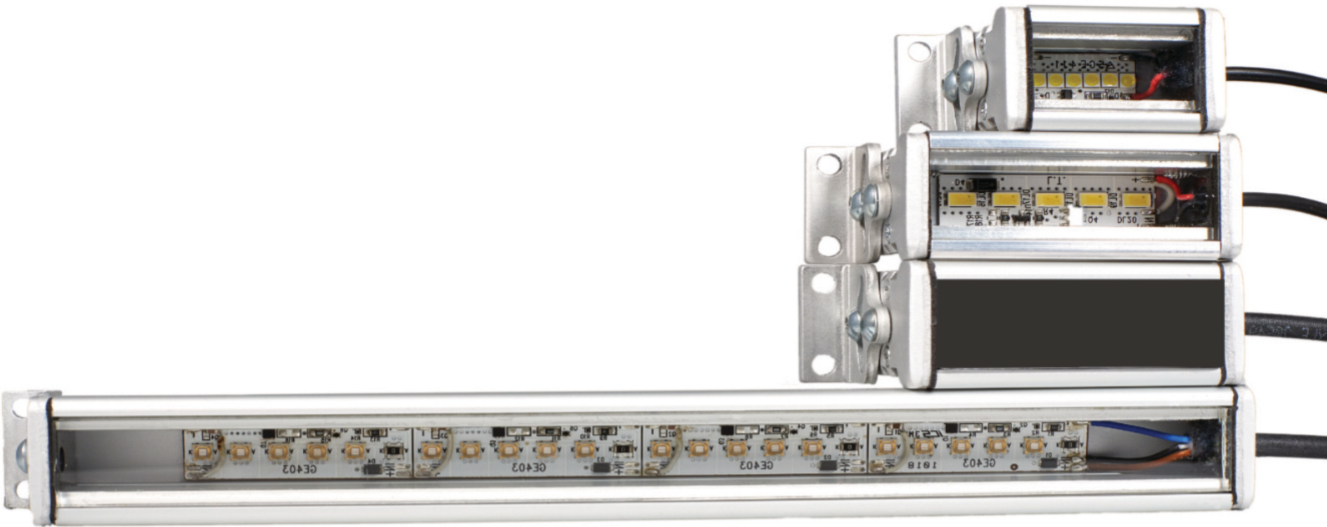




Develop your custom solution

18 Standard Colours

Base  
IP65  
Protection Degree

Variant  
IP67  
Protection Degree

Optional Polarizing Filter

24 Vdc

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 ,opaline cover and pyrex glass

| COLOUR     | WHITE       |             | UV-A     |          |          |          | VISIBLE    |             |           |                | NIR      |          |          | SWIR        |             |             |             |             |
|------------|-------------|-------------|----------|----------|----------|----------|------------|-------------|-----------|----------------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|
| Led Colour | White 6000K | White 4000K | UV 365nm | UV 385nm | UV 395nm | UV 405nm | Blue 450nm | Green 524nm | 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     | -450       | -524        | -625      | -660           | -730     | -850     | -950     | -1050       | -1200       | -1300       | -1450       | -1550       |

Ex. Code : **GEMHRXXX** **-YYY** **-CCC** **-WW1** **-WW3**

| XXX      | Base Lengths                  |
|----------|-------------------------------|
| GEMHR03  | 3 cm                          |
| GEMHR05  | 5 cm                          |
| GEMHR09  | 9 cm                          |
| GEMHR18  | 18 cm                         |
| GEMHR25  | 25 cm                         |
| GEMHR34  | 34 cm                         |
| GEMHR42  | 42 cm                         |
| GEMHR50  | 50 cm                         |
| GEMHR100 | 100 cm                        |
| GEMHR200 | 200 cm                        |
| GEMHRXXX | from 3 cm to 200 cm on demand |

| -YYY  | Led Colours           |         |
|-------|-----------------------|---------|
| -6K   | Base 6000K Cold White | White   |
| -4K   | 4000K Natural White   |         |
| -365  | UV 365 nm             | UV - A  |
| -385  | UV 385 nm             |         |
| -395  | UV 395 nm             |         |
| -405  | UV 405 nm             |         |
| -RGB  | RGB                   | Visible |
| -450  | 450 nm Royal Blue     |         |
| -524  | 524 nm Green          |         |
| -625  | 625 nm Red            |         |
| -660  | 660 nm Deep Red       | Nir     |
| -730  | 730 nm IR             |         |
| -850  | 850 nm IR             |         |
| -950  | 950 nm IR             |         |
| -1050 | 1050 nm SWIR          | Swir    |
| -1200 | 1200 nm SWIR          |         |
| -1300 | 1300 nm SWIR          |         |
| -1450 | 1450 nm SWIR          |         |
| -1550 | 1550 nm SWIR          |         |
| -YYY  | Colour on demand      |         |

