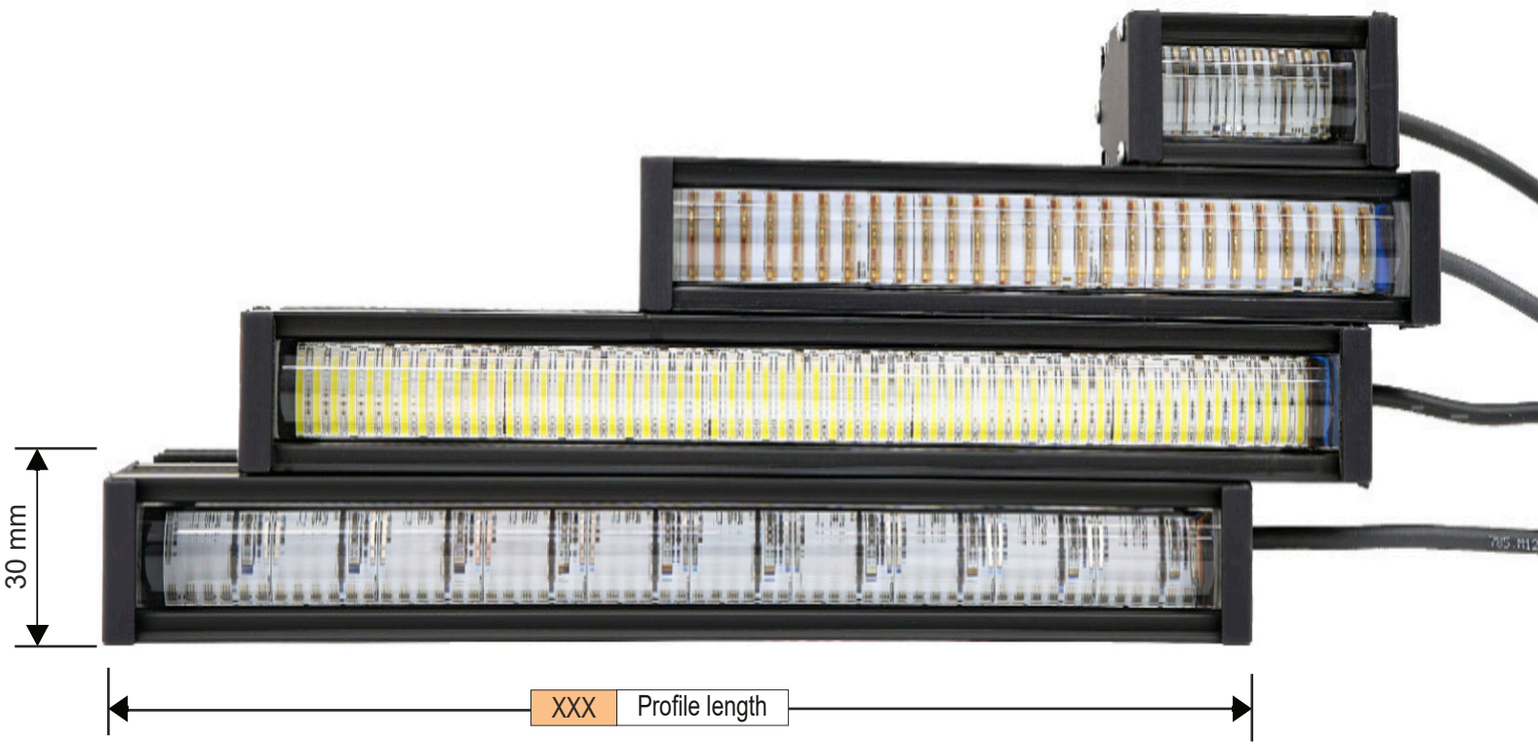
GEVX POWER BAR



Develop your custom solution

Over 18 Standard Colours

Base IP54 Protection Degree

Variant IP65 Protection Degree

24 Vdc

Optional Polarizing Filter

CE RoHS

UK CA

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

®All Rights Reserved GENESI ELETTRONICA - GEVX POWER BAR

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
-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		

