DESIGN FROM FINLAND

GAVIA®

STREET AND ROAD LUMINAIRE

Gavia is cost-effective and adaptive

A wide selection of optics for various lighting applications ensures the most energy-efficient solution. Its diverse power and size classes, with IP66 and IK08 ratings, make it suitable for demanding operating conditions.
Designed for an L95 100,000-hour lifespan.

EASY LED

MISS NOTHING.

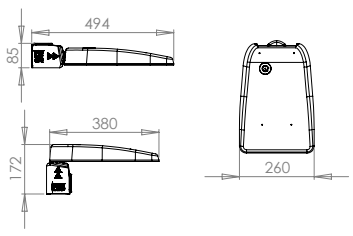
Housing	Aluminium die casting from 100% recycled aluminium, powder coated (RAL9006 White aluminium). Anodized aluminium and stainless steel parts. Anti-corrosion treated stainless steel fasteners. Available powder coated in RAL colours.
Lens cover	Extra bright hardened safety glass
Optics	Easy LED road and area optics in PMMA.
Protection rating	IP66, IK08
Temperature range	Designed for ambient temperatures of -40°C ...+50°C (95 % RH), depending on the model. Amber max. +35°C (Amber and Spectre optics - available for selected models).
Control	Built-in DALI-2 (1 address per luminaire) and available with Zhaga Book 18 compliant recepticle on the top (ZT), top and ground (ZTG) or ground (ZG) side. Preprogrammed stand-alone dimming available. Compatible with third party control systems. Several intelligent control systems available.
Dimming range	5 - 100 %
Lumen maintenance	Better than L95 after 100 000 h. 100% (1.00) CLO lumen maintenance compensation as standard.
Maintenance free life	100 000 h
Input voltage:	230 VAC (operation voltage range 198...264 VAC).
Input frequency	50/60 Hz
Power Factor (PF)	>0,9
Surge protection	10 kV L/N-PE (EN 61000-4-5), 6 kV L-N (EN 61000-4-5) DALI models up to 65 W: 10 kV L/N-PE (EN 61547), 8 kV L/N-PE (EN 61000-4-5), 6 kV L-N (EN 61000-4-5)
Automatic thermal protection	Inbuilt protection with advanced hysteresis
Luminaire protection class	CL I , available CL II
Connection	Spring terminal block, Optional pre-assembled installation cable
Installation	Vertical and horizontal arm 60-42 mm. Adjustable in 5-degree steps. Model for 76-60 mm available. NFC configuration possible using mobile app.
Weight	S-models: 4,3 kg (<4 kg for S-models up to 24-60) M-models: 5,7 kg
Warranty	5 years
Accessories	Optional internal surge protection device for improved overvoltage and lightning protection Bird spikes and spill light shields available Alternative fittings for wall, mast and pole

	Standard		
CCT (nominal)	**4000 K**	3000 K	3000 K
CRI (typical)	72	72	82
Luminaire luminous efficacy typical*	170 lm/W	160 lm/W	140 lm/W

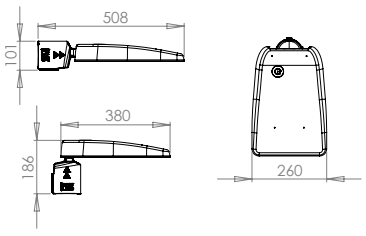
Available 840, 722, Amber and other variants

*For latest values, ask for light distribution files. *Values shown are nominal values and are subject to +/- 10 % tolerance

