

## GinoLED HO Module G2

LED modules for street lighting

### Areas of application

- Airports, stations and factories
- Indoor courts, exhibition halls, warehouses



### Product family benefits

- High module efficacy: up to 165 lm/W
- Integrated heat sink for optimal thermal management and tailored optical design
- Light weight design for easy installation



## Product family datasheet

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### Product family features

- Available with beam angle: 60°×60° and 90°×90°
- Available with color temperature: 4,000 K, 6,500 K
- Color rendering index  $R_a$ : 80
- Impact resistance: IK08
- Type of protection: IP65
- Lifetime (L70/B50): 50,000 h
- Operating temperature range: -30...45 °C
- Certificates: CE, CB, CQC
- Lifetime (L70/B50) for GL-HO 80: 50,000 h (temperature at  $T_p = 50$  °C)
- Lifetime (L70/B50) for GL-HO 120: 50,000 h (temperature at  $T_p = 55$  °C)
- Lifetime (L70/B50) for GL-HO 150/180: 50,000 h (temperature at  $T_p = 60$  °C)

## Product family datasheet

### Technical data

#### Electrical data

Product description	Nominal current	Type of current
GL-HO-G2 80-840 L60X60	0.7 A	DC
GL-HO-G2 80-840 L90X90	0.7 A	DC
GL-HO-G2 80-865 L60X60	0.7 A	DC
GL-HO-G2 80-865 L90X90	0.7 A	DC
GL-HO-G2 120-840 L60X60	0.7 A	DC
GL-HO-G2 120-840 L90X90	0.7 A	DC
GL-HO-G2 120-865 L60X60	0.7 A	DC
GL-HO-G2 120-865 L90X90	0.7 A	DC
GL-HO-G2 150-840 L60X60	0.7 A	DC
GL-HO-G2 150-840 L90X90	0.7 A	DC
GL-HO-G2 150-865 L60X60	0.7 A	DC
GL-HO-G2 150-865 L90X90	0.7 A	DC
GL-HO-G2 180-840 L60X60	0.7 A	DC
GL-HO-G2 180-840 L90X90	0.7 A	DC
GL-HO-G2 180-865 L60X60	0.7 A	DC
GL-HO-G2 180-865 L90X90	0.7 A	DC

#### Photometrical data

Product description	Luminous efficacy
GL-HO-G2 80-840 L60X60	165 lm/W
GL-HO-G2 80-840 L90X90	165 lm/W
GL-HO-G2 80-865 L60X60	165 lm/W
GL-HO-G2 80-865 L90X90	165 lm/W
GL-HO-G2 120-840 L60X60	165 lm/W
GL-HO-G2 120-840 L90X90	165 lm/W
GL-HO-G2 120-865 L60X60	165 lm/W
GL-HO-G2 120-865 L90X90	165 lm/W
GL-HO-G2 150-840 L60X60	165 lm/W
GL-HO-G2 150-840 L90X90	165 lm/W
GL-HO-G2 150-865 L60X60	165 lm/W
GL-HO-G2 150-865 L90X90	165 lm/W
GL-HO-G2 180-840 L60X60	165 lm/W
GL-HO-G2 180-840 L90X90	165 lm/W
GL-HO-G2 180-865 L60X60	165 lm/W
GL-HO-G2 180-865 L90X90	165 lm/W

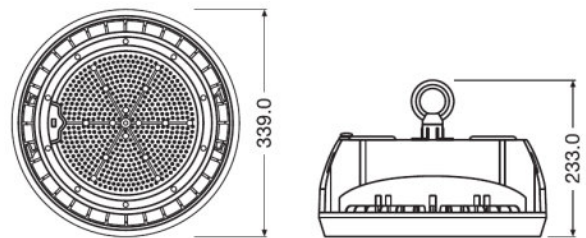
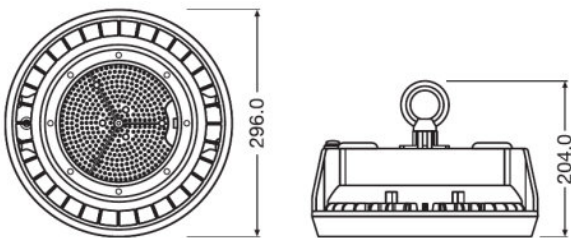
#### Dimensions & weight

