

| | | | | |
|------------------------------|----------------------------|-----------------------------|--------------------------------|--------------------------------|
| Develop your custom solution | Over 18 Standard Colours | Base IP54 Protection Degree | Variant IP65 Protection Degree | Variant IP67 Protection Degree |
| 24 Vdc | Optional Polarizing Filter | CE RoHS | UK CA | FC |

Illuminator Features :

- Project achieved by internal resources and Genesi skills;
- Designed for machine vision applications with linear or matrix cameras;
- Model with 5°, 20°, 40° lenses or transparent covers;
- Model -ML designed with interchangeable lens position to achieve 4° to 45° light beam;
- Availability of several versions ranging from 3 cm to 600 cm, all with passive cooling;

| 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 | SWIR 1650nm |
| | -6K | -4K | -365 | -385 | -395 | -405 | -450 | -524 | -625 | -660 | -730 | -850 | -950 | -1050 | -1200 | -1300 | -1450 | -1550 | -1650 |



Genesi LUX®

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 ©All Rights Reserved GENESI ELETTRONICA - GEVX POWER BAR



Organization with a certified ISO 9001:2015 Quality Management System

Rev. 01/26

GEVX Part Number

Ex. Code : **GEVXXXX** -**YYY** -**CCC** -**WW1** -**WW2**

| XXX | Base Lengths |
|---------|-------------------------------|
| GEVX06 | 6 cm |
| GEVX10 | 10 cm |
| GEVX16 | 16 cm |
| GEVX20 | 20 cm |
| GEVX28 | 28 cm |
| GEVX34 | 34 cm |
| GEVX42 | 42 cm |
| GEVX50 | 50 cm |
| GEVX100 | 100 cm |
| GEVX200 | 200 cm |
| GEVXXXX | 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 | |
| -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 | Swir RISK2 |
| -1050 | 1050 nm SWIR | |
| -1200 | 1200 nm SWIR | |
| -1300 | 1300 nm SWIR | |
| -1450 | 1450 nm SWIR | |
| -1550 | 1550 nm SWIR | Colour on demand |
| -1650 | 1650 nm SWIR | |
| -YYY | Colour on demand | |

| -CCC | Powers |
|------|-----------------------------|
| UD | 70 mA per led ULTRA DENSITY |
| HD | 85 mA per led HIGH DENSITY |
| XD | 300 mA per led POWER LED |
| YD | 2A per LED ONLY STROBE USE |
| -CCC | Current on demand |

| -WW1 | Cover variants |
|------|---|
| | Base 5° Lens cover |
| -T65 | transparent cover - IP65 |
| -T67 | transparent cover - IP67 UP TO 1 METER |
| -ML | 12° ML 4°- 45° + transparent cover |
| -L20 | 20° lens + transparent cover |
| -L40 | 40° lens + transparent cover |
| -TP | lens + Transparent cover + Polarizing filter - IP65 |
| -TNP | Transparent cover without lens + Polarizing filter - IP65 |
| -TN | Transparent cover without lens + 3M - IP65 |

| -WW2 | 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 |
| -WW2 | Supply connection on demand |

Up to 2 different colours in a single light

Not all combinations are available

Part Number Examples:

GEVX20-6K-UD

Power bar 20cm White 6000K 5° Lens cover -UD CS GE411 70mA per led 2000Lm 560mA 13,4W 2Mt cable 2 Wires

GEVX30-365-T65-M12S

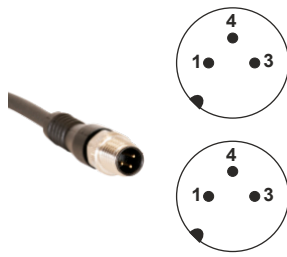
Power bar 30cm UV365 nm 5° Lens cover CS GE403 160mA per led 1,12A 27W IP65 20cm cable M12 5P M + Logic start

GEVX240-625-UD

Power bar 240cm Red 625nm 5° Lens cover -UD CS GE411 70mA per led 8,26A198 W continuous use 2Mt 2 cables 2 Wires

