



Develop  
your custom  
solution

**24**  
Vdc

Base  
**IP65**  
Protection Degree

**CE**  
RoHS

**UK**  
**CA**

**FC**

## Illuminator Features :

- Project achieved by internal resources and Genesi skills;
- Model with transparent and opaline covers;
- Model with two wires, M8, M12 with or without fast start (PNP);

COLOUR	WHITE		UV-A	VISIBLE					NIR			SWIR				
Led Colour	White 6000K	White 4000K	UV 405nm	Blue 450nm	Green 524nm	Red 625nm	Deep Red 660nm	IR 730nm	IR 850nm	IR 950nm	SWIR 1050nm	SWIR 1200nm	SWIR 1300nm	SWIR 1450nm	SWIR 1550nm	
	-6K	-4K	-405	-450	-524	-625	-660	-730	-850	-950	-1050	-1200	-1300	-1450	-1550	

# GH Part Number

Ex. Code : **GHAAXBB** -**YYY** -**CCC** -**WW1** -**WW2**

AAXBB	Lengths	Heights
Thickness 12 mm		
GH29X24	2,9 cm	2,4 cm
GH50X36	5 cm	3,6 cm
GH60X42	6 cm	4,2 cm
GH94x42	9,4 cm	4,2 cm
GH94X80	9,4 cm	80 cm
GH124X116	12,4 cm	11,6 cm
Thickness 26 mm		
GH60X60	6 cm	6 cm
GH120X60	12 cm	6 cm
GH180X60	18 cm	6 cm
GH120X120	12 cm	12 cm
GH180X120	18 cm	12 cm
GH180X180	18 cm	18 cm
GH300X180	30 cm	18 cm
GH300X300	30 cm	30 cm
GH420X300	42 cm	30 cm
GH420X420	42 cm	42 cm
GHAABB	from 5 cm to 100 cm on demand	

-YYY	Led Colours
-6K	Base 6000K Cold White
-4K	4000K Natural White
-405	UV 405 nm
-RGB	RGB
-450	450 nm Royal Blue
-524	524 nm Green
-625	625 nm Red
-660	660 nm Deep Red
-730	730 nm IR
-850	850 nm IR
-950	950 nm IR
-1050	1050 nm SWIR
-1200	1200 nm SWIR
-1300	1300 nm SWIR
-1450	1450 nm SWIR
-1550	1550 nm SWIR
-YYY	Colour on demand

-CCC	Powers
	Base 25 mA per led GH model 12mm
	Base 30 mA per led GH model 26mm
-CC	Current Control
-15	15 mA per led
-100	100 mA per led
-300	300 mA per led
-CCC	Current on demand

-WW1	Cover variants
	Base Opaline cover
-T	Transparent cover
-OPC	Collimating filter + Opaline cover
-TP	Polarizing filter + Transparent cover
-OPP	Polarizing filter + Opaline cover
-WW1	Cover on demand

-WW2	Cables
	Base 2 Mt cable 2 wires
-M8	20 cm cable + M8 3P M
-M12	20 cm cable + M12 5P M
-S	2 Mt cable + logic start
-M8S	20 cm cable + M8 3P M + logic start
-M12S	20 cm cable + M12 5P M + logic start
-5M	5 Mt 2P cable
-5MS	5 Mt 3P cable + logic start
-WW2	Supply connection on demand

Not all combinations are available

## Part Number Examples:

### GH94X42-6K

Backlight 94x42mm h 12mm 6000K Opaline cover 900Lm 250mA  
6,0W 2Mt cable 2 Wires

### GH190X100-6K

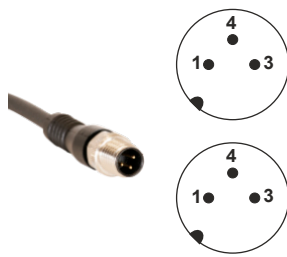
Backlight 190x100 mm h 25mm 6000K 300mA 7,2W 2Mt cable  
2 Wires

### GH180X180-625-M12S

Backlight 180x180mm h 26mm Red 625nm Opaline cover  
1,08A 26W 20cm M12 5 poles cable + logic start

