

Develop
your custom
solution

18
Standard
Colours

Base
IP65
Protection Degree

24
Vdc

Optional
Polarizing
Filter

Optional
IO-Link
External
controller

CE
RoHS

UK
CA

Illuminator Features :

- Project achieved by internal resources and Genesi skills;
- Model with transparent, satin and opaline cover
- 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 530nm	Red 625nm	Deep Red 660nm	IR 730nm	IR 850nm	IR 950nm	SWIR 1050nm	SWIR 1200nm	SWIR 1300nm	SWIR 1450nm	SWIR 1550nm
	-6K	-4K	-365	-385	-395	-405	-470	-524	-625	-660	-730	-850	-950	-1050	-1200	-1300	-1450	-1550

Ex. Code : **GELXXX** -**YYY** -**CCC** -**WW1** -**WW2** -**WW3**

XXX	Base Lengths
GEL05	5 cm
GEL09	9 cm
GEL18	18 cm
GEL25	25 cm
GEL34	34 cm
GEL42	42 cm
GEL50	50 cm
GEL100	100 cm
GEL200	200 cm
GELXXX	from 3 cm to 600 cm on demand

-YYY	Led Colours	EN 62471
-6K	Base 6000K Cold White	White RISK1
-4K	4000K Natural White	
-365	UV 365 nm	UV - A RISK3
-385	UV 385 nm	
-395	UV 395 nm	
-405	UV 405 nm	
-RGB	RGB	Visible RISK1
-450	450 nm Royal Blue	
-524	524 nm Green	Nir RISK2
-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	Swir RISK2
-1450	1450 nm SWIR	
-1550	1550 nm SWIR	
-1650	1650 nm SWIR	
-YYY	Colour on demand	

-CCC	Powers
	Base 85 mA per led up to 25 cm
	Base 70 mA per led up to 50 cm
	Base 55 mA per led up to 200 cm
-10	10 mA per led
-20	20 mA per led
-40	40 mA per led
-120	120 mA per led Semi-continuous use
-300	300 mA per led only strobe use
-RA10	Analog reg 0-10V
-RA24	Analog reg 0-24V
-CC	Current Control
-CCC	Current on demand

-WW1	Cover variants
-T	Base Transparent cover
-OP	Base Opaline cover
-ST	Satin cover
-TP	Polarizing filter + Trasparent cover
-OPP	Polarizing filter + Opaline cover
-WW1	Cover on demand

-WW2	Fixing variants
	Base fixing
-FC	Short fixing
-FS	Rear fixing

-WW3	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
-WW3	Supply connection on demand

Up to 3 different colours in a single light

Not all combinations are available

Part Number Examples:

GEL25-6K-OP

Led bar 25cm White 6000K Opaline cover 2700Lm 765mA 18W 2 Mt cable 2 Wires

GEL34-850-70-T-M8S

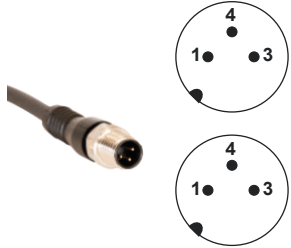
Led bar 34cm IR 850nm Transparent cover 840mA 20W 20cm cable M8 3P M+ logic start