PIN OUT

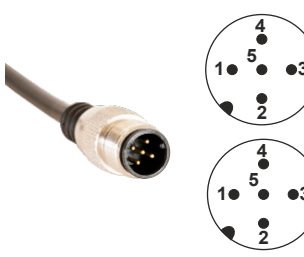
-M8 / -M8S



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

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

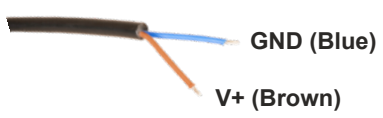
-M12 / -M12S



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

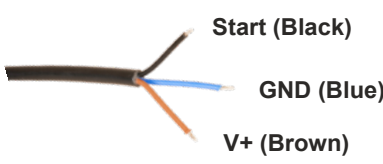
| Under 4 A | | Over 4 A | |
|---------------------|-----------|---------------------|-----------|
| M12S - Male 5 Poles | | M12S - Male 5 Poles | |
| 1 | +24 V | 1 | +24 V |
| 2 | NC | 2 | +24 V |
| 3 | GND | 3 | GND |
| 4 | Start PNP | 4 | Start PNP |
| 5 | NC | 5 | GND |

-5M / -10M



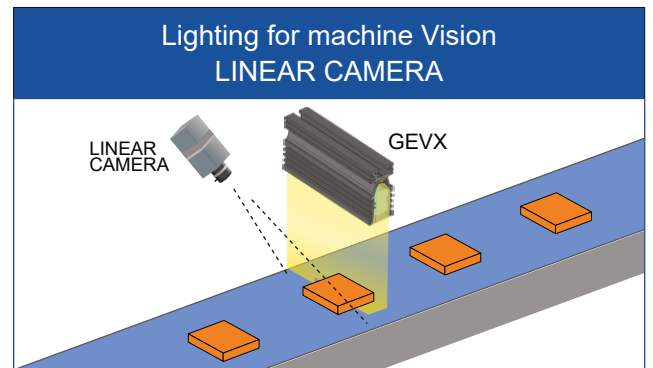
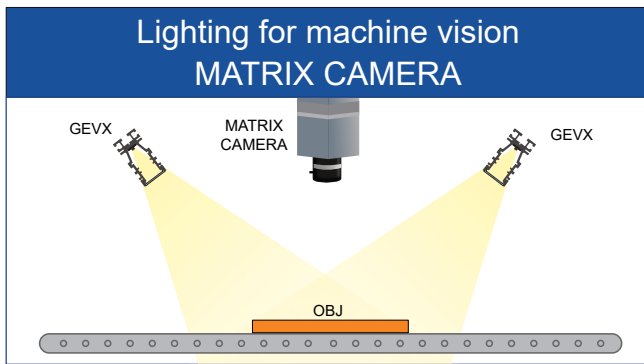
GND (Blue)
V+ (Brown)

-S / -5MS / -10MS

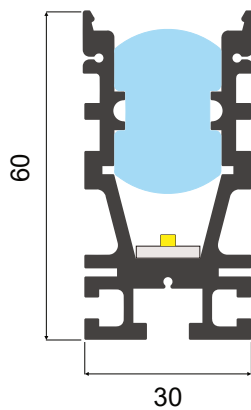


Start (Black)
GND (Blue)
V+ (Brown)

