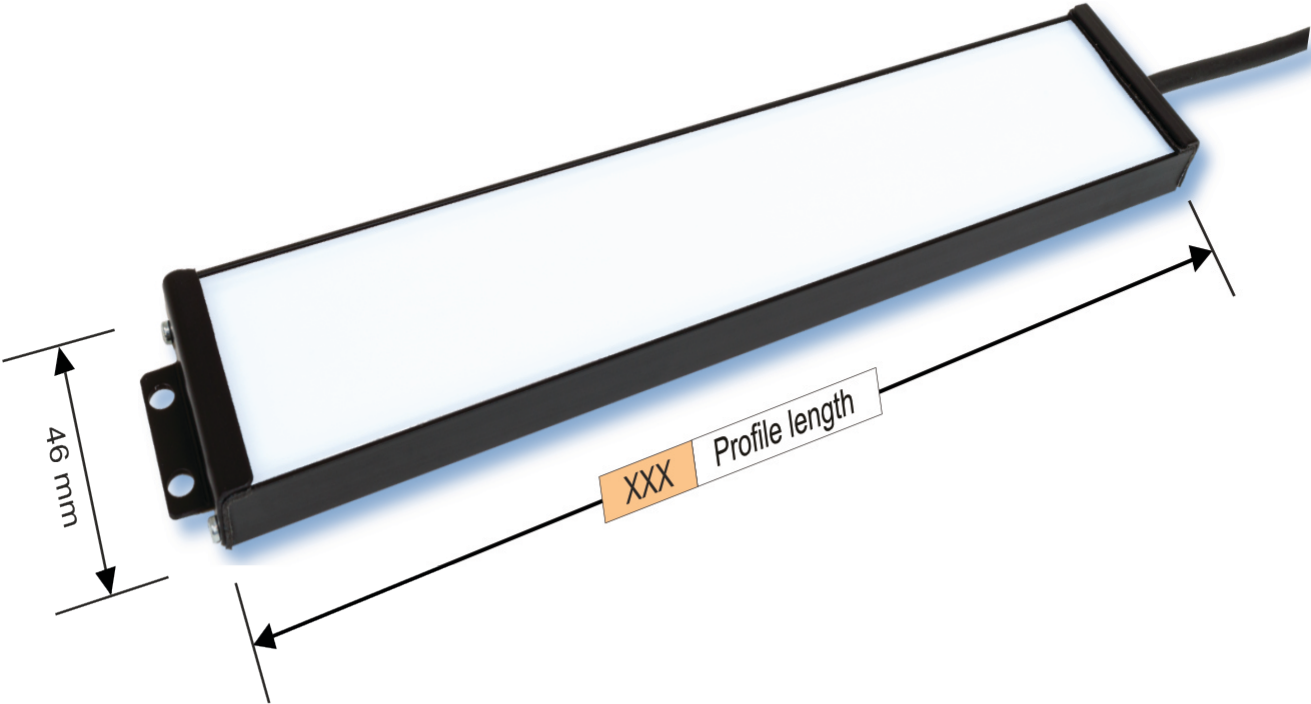




Develop
your custom
solution

Over
18
Standard
Colours

Base
IP65
Protection Degree

24
Vdc

Optional
Polarizing
Filter

Optional
IO-Link
External
controller

CE
RoHS

UK
CA

C[®]UL[®]US
E545377 Class 2

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 -6K	White 4000K -4K	UV 365nm -365	UV 385nm -385	UV 395nm -395	UV 405nm -405	Blue 450nm -450	Green 524nm -524	Red 625nm -625	Deep Red 660nm -660	IR 730nm -730	IR 850nm -850	IR 950nm -950	SWIR 1050nm -1050	SWIR 1200nm -1200	SWIR 1300nm -1300	SWIR 1450nm -1450	SWIR 1550nm -1550	SWIR 1600nm -1650

GEL Part Number

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	
-625	625 nm Red	
-660	660 nm Deep Red	Nir RISK2
-730	730 nm IR	
-850	850 nm IR	
-950	950 nm IR	
-1050	1050 nm SWIR	Swir RISK2
-1200	1200 nm SWIR	
-1300	1300 nm SWIR	
-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