GEL200-470-OP

Led bar 200cm Blue 470nm Opaline cover GE442 4,25A 102W 2Mt cable

PIN OUT

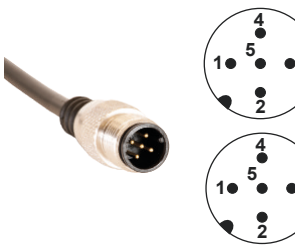
-M8 / -M8S



1	+24 V
3	GND
4	NC

1	+24 V
3	GND
4	Start

-M12 / -M12S



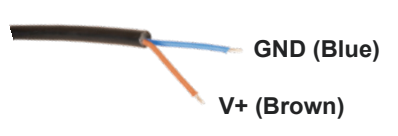
1	+24 V
2	NC
3	GND
4	NC
5	NC

1	+24 V
2	+24 V
3	GND
4	NC
5	GND

1	+24 V
2	NC
3	GND
4	Start PNP
5	NC

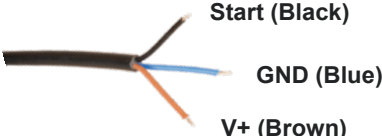
1	+24 V
2	+24 V
3	GND
4	Start PNP
5	GND

-5M / -10M



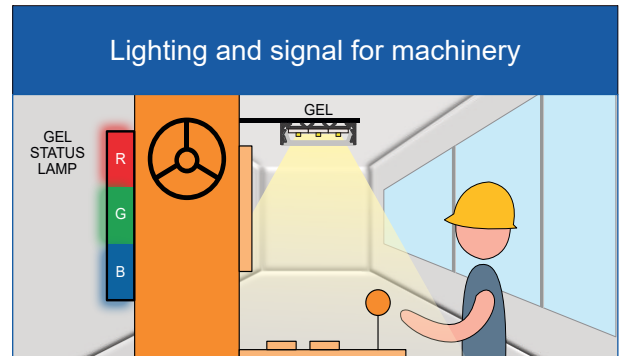
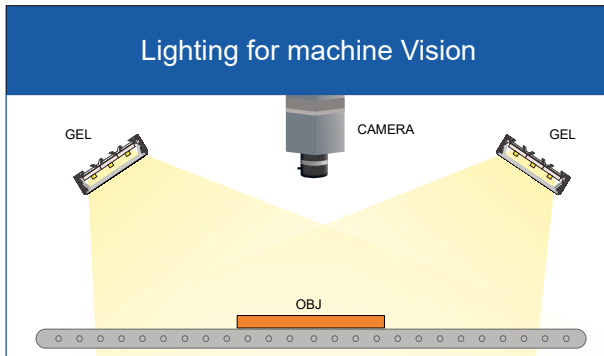
GND (Blue)
V+ (Brown)

-S / -5MS / -10MS

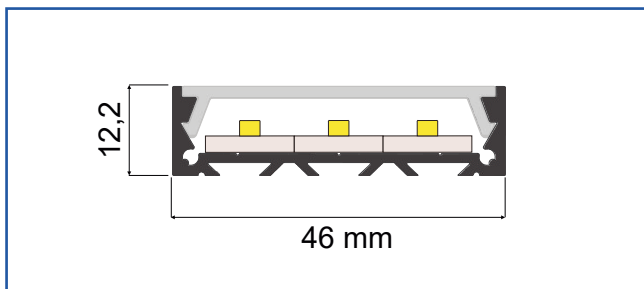


Start (Black)
GND (Blue)
V+ (Brown)