# PIN OUT

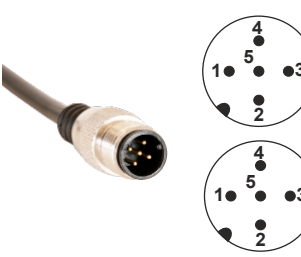
### -M8 / -M8S



M8 - Male 3 Poles	
1	+24 V
3	GND
4	NC

M8S - Male 3 Poles	
1	+24 V
3	GND
4	Start

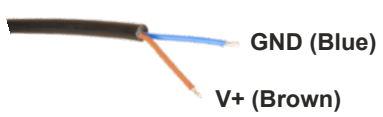
### -M12 / -M12S



Under 4 A		Over 4 A	
M12 - Male 5 Poles		M12 - Male 5 Poles	
1	+24 V	1	+24 V
2	NC	2	+24 V
3	GND	3	GND
4	NC	4	NC
5	NC	5	GND

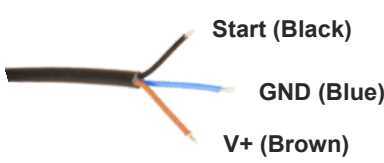
Under 4 A		Over 4 A	
M12S - Male 5 Poles		M12S - Male 5 Poles	
1	+24 V	1	+24 V
2	NC	2	+24 V
3	GND	3	GND
4	Start PNP	4	Start PNP
5	NC	5	GND

### -5M / -10M



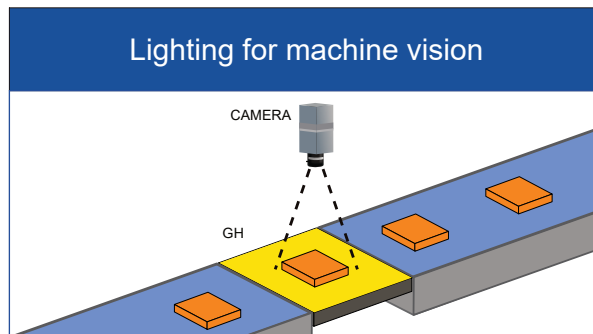
GND (Blue)  
V+ (Brown)

### -S / -5MS / -10MS




Start (Black)  
GND (Blue)  
V+ (Brown)

# TYPICAL APPLICATIONS

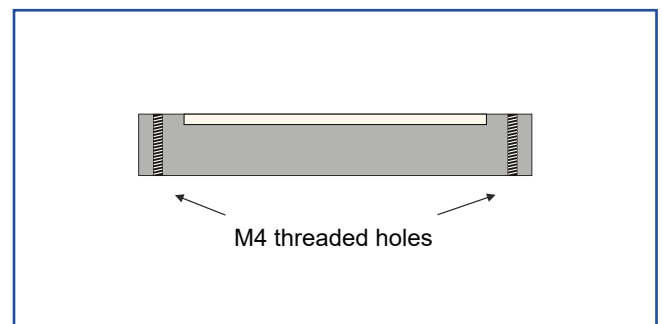


## MECHANICAL DRAWING

AAXB	B	C
GH		12
GH		26
GHAAXB		XXX

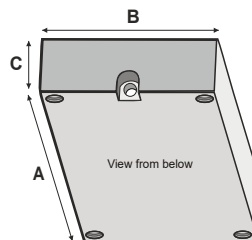


## FIXING



For 3D mechanical drawing requests - [info@genesi-lux.it](mailto:info@genesi-lux.it)