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

GEL34-850-70-T-M8S

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

GEL200-470-OP

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

Design & Production
Made in Italy



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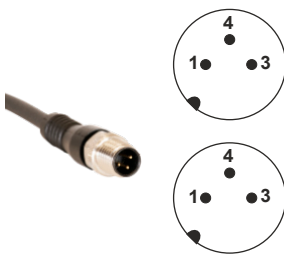


Organization with a
certified ISO 9001:2015
Quality Management System

Rev. 02/26

PIN OUT

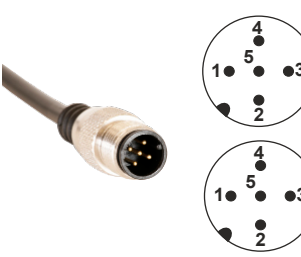
-M8 / -M8S



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

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

-M12 / -M12S



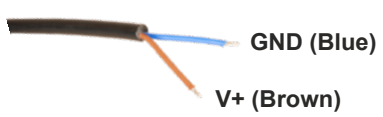
Under 4 A	
M12 - Male 5 Poles	
1	+24 V
2	NC
3	GND
4	NC
5	NC

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

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

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

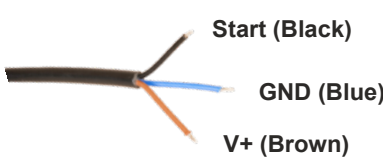
-5M / -10M



GND (Blue)

V+ (Brown)

-S / -5MS / -10MS



Start (Black)

GND (Blue)

V+ (Brown)

TYPICAL APPLICATIONS

Lighting for machine Vision

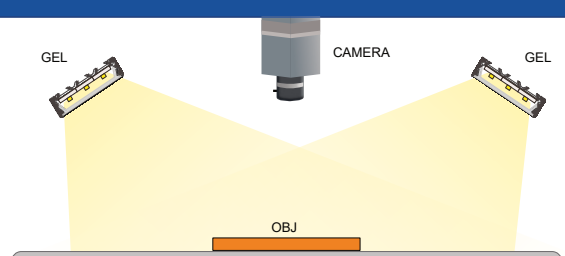


Diagram showing two GEL lights illuminating an object (OBJ) for a camera.

Lighting and signal for machinery

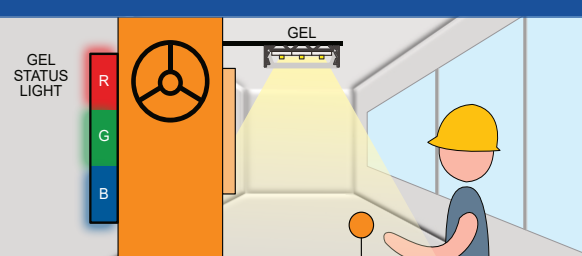
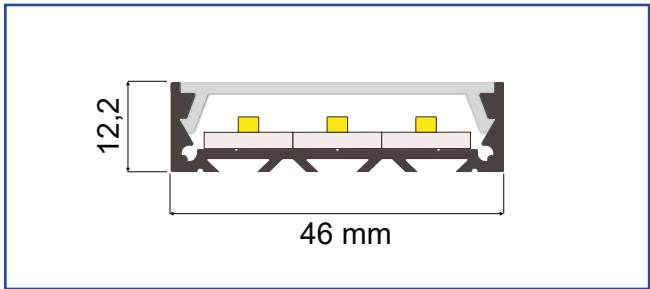
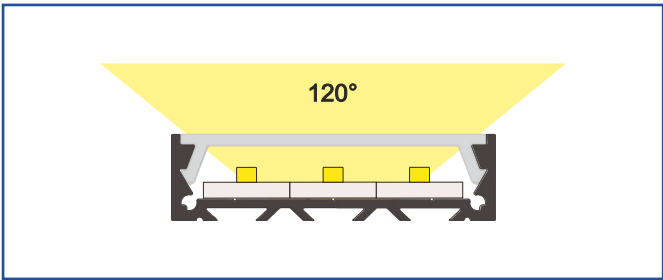


Diagram showing a GEL STATUS LIGHT (R, G, B) and a GEL light illuminating a worker in a machinery environment.

