

STREETLIGHT IP

LED module for outdoor applications



Areas of application

- Technical street lighting
- Decorative public outdoor lighting
- Public area lighting

Product benefits

- Wide range of light distributions (according to EN 13201)
- High luminous efficacy
- High quality of light thanks to low glare, no scattered light
- Fast time to market thanks to easy design-in
- Very effective thermal management thanks to uniform heat dissipation

Product features

- IP66 protected module
- Dimmable to 20 % of nominal output power
- Overtemperature protection (when operated with OT LED power supply with LEDset)
- Very long lifetime (L80 B10): up to 100,000 h



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Nominal current	Rated wattage	Type of current
ST IP G1 2700-730-2M	45.00 V	0.7 A	32.00 W	DC
ST IP G1 3000-740-2M	45.00 V	0.7 A	32.00 W	DC
ST IP G1 3700-730-4S	68.00 V	0.7 A	47.00 W	DC
ST IP G1 4000-740-4S	68.00 V	0.7 A	47.00 W	DC
ST IP G1 4000-750-4S	68.00 V	0.7 A	47.00 W	DC
ST IP G1 5500-740-4M	90.00 V	0.7 A	63.00 W	DC
ST IP G1 5500-740-4PL	90.00 V	0.7 A	63.00 W	DC
ST IP G1 5500-740-4PR	90.00 V	0.7 A	63.00 W	DC
ST IP G1 6000-740-4M	90.00 V	0.7 A	63.00 W	DC
ST IP G1 6000-750-4M	90.00 V	0.7 A	63.00 W	DC

Photometrical data

Product description	Color temperature	Color rendering index Ra	Total useful luminous flux	Lumen main. fact. at end of nom. life time	Luminous efficacy	Nom. useful luminous flux 120°
ST IP G1 2700-730-2M	3000 K	70	2700 lm	0.80	88 lm/W	
ST IP G1 3000-740-2M	4000 K	70	3000 lm	0.80	95 lm/W	
ST IP G1 3700-730-4S	3000 K	70	3700 lm	0.80	78 lm/W	
ST IP G1 4000-740-4S	4000 K	70	4000 lm	0.80	85 lm/W	
ST IP G1 4000-750-4S	5000 K	70	4000 lm	0.80	85 lm/W	
ST IP G1 5500-740-4M	3000 K	70	5500 lm	0.80	88 lm/W	
ST IP G1 5500-740-4PL	4000 K	70	2970 lm	0.80	87 lm/W	4520 lm
ST IP G1 5500-740-4PR	4000 K	70	2970 lm	0.80	87 lm/W	4520 lm
ST IP G1 6000-740-4M	4000 K	70	6000 lm	0.80	95 lm/W	
ST IP G1 6000-750-4M	5000 K	70	6000 lm	0.80	95 lm/W	

Product description	Rated useful luminous flux 120°	Rated peak intensity
ST IP G1 2700-730-2M		
ST IP G1 3000-740-2M		
ST IP G1 3700-730-4S		
ST IP G1 4000-740-4S		
ST IP G1 4000-750-4S		
ST IP G1 5500-740-4M		
ST IP G1 5500-740-4PL	4520 lm	5280 cd
ST IP G1 5500-740-4PR	4520 lm	5280 cd
ST IP G1 6000-740-4M		
ST IP G1 6000-750-4M		

