



Develop  
your custom  
solution

18  
Standard  
Colours

Base  
**IP67**  
Protection Degree

Optional  
Polarizing  
Filter

**24**  
Vdc

**CE**  
RoHS

**UK**  
**CA**

**FC**

## Illuminator Features :

- Project achieved by internal resources and Genesi skills;
- Model with transparent, pyrex glass 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 365nm	UV 385nm	UV 395nm	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	SWIR 1600nm
	-6K	-4K	-365	-385	-395	-405	-450	-524	-625	-660	-730	-850	-950	-1050	-1200	-1300	-1450	-1550	-1650

# GES Part Number

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

XXX	Base Diameters
GES40	40 mm
GES50	50 mm
GES70	70 mm
GES90	90 mm
GESXX	Diameter on demand

-YYY	Led Colours	
-6K	Base 6000K Cold White	White
-4K	4000K Natural White	
-365	UV 365 nm	UV - A
-385	UV 385 nm	
-395	UV 395 nm	
-405	UV 405 nm	
-RGB	RGB	Visible
-450	450 nm Royal Blue	
-524	524 nm Green	
-625	625 nm Red	
-660	660 nm Deep Red	
-730	730 nm IR	Nir
-850	850 nm IR	
-950	950 nm IR	
-1050	1050 nm SWIR	Swir
-1200	1200 nm SWIR	
-1300	1300 nm SWIR	
-1450	1450 nm SWIR	
-1550	1550 nm SWIR	
-YYY	Colour on demand	

-CCC	Powers
	Base 175 mA GES40
	Base 250 mA GES50
	Base 500 mA GES70
	Base 1 A GES90
-CC	Current Control
-2A	2 A per led only strobe use
-4A	4 A per led only strobe use
-CCC	Current on demand

-WW1	Cover variants
-T	Base Transparent cover
-OP	Base Opaline cover
-V	Pyrex glass 3 mm
-L10	10° lens + transparent cover ONLY FOR GES40
-L20	20° lens + transparent cover
-L30	30° lens + transparent cover ONLY FOR GES40
-L40	40° lens + transparent cover
-L60	60° lens + transparent cover ONLY FOR GES40
-P	Polarizing filter 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:

### GES40-6K-L10-T

Spot light 40mm diameter White 6000K 10° Lens transparent cover 450Lm 0,175A 4W 2Mt cable 2 Wires

### GES70-625-L20-T-M12

Spot light 70mm diameter Red 625nm 20° Lens transparent cover 500mA 12W 20cm M12 cable 5 poles

### GES90-625-L20-T-M12

Spot light 90mm diameter Red 625nm 20° Lens transparent cover 1A 24W M12 cable 5 poles

Cable extensions for M8 and M12: page 54

Design & Production  
Made in Italy



**Genesi LUX**

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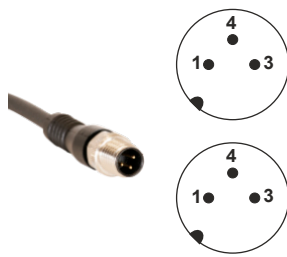


Organization with a certified ISO 9001:2015 Quality Management System

Rev. 01/26

# PIN OUT

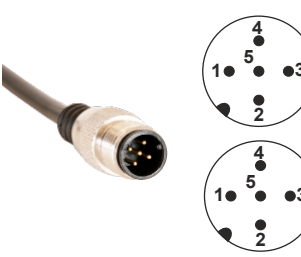
### -M8 / -M8S



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

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

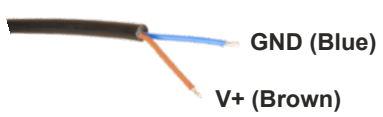
### -M12 / -M12S



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

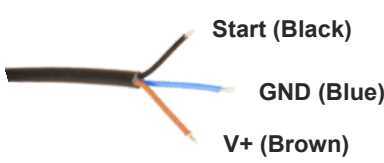
Under 4 A		Over 4 A	
M12S - Male 5 Poles		M12S - Male 5 Poles	
1	+24 V	1	+24 V
2	NC	2	+24 V
3	GND	3	GND
4	Start PNP	4	Start PNP
5	NC	5	GND

