 121 mm (external Ambient ring) Frame: Diameter: 115 mm (round) 115 mm x 115 mm (square)
Weight	296 g
Installation dimensions	Depth: 60 mm. Diameter: 102 mm
Specifications	Separate power supply, further information pages 14–15

LIGHT	LUMEN	HOUR
LED	3,000 K 1,150	L70 60,000
POWER	INSTALL	GUARANTEE
20 W	Ø 102 mm Depth 60 mm	5 years

STANDARD VERSIONS	
Product code	Description
345.195-021	IP23 60° 3000 K, white round frame, internal white ambient
345.200-021	IP23 60° 4000 K, white round frame, internal white ambient
345.195-011	IP23 60° 3000 K, white round frame, internal orange ambient
345.200-011	IP23 60° 4000 K, white round frame, internal orange ambient
345.290-021	IP55 60° 3000 K, white round frame, internal white ambient
345.295-021	IP55 60° 4000 K, white round frame, internal white ambient

* available on request

Illuminance



Universal Spot S22

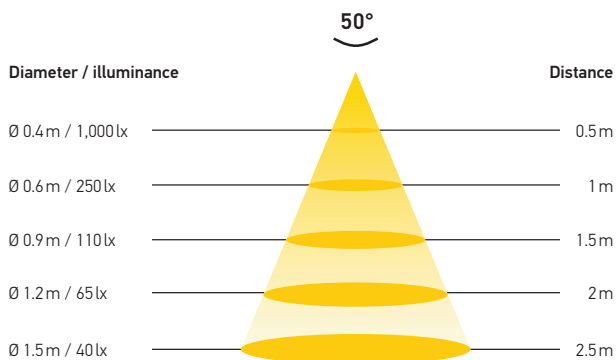


LIGHT	LUMEN	HOUR
LED	3,000K 120	L70 50,000
POWER	INSTALL	GUARANTEE
3W	Ø 48 mm Depth 9 mm	5 years

PRODUCT DETAILS	
Materials	ABS
Light function	Spotlight, optional feature Ambient light
Frame colours	White / silver, black, chrome or gold*
Body colour	Silver
Beam angle	50°
Colour temperature	3,000K or 4,000K
IP rating	55
Ambient colours	White / blue or orange*
Energy consumption (E/c) Energy class	3W (with Hella power supply) A
Dimensions	Height: 21 mm. Diameter: 80 mm.
Weight	90 g
Installation dimensions	Depth: 9 mm. Diameter: 48 mm
Specifications	Separate power supply, further information pages 14-15

* available on request

Illuminance



STANDARD VERSIONS	
Product code	Description
345.075-001	IP55 3000 K white frame, without ambient
345.075-011	IP55 3000 K white frame, orange ambient
345.075-021	IP55 3000 K white frame, white ambient
345.075-051	IP55 4000 K white frame, without ambient
345.075-061	IP55 4000 K white frame, orange ambient
345.075-071	IP55 4000 K white frame, white ambient

ACCESSORIES	
Product code	Description
344.192-111	Surface mounting frame white

Universal Spot S23

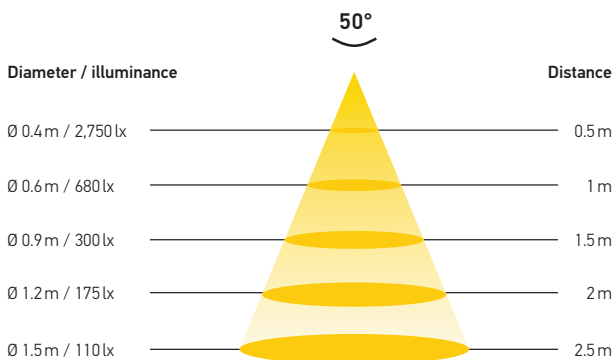


LIGHT	LUMEN	HOUR
LED	3,000K 330	L70 50,000
POWER	INSTALL	GUARANTEE
4,5 W	Ø 48 mm Depth 9 mm	5 years

PRODUCT DETAILS	
Materials	ABS
Light function	Spotlight, optional feature Ambient light
Frame colours	White /silver, black or chrome*
Body colour	Silver
Beam angle	50°, diffused lens
Colour temperature	3,000 K or 4,000 K
IP rating	55
Ambient colours	White / blue or orange*
Energy consumption (E/c) Energy class	4,5 W (with Hella power supply) A
Dimensions	Height: 21 mm. Diameter: 80 mm.
Weight	90 g
Installation dimensions	Depth: 9 mm. Diameter: 48 mm
Specifications	Separate power supply, further information pages 14–15

* available on request

Illuminance



STANDARD VERSIONS	
Product code	Description
345.550-001	IP55 3000 K, white frame, without ambient, diffused lens
345.550-011	IP55 3000 K, white frame, orange ambient, diffused lens
345.550-021	IP55 3000 K, white frame, white ambient, diffused lens
345.550-041	IP55 4000 K, white frame, without ambient, diffused lens
345.550-051	IP55 4000 K, white frame, orange ambient, diffused lens
345.550-061	IP55 4000 K, white frame, white ambient, diffused lens

ACCESSORIES	
Product code	Description
344.192-111	Surface mounting frame white



LED POWER SUPPLY

HELLA provides multifunctional power supplies. A 1-10 V dimmer is in place to control dimming and Ambient function. At the lower end of dimming spectrum, the main light turns off and the ambient light comes on automatically. Also available for use with 9–32 V direct current systems, e.g. on boats or in summer houses.

Benefits

- High-quality transformer solution using dual power supply lines (ambient and main light).
- Very exact brightness control with continuous dimming between 20–100 %.
- Power supply efficiency 85- 90 %: power consumption only 0.5W in standby mode.
- Also suitable for use with LEDs from other manufacturers.
- Easy connectivity using spring connectors.
- Allows long distances between power supply and light source (>30m).
- Low-voltage versions available for battery-powered systems (9-32 V DC).
- Unique power supply technology ensures no flickering, even when dimmed.
- Controllable also with double-switch or brightness and motion sensor with 230 V connections.