Up to 2 different colours in a single light

-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
-ML	12° ML 4°- 45° + trasparent cover
-L20	20° lens + transparent cover
-L40	40° lens + transparent cover
-TP	lens +Transparent cover + Polarizing filter
-TNP	Transparent cover without lens + Polarizing filter
-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

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 1,12 A 27W IP65 20cm cable M12 5P M + Logic start

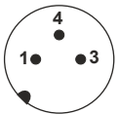
GEVX240-625-UD

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

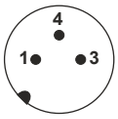
®All Rights Reserved GENESI ELETTRONICA - GEVX POWER BAR

PIN OUT

-M8 / -M8S

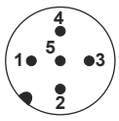


M8 - Male 3 Poles	
1	+24 V
3	GND
4	NC



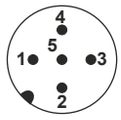
M8S - Male 3 Poles	
1	+24 V
3	GND
4	Start

-M12 / -M12S



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

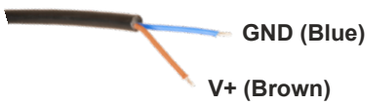
Over 4 A M12 - Male 5 Poles	
1	+24 V
2	+24 V
3	GND
4	NC
5	GND



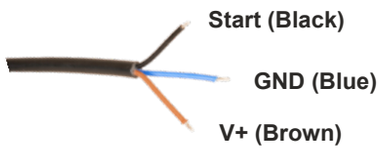
Under 4 A M12S - Male 5 Poles	
1	+24 V
2	NC
3	GND
4	Start PNP
5	NC

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

-5M / -10M

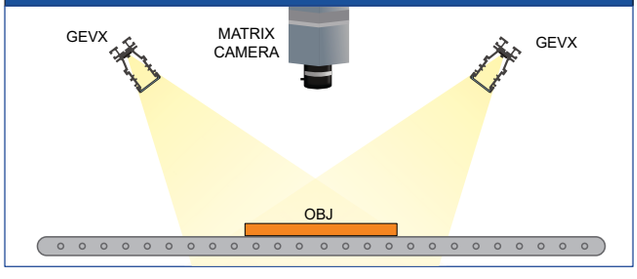


-S / -5MS / -10MS

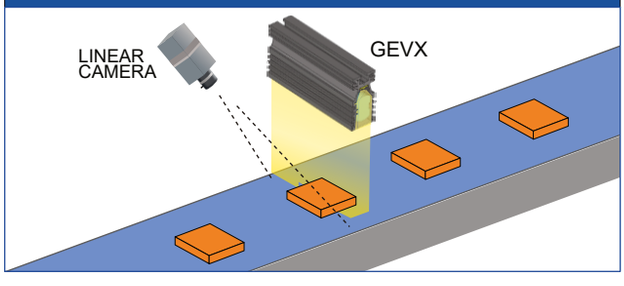


TYPICAL APPLICATIONS

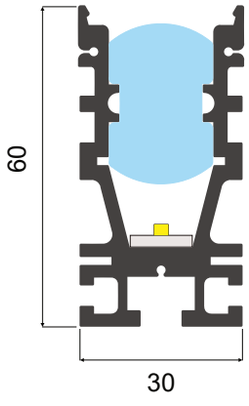
Lighting for machine vision
MATRIX CAMERA



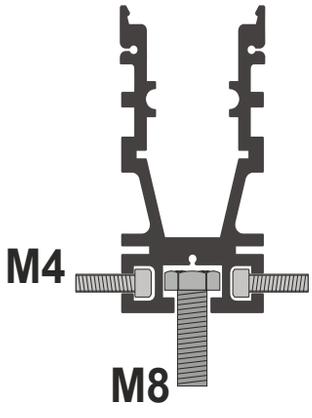
Lighting for machine Vision
LINEAR CAMERA



