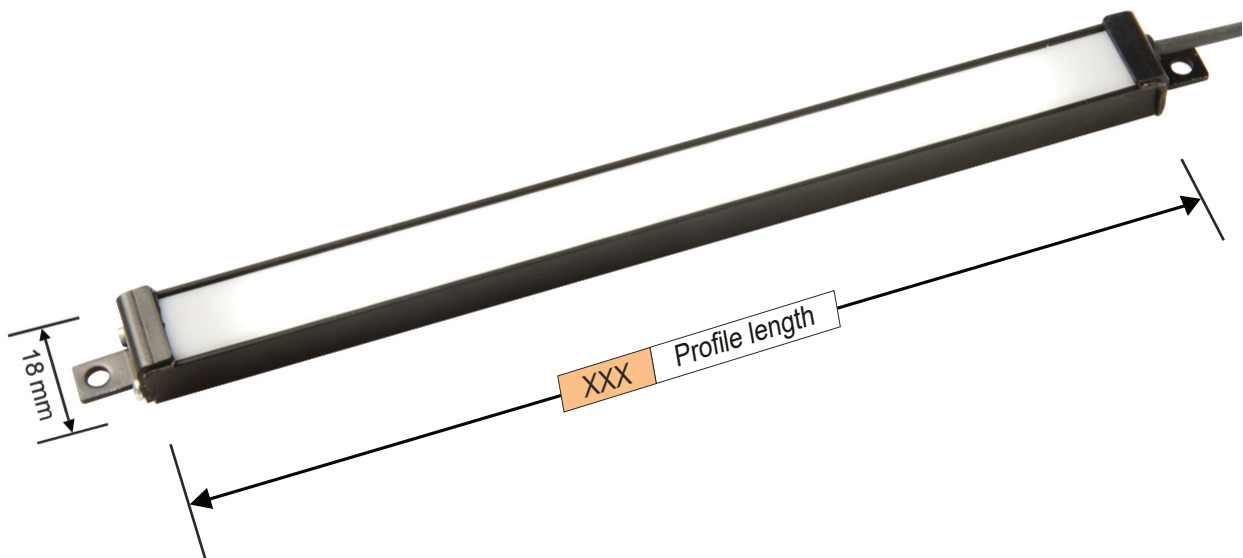




Develop your custom solution

Over 18 Standard Colours

Base IP65 Protection Degree

24 Vdc

Optional Polarizing Filter

Optional IO-Link External controller

CE RoHS

UK CA

CULUS E545377 Class 2

Illuminator Features :

- Project achieved by internal resources and Genesi skills;
- Model with transparent,satin,opaline and semi-opaline black 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

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

XXX	Base Lengths
GEIL03	3 cm
GEIL05	5 cm
GEIL10	10 cm
GEIL20	20 cm
GEIL28	28 cm
GEIL34	34 cm
GEIL42	42 cm
GEIL50	50 cm
GEIL100	100 cm
GEIL200	200 cm
GEILXXX	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
-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
-OPB	Semi-opaline black 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

Not all combinations are available

Part Number Examples:

GEIL20-6K-OP

Bar light 20cm White 6000K Opaline cover 600Lm 170mA 4,0W 2Mt cable 2 Wires

GEIL43-625-T-M8

Bar light 43cm Red 625nm Transparent cover GE442A-625-40 425mA 10W 20cm cable M8 3P M

GEIL100-RGB-OP-M12

Bar light 100cm RGB Opaline cover GE440-20mA 1,440 A 34W 20cm cable M12 5 P M

Design & Production
Made in Italy



Genesi LUX®

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

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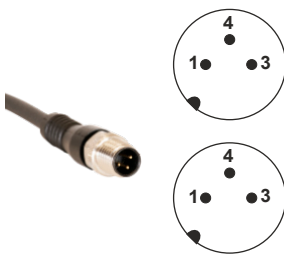


Organization with a
certified ISO 9001:2015
Quality Management System

Rev. 01/25

PIN OUT

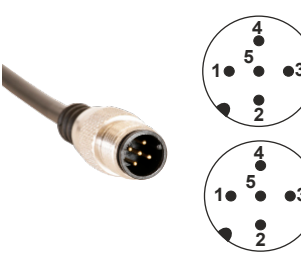
-M8 / -M8S



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

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

-M12 / -M12S



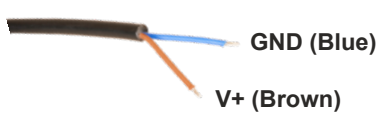
Under 4 A	
M12 - Male 5 Poles	
1	+24 V
2	NC
3	GND
4	NC
5	NC

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

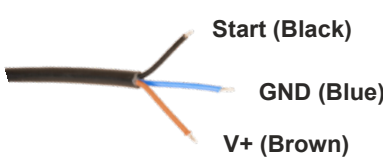
-5M / -10M



GND (Blue)

V+ (Brown)