Product family datasheet

Light technical data

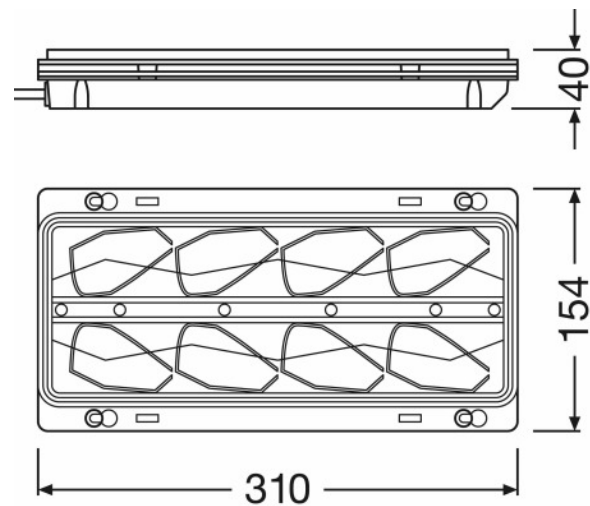
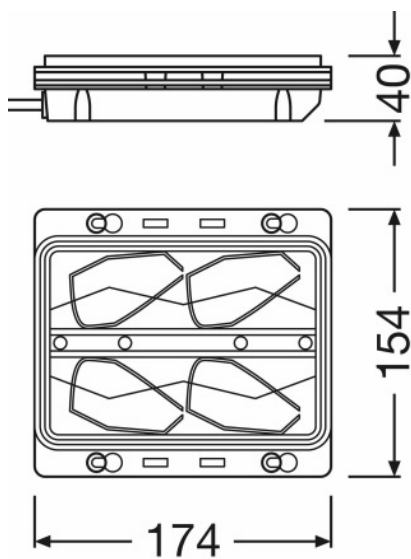
Product description	Warm-up time (60 %)	Nominal beam angle	Rated beam angle (half peak value)
ST IP G1 2700-730-2M	< 1.00 s		
ST IP G1 3000-740-2M	< 1.00 s		
ST IP G1 3700-730-4S	< 1.00 s		
ST IP G1 4000-740-4S	< 1.00 s		
ST IP G1 4000-750-4S	< 1.00 s		
ST IP G1 5500-740-4M	< 1.00 s		
ST IP G1 5500-740-4PL	< 1.00 s	50.00 °	48.00 °
ST IP G1 5500-740-4PR	< 1.00 s	50.00 °	48.00 °
ST IP G1 6000-740-4M	< 1.00 s		
ST IP G1 6000-750-4M	< 1.00 s		

Dimensions & weight

Product description	Construction length	Rated width	Rated height	Product weight
ST IP G1 2700-730-2M	174.0 mm	154.00 mm	40.00 mm	690.00 g
ST IP G1 3000-740-2M	174.0 mm	154.00 mm	40.00 mm	690.00 g
ST IP G1 3700-730-4S	310.0 mm	154.00 mm	40.00 mm	1135.00 g
ST IP G1 4000-740-4S	310.0 mm	154.00 mm	40.00 mm	1135.00 g
ST IP G1 4000-750-4S	310.0 mm	154.00 mm	40.00 mm	1135.00 g
ST IP G1 5500-740-4M	310.0 mm	154.00 mm	40.00 mm	1150.00 g
ST IP G1 5500-740-4PL	310.0 mm	154.00 mm	40.00 mm	1150.00 g
ST IP G1 5500-740-4PR	310.0 mm	154.00 mm	40.00 mm	1150.00 g
ST IP G1 6000-740-4M	310.0 mm	154.00 mm	40.00 mm	1150.00 g
ST IP G1 6000-750-4M	310.0 mm	154.00 mm	40.00 mm	1150.00 g

Product family datasheet

Product line drawing



ST IP G1 2700-730-2M, ST IP G1 3000-740-2M

ST IP G1 3700-730-4S, ST IP G1 4000-740-4S, ST IP G1 4000-750-4S, ST IP G1 5500-740-4M, ST IP G1 5500-740-4PL, ST IP G1 5500-740-4PR, ST IP G1 6000-740-4M, ST IP G1 6000-750-4M

Temperatures

Product description	Temperature range in operation	Temperature range at storage	Ambient temperature range
ST IP G1 2700-730-2M	-30...68 °C ¹⁾	-30...80 °C	-30...+68 °C
ST IP G1 3000-740-2M	-30...68 °C ¹⁾	-30...80 °C	-30...+68 °C
ST IP G1 3700-730-4S	-30...68 °C ¹⁾	-30...80 °C	-30...+68 °C
ST IP G1 4000-740-4S	-30...68 °C ¹⁾	-30...80 °C	-30...+68 °C
ST IP G1 4000-750-4S	-30...68 °C ¹⁾	-30...80 °C	-30...+68 °C
ST IP G1 5500-740-4M	-30...68 °C ¹⁾	-30...80 °C	-30...+68 °C
ST IP G1 5500-740-4PL	-30...68 °C ¹⁾	-30...80 °C	-30...+68 °C
ST IP G1 5500-740-4PR	-30...68 °C ¹⁾	-30...80 °C	-30...+68 °C
ST IP G1 6000-740-4M	-30...68 °C ¹⁾	-30...80 °C	-30...+68 °C
ST IP G1 6000-750-4M	-30...68 °C ¹⁾	-30...80 °C	-30...+68 °C