MECHANICAL DRAWING



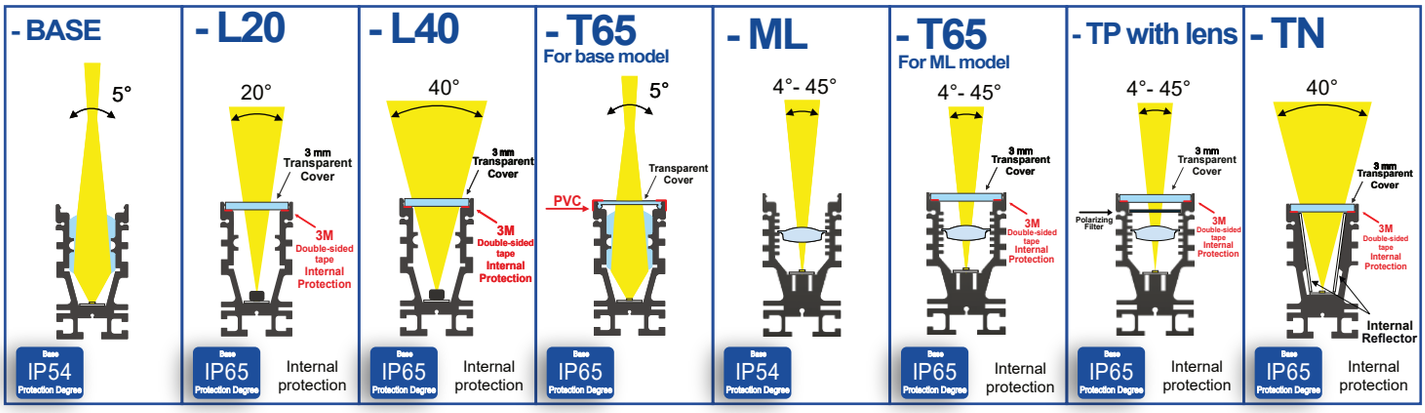
FIXING



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

®All Rights Reserved GENESI ELETTRONICA - GEVX POWER BAR

BEAM ANGLES AND COVERS



LIGHT PROJECTION GEVX

GEVX34-6K-UD-M12		
Working distance	Width mm	Power W/m² Continuous Use
20 cm	12	433
40 cm	20	165
100 cm	50	29,5

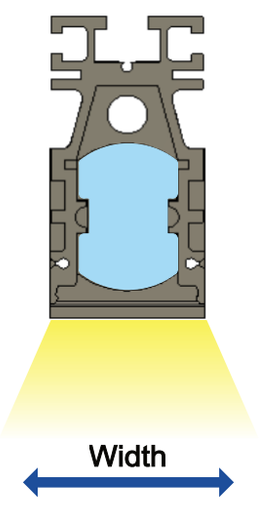
GEVX34-6K-HD		
Working distance	Width mm	Power W/m² Continuous Use
20 cm	10	213
40 cm	19	79
100 cm	49	15

GEVX34-6K-UD-ML-M12		
Working distance	Width* mm	Power W/m² 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/m² Continuous Use
20 cm	100	163
40 cm	180	78
100 cm	390	22

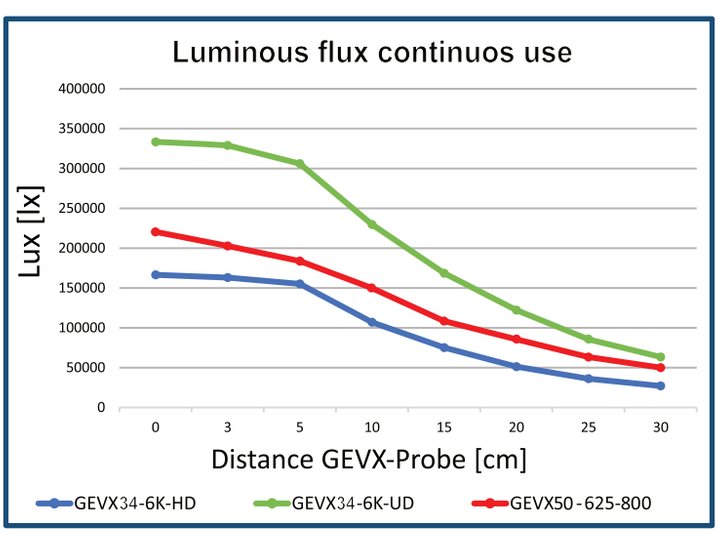
GEVX34-6K-UD-TN-M12		
Working distance	Width* mm	Power W/m² Continuous Use
20 cm	140	77,5
40 cm	210	25,5
100 cm	500	4,8