| -CCC  | Powers                         |
|-------|--------------------------------|
|       | Base 120 mA per led up to 200  |
| -20   | 20 mA per led                  |
| -40   | 40 mA per led                  |
| -70   | 70 mA per led                  |
| -85   | 85 mA per led                  |
| -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                    |
| -OPC  | Collimating filter + Opaline cover    |
| -V    | Pyrex glass 5 mm                      |
| -TP   | Polarizing filter + Transparent cover |
| -OPP  | Polarizing filter + Opaline cover     |
| -IP67 | IP67 protection degree                |
| -WW1  | Cover on demand                       |

| -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:

**GEMHR25-6K-OP**

Bar light 25cm White 6000K Opaline cover 1230Lm 340mA 8,2W 2 Mt cable 2 Wires

**GEMHR50-365-250-T**

Bar light 50cm UV365nm Transparent cover GE472 18 led 45° CUN66B 750mA 18W 2Mt cable 2 Wires

**GEMHR180-4K-RA10-T**

Bar light 180cm White 4000K Transparent cover 9450Lm 2,66 A 64W analog regulation 0-10V 2Mt cable 3 Wires

Design & Production  
Made in Italy



**Genesi LUX®**

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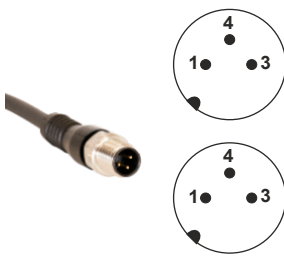


Organization with a  
certified ISO 9001:2015  
Quality Management System

Rev. 01/25

# PIN OUT

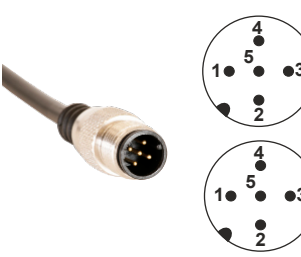
### -M8 / -M8S



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

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

### -M12 / -M12S



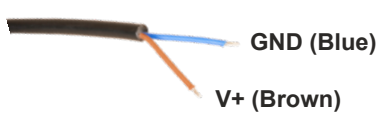
| Under 4 A          |       |
|--------------------|-------|
| M12 - Male 5 Poles |       |
| 1                  | +24 V |
| 2                  | NC    |
| 3                  | GND   |
| 4                  | NC    |
| 5                  | NC    |

| 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       |

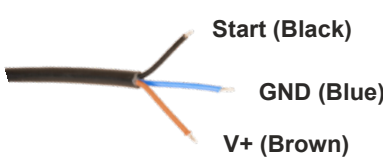
### -5M / -10M



GND (Blue)

V+ (Brown)

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

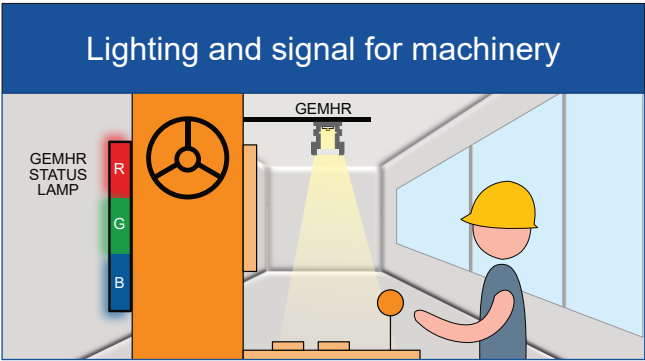
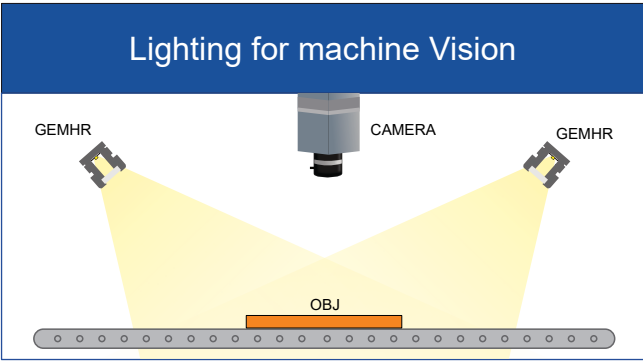


Start (Black)

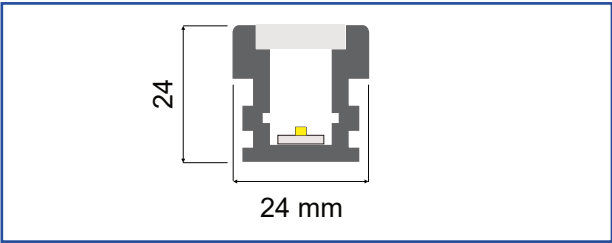
GND (Blue)