### -5M / -10M



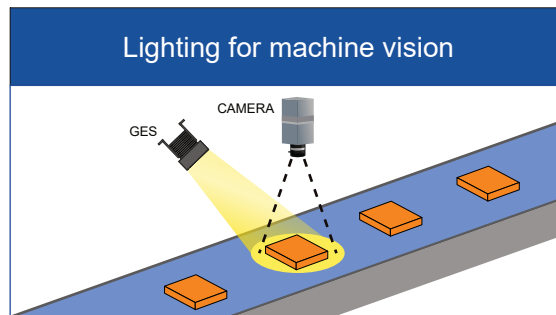
GND (Blue)  
V+ (Brown)

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

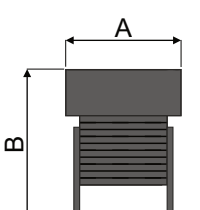


Start (Black)  
GND (Blue)  
V+ (Brown)

# TYPICAL APPLICATIONS



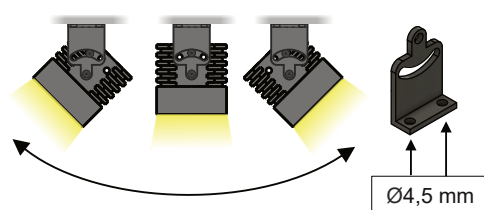
## MECHANICAL DRAWING



XXX	A	B
GES40	40	55
GES50	50	65
GES70	70	89
GES90	90	121

## FIXING

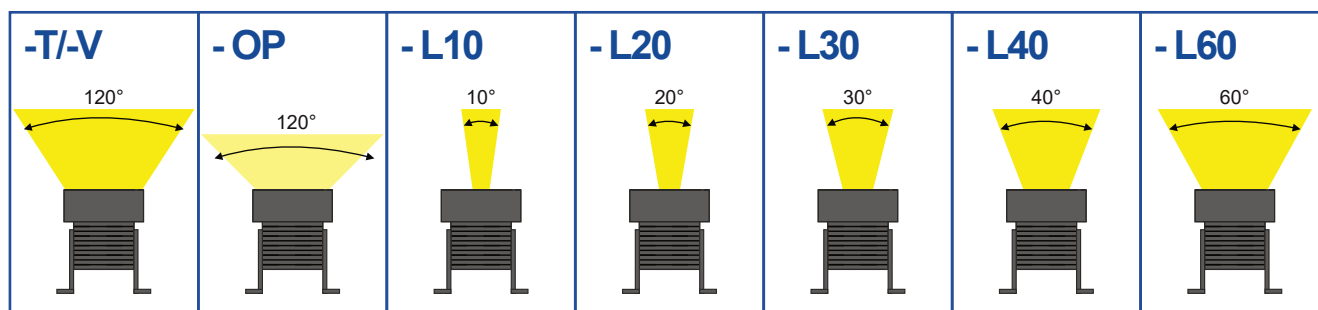
ROTATING FASTENERS INCLUDED



Ø4,5 mm

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

# BEAM ANGLES AND COVERS



## LIGHT PROJECTION

GES40-6K-T		
Working distance	Diameter mm	Power W/m <sup>2</sup>
20 cm	TBD	TBD
40 cm	TBD	TBD
100 cm	TBD	TBD

GES40-6K-L10°		
Working distance	Diameter mm	Power W/m <sup>2</sup>
20 cm	TBD	TBD
40 cm	TBD	TBD
100 cm	TBD	TBD

GES40-6K-L20°		
Working distance	Diameter mm	Power W/m <sup>2</sup>
20 cm	TBD	TBD
40 cm	TBD	TBD
100 cm	TBD	TBD

GES40-6K-L30°		
Working distance	Diameter mm	Power W/m <sup>2</sup>
20 cm	TBD	TBD
40 cm	TBD	TBD
100 cm	TBD	TBD

GES40-6K-L40°		
Working distance	Diameter mm	Power W/m <sup>2</sup>
20 cm	TBD	TBD
40 cm	TBD	TBD
100 cm	TBD	TBD

GES40-6K-L60°		
Working distance	Diameter mm	Power W/m <sup>2</sup>
20 cm	TBD	TBD
40 cm	TBD	TBD
100 cm	TBD	TBD

## Tailor-Made

Connector	PINS	Function	Description
	1		
	2		
	3		
	4		
	5		

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



### 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.



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