GEVX34-6K-XD-L40-M12		
Working distance	Width* mm	Power W/m² Continuous Use
20 cm	140	159
40 cm	220	72
100 cm	500	17



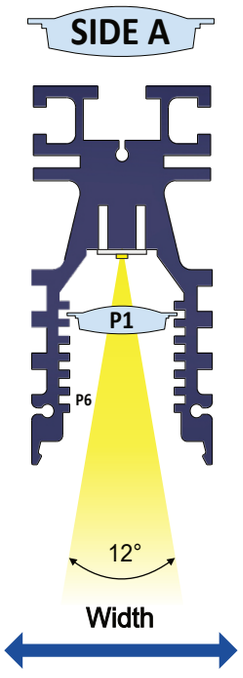
*****

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.

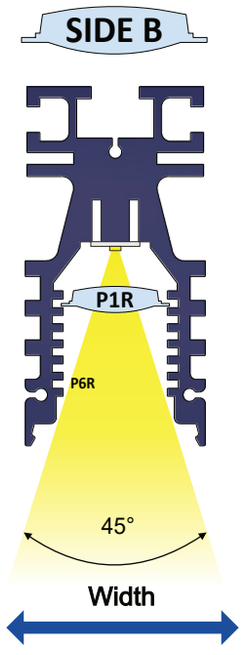


®All Rights Reserved GENESI ELETTRONICA - GEVX POWER BAR

LIGHT PROJECTION GEVX-ML

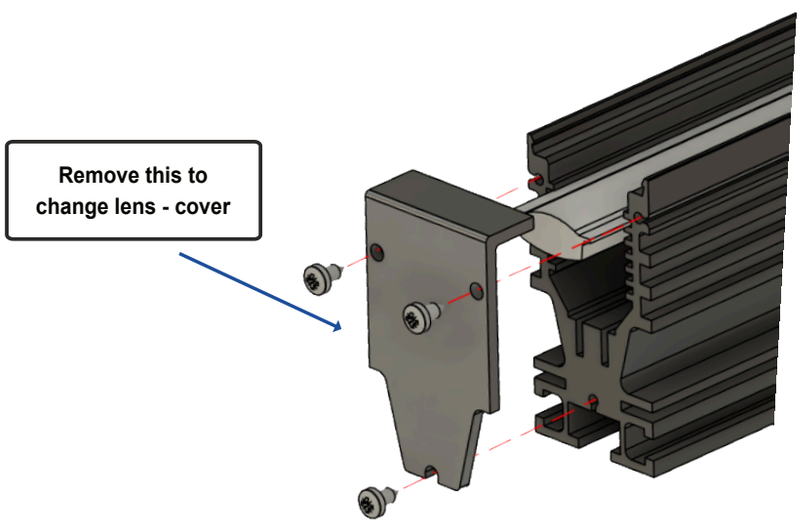


GEVX34-6K-ML				
Working distance	Beam angle	Width mm	Power W/m² Continuous use	Lens slot *
25 cm	4°	17	203	P4R
	6°	26	223	P2
	12°	53	183	P1
	22°	97	105	P2R
	45°	207	58	P1R



***** **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



Do not remove the plug on the cable side

®All Rights Reserved GENESI ELETTRONICA - GEVX POWER BAR

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

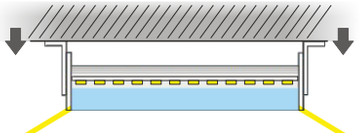
DOWNLOAD
TECHNICAL SPECIFICATIONS
www.genesi-elettronica.com

REQUEST
THE PRICE LIST
info@genesi-lux.it

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

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.

CE

®All Rights Reserved GENESI ELETTRONICA - GEVX POWER BAR