¹⁾ At the T_c point

Lifespan

Product family datasheet

Product description	Nominal lamp life time	Lifespan	Rated lamp life time	Number of switching cycles
ST IP G1 2700-730-2M	100000 h	100000 h ¹⁾	100000 h	15000
ST IP G1 3000-740-2M	100000 h	100000 h ¹⁾	100000 h	15000
ST IP G1 3700-730-4S	100000 h	100000 h ¹⁾	100000 h	15000
ST IP G1 4000-740-4S	100000 h	100000 h ¹⁾	100000 h	15000
ST IP G1 4000-750-4S	100000 h	100000 h ¹⁾	100000 h	15000
ST IP G1 5500-740-4M	100000 h	100000 h ¹⁾	100000 h	15000
ST IP G1 5500-740-4PL	100000 h	100000 h ¹⁾	100000 h	15000
ST IP G1 5500-740-4PR	100000 h	100000 h ¹⁾	100000 h	15000
ST IP G1 6000-740-4M	100000 h	100000 h ¹⁾	100000 h	15000
ST IP G1 6000-750-4M	100000 h	100000 h ¹⁾	100000 h	15000

¹⁾ L80/B10 at Tc 68 °C

Capabilities

Product description	Dimmable
ST IP G1 2700-730-2M	Yes
ST IP G1 3000-740-2M	Yes
ST IP G1 3700-730-4S	Yes
ST IP G1 4000-740-4S	Yes
ST IP G1 4000-750-4S	Yes
ST IP G1 5500-740-4M	Yes
ST IP G1 5500-740-4PL	Yes
ST IP G1 5500-740-4PR	Yes
ST IP G1 6000-740-4M	Yes
ST IP G1 6000-750-4M	Yes

Certificates & standards

Product description	Energy consumption	Energy efficiency class	Type of protection
ST IP G1 2700-730-2M	36 kWh/1000h	A	IP66
ST IP G1 3000-740-2M	36 kWh/1000h	A+	IP66
ST IP G1 3700-730-4S	52 kWh/1000h	A	IP66
ST IP G1 4000-740-4S	52 kWh/1000h	A	IP66
ST IP G1 4000-750-4S	52 kWh/1000h	A	IP66
ST IP G1 5500-740-4M	70 kWh/1000h	A+	IP66
ST IP G1 5500-740-4PL	70 kWh/1000h	A	IP66
ST IP G1 5500-740-4PR	70 kWh/1000h	A	IP66
ST IP G1 6000-740-4M	70 kWh/1000h	A+	IP66
ST IP G1 6000-750-4M	70 kWh/1000h	A+	IP66

Product description	Standards
ST IP G1 2700-730-2M	CE/acc. to EN 55015/acc. to EN 61547/acc. to EN 62471/acc. to EN 62031/acc. to EN 60529

Product family datasheet

Product description	Standards
ST IP G1 3000-740-2M	CE/acc. to EN 55015/acc. to EN 61547/acc. to EN 62471/acc. to EN 62031/acc. to EN 60529
ST IP G1 3700-730-4S	CE/acc. to EN 55015/acc. to EN 61547/acc. to EN 62471/acc. to EN 62031/acc. to EN 60529
ST IP G1 4000-740-4S	CE/acc. to EN 55015/acc. to EN 61547/acc. to EN 62471/acc. to EN 62031/acc. to EN 60529
ST IP G1 4000-750-4S	CE/acc. to EN 55015/acc. to EN 61547/acc. to EN 62471/acc. to EN 62031/acc. to EN 60529
ST IP G1 5500-740-4M	CE/acc. to EN 55015/acc. to EN 61547/acc. to EN 62471/acc. to EN 62031/acc. to EN 60529
ST IP G1 5500-740-4PL	CE/acc. to EN 55015/acc. to EN 61547/acc. to EN 62471/acc. to EN 62031/acc. to EN 60529
ST IP G1 5500-740-4PR	CE/acc. to EN 55015/acc. to EN 61547/acc. to EN 62471/acc. to EN 62031/acc. to EN 60529
ST IP G1 6000-740-4M	CE/acc. to EN 55015/acc. to EN 61547/acc. to EN 62471/acc. to EN 62031/acc. to EN 60529
ST IP G1 6000-750-4M	CE/acc. to EN 55015/acc. to EN 61547/acc. to EN 62471/acc. to EN 62031/acc. to EN 60529

Application advice

For more detailed application information and graphics please see product datasheet.