POWER SUPPLIES FOR 230 VAC MAINS CURRENT

Product code	Description
345.220-001	M1 230 VAC / 17,5 W 50 V 350 mA
345.220-031	M1 230 VAC / 25 W 50 V 500 mA
345.220-011	M1 230 VAC / 35 W 50 V 700 mA
345.210-011	S1 230 VAC / 8 W 28 V 350 mA
345.210-031	S1 230 VAC / 16 W 28 V 700 mA

POWER SUPPLIES FOR 9–32 VDC LOW VOLTAGE

Product code	Description
345.210-111	S1 9–32 VDC / 8 W 28 V 350 mA*
345.210-131	S1 9–32 VDC / 16 W 28 V 700 mA*

* available on request

MODEL S1



Wattage: 8 W / 16 W
 700 mA (main light) / 50 mA (ambient light)
 Power supply efficiency: 85 %. Power consumption of only 0.5 W in standby mode.
 Dimensions: 112 mm / 52 mm / 26 mm
 Includes cable clamps.

POWER	EFFICIENCY	DIM
8W/16W	85 %	1–10 V

MODEL M1



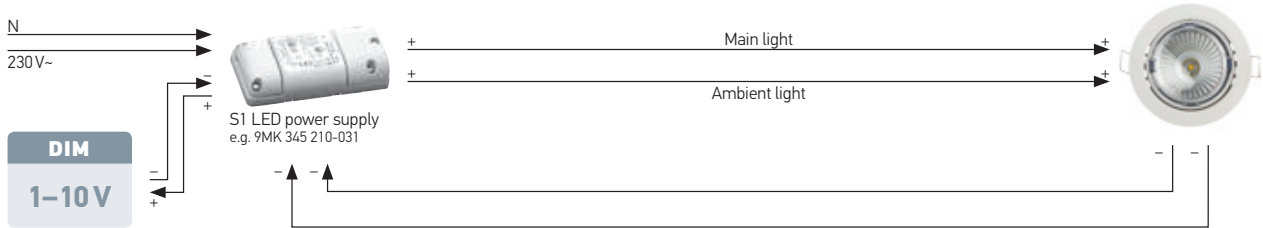
Wattage: 17.5 W / 25 W / 35 W
 350 mA (main light) / 50 mA (amb.light)
 500 mA (main light) / 50 mA (amb.light)
 700 mA (main light) / 50 mA (amb.light)
 Power supply efficiency: 90 %. Power consumption of only 0.5 W in standby mode.
 Dimensions: 71 mm / 69 mm / 38 mm
 Mountable into the distributing box.

POWER	POWER	POWER	EFFICIENCY	DIM
17.5 W	25 W	35 W	90 %	1–10 V

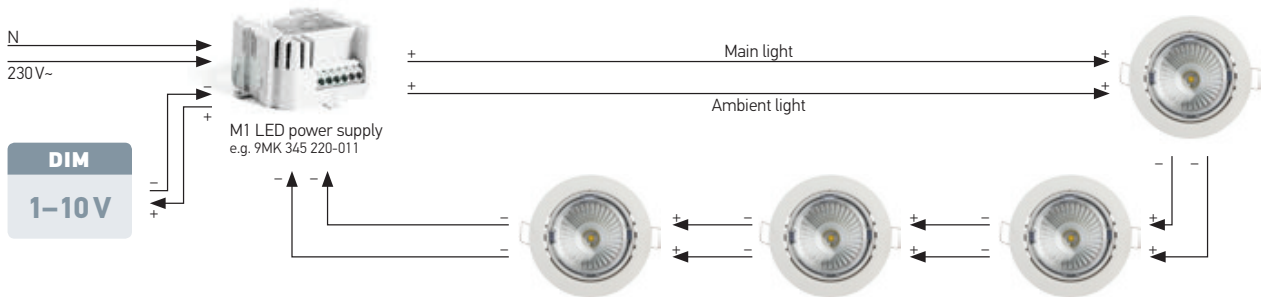
Maximum number of lights per power supply

LED POWER SUPPLY	S22	S23	S100	S102	S104
S1 350mA, max. 8W	-	2	-	-	-
S1 700mA, max. 16W	5	-	NO AMBIENT: 4 WITH AMBIENT: 3	2	-
M1 350mA, max. 17.5W	-	4	-	-	-
M1 700mA, max. 35W	11	-	NO AMBIENT: 7 WITH AMBIENT: 6	4	-
M1 500mA, max. 25W	-	-	-	-	1