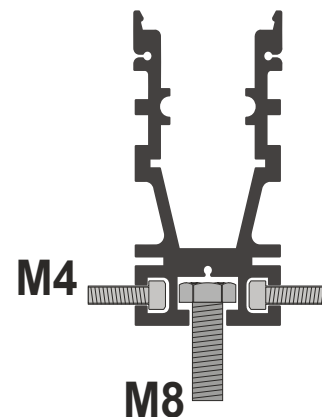
TYPICAL APPLICATIONS



MECHANICAL DRAWING

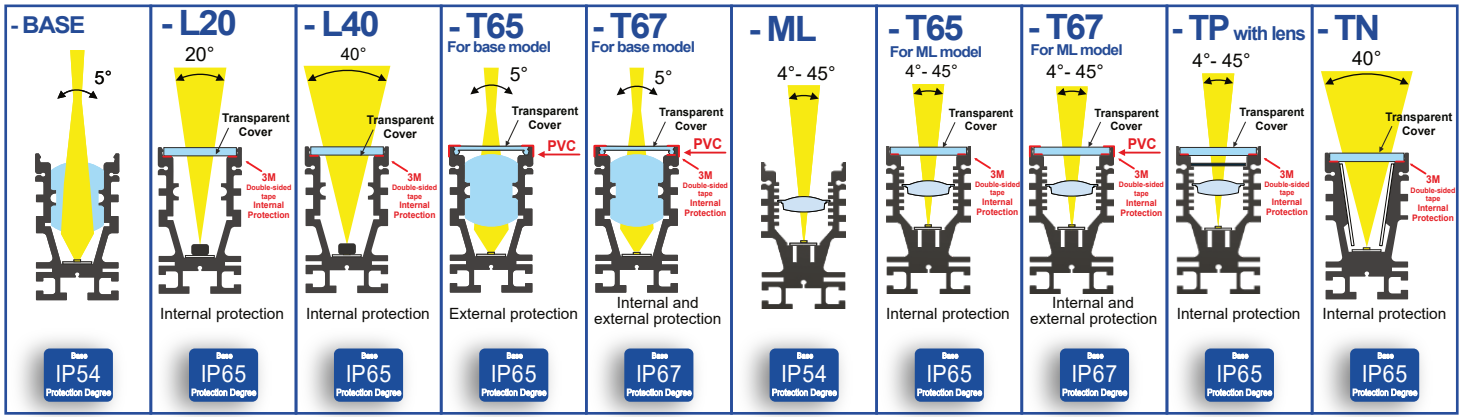


FIXING



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

BEAM ANGLES AND COVERS



LIGHT PROJECTION GEVX

| GEVX34-6K-UD-M12 | | |
|------------------|----------|---------------------------------------|
| Working distance | Width mm | Power W/m ² Continuous Use |
| 20 cm | 12 | 433 |
| 40 cm | 20 | 165 |
| 100 cm | 50 | 29,5 |

| GEVX34-6K-HD | | |
|------------------|----------|---------------------------------------|
| Working distance | Width mm | Power W/m ² Continuous Use |
| 20 cm | 10 | 213 |
| 40 cm | 19 | 79 |
| 100 cm | 49 | 15 |

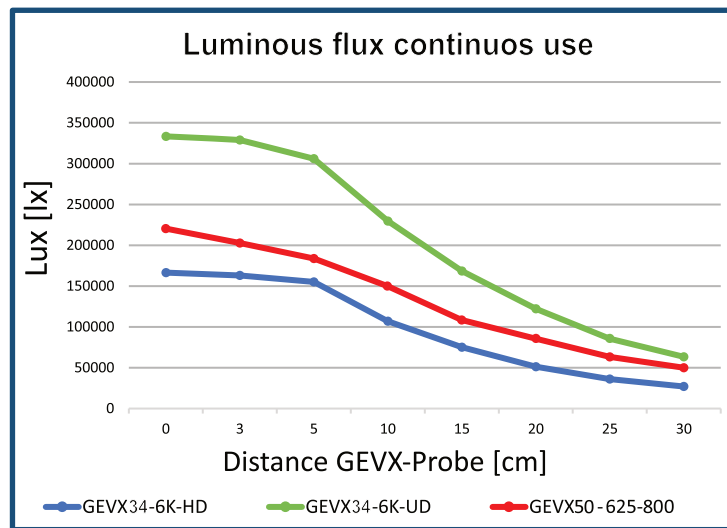
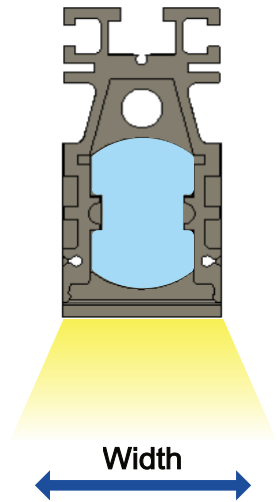
| GEVX34-6K-UD-ML-M12 | | |
|---------------------|-----------|---------------------------------------|
| Working distance | Width* mm | Power W/m ² Continuous Use |
| 20 cm | 40 | 270 |
| 40 cm | 80 | 90 |
| 100 cm | 180 | 16,5 |

| GEVX34-6K-XD-L20-M12 | | |
|----------------------|-----------|---------------------------------------|
| Working distance | Width* mm | Power W/m ² Continuous Use |
| 20 cm | 100 | 163 |
| 40 cm | 180 | 78 |
| 100 cm | 390 | 22 |