Product description	Product weight
GL-HO-G2 80-840 L60X60	2100.00 g

## Product family datasheet

Product description	Product weight
GL-HO-G2 80-840 L90X90	2100.00 g
GL-HO-G2 80-865 L60X60	2100.00 g
GL-HO-G2 80-865 L90X90	2100.00 g
GL-HO-G2 120-840 L60X60	2100.00 g
GL-HO-G2 120-840 L90X90	2100.00 g
GL-HO-G2 120-865 L60X60	2100.00 g
GL-HO-G2 120-865 L90X90	2100.00 g
GL-HO-G2 150-840 L60X60	2100.00 g
GL-HO-G2 150-840 L90X90	2100.00 g
GL-HO-G2 150-865 L60X60	2100.00 g
GL-HO-G2 150-865 L90X90	2100.00 g
GL-HO-G2 180-840 L60X60	2800.00 g
GL-HO-G2 180-840 L90X90	2800.00 g
GL-HO-G2 180-865 L60X60	2800.00 g
GL-HO-G2 180-865 L90X90	2800.00 g

### Product line drawing



GL-HO-G2 80-840 L60X60, GL-HO-G2 80-840 L90X90, GL-HO-G2 80-865 L60X60, GL-HO-G2 80-865 L90X90, GL-HO-G2 120-840 L60X60, GL-HO-G2 120-840 L90X90, GL-HO-G2 120-865 L60X60, GL-HO-G2 120-865 L90X90, GL-HO-G2 150-840 L60X60, GL-HO-G2 150-840 L90X90, GL-HO-G2 150-865 L60X60, GL-HO-G2 150-865 L90X90

GL-HO-G2 180-840 L60X60, GL-HO-G2 180-840 L90X90, GL-HO-G2 180-865 L60X60, GL-HO-G2 180-865 L90X90

## Product family datasheet

### Temperatures & operating conditions

Product description	Temperature range in operation at Tc point	Temperature range at storage
GL-HO-G2 80-840 L60X60	-30...45 °C	-40...80 °C
GL-HO-G2 80-840 L90X90	-30...45 °C	-40...80 °C
GL-HO-G2 80-865 L60X60	-30...45 °C	-40...80 °C
GL-HO-G2 80-865 L90X90	-30...45 °C	-40...80 °C
GL-HO-G2 120-840 L60X60	-30...45 °C	-40...80 °C
GL-HO-G2 120-840 L90X90	-30...45 °C	-40...80 °C
GL-HO-G2 120-865 L60X60	-30...45 °C	-40...80 °C
GL-HO-G2 120-865 L90X90	-30...45 °C	-40...80 °C
GL-HO-G2 150-840 L60X60	-30...45 °C	-40...80 °C
GL-HO-G2 150-840 L90X90	-30...45 °C	-40...80 °C
GL-HO-G2 150-865 L60X60	-30...45 °C	-40...80 °C
GL-HO-G2 150-865 L90X90	-30...45 °C	-40...80 °C
GL-HO-G2 180-840 L60X60	-30...45 °C	-40...80 °C
GL-HO-G2 180-840 L90X90	-30...45 °C	-40...80 °C
GL-HO-G2 180-865 L60X60	-30...45 °C	-40...80 °C
GL-HO-G2 180-865 L90X90	-30...45 °C	-40...80 °C

### Lifespan

Product description	Lifespan
GL-HO-G2 80-840 L60X60	50000 h 1)
GL-HO-G2 80-840 L90X90	50000 h 1)
GL-HO-G2 80-865 L60X60	50000 h 1)
GL-HO-G2 80-865 L90X90	50000 h 1)
GL-HO-G2 120-840 L60X60	50000 h 1)
GL-HO-G2 120-840 L90X90	50000 h 1)
GL-HO-G2 120-865 L60X60	50000 h 1)
GL-HO-G2 120-865 L90X90	50000 h 1)
GL-HO-G2 150-840 L60X60	50000 h 1)
GL-HO-G2 150-840 L90X90	50000 h 1)
GL-HO-G2 150-865 L60X60	50000 h 1)
GL-HO-G2 150-865 L90X90	50000 h 1)
GL-HO-G2 180-840 L60X60	50000 h 1)

## Product family datasheet

Product description	Lifespan
GL-HO-G2 180-840 L90X90	50000 h 1)
GL-HO-G2 180-865 L60X60	50000 h 1)
GL-HO-G2 180-865 L90X90	50000 h 1)