Installation of single S100 or S102 light

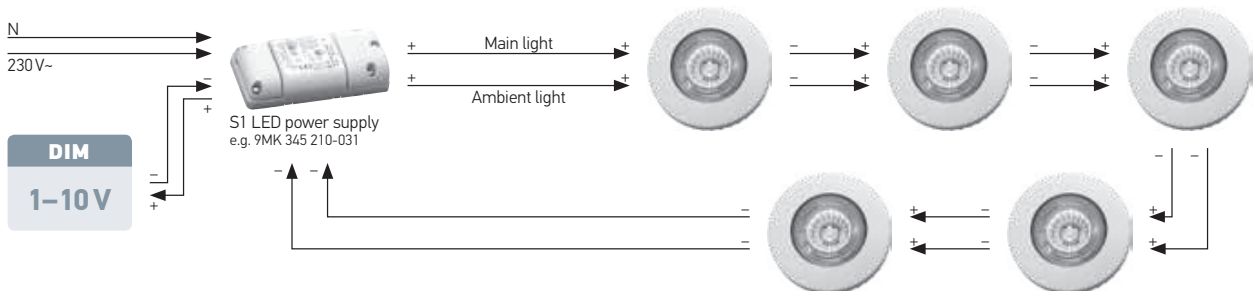


Installation of multiple S100 or S102 lights

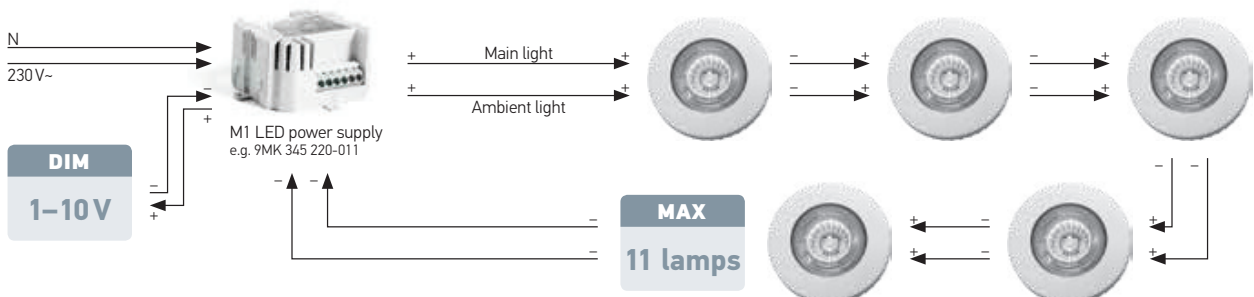


Installation of multiple S22 lights

Installation of multiple lights (max.5)



Installation of multiple lights (max.11)



LIGHTING FOR PUBLIC SPACES



Lighting supports choices

Eyesight is the most important of our senses and the basis of our decisions. That's why lighting that enhances experiences will improve your company's productivity and result. Make your shop pleasing to the eye, it's worth pampering this most important of our senses with high-quality lighting.

Hotel rooms and restaurants are typical examples of sites that often require a warm colour temperature of 3,000 K. The recommendation for workplaces is usually a neutral 4,000 K. Other factors affecting the choice of light include ease of control, energy efficiency, diversity of options and conceptual matchability. The Ambient function can be used to emphasize a certain mood for your business at night.

SITE	MODEL	PAGE
Shops; spot and track lights	Tracklight, Standalone	18–20
Shops; downlights	S200 series S200 cardanic	18–21
Manufacturing industry; plants and stores	Highbay, IL2+	22–23
Reception and assembly areas	Spot S104, S200 series, Highbay	11, 18–22
Hallways	S200 series	18–21
Meeting rooms	Spot S102–S104	9–11
Restaurants	Spot S100–S102	7–10
Hotel rooms	Spot S100	7–8
Covered outdoor areas	S200-sarja	18–21

Choosing the features of Hella light:

Choose:

- the body colour
- the desired colour temperature
- the necessary IP rating
- the desired beam angle
- the product's power rating
- Indicate the desired power source: on/off or 1–10V or DALI.
- Indicate whether you want the product with or without the ambient light function. If you choose the ambient light function, please indicate its colour. An internal ambient ring is used by default. If you want an exterior ambient ring (Spot S100-S104), please mention it separately in your order.



Tracklight Square SQ200 Series

LIGHT	LUMEN	HOUR
LED	4,000K 20W: 2,000 31W: 2,600 41W: 3,900 62W: 5,850	L70 50,000
POWER		GUARANTEE
20W / 31W / 41W / 62W		5 years



PRODUCT DETAILS	
Materials	Aluminium (frame and body), PMMA (lens)
Light function	Spotlight, optional feature Ambient light
Body colours	White / black or silver*
Beam angle	30° or 60° / 10° or 80°* (SQ202 / SQ204 / SQ206) 30° or 60° / 20° or 80°* (SQ208)
Colour temperature	3000K, 4000K / 5,000K*
Colour rendering index (CRI)	Ra > 80 / Ra > 90*
IP rating	20
Ambient colours	White / blue or orange*
Energy consumption (E _c) Energy class	31W or 41W / 20W or 62W* A+
Dimensions	Body diameter: 115 mm Total height: 197 mm (with adapter) Power supply case: 263 x 109 x 41 mm
Weight	1,260 g

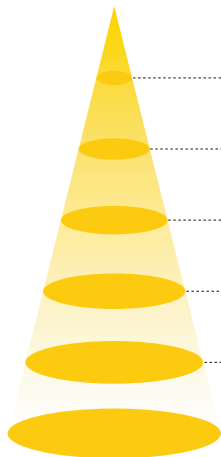
STANDARD VERSIONS	
Product code	Description
346.420-281	SQ204 31W 30° 3000K, white body without ambient, GA100
346.420-291	SQ204 31W 60° 3000K, white body without ambient, GA100
346.420-321	SQ204 31W 30° 4000K, white body without ambient, GA100
346.420-331	SQ204 31W 60° 4000K, white body without ambient, GA100
346.420-091	SQ206 41W 30° 3000K, white body without ambient, GA100
346.420-071	SQ206 41W 60° 3000K, white body without ambient, GA100
346.420-081	SQ206 41W 30° 4000K, white body without ambient, GA100
346.420-061	SQ206 41W 60° 4000K, white body without ambient, GA100
346.420-501	SQ206 41W 60° 3000K, white body without ambient, GAC600
346.420-511	SQ206 41W 60° 4000K, white body without ambient, GAC600

Specifications

- Powerful track light in basic or dimmable (1-10 V or DALI) version.
- Excellent temperature control with passive cooling.
- Available with diverse adapters for various track types.

