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,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	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 : GEILDXXX -YYY -CCC -WW1 -WW2 -WW3

XXX	Base Lengths
GEILD03	3 cm
GEILD05	5 cm
GEILD10	10 cm
GEILD20	20 cm
GEILD28	28 cm
GEILD34	34 cm
GEILD42	42 cm
GEILD50	50 cm
GEILD100	100 cm
GEILD200	200 cm
GEILDXXX	from 3 cm to 600 cm on demand

Up to 2 different colours in a single light

-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		
-730	730 nm IR	Nir	RISK2
-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:

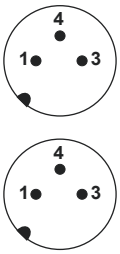
GEILD20-6K-OP
Led bar 20cm White 6000K Opaline cover 1200Lm 340mA 8W 2Mt cable 2 Wires

GEILD50-850-T-M12S
Led bar 50cm IR 850nm Transparent cover 840mA 20W 20cm cable M12 5P M + logic start

GEILD100-6K-ST-M8S
Led bar 100cm White 6000K Satin PMMA cover 7200Lm 2000mA 48W 20cm cable M8 3P M + logic start

PIN OUT

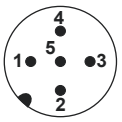
-M8 / -M8S



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

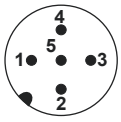
M8S - Male 3 Poles	
1	+24 V
3	GND
4	Start

-M12 / -M12S



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

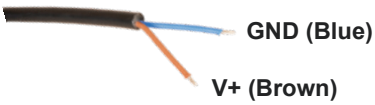
Over 4 A M12 - Male 5 Poles	
1	+24 V
2	+24 V
3	GND
4	NC
5	GND



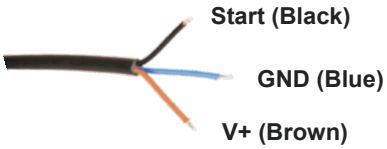
Under 4 A M12S - Male 5 Poles	
1	+24 V
2	NC
3	GND
4	Start PNP
5	NC

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

-5M / -10M

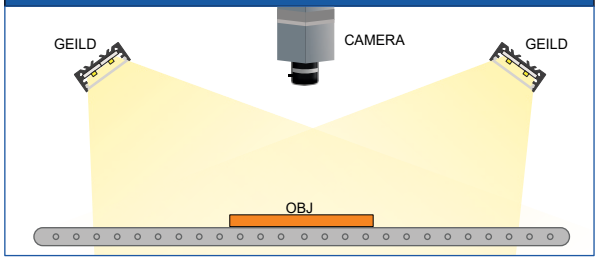


-S / -5MS / -10MS

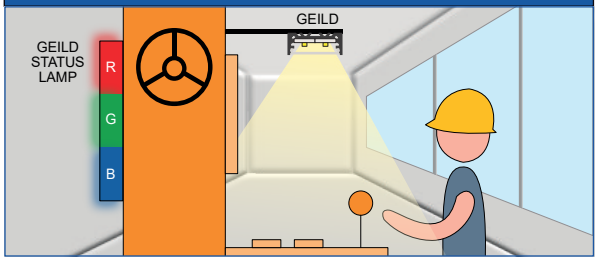


TYPICAL APPLICATIONS

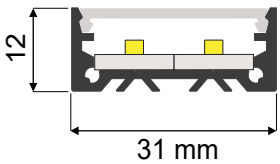
Lighting for machine Vision



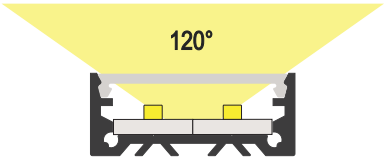
Lighting and signal for machinery



MECHANICAL DRAWING

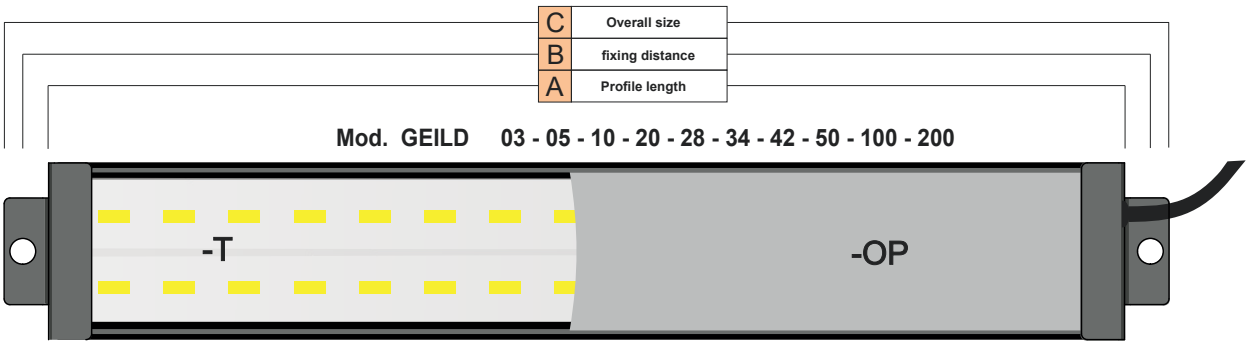


BEAM ANGLE



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
GEILD03	30	44	50,5	24/vdc +/- 10%	140 mA	3,2 W
GEILD05	50	64	70,5		170 mA	4,0 W
GEILD10	100	114	120,5		170 mA	4,0 W
GEILD20	200	214	220,5		370 mA	8,0 W
GEILD28	280	294	300,5		500 mA	12,0 W
GEILD34	340	354	360,5		680 mA	16,3 W
GEILD42	420	434	440,5		850 mA	20,4 W
GEILD50	500	514	520,5		1000 mA	24,0 W
GEILD100	1000	1014	1020,5		2000 mA	48,0 W
GEILD200	2000	2014	2020,5		4000 mA	96,0 W
GEILDXXX from 30 mm to 6000 mm						

LIGHT POWER TEST

Transparent

GEILD50-6K-T	
Working Distance	Power W/m²
20 cm	40,5
40 cm	15
100 cm	3,2

Opaline

GEILD50-6K-OP	
Working Distance	Power W/m²
20 cm	23
40 cm	8,5
100 cm	2

Satin

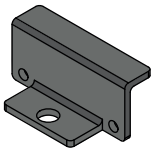
GEILD50-6K-ST	
Working Distance	Power W/m²
20 cm	29
40 cm	11,3
100 cm	2,5

Black Opaline

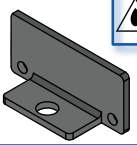
GEILD50-6K-OPB	
Working Distance	Power W/m²
20 cm	8,5
40 cm	3,4
100 cm	0,9

FIXING

FIXING INCLUDED ON BASE MODELS

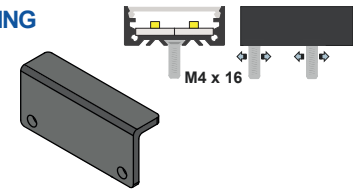


SHORT FIXING -FC



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

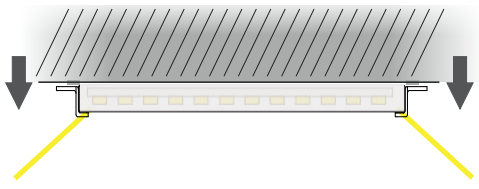
NEW SOLUTION
DESIGN A NEW ONE
info@genesi-lux.it

SAMPLE
TEST THE PRODUCT
info@genesi-lux.it

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 55015:2013 + 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.

CE