Additional product information

- Installation of LED modules (with power supplies) needs to be made under consideration of all valid regulations and norms.
- Installation by qualified electrician only.
- Please see the relevant application guides and instructions sheets for more detailed safety and mounting information. Additional information is available on request.
- The module / light engine has to be mounted to a proper heat sink in order to ensure that the maximum rated temperature at the T_c point will not be exceeded.
- Complies with IEC/EN 62031
- Complies with IEC/EN 61547
- Do not look directly or with optical aids into the light source (complies with IEC/EN 62471, risk group RG I).
- In order to operate OSRAM LED modules safely, it is absolutely necessary to operate them with an electronically stabilized power supply that protects against short circuits, overload and overheating.
- In order to operate OSRAM LED modules safely, it is absolutely necessary to operate them with an electronically stabilized power supply that protects against short circuits, overload and overheating.
- The clearance and creepage distances are designed for working voltages of up to 350 V DC (according to EN 62031/EN 60598).
- The LED module itself and all its components must not be stressed mechanically.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

Product family datasheet

File	
	Brochures Technical Application Guide STREETLIGHT IP G1 (GB)
	CAD data 3-dim ST IP G1 2700 730 2M 3D
	Eulumdat ST IP G1 2700 730 2M LDT
	CAD data 3-dim ST IP G1 3000 740 2M 3D
	Eulumdat ST IP G1 3000 740 2M LDT
	CAD data 3-dim ST IP G1 3700 730 4S 3D
	Eulumdat ST IP G1 3700 730 4S LDT
	CAD data 3-dim ST IP G1 4000 740 4S 3D
	Eulumdat ST IP G1 4000 740 4S LDT
	CAD data 3-dim ST IP G1 4000 750 4S 3D
	Eulumdat ST IP G1 4000 750 4S LDT
	CAD data 3-dim ST IP G1 5500 730 4M 3D
	Eulumdat ST IP G1 5500 730 4M LDT
	CAD data 3-dim ST IP G1 5500 740 4PL 3D
	Eulumdat ST IP G1 5500 740 4PL LDT
	CAD data 3-dim ST IP G1 5500 740 4PR 3D
	Eulumdat ST IP G1 5500 740 4PR LDT
	CAD data 3-dim ST IP G1 6000 740 4M 3D
	Eulumdat ST IP G1 6000 740 4M LDT
	CAD data 3-dim ST IP G1 6000 750 4M 3D
	Eulumdat ST IP G1 6000 750 4M LDT

Logistical Data

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899923171	ST IP G1 2700-730-2M	Shipping carton box 9	565 mm x 369 mm x 212 mm	44.20 dm ³	7107.00 g
4052899923188	ST IP G1 3000-740-2M	Shipping carton box 9	565 mm x 369 mm x 212 mm	44.20 dm ³	7107.00 g
4052899923126	ST IP G1 3700-730-4S	Shipping carton box 9	565 mm x 369 mm x 212 mm	44.20 dm ³	11112.00 g
4052899923133	ST IP G1 4000-740-4S	Shipping carton box 9	565 mm x 369 mm x 212 mm	44.20 dm ³	11112.00 g
4052899923140	ST IP G1 4000-750-4S	Shipping carton box 9	565 mm x 369 mm x 212 mm	44.20 dm ³	11112.00 g
4052899923096	ST IP G1 5500-740-4M	Shipping carton box 9	565 mm x 369 mm x 212 mm	44.20 dm ³	11247.00 g
4052899923157	ST IP G1 5500-740-4PL	Shipping carton box 9	565 mm x 369 mm x 212 mm	44.20 dm ³	11247.00 g
4052899923164	ST IP G1 5500-740-4PR	Shipping carton box 9	565 mm x 369 mm x 212 mm	44.20 dm ³	11247.00 g
4052899923102	ST IP G1 6000-740-4M	Shipping carton box 9	565 mm x 369 mm x 212 mm	44.20 dm ³	11247.00 g
4052899923119	ST IP G1 6000-750-4M	Shipping carton box 9	565 mm x 369 mm x 212 mm	44.20 dm ³	11247.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.