* available on request

Illuminance



SQ208(62W) - 3,000/4,000K/5,000K SQ206 (41W) - 3,000/4,000K/5,000K SQ204 (31W) - 3,000/4,000K/5,000K

Angle	SQ208(62W) - 3,000/4,000K/5,000K				SQ206 (41W) - 3,000/4,000K/5,000K				SQ204 (31W) - 3,000/4,000K/5,000K			
	20°	30°	60°	80°	20°	30°	60°	80°	10°	30°	60°	80°
Distance	Diameter ø Illuminance (lx)				Diameter ø Illuminance (lx)				Diameter ø Illuminance (lx)			
0.5m	0.2 87,840/ 89,597/ 108,702	0.3 65,880/ 67,198/ 81,435	0.5 29,280/ 29,866/ 36,234	0.5 12,956/ 13,176/ 15,884	0.2 59,040/ 60,221/ 73,062	0.3 44,280/ 45,166/ 54,735	0.5 19,680/ 20,074/ 24,354	0.5 8,708/ 8,856/ 10,676	0.1 82,296/ 83,820/ 101,600	0.2 40,386/ 41,021/ 49,784	0.5 12,344/ 12,573/ 15,240	0.5 5,588/ 5,690/ 6,909
1.0m	0.4 21,960/ 22,399/ 27,176	0.5 16,470/ 16,799/ 20,368	0.9 7,320/ 7,466/ 9,059	1.0 3,239/ 3,294/ 3,989	0.4 14,760/ 15,055/ 18,266	0.5 11,070/ 11,291/ 13,690	0.9 4,920/ 5,018/ 6,089	1.0 2,177/ 2,214/ 2,681	0.3 20,574/ 20,955/ 25,400	0.5 10,097/ 10,287/ 12,446	1.0 3,086/ 3,150/ 3,810	1.0 1,397/ 1,422/ 1,715
1.5m	0.6 9,754/ 9,955/ 12,078	0.8 7,320/ 7,466/ 9,059	1.4 3,257/ 3,312/ 4,026	1.5 1,446/ 1,464/ 1,757	0.6 6,556/ 6,691/ 8,118	0.8 4,920/ 5,018/ 6,089	1.4 2,189/ 2,226/ 2,706	1.5 972/ 984/ 1,181	0.4 9,144/ 9,335/ 11,303	0.7 4,509/ 4,572/ 5,525	1.5 1,372/ 1,397/ 1,715	1.5 621/ 632/ 767
2.0m	0.8 5,490/ 5,545/ 6,771	1.1 4,118/ 4,209/ 5,087	1.8 1,830/ 1,867/ 2,269	2.0 805/ 824/ 988	0.8 3,690/ 3,727/ 4,551	1.1 2,768/ 2,829/ 3,419	1.8 1,230/ 1,255/ 1,525	2.0 541/ 554/ 664	0.5 5,144/ 5,271/ 6,350	0.9 2,527/ 2,565/ 3,112	2.0 775/ 787/ 953	2.0 349/ 356/ 432
2.5m	1.0 3,514/ 3,587/ 4,355	1.3 2,635/ 2,690/ 3,257	2.3 1,171/ 1,190/ 1,446	2.5 512/ 531/ 641	1.0 2,362/ 2,411/ 2,927	1.3 1,771/ 1,808/ 2,189	2.3 787/ 800/ 972	2.5 344/ 357/ 431	0.6 3,302/ 3,366/ 4,064	1.1 1,613/ 1,651/ 1,994	2.4 495/ 508/ 610	2.5 224/ 227/ 277
3.0m	1.2 2,434/ 2,489/ 3,020	1.6 1,830/ 1,867/ 2,269	2.7 805/ 824/ 1,007	3.0 357/ 366/ 439	1.2 1,636/ 1,673/ 2,030	1.6 1,230/ 1,255/ 1,525	3.0 541/ 554/ 677	3.0 240/ 246/ 295	0.8 2,268/ 2,337/ 2,819	1.4 1,118/ 1,130/ 1,384	2.9 343/ 356/ 419	3.0 155/ 157/ 192

Tracklight T200 Series

LIGHT	LUMEN	HOUR
LED	20W: 1,500 31W: 1,980 41W: 3,100	L70 50,000
POWER	GUARANTEE	
20W / 31W / 41W	5 years	



1. Lighting function off 2. Lighting function on 3. Ambient function

PRODUCT DETAILS	
Materials	Aluminium (frame and body), PMMA (lens)
Light function	Spotlight, optional feature Ambient light
Body colours	White / black or silver*
Beam angle	30° / 10°, 60° or 80°* (T202 / T204) 60° / 20°, 30° or 80°* (T206)
Colour temperature	4,000 K / 3,000 K or 5,000 K*
Colour rendering index (CRI)	Ra > 80 / Ra > 90*
IP rating	20
Ambient colours	White, blue or orange*
Energy consumption (E/c) Energy class	20W / 31W / 41W A
Dimensions	Diameter: 115 mm Height: 210 mm (without adapter)
Weight	1,260 g

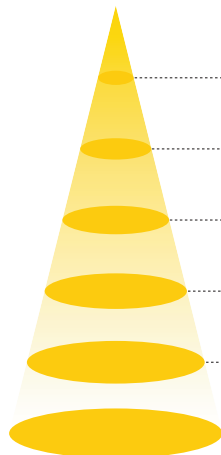
STANDARD VERSIONS	
Product code	Description
346.105-531	T202 20W 30° 4000K, white body without ambient, GA100
346.105-571	T204 31W 30° 4000K, white body without ambient, GA100
346.105-731	T206 41W 60° 4000K, white body without ambient, GA100

Specifications

→ Available with diverse adapters for various track types.