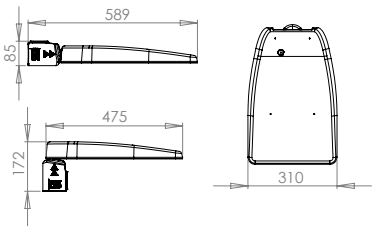
GAVIA S



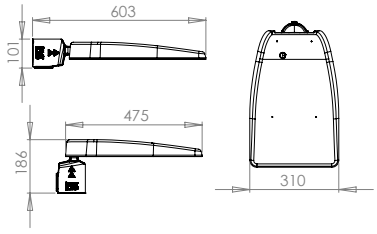
GAVIA S 76mm



GAVIA M



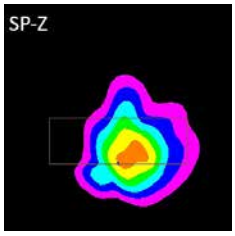
GAVIA M 76mm



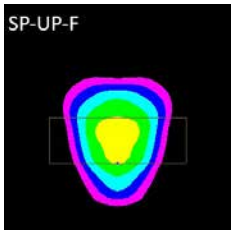
Version	LEDs - pcs	Luminous flux - lm	Power (CLO average) - W	Power (end of life) -W	Temperature range - °C	Efficacy (start) - lm/W
GAVIA S 8-7	8	1110	7	7	-40 ... +50	159
GAVIA S 8-9	8	1420	9	9	-40 ... +50	158
GAVIA S 8-11	8	1680	11	11	-40 ... +50	153
GAVIA S 8-13	8	1970	13	13	-40 ... +50	152
GAVIA S 8-15	8	2280	15	15	-40 ... +50	152
GAVIA S 8-18	8	2690	18	18	-40 ... +50	149
GAVIA S 8-22	8	3150	23	23	-40 ... +50	143
GAVIA S 8-25	8	3530	26	26	-40 ... +50	141
GAVIA S 12-18	12	3130	19	19	-40 ... +50	165
GAVIA S 12-22	12	3600	23	23	-40 ... +50	159
GAVIA S 12-26	12	4140	27	27	-40 ... +50	159
GAVIA S 12-30	12	4900	32	32	-40 ... +50	158
GAVIA S 12-40	12	5820	41	41	-40 ... +45	146
GAVIA S 16-28	16	4810	29	29	-40 ... +50	169
GAVIA S 16-33	16	5570	34	34	-40 ... +50	169
GAVIA S 16-40	16	6350	41	41	-40 ... +45	159
GAVIA S 16-50	16	7610	51	52	-40 ... +45	152
GAVIA S 24-40	24	6570	39	39	-40 ... +45	173
GAVIA S 24-50	24	8180	50	50	-40 ... +40	167
GAVIA S 24-60	24	9550	61	62	-40 ... +40	159
GAVIA S 24-70	24	10570	71	72	-40 ... +35	153
GAVIA S 24-75	24	11380	76	77	-40 ... +35	154
GAVIA M 24-40	24	6560	39	39	-40 ... +50	173
GAVIA M 24-50	24	8150	50	50	-40 ... +45	166
GAVIA M 24-60	24	9560	60	61	-40 ... +40	162
GAVIA M 24-70	24	10570	70	71	-40 ... +35	153
GAVIA M 24-75	24	11380	76	77	-40 ... +30	154
GAVIA M 32-65	32	10240	65	65	-40 ... +45	160
GAVIA M 32-70	32	10930	70	71	-40 ... +45	158
GAVIA M 32-80	32	12290	79	80	-40 ... +45	158
GAVIA M 32-90	32	14070	93	95	-40 ... +35	155
GAVIA M 32-100	32	14580	102	104	-40 ... +30	149
GAVIA M 40-75	40	12830	76	77	-40 ... +40	171
GAVIA M 40-90	40	14820	93	94	-40 ... +35	163
GAVIA M 40-110	40	17100	108	110	-40 ... +25	161
GAVIA M 40-120	40	17780	123	126	-40 ... +25	148
GAVIA M 48-100	48	16170	99	100	-40 ... +35	167
GAVIA M 48-115	48	18000	114	115	-40 ... +30	161
GAVIA M 48-135	48	20080	134	136	-40 ... +25	153
GAVIA M 48-145	48	20980	143	146	-40...+25	150
GAVIA M 48-150	48	21450	150	154	-40...+25	147

OPTICS

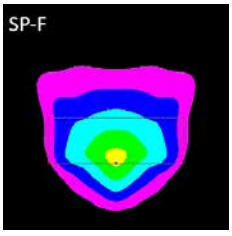
In the lighting design, all luminaires are positioned at a height of 6 meters and at a 5° angle. All luminaires are of the Gavia S 12-30 model. The luminaires are placed along the perimeter lines of a 30 m x 10 m rectangle located in front of them.