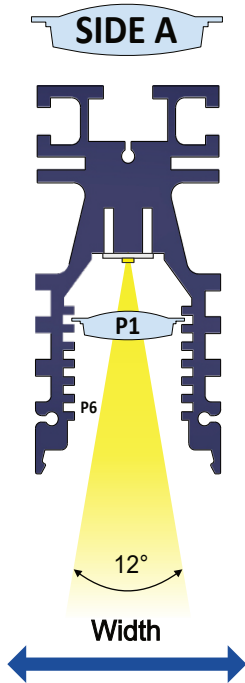
| GEVX34-6K-UD-TN-M12 | | |
|---------------------|-----------|---------------------------------------|
| Working distance | Width* mm | Power W/m ² Continuous Use |
| 20 cm | 140 | 77,5 |
| 40 cm | 210 | 25,5 |
| 100 cm | 500 | 4,8 |

| GEVX34-6K-XD-L40-M12 | | |
|----------------------|-----------|---------------------------------------|
| Working distance | Width* mm | Power W/m ² Continuous Use |
| 20 cm | 140 | 159 |
| 40 cm | 220 | 72 |
| 100 cm | 500 | 17 |

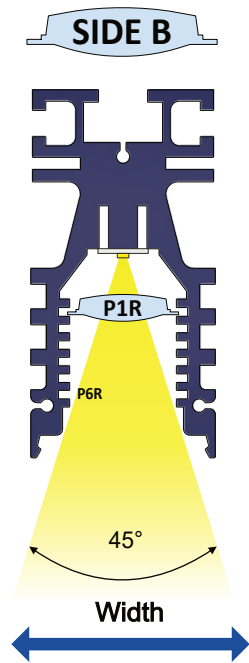
* The width is taken between the two points on the illuminated surface where the light intensity reaches 50% of the maximum value, measured in the centre and show in the table.



LIGHT PROJECTION GEVX-ML

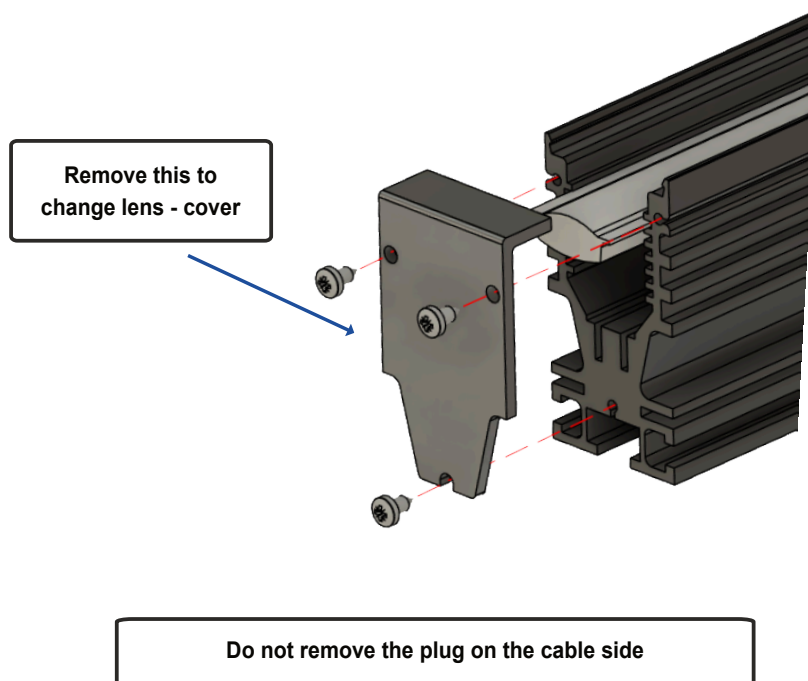


| GEVX34-6K-ML | | | | |
|------------------|------------|----------|---------------------------------------|-------------|
| Working distance | Beam angle | Width mm | Power W/m ² Continuous use | Lens slot * |
| 25 cm | 4° | 17 | 203 | P4R |
| | 6° | 26 | 223 | P2 |
| | 12° | 53 | 183 | P1 |
| | 22° | 97 | 105 | P2R |
| | 45° | 207 | 58 | P1R |



* The lighting solution will be supplied with lens in P1 slot (Beam Angle 12°) if no different position is declared by the customer

HOW TO CHANGE THE LENS POSITION



Tailor-Made

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

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SAMPLE

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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
IP54
Protection Degree

Variant
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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