* available on request

Illuminance

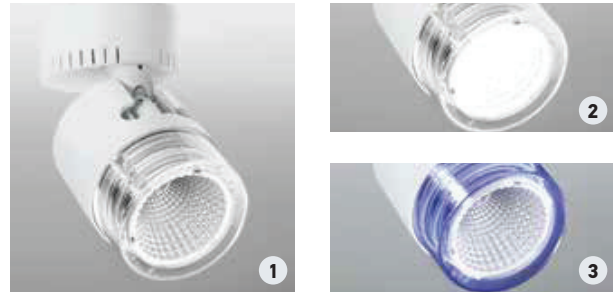


T206 (41 W) – 3,000/4,000K/5,000K T204 (31 W) – 3,000/4,000K/5,000K T202 (20 W) – 3,000/4,000K/5,000K

Angle	T206 (41 W) – 3,000/4,000K/5,000K				T204 (31 W) – 3,000/4,000K/5,000K				T202 (20 W) – 3,000/4,000K/5,000K			
	20°	30°	60°	80°	10°	30°	60°	80°	10°	30°	60°	80°
Distance	Diameter ø				Diameter ø				Diameter ø			
	Illuminance (lx)				Illuminance (lx)				Illuminance (lx)			
0.5m	0.2 48,000/ 48,960/ 59,400	0.3 36,000/ 36,720/ 44,500	0.5 16,000/ 16,320/ 19,800	0.5 7,080/ 7,200/ 8,680	0.1 64,800/ 66,000/ 80,000	0.2 31,800/ 32,300/ 39,200	0.5 9,720/ 9,900/ 12,000	0.5 4,400/ 4,480/ 5,440	0.1 47,000/ 48,000/ 58,000	0.2 23,600/ 24,000/ 29,000	0.5 6,300/ 6,400/ 7,800	0.5 3,240/ 3,300/ 4,000
1.0m	0.4 12,000/ 12,240/ 14,850	0.5 9,000/ 9,180/ 11,130	0.9 4,000/ 4,080/ 4,950	1.0 1,770/ 1,800/ 2,180	0.3 16,200/ 16,500/ 20,000	0.5 7,950/ 8,100/ 9,800	1.0 2,430/ 2,480/ 3,000	1.0 1,100/ 1,120/ 1,350	0.3 11,800/ 12,000/ 14,500	0.5 5,900/ 6,000/ 7,300	1.0 1,570/ 1,600/ 1,950	1.0 810/ 825/ 980
1.5m	0.6 5,330/ 5,440/ 6,600	0.8 4,000/ 4,080/ 4,950	1.4 1,780/ 1,810/ 2,200	1.5 790/ 800/ 960	0.4 7,200/ 7,350/ 8,900	0.7 3,550/ 3,600/ 4,350	1.5 1,080/ 1,100/ 1,350	1.5 489/ 498/ 604	0.4 5,200/ 5,350/ 6,500	0.7 2,600/ 2,700/ 3,250	1.5 700/ 710/ 860	1.5 360/ 367/ 444
2.0m	0.8 3,000/ 3,030/ 3,700	1.1 2,250/ 2,300/ 2,780	1.8 1,000/ 1,020/ 1,240	2.0 440/ 450/ 540	0.5 4,050/ 4,150/ 5,000	0.9 1,990/ 2,020/ 2,450	2.0 610/ 620/ 750	2.0 275/ 280/ 340	0.5 2,950/ 3,000/ 3,650	0.9 1,480/ 1,500/ 1,800	2.0 390/ 400/ 490	2.0 203/ 206/ 250
2.5m	1.0 1,920/ 1,960/ 2,380	1.3 1,440/ 1,470/ 1,780	2.3 640/ 650/ 790	2.5 280/ 290/ 350	0.6 2,600/ 2,650/ 3,200	1.1 1,270/ 1,300/ 1,570	2.4 390/ 400/ 480	2.5 176/ 179/ 218	0.6 1,900/ 1,920/ 2,350	1.1 950/ 960/ 1,170	2.4 250/ 260/ 310	2.5 130/ 132/ 160
3.0m	1.2 1,330/ 1,360/ 1,650	1.6 1,000/ 1,020/ 1,240	2.7 440/ 450/ 550	3.0 195/ 200/ 240	0.8 1,800/ 1,840/ 2,220	1.4 880/ 890/ 1,090	2.9 270/ 280/ 330	3.0 122/ 124/ 151	0.8 1,300/ 1,350/ 1,600	1.4 660/ 670/ 810	2.9 170/ 180/ 220	3.0 90/ 92/ 111

Standalone ST200 Series

LIGHT	LUMEN	HOUR	
LED	4,000K 20W: 1,500 31W: 1,980 41W: 3,100	L70 50,000	
POWER	POWER	POWER	GUARANTEE
20W	31W	41W	5 years



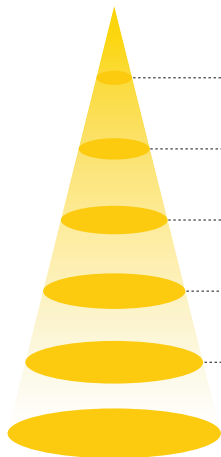
1. Lighting function off 2. Lighting function on 3. Ambient function

PRODUCT DETAILS	
Materials	Aluminium (frame and body), PMMA (lens)
Lighting function	Spotlight, optional feature Ambient function
Body colours	White / black or silver*
Beam angle	60° / 10°, 30° or 80°** (ST202 / ST204) 60° / 20°, 30° or 80°** (ST206)
Colour temperature	4,000K / 3,000 K or 5,000K*
Colour rendering index (CRI)	Ra > 80 / Ra > 90*
IP rating	20
Ambient colours	White, blue or orange*
Energy consumption (E/c) Energy class	20W / 31W / 41W A
Dimensions	Diameter: 115mm Height: 210mm
Weight	1,205g

STANDARD VERSIONS	
Product code	Description
346.315-241	ST202 20W 60° 4000K, white body without ambient
346.315-281	ST204 31W 60° 4000K white body without ambient
346.315-321	ST206 41W 60° 4000K white body without ambient