# BASE MODEL LENGTHS & POWERS



**WORKING TEMPERATURE RANGE**  
FROM - 35°C ( NO FROST) TO + 55°C

Mod.	A ( mm )	B ( mm )	C ( mm )	Supply voltage	Supply current	Power consumption	
GH29x24-6K	29	24	12	24/vdc +/- 10%	25 mA	0,6 W	
GH50x36-6K	50	36	12		100 mA	2,4 W	
GH60x42-6K	60	42	12		150 mA	3,6 W	
GH94x42-6K	94	42	12		250 mA	6,0 W	
GH94x80-6K	94	80	12		500 mA	12,0 W	
GH124x116-6K	124	116	12		1050 mA	25,2 W	
GH60x60-6K	60	60	26		160 mA	4,0 W	
GH120x60-6K	120	60	26		320 mA	8,0 W	
GH180x60-6K	180	60	26		480 mA	12,0 W	
GH120x120-6K	120	120	26		640 mA	15,0 W	
GH180x120-6K	180	120	26		960 mA	23,0 W	
GH180x180-6K	180	180	26		1080 mA	26,0 W	
GH300x180-6K	300	180	26		1800 mA	43,0 W	
GH300x300-6K	300	300	26		2000 mA	48,0 W	
GH420x300-6K	420	300	26		2800 mA	67,0 W	
GH420x420-6K	420	420	26		3920 mA	94,0 W	
<b>GHXXX from 50 mm to 1000 mm</b>							

## LIGHT PROJECTION

- OP	
Working Distance	Luminance cd/m <sup>2</sup>
On Surface	TBD

Design & Production  
Made in Italy



**Genesi LUX®**

GENESI ELETTRONICA SRL - VIA BACHELET, 3/A - 41057 SPILAMBERTO (MO) - ITALY  
[info@genesi-lux.it](mailto:info@genesi-lux.it) - TEL. +39 059785566 - [www.genesi-elettronica.com](http://www.genesi-elettronica.com)

©All Rights Reserved GENESI ELETTRONICA - GH



Organization with a  
certified ISO 9001:2015  
Quality Management System

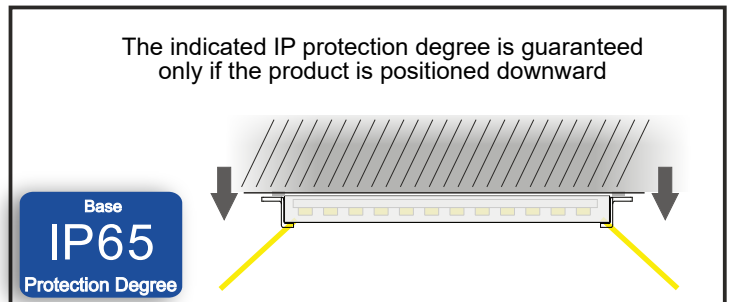
Rev. 01/26

## Tailor-Made

Connector	PINS	Function	Description
	1		
	2		
	3		
	4		
	5		

## DEVELOP YOUR CUSTOM PRODUCT WITH OUR R&D TEAM

The indicated IP protection degree is guaranteed only if the product is positioned downward



### NEW SOLUTION

DESIGN A NEW ONE

[info@genesi-lux.it](mailto:info@genesi-lux.it)



### SAMPLE

TEST THE PRODUCT

[info@genesi-lux.it](mailto:info@genesi-lux.it)



### DOWNLOAD

TECHNICAL SPECIFICATIONS

[www.genesi-elettronica.com](http://www.genesi-elettronica.com)



### REQUEST

THE PRICE LIST

[info@genesi-lux.it](mailto:info@genesi-lux.it)

STANDARDS	
EMC immunity :	EN 61547:2009
EMC emission :	EN 55015:2019
Photobiologic risk :	EN 62471:2008 GLS:
Assessment of lighting equipment related to human exposure to electromagnetic fields	EN 62493:2015

### WARNING

-Electrical device exclusively for professional use. Installation can be done by qualified personnel only.

-In case of power supply wire damage, its replacement has to be done at the head office exclusively.

Warranty loss in case of inappropriate use and tampering.



Design & Production  
Made in Italy



**Genesi LUX®**

GENESI ELETTRONICA SRL - VIA BACHELET, 3/A - 41057 SPILAMBERTO (MO) - ITALY

[info@genesi-lux.it](mailto:info@genesi-lux.it) - TEL. +39 059785566 - [www.genesi-elettronica.com](http://www.genesi-elettronica.com)

©All Rights Reserved GENESI ELETTRONICA - GH



Organization with a  
certified ISO 9001:2015  
Quality Management System

Rev. 01/26