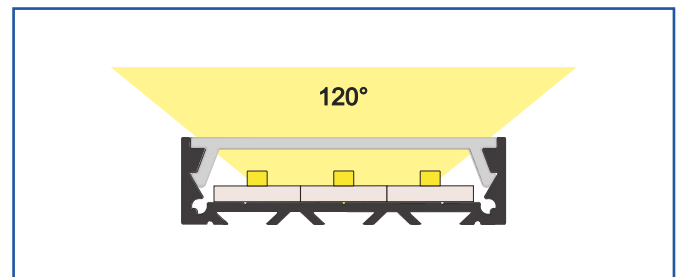
TYPICAL APPLICATIONS



MECHANICAL DRAWING

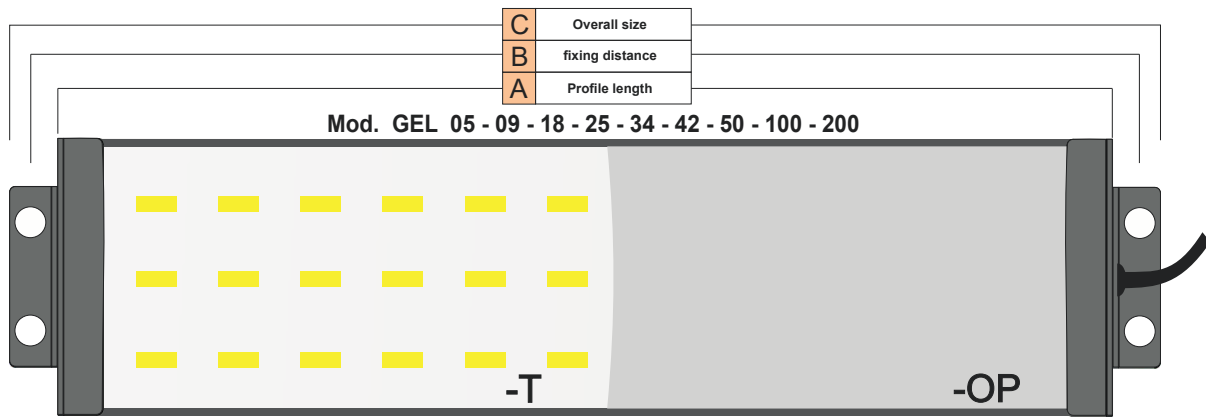


BEAM ANGLE



For 3D mechanical drawing requests - info@genesi-lux.it

BASE MODEL LENGTHS & POWERS

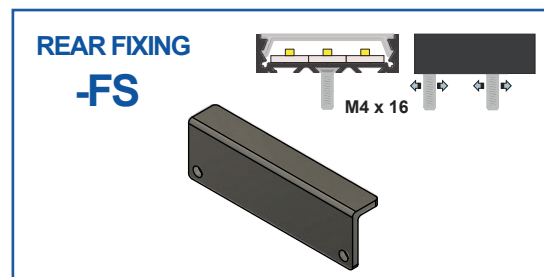
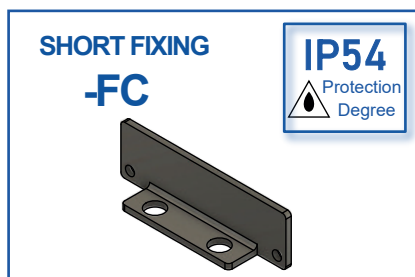
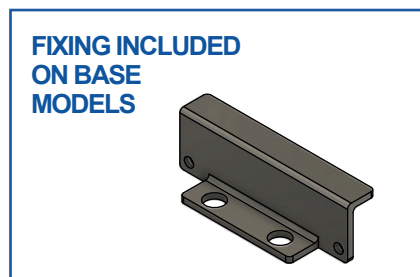


WORKING TEMPERATURE RANGE
FROM -35°C (NO FROST) TO +55°C

Mod.	A (mm)	B (mm)	C (mm)	Supply voltage	Supply current	Power consumption
GEL05	50	62	69	24/vdc +/- 10%	180 mA	4,3 W
GEL09	90	102	109		255 mA	6,0 W
GEL18	177	189	196		510 mA	12,0 W
GEL25	247	259	266		765 mA	18,0 W
GEL34	337	349	356		840 mA	20,0 W
GEL42	420	432	439		1050 mA	25,0 W
GEL50	498	510	517		1260mA	30,0 W
GEL100	1000	1012	1019		1980 mA	47,5 W
GEL200	2000	2012	2019		3960mA	95,0 W
GELXXX from 30 mm to 6000 mm						

LIGHT POWER TEST

Transparent		Opaline		Satin	
GEL50-6K-T		GEL50-6K-OP		GEL50-6K-ST	
Working Distance	Power W/m ²	Working Distance	Power W/m ²	Working Distance	Power W/m ²
20 cm	49	20 cm	32	20 cm	TBD
40 cm	18,3	40 cm	12	40 cm	TBD
100 cm	4	100 cm	2,6	100 cm	TBD



Tailor-Made

Connector	PINS	Function	Description
	1		
	2		
	3		
	4		
	5		

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NEW SOLUTION

DESIGN A NEW ONE

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SAMPLE

TEST THE PRODUCT

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DOWNLOAD

TECHNICAL SPECIFICATIONS

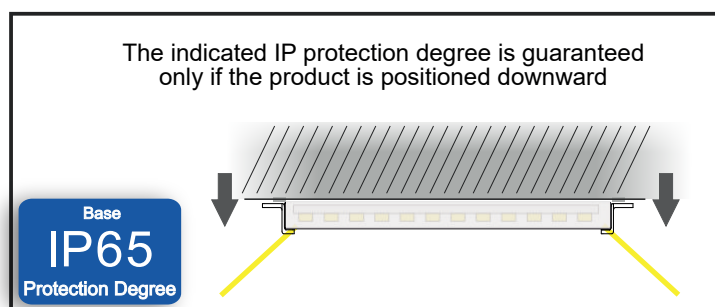
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THE PRICE LIST

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STANDARDS	
EMC immunity :	EN 61547:2009
EMC emission :	EN 55015:2013 + A1
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®

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