* available on request

Illuminance



ST206 (41W) – 3,000/4,000K/5,000K ST204 (31W) – 3,000/4,000K/5,000K ST202 (20W) – 3,000/4,000K/5,000K

Angle	20°				30°				60°				80°			
	Diameter ø Illuminance (lx)				Diameter ø Illuminance (lx)				Diameter ø Illuminance (lx)				Diameter ø Illuminance (lx)			
0.5m	0.2	0.3	0.5	0.5	0.1	0.2	0.5	0.5	0.1	0.2	0.5	0.5	0.1	0.2	0.5	0.5
	48,000/ 48,960/ 59,400	36,000/ 36,720/ 44,500	16,000/ 16,320/ 19,800	7,080/ 7,200/ 8,680	64,800/ 66,000/ 80,000	31,800/ 32,300/ 39,200	9,720/ 9,900/ 12,000	4,400/ 4,480/ 5,440	47,000/ 48,000/ 58,000	2,600/ 24,000/ 29,000	6,300/ 6,400/ 7,800	3,240/ 3,300/ 4,000				
1.0m	0.4	0.5	0.9	1.0	0.3	0.5	1.0	1.0	0.3	0.5	1.0	1.0	0.3	0.5	1.0	1.0
	12,000/ 12,240/ 14,850	9,000/ 9,180/ 11,130	4,000/ 4,080/ 4,950	1,770/ 1,800/ 2,180	1,200/ 16,500/ 20,000	7,950/ 8,100/ 9,800	2,430/ 2,480/ 3,000	1,100/ 1,120/ 1,350	11,800/ 12,000/ 14,500	5,900/ 6,000/ 7,300	1,570/ 1,600/ 1,950	810/ 825/ 980				
1.5m	0.6	0.8	1.4	1.5	0.4	0.7	1.5	1.5	0.4	0.7	1.5	1.5	0.4	0.7	1.5	1.5
	5,330/ 5,440/ 6,600	4,000/ 4,080/ 4,950	1,780/ 1,810/ 2,200	790/ 800/ 960	7,200/ 7,350/ 8,900	3,550/ 3,600/ 4,350	1,080/ 1,100/ 1,350	489/ 498/ 604	5,200/ 5,350/ 6,500	2,600/ 2,700/ 3,250	700/ 710/ 860	360/ 367/ 444				
2.0m	0.8	1.1	1.8	2.0	0.5	0.9	2.0	2.0	0.5	0.9	2.0	2.0	0.5	0.9	2.0	2.0
	3,000/ 3,030/ 3,700	2,250/ 2,300/ 2,780	1,000/ 1,020/ 1,240	440/ 450/ 540	4,050/ 4,150/ 5,000	1,990/ 2,020/ 2,450	610/ 620/ 750	275/ 280/ 340	2,950/ 3,000/ 3,650	1,480/ 1,500/ 1,800	390/ 400/ 490	203/ 206/ 250				
2.5m	1.0	1.3	2.3	2.5	0.6	1.1	2.4	2.5	0.6	1.1	2.4	2.5	0.6	1.1	2.4	2.5
	1,920/ 1,960/ 2,380	1,440/ 1,470/ 1,780	640/ 650/ 790	280/ 290/ 350	2,600/ 2,650/ 3,200	1,270/ 1,300/ 1,570	390/ 400/ 480	176/ 179/ 218	1,900/ 1,920/ 2,350	950/ 960/ 1,170	250/ 260/ 310	130/ 132/ 160				
3.0m	1.2	1.6	2.7	3.0	0.8	1.4	2.9	3.0	0.8	1.4	2.9	3.0	0.8	1.4	2.9	3.0
	1,330/ 1,360/ 1,650	1,000/ 1,020/ 1,240	440/ 450/ 550	195/ 200/ 240	1,800/ 1,840/ 2,220	880/ 890/ 1,090	270/ 280/ 330	122/ 124/ 151	1,300/ 1,350/ 1,600	660/ 670/ 810	170/ 180/ 220	90/ 92/ 111				

Spot S200 Series

LIGHT LED	LUMEN 4,000K 20W: 1,500 31W: 1,980 41W: 3,100	HOUR L70 50,000	POWER 20W	POWER 31W	POWER 41W	GUARANTEE 5 years
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Installation depth: 95 mm Installation depth: 115 mm Installation depth: 140 mm

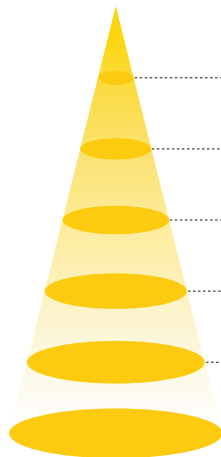
PRODUCT DETAILS	
Materials	Aluminium (frame and body), PMMA (lens)
Lighting function	Spotlight, optional feature Ambient light
Body colours	White / black or silver*
Beam angle	30° or 60° / 10° or 80°** (S202 / S204) 30° or 60° / 20° or 80°** (S206)
Colour temperature	4,000 K / 3,000 K or 5,000 K*
Colour rendering index (CRI)	Ra > 80, / Ra > 90*
IP rating	Luminaire: IP55 Driver: IP20/IP 55 depends on version
Ambient colours	White, blue or orange*
Energy consumption (E/c) Energy class	20 W / 31 W / 41 W A
Dimensions	Depth: 95 / 115 / 140 mm Diameter: 127mm (with screws) / 140 mm (elevator)
Weight	1,380 - 1,480 g (depending on driver)

