



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

CALUS 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 |

# GEILD Part Number

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 |

| -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 |
| -RGBYW | RGBYW                 |               |
| -450   | 450 nm Royal Blue     | Visible RISK1 |
| -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<br>Semi-continuous use |
| -300  | 300 mA per led<br>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<br>+ Transparent cover |
| -OPP | Polarizing filter<br>+ 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<br>+ logic start  |
| -M12S | 20 cm cable + M12 5P M<br>+ logic start |
| -5M   | 5 Mt 2P cable                           |
| -5MS  | 5 Mt 3P cable + logic start             |
| -WW3  | Supply connection on demand             |

Up to 2 different colours in a single light

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®**

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

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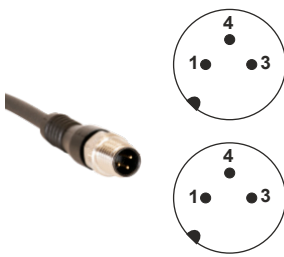


Organization with a  
certified ISO 9001:2015  
Quality Management System

Rev. 02/26

# PIN OUT

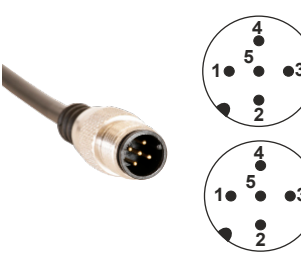
### -M8 / -M8S



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

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

### -M12 / -M12S



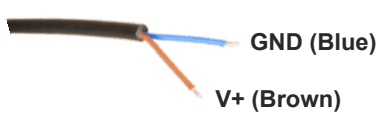
| Under 4 A          |       |
|--------------------|-------|
| M12 - Male 5 Poles |       |
| 1                  | +24 V |
| 2                  | NC    |
| 3                  | GND   |
| 4                  | NC    |
| 5                  | NC    |

| 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       |

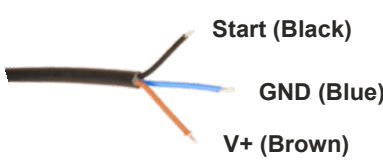
### -5M / -10M



GND (Blue)

V+ (Brown)

### -S / -5MS / -10MS



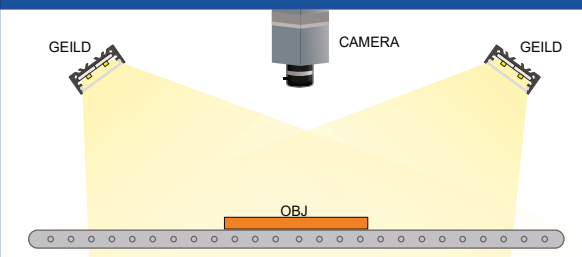
Start (Black)

GND (Blue)

V+ (Brown)

# TYPICAL APPLICATIONS

### Lighting for machine Vision



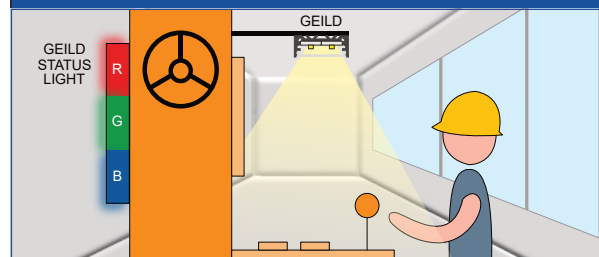
GEILD

CAMERA

GEILD

OBJ

### Lighting and signal for machinery



GEILD STATUS LIGHT

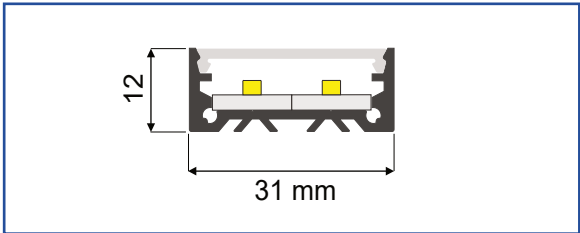
R

G

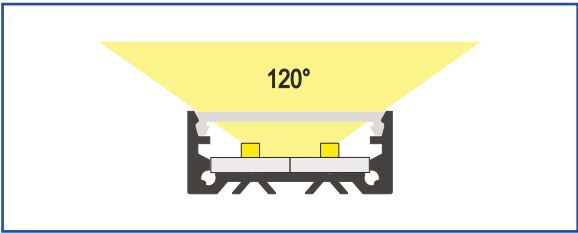
B

GEILD

## MECHANICAL DRAWING

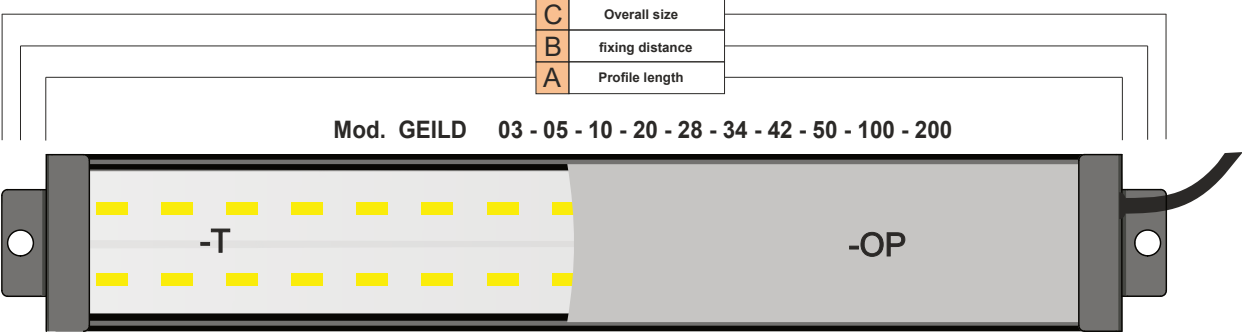


## BEAM ANGLE



For 3D mechanical drawing requests - [info@genesi-lux.it](mailto:info@genesi-lux.it)

# BASE MODEL LENGTHS & POWERS



| WORKING TEMPERATURE RANGE<br>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

GEILD FIX 3D

Countersink 1x90°

Ø4.5

47.2

5

7.5

Ø4.5

Total height

16.85

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                                                                   |
|--------------|-------------------------------------------------------------------------------|
| GEILD-FIX-3D | GEILD / IMB fixing plinth for BASE and -FC applications, black ASA 3D printed |

Tailor-Made

| Connector | PINS | Function | Description |
|-----------|------|----------|-------------|
|           | 1    |          |             |
|           | 2    |          |             |
|           | 3    |          |             |
|           | 4    |          |             |
|           | 5    |          |             |

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SAMPLE

TEST THE PRODUCT

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TECHNICAL SPECIFICATIONS

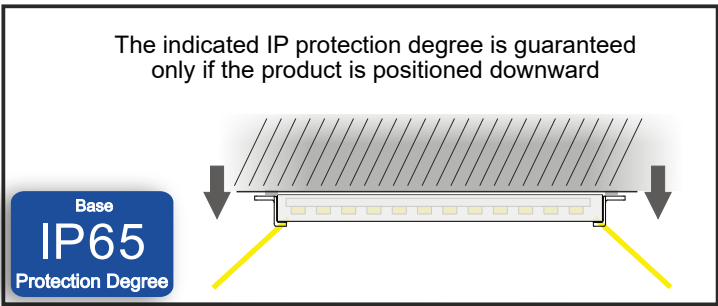
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REQUEST

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.



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Made in Italy



GENESI

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