V+ (Brown)

# TYPICAL APPLICATIONS



## MECHANICAL DRAWING



## FIXING



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

# BEAM ANGLES AND COVERS

- T

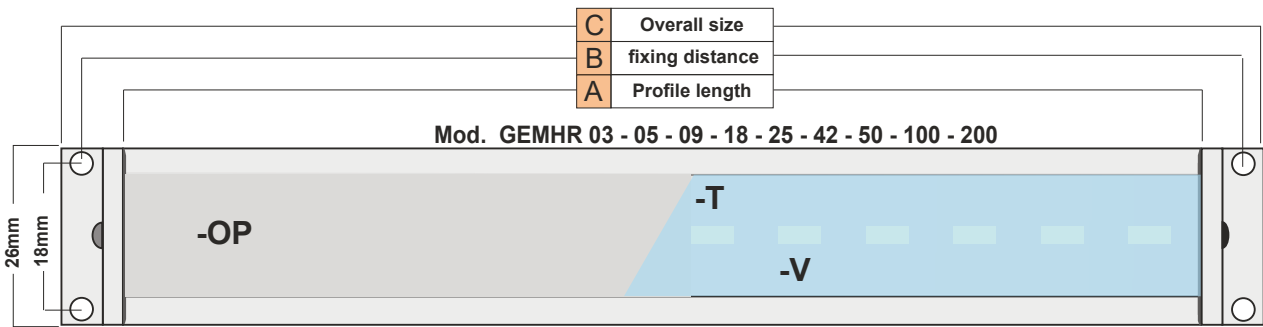
- OP

- V

- IP67

Protective cap for IP67

# 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 |
|--------------------------------|----------|----------|----------|----------------|----------------|-------------------|
| GEMHR03                        | 30       | 53       | 62       | 24/vdc +/- 10% | 70mA           | 1,6 W             |
| GEMHR05                        | 50       | 73       | 82       |                | 85mA           | 2,0 W             |
| GEMHR09                        | 90       | 113      | 122      |                | 120mA          | 2,9 W             |
| GEMHR18                        | 177      | 200      | 209      |                | 230mA          | 5,4 W             |
| GEMHR25                        | 247      | 270      | 279      |                | 340mA          | 8,2 W             |
| GEMHR34                        | 340      | 363      | 372      |                | 450mA          | 10,8 W            |
| GEMHR42                        | 420      | 443      | 452      |                | 570mA          | 13,7 W            |
| GEMHR50                        | 498      | 521      | 530      |                | 680mA          | 16,4 W            |
| GEMHR100                       | 1000     | 1023     | 1032     |                | 1360mA         | 32,8 W            |
| GEMHR200                       | 2000     | 2023     | 2032     |                | 2720mA         | 65,6 W            |
| GEMHRXXX from 30 mm to 2000 mm |          |          |          |                |                |                   |

# LIGHT POWER TEST

| GEMHR50-6K-T     |            |
|------------------|------------|
| Working Distance | Power W/m² |
| 20 cm            | TBD        |
| 40 cm            | TBD        |
| 100 cm           | TBD        |

| GEMHR50-6K-OP    |            |
|------------------|------------|
| Working Distance | Power W/m² |
| 20 cm            | TBD        |
| 40 cm            | TBD        |
| 100 cm           | TBD        |

| GEMHR50-6K-V     |            |
|------------------|------------|
| Working Distance | Power W/m² |
| 20 cm            | TBD        |
| 40 cm            | TBD        |
| 100 cm           | TBD        |

## 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](mailto:info@genesi-lux.it)



### SAMPLE

TEST THE PRODUCT

[info@genesi-lux.it](mailto:info@genesi-lux.it)



### DOWNLOAD

TECHNICAL SPECIFICATIONS

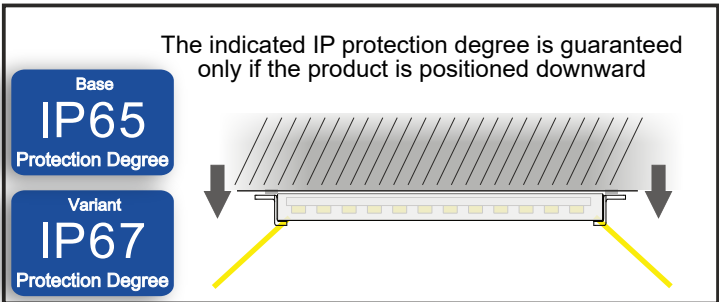
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### REQUEST

THE PRICE LIST

[info@genesi-lux.it](mailto:info@genesi-lux.it)



| 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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