1) L70/B50 at T<sub>p</sub> normal

### Capabilities

Product description	Dimmable
GL-HO-G2 80-840 L60X60	Yes
GL-HO-G2 80-840 L90X90	Yes
GL-HO-G2 80-865 L60X60	Yes
GL-HO-G2 80-865 L90X90	Yes
GL-HO-G2 120-840 L60X60	Yes
GL-HO-G2 120-840 L90X90	Yes
GL-HO-G2 120-865 L60X60	Yes
GL-HO-G2 120-865 L90X90	Yes
GL-HO-G2 150-840 L60X60	Yes
GL-HO-G2 150-840 L90X90	Yes
GL-HO-G2 150-865 L60X60	Yes
GL-HO-G2 150-865 L90X90	Yes
GL-HO-G2 180-840 L60X60	Yes
GL-HO-G2 180-840 L90X90	Yes
GL-HO-G2 180-865 L60X60	Yes
GL-HO-G2 180-865 L90X90	Yes

### Certificates & standards

Product description	Type of protection	Standards
GL-HO-G2 80-840 L60X60	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 80-840 L90X90	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 80-865 L60X60	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3

## Product family datasheet

Product description	Type of protection	Standards
GL-HO-G2 80-865 L90X90	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 120-840 L60X60	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 120-840 L90X90	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 120-865 L60X60	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 120-865 L90X90	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 150-840 L60X60	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 150-840 L90X90	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 150-865 L60X60	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 150-865 L90X90	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3

## Product family datasheet

Product description	Type of protection	Standards
GL-HO-G2 180-840 L60X60	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 180-840 L90X90	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 180-865 L60X60	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3
GL-HO-G2 180-865 L90X90	IP65	Acc. to IEC 62778/Acc. to IEC 60598-1/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3

### Logistical data

Product description	Commodity code
GL-HO-G2 80-840 L60X60	940540999000
GL-HO-G2 80-840 L90X90	940540999000
GL-HO-G2 80-865 L60X60	940540999000
GL-HO-G2 80-865 L90X90	940540999000
GL-HO-G2 120-840 L60X60	940540999000
GL-HO-G2 120-840 L90X90	940540999000
GL-HO-G2 120-865 L60X60	940540999000
GL-HO-G2 120-865 L90X90	940540999000
GL-HO-G2 150-840 L60X60	940540999000
GL-HO-G2 150-840 L90X90	940540999000
GL-HO-G2 150-865 L60X60	940540999000
GL-HO-G2 150-865 L90X90	940540999000
GL-HO-G2 180-840 L60X60	940540999000
GL-HO-G2 180-840 L90X90	940540999000
GL-HO-G2 180-865 L60X60	940540999000
GL-HO-G2 180-865 L90X90	940540999000

### Application advice

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



## Product family datasheet

Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172051354	GL-HO-G2 80-840 L60X60	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051378	GL-HO-G2 80-840 L90X90	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051392	GL-HO-G2 80-865 L60X60	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051415	GL-HO-G2 80-865 L90X90	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051439	GL-HO-G2 120-840 L60X60	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051453	GL-HO-G2 120-840 L90X90	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051477	GL-HO-G2 120-865 L60X60	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051491	GL-HO-G2 120-865 L90X90	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051514	GL-HO-G2 150-840 L60X60	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051538	GL-HO-G2 150-840 L90X90	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051576	GL-HO-G2 150-865 L60X60	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051590	GL-HO-G2 150-865 L90X90	Shipping carton box 1	362 mm x 362 mm x 189 mm	24.77 dm <sup>3</sup>	2896.00 g
4062172051613	GL-HO-G2 180-840 L60X60	Shipping carton box 1	402 mm x 402 mm x 214 mm	34.58 dm <sup>3</sup>	3770.00 g
4062172051651	GL-HO-G2 180-840 L90X90	Shipping carton box 1	402 mm x 402 mm x 214 mm	34.58 dm <sup>3</sup>	3770.00 g
4062172051675	GL-HO-G2 180-865 L60X60	Shipping carton box 1	402 mm x 402 mm x 214 mm	34.58 dm <sup>3</sup>	3770.00 g
4062172051699	GL-HO-G2 180-865 L90X90	Shipping carton box 1	402 mm x 402 mm x 214 mm	34.58 dm <sup>3</sup>	3770.00 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.

## Product family datasheet

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### Disclaimer

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