Product code	STANDARD VERSIONS	Driver IP rating
	Description	
346.215-691	S202 20W 60°4000K, white frame without ambient, DALI	20
346.215-701	S204 31W 30°4000K, white frame without ambient, DALI	20
346.215-711	S204 31W 60°4000K, white frame without ambient, DALI	20
346.215-721	S206 41W 30°4000K, white frame without ambient, DALI	20
346.215-731	S206 41W 60°4000K, white frame without ambient, DALI	20
346.215-611	S202 20W 60°4000K, white frame without ambient, on/off	20
346.215-581	S204 31W 30°4000K, white frame without ambient, on/off	20
346.215-621	S204 31W 60°4000K, white frame without ambient, on/off	20
346.215-591	S206 41W 30°4000K, white frame without ambient, on/off	20
346.215-631	S206 41W 60°4000K, white frame without ambient, on/off	20
346.215-241	S202 20w 60°4000K, white frame without ambient, on/off	55
346.215-281	S204 31W 60° 4000K, white frame without ambient, on/off	55
346.215-321	S206 41W 60° 4000K, white frame without ambient, on/off	55

Product code	ACCESSORIES
	Description
345.467-00	Surface mounting kit
345.321-10	Mounting frame, white

* available on request

Illuminance



S206 (41 W) – 3,000/4,000K/5,000K S204 (31 W) – 3,000/4,000K/5,000K S202 (20 W) – 3,000/4,000K/5,000K

Kulma	S206 (41 W) – 3,000/4,000K/5,000K				S204 (31 W) – 3,000/4,000K/5,000K				S202 (20 W) – 3,000/4,000K/5,000K			
	20°	30°	60°	80°	10°	30°	60°	80°	10°	30°	60°	80°
Etäisyys	Diameter ø Illuminance (lx)				Diameter ø Illuminance (lx)				Diameter ø Illuminance (lx)			
0.5m	0.2 48,000/ 48,960/ 59,400	0.3 36,000/ 36,720/ 44,500	0.5 16,000/ 16,320/ 19,800	0.5 7,080/ 7,200/ 8,680	0.1 64,800/ 66,000/ 80,000	0.2 3,800/ 32,300/ 39,200	0.5 9,720/ 9,900/ 12,000	0.5 4,400/ 4,480/ 5,440	0.1 47,000/ 48,000/ 58,000	0.2 23,600/ 24,000/ 29,000	0.5 6,300/ 6,400/ 7,800	0.5 3,240/ 3,300/ 4,000
1.0m	0.4 12,000/ 12,240/ 14,850	0.5 9,000/ 9,180/ 11,130	0.9 4,000/ 4,080/ 4,950	1.0 1,770/ 1,800/ 2,180	0.3 16,200/ 16,500/ 20,000	0.5 7,950/ 8,100/ 9,800	1.0 2,430/ 2,480/ 3,000	1.0 1,100/ 1,120/ 1,350	0.3 11,800/ 12,000/ 14,500	0.5 5,900/ 6,000/ 7,300	1.0 1,570/ 1,600/ 1,950	1.0 810/ 825/ 980
1.5m	0.6 5,330/ 5,440/ 6,600	0.8 4,000/ 4,080/ 4,950	1.4 1,780/ 1,810/ 2,200	1.5 790/ 800/ 960	0.4 7,200/ 7,350/ 8,900	0.7 3,550/ 3,600/ 4,350	1.5 1,080/ 1,100/ 1,350	1.5 489/ 498/ 604	0.4 5,200/ 5,350/ 6,500	0.7 2,600/ 2,700/ 3,250	1.5 700/ 710/ 860	1.5 360/ 367/ 444
2.0m	0.8 3,000/ 3,060/ 3,700	1.1 2,250/ 2,300/ 2,780	1.8 1,000/ 1,020/ 1,240	2.0 440/ 450/ 540	0.5 4,050/ 4,150/ 5,000	0.9 1,990/ 2,020/ 2,450	2.0 610/ 620/ 750	2.0 275/ 280/ 340	0.5 2,950/ 3,000/ 3,650	0.9 1,480/ 1,500/ 1,800	2.0 390/ 400/ 490	2.0 203/ 206/ 250
2.5m	1.0 1,920/ 1,960/ 2,380	1.3 1,440/ 1,470/ 1,780	2.3 640/ 650/ 790	2.5 280/ 290/ 350	0.6 2,600/ 2,650/ 3,200	1.1 1,270/ 1,300/ 1,570	2.4 390/ 400/ 480	2.5 176/ 179/ 218	0.6 1,900/ 1,920/ 2,350	1.1 950/ 960/ 1,170	2.4 250/ 260/ 310	2.5 130/ 132/ 160
3.0m	1.2 1,330/ 1,360/ 1,650	1.6 1,000/ 1,020/ 1,240	2.7 440/ 450/ 550	3.0 195/ 200/ 240	0.8 1,800/ 1,840/ 2,220	1.4 880/ 890/ 1,090	2.9 270/ 280/ 330	3.0 122/ 124/ 151	0.8 1,300/ 1,350/ 1,600	1.4 660/ 670/ 810	2.9 170/ 180/ 220	3.0 90/ 92/ 111

Hella Highbay

LIGHT	LUMEN	HOUR
LED	4,000K 41W: 3,900 62W: 5,850	L70 50,000
POWER	POWER	GUARANTEE
41 W	62 W	5 years

PRODUCT DETAILS	
Materials	Aluminium (frame and body), PMMA (lens and hood)
Lighting function	Spotlight, optional feature Ambient light
Body colours	Silver
Beam angle	30° or 60° / 20°*
Colour temperature	4,000 K / 3,000 K or 5,000 K*
Colour rendering index (CRI)	Ra > 80 / Ra > 90*
IP rating	20
Ambient colours	White, blue or orange*
Energy consumption (E/c) Energy class	41 W / 62 W A
Dimensions	Height: 636 mm Hood diameter: 410 mm Body diameter: 160 mm
Installation	Pendant light, bracket for ceiling installation included (6 m wire also included)
Weight	4600 g



