



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

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 : **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	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:

GEILD20-6K-OP

Bar light 20cm White 6000K Opaline cover 1200Lm 340mA 8W 2Mt cable 2 Wires

GEILD50-850-T-M12S

Bar light 50cm IR 850nm Transparent cover 840mA 20W 20cm cable M12 5P M + logic start

GEILD100-6K-ST-M8S

Bar light 100cm White 6000K Satin PMMA cover 7200Lm 2000mA 48W 20cm cable M8 3P M + logic start

Design & Production
Made in Italy



Genesi LUX®

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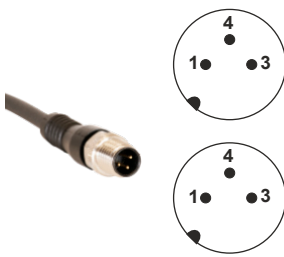


Organization with a
certified ISO 9001:2015
Quality Management System

Rev. 01/25

PIN OUT

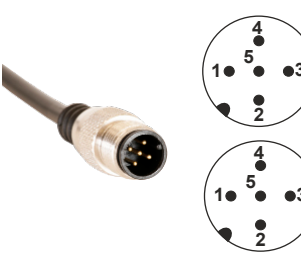
-M8 / -M8S



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

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

-M12 / -M12S



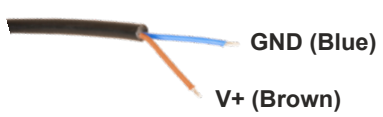
Under 4 A	
M12 - Male 5 Poles	
1	+24 V
2	NC
3	GND
4	NC
5	NC

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

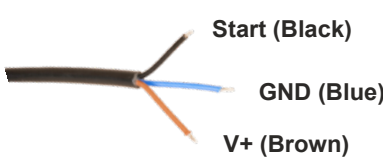
-5M / -10M



GND (Blue)

V+ (Brown)

-S / -5MS / -10MS



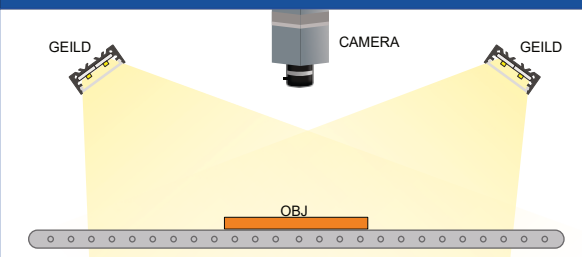
Start (Black)

GND (Blue)

V+ (Brown)