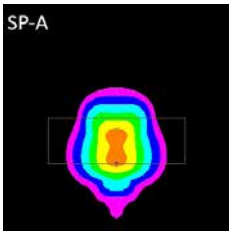
Crosswalk light, placed on the right side of the road just before the crosswalk. Z-left also available.



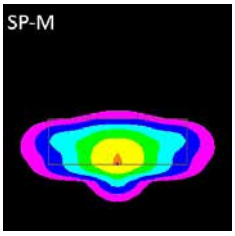
Excellent area light, more focused than the SP-F.



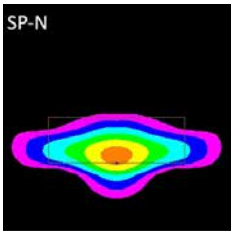
Area light, e.g. for parking lots, provides light from a relatively low angle over a wide area.



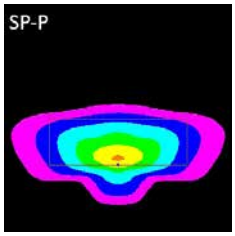
Square light pattern, e.g., for crosswalk lighting.



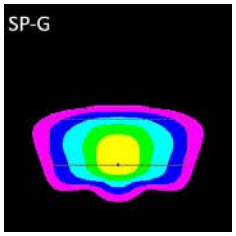
Good general street light, long pole spacing. Excellent wet road uniformity, suitable for urban areas and highways.



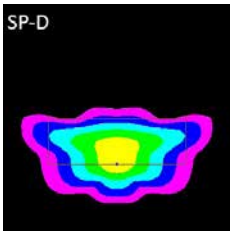
Energy-efficient optic for pedestrian paths and jogging trails. In same cases, suitable for residentials streets also.



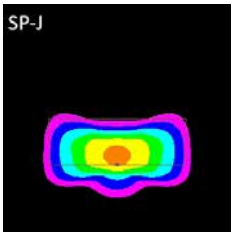
General optics for residential streets. Very long pole spacing, also suitable for pedestrian and cycle paths and jogging trails.



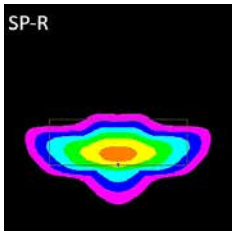
For very wide roads, fairly long pole spacing. Also features backlight control, and is suitable for area lighting, e.g., for parking lots.



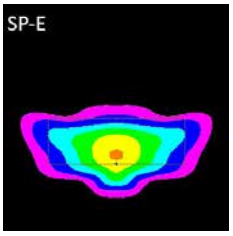
For wide roads, standard pole spacing. Features significant backlight control and excellent wet road uniformity.



Street/area optics, short pole spacing, no backlight.



Optics for very narrow roads. Standard pole spacing, very energy-efficient.



For wide roads with standard pole spacing, this option also offers backlight control and excellent wet road uniformity.

DESIGN FROM FINLAND

Gavia is powerful and stylish

The new, stylish Gavia street light is not only aesthetically pleasing but also easy to install. Its carefully chosen technical solutions ensure a long lifespan even in demanding Nordic conditions. The ceramic-based LED chips provide excellent and long-lasting light that meets joint Nordic requirements, guaranteeing efficient illumination in all environments.

Thanks to its wide range of optics and power options, the Gavia luminaire family always offers the right light for various needs and applications, from motorways and streets to pedestrian and cycle paths, parks, and outdoor routes.

DESIGNED AND MANUFACTURED IN FINLAND

EASY LED

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