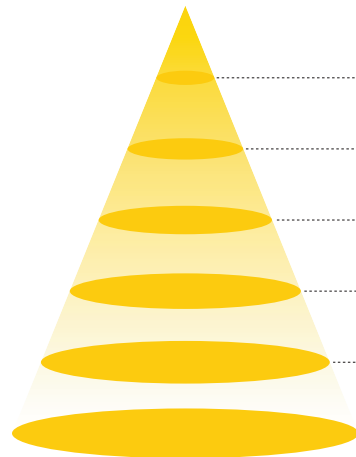
STANDARD VERSIONS	
Product code	Description
346.510-061	HB206 41 W 30° 4000 K, silver without ambient, on/off
346.510-031	HB206 41 W 60° 4000 K, silver without ambient, on/off
346.510-041	HB208 62 W 60° 4000 K, silver without ambient, on/off
346.510-141	HB206 41 W 30° 4000 K, silver without ambient, DALI
346.510-151	HB206 41 W 60° 4000 K, silver without ambient, DALI
346.510-051	HB208 62 W 60° 4000 K, silver without ambient, DALI

* available on request

Specifications

→ Comprehensive power supply selection: dimmable (DALI and 1-10V) or cost-effective ON/OFF option.

Illuminance



HB208 (62W) – 3,000/4,000K/5,000K HB206 (41W) – 3,000/4,000K/5,000K

Angle	20°			30°			60°						
	Distance	Diameter ø Illuminance (lx)		Distance	Diameter ø Illuminance (lx)		Distance	Diameter ø Illuminance (lx)					
3.0m	1.2	2,434 / 2,489 / 3,020	1.6	1,830 / 1,867 / 2,269	2.7	805 / 824 / 1007	1.2	1,636 / 1,673 / 2,030	1.6	1,230 / 1,255 / 1,525	2.7	541 / 554 / 677	
	3.5m	1.4	1,793 / 1,829 / 2,218	1.9	1,344 / 1,371 / 1,663	3.2	598 / 610 / 739	1.4	1,205 / 1,229 / 1,491	1.9	904 / 922 / 1,118	3.2	402 / 410 / 497
		4.0m	1.6	1,373 / 1,400 / 1,698	2.2	1,029 / 1,050 / 1,273	3.6	458 / 467 / 566	1.6	923 / 941 / 1,142	2.2	692 / 706 / 856	3.6
4.5m			1.8	1,084 / 1,106 / 1,342	2.5	813 / 830 / 1,006	4.1	361 / 369 / 447	1.8	729 / 743 / 902	2.5	547 / 558 / 676	4.1
	5.0m		2.0	878 / 896 / 1,087	2.8	659 / 672 / 815	4.5	293 / 299 / 362	2.0	590 / 602 / 731	2.8	443 / 452 / 548	4.5
		5.5m	2.2	726 / 740 / 898	3.1	544 / 555 / 673	5.0	242 / 247 / 299	2.2	488 / 498 / 604	3.1	366 / 373 / 453	5.0



IL2+ LED Linear Light

Specifications

- Modular LED lighting system.
- Specially designed optics that guarantee even light dispersion in spaces such as supermarkets, manufacturing plants and other large pavilions.
- Easy to install and maintain (no tools needed).
- Power supply and light sources are easy to replace at the end of their useful lives. No electrician needed.
- Cable sheath has enough space at the top for additional cabling. Each light can be freely positioned on the support rail. Lights can be serialised as desired.
- Besides lights, the rail can hold movement and daylight sensors to maximise energy-savings and the useful lives of the lights.

LIGHTING TECHNOLOGY

Light emission	3,300 lm or 4,400 lm
Luminous flux decrease	70% after 50,000 hours of use (according to IES LM80 and TM21)
Colour temperature	3,000 K / 4,000 K
Colour rendering index	> 80
Optics	N optics: narrow distribution of luminous intensity. Optimised for high installation heights. W optics: wide distribution of luminous intensity. Even distribution when lights are far apart, also for lower installation heights. D optics: double asymmetrical. Optimal for supermarkets. Particularly suitable for lighting shelves.

ELECTRICAL SPECIFICATIONS

Lighting type	LED module with 200 LED light sources per module
Power supply	1-10 V or DALI dimming
Voltage range	220-240 V / 50-60 Hz
Protection class	SK I
Energy consumption (E _c) Energy class	3 300 lm: 34 W / 4 400 lm: 44 W A
Power ratio	> 0,95
Protection against voltage spikes	4 kV

FURTHER DETAILS

Ambient temperature	3 300 lm: -25°C ... +40°C 4 400 lm: -25°C ... +25°C
Dimensions (L x W x H)	LED module: 592 x 72 mm Support rail: 0,6 m / 1,20 m / 3,00 m tai 4,20 m (L) 600 / 1,200 / 3,000 / 4,200 x 90 x 85 mm
Weight per 0,6 m	2,2 kg with maximum no. of modules installed; 1,3 kg without module
Materials	Aluminium (support rail), PMMA (lens), PP (power supply case)
Installation	Attached to support rail
Colours	Support rail: aluminium, Lights: glossy white (RAL 9016), grey (RAL 9007) or matte black (RAL 9017)
Certification	CE, ENEC, IP20 / IP40



We promise a lighting solution of the highest possible quality for your operational environment. Appropriate and reliable end results that support your business define our level of performance, not only in responsible Finnish design and production, but also in the service we provide you during our entire cooperation.

Hella personnel, Finland



HELLA PRODUCT SELECTOR

With this useful tool you can search products with different features and find the most suitable product for your needs. Selector will list the products matching your search and show all the necessary details from pictures to packaging information. You can also download installation instructions, light distribution files and measurement illustrations.

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