MECHANICAL DRAWING



BEAM ANGLE



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

Design & Production
Made in Italy

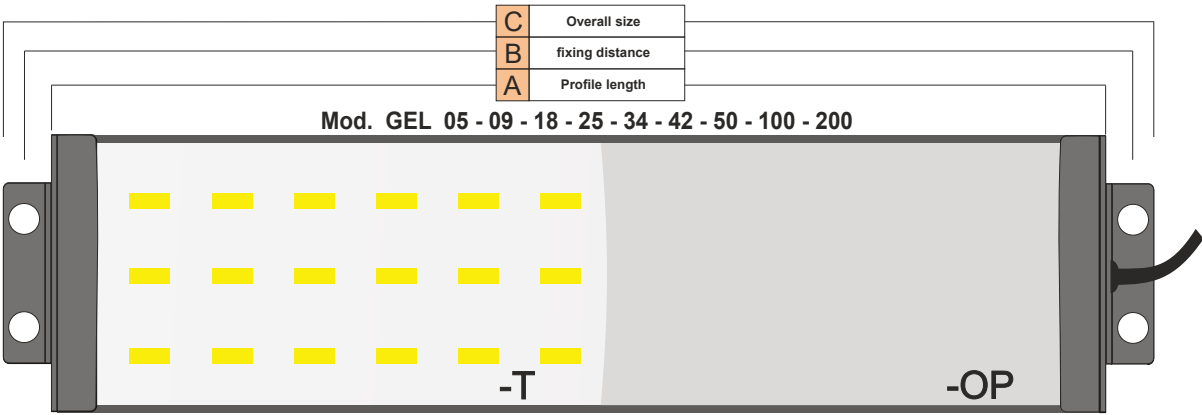


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BASE MODEL LENGTHS & POWERS



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

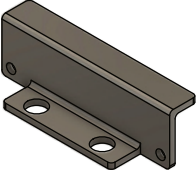
Mod.	A (mm)	B (mm)	C (mm)	Supply voltage	Supply current	Power consumption
GEL05	50	62	69	24/vdc +/- 10%	180 mA	4,3 W
GEL09	90	102	109		255 mA	6,0 W
GEL18	177	189	196		510 mA	12,0 W
GEL25	247	259	266		765 mA	18,0 W
GEL34	337	349	356		840 mA	20,0 W
GEL42	420	432	439		1050 mA	25,0 W
GEL50	498	510	517		1260mA	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/m²	Working Distance	Power W/m²	Working Distance	Power W/m²
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

FIXING

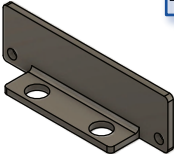
FIXING INCLUDED
ON BASE
MODELS



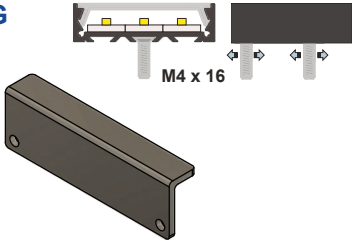
SHORT FIXING
-FC

IP54

Protection
Degree



REAR FIXING
-FS



GEL FIX 3D

Countersink 1x90°

Ø4.5

62.4

Ø4.5

7.5

5

Scale: 1:2

Total height

17



In -BASE and -FC applications longer than 1 meter, fixing plinth will be supplied.
Further ones will be equipped for each meter added.

ACCESSORIES

CODE	DESCRIPTION
GEL-FIX-3D	GEL fixing plinth for BASE and -FC applications, black ASA 3D printed

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



SAMPLE

TEST THE PRODUCT
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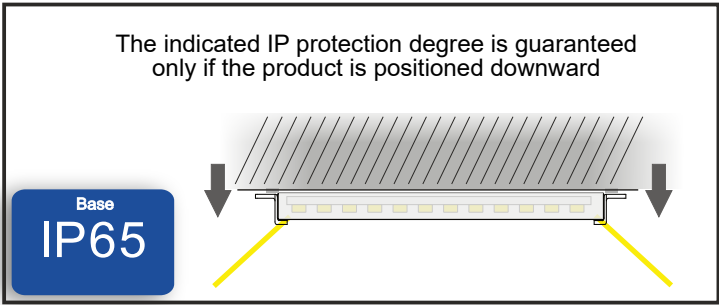
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TECHNICAL SPECIFICATIONS
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THE PRICE LIST
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STANDARDS		
EMC immunity :	EN 61547:2009	
EMC emission :	EN 55015:2019	
Photobiologic risk :	EN 62471:2008 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
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