-S / -5MS / -10MS

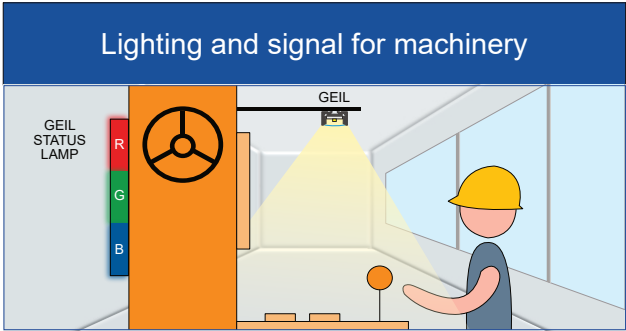
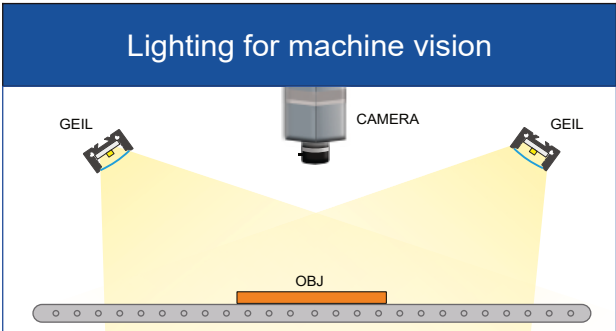


Start (Black)

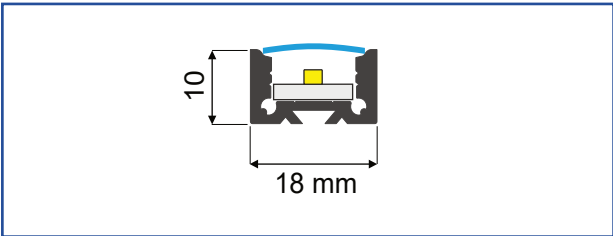
GND (Blue)

V+ (Brown)

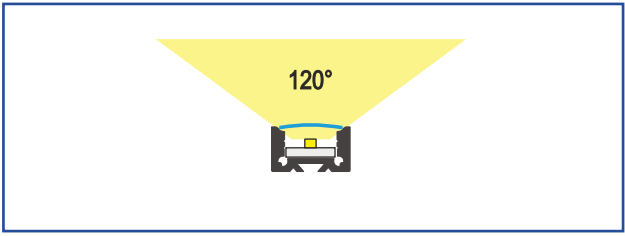
TYPICAL APPLICATIONS



MECHANICAL DRAWING

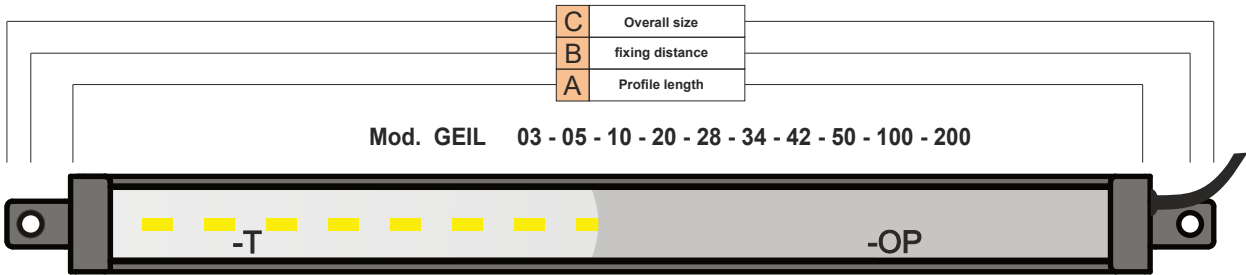


BEAM ANGLE



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
GEIL03	30	48	57	24/vdc +/- 10%	70 mA	1,6 W
GEIL05	50	68	77		85 mA	2,0 W
GEIL10	100	118	127		85 mA	2,0 W
GEIL20	200	218	227		170 mA	4,0 W
GEIL28	280	298	307		250 mA	6,0 W
GEIL34	340	358	367		340 mA	8,1W
GEIL42	420	438	447		425 mA	10,2 W
GEIL50	500	518	527		500 mA	12,0 W
GEIL100	1000	1018	1027		1000 mA	24,0 W
GEIL200	2000	2018	2027		2000 mA	48,0 W
GEILXXX from 30 to 6000 mm						

LIGHT POWER TEST

Transparent



GEIL50-6K-T	
Working Distance	Power W/m²
20 cm	21.6
40 cm	8
100 cm	1.8

Opaline



GEIL50-6K-OP	
Working Distance	Power W/m²
20 cm	11.5
40 cm	4.4
100 cm	1.1

Satin



GEIL50-6K-ST	
Working Distance	Power W/m²
20 cm	17
40 cm	6.7
100 cm	1.6

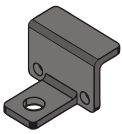
Black Opaline



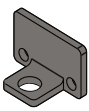
GEIL50-6K-OPB	
Working Distance	Power W/m²
20 cm	5.6
40 cm	2.3
100 cm	0.7

FIXING

INTEGRATED FIXING
ON BASE
MODELS



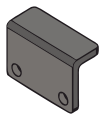
SHORT FIXING
-FC

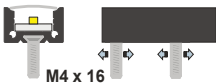


IP54

Protection Degree

REAR FIXING
-FS





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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DOWNLOAD

TECHNICAL SPECIFICATIONS

www.genesi-elettronica.com

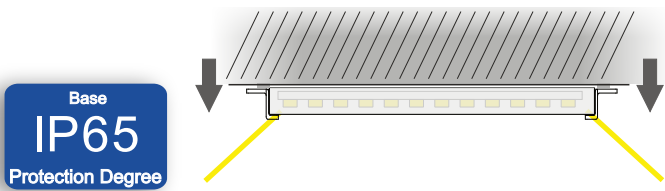


REQUEST

THE PRICE LIST

info@genesi-lux.it

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



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

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Organization with a
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Rev. 01/25