TYPICAL APPLICATIONS

Lighting for machine Vision



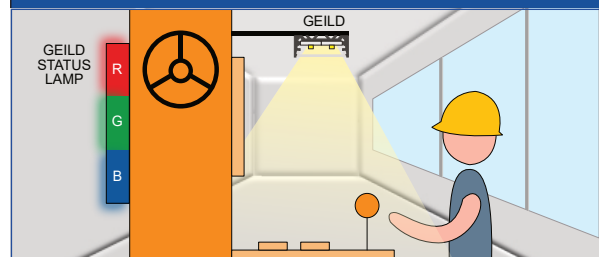
GEILD

CAMERA

GEILD

OBJ

Lighting and signal for machinery



GEILD STATUS LAMP

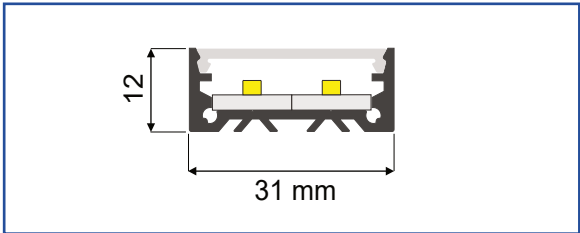
R

G

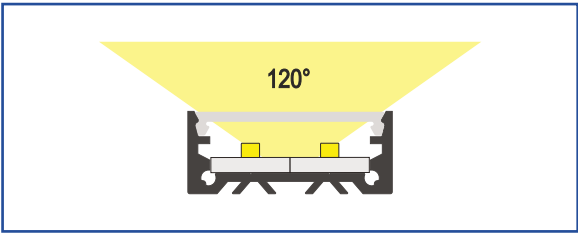
B

GEILD

MECHANICAL DRAWING

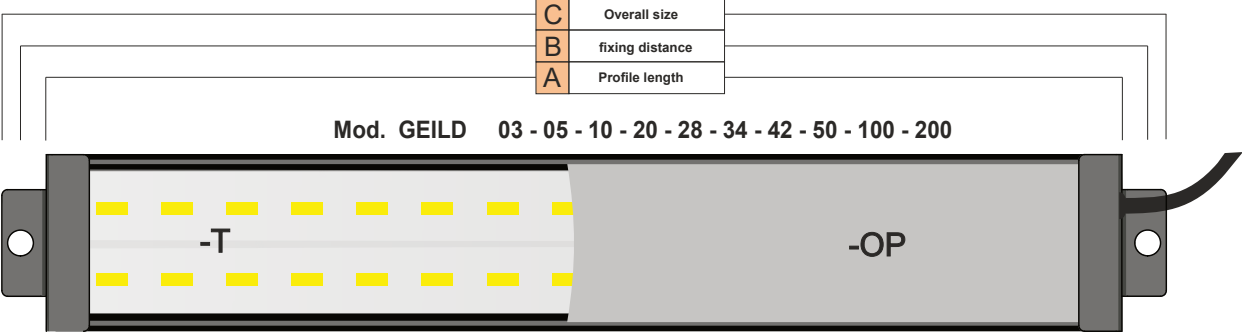


BEAM ANGLE



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

BASE MODEL LENGTHS & POWERS



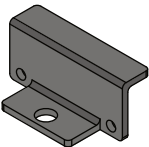
WORKING TEMPERATURE RANGE FROM - 35°C (NO FROST) TO + 55°C						
Mod.	A (mm)	B (mm)	C (mm)	Supply voltage	Supply current	Power consumption
GEILD03	30	44	50,5	24/vdc +/- 10%	140 mA	3,2 W
GEILD05	50	64	70,5		170 mA	4,0 W
GEILD10	100	114	120,5		170 mA	4,0 W
GEILD20	200	214	220,5		370 mA	8,0 W
GEILD28	280	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

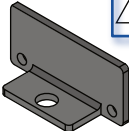
Transparent		Opaline		Satin		Black Opaline	
GEILD50-6K-T		GEILD50-6K-OP		GEILD50-6K-ST		GEILD50-6K-OPB	
Working Distance	Power W/m²	Working Distance	Power W/m²	Working Distance	Power W/m²	Working Distance	Power W/m²
20 cm	40,5	20 cm	23	20 cm	29	20 cm	8,5
40 cm	15	40 cm	8,5	40 cm	11,3	40 cm	3,4
100 cm	3,2	100 cm	2	100 cm	2,5	100 cm	0,9

FIXING

FIXING INCLUDED
ON BASE
MODELS

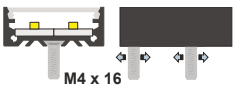
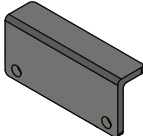


SHORT FIXING
-FC



IP54
Protection
Degree

REAR FIXING
-FS



Tailor-Made

Connector	PINS	Function	Description
	1		
	2		
	3		
	4		
	5		

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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

www.genesi-elettronica.com



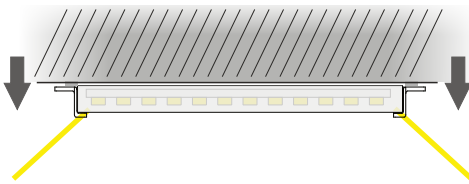
REQUEST

THE PRICE LIST

info@genesi-lux.it

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

Base
IP65
Protection Degree



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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