

Develop your custom solution

Over 18 Standard Colours

Base IP54 Protection Degree

Variant IP65 Protection Degree

24 Vdc

Optional Collimating Filter

CE RoHS

UK CA

Illuminator Features :

- Project achieved by internal resources and Genesi skills;
- Model with satin, semi-opaline black or opaline covers;

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®

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

info@genesi-lux.it - TEL. +39 059785566 - www.genesi-elettronica.com

©All Rights Reserved GENESI ELETTRONICA - GEVXB BACKLIGHT



Organization with a certified ISO 9001:2015 Quality Management System

Rev. 01/24

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

XXX	Base Lengths
GEVXB06	6 cm
GEVXB10	10 cm
GEVXB16	16 cm
GEVXB20	20 cm
GEVXB28	28 cm
GEVXB34	34 cm
GEVXB42	42 cm
GEVXB50	50 cm
GEVXB100	100 cm
GEVXB200	200 cm
GEVXBXXX	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	
-450	450 nm Royal Blue	Visible RISK1
-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	
-1200	1200 nm SWIR	Swir RISK2
-1300	1300 nm SWIR	
-1450	1450 nm SWIR	
-1550	1550 nm SWIR	
-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 satin cover
-OP	Opaline cover
-OPB	Semi-opaline black cover
-IP65	Satin cover + 3M - IP65
-OPC	Collimating filter + Opaline cover
-WW1	Cover on demand

-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:

GEVXB20-6K-UD

Backlight bar 20cm White 6000K satin cover 2000Lm 560mA 13,4W
2Mt cable 2 Wires

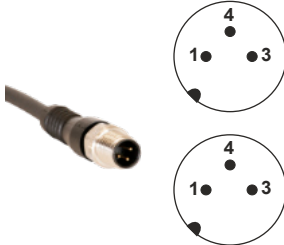
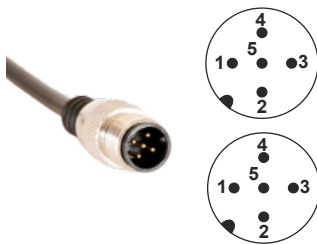
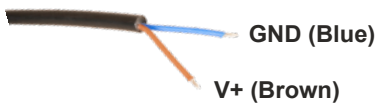
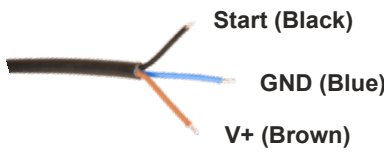
GEVXB140-850-70

Backlight bar 140cm led IR 850nm satin cover SC GE366 2,38 A
57W 2Mt cable 2 Wires

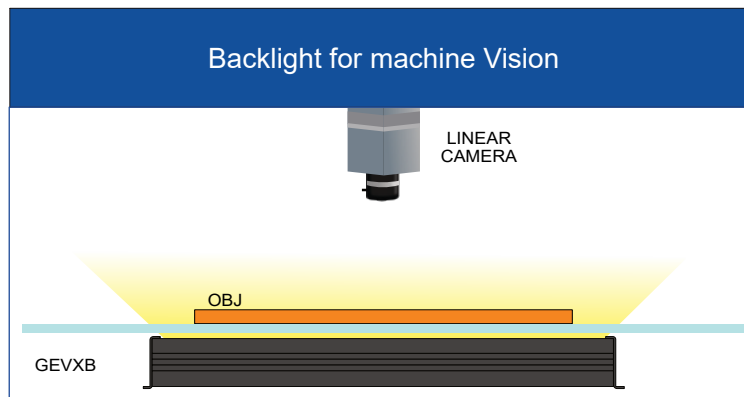
GEVXB350-625-500-IP65

Backlight bar 350cm led RED 625nm satin cover SK GE490 10,5 A
252W IP65 2Mt 2 cables 2 Wires

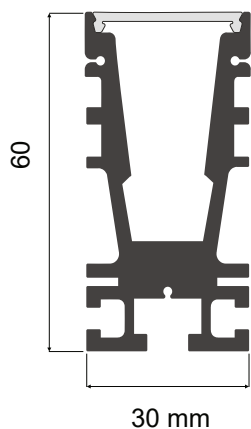
PIN OUT

<p>-M8 / -M8S</p>  <table border="1" data-bbox="437 267 660 360"> <thead> <tr> <th colspan="2">M8 - Male 3 Poles</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+24 V</td> </tr> <tr> <td>3</td> <td>GND</td> </tr> <tr> <td>4</td> <td>NC</td> </tr> </tbody> </table> <table border="1" data-bbox="437 395 660 499"> <thead> <tr> <th colspan="2">M8S - Male 3 Poles</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+24 V</td> </tr> <tr> <td>3</td> <td>GND</td> </tr> <tr> <td>4</td> <td>Start PNP</td> </tr> </tbody> </table>	M8 - Male 3 Poles		1	+24 V	3	GND	4	NC	M8S - Male 3 Poles		1	+24 V	3	GND	4	Start PNP	<p>-M12 / -M12S</p>  <table border="1" data-bbox="1057 197 1280 348"> <thead> <tr> <th colspan="2">Under 4 A</th> </tr> <tr> <th colspan="2">M12 - Male 5 Poles</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+24 V</td> </tr> <tr> <td>2</td> <td>NC</td> </tr> <tr> <td>3</td> <td>GND</td> </tr> <tr> <td>4</td> <td>NC</td> </tr> <tr> <td>5</td> <td>NC</td> </tr> </tbody> </table> <table border="1" data-bbox="1296 197 1528 348"> <thead> <tr> <th colspan="2">Over 4 A</th> </tr> <tr> <th colspan="2">M12 - Male 5 Poles</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+24 V</td> </tr> <tr> <td>2</td> <td>+24 V</td> </tr> <tr> <td>3</td> <td>GND</td> </tr> <tr> <td>4</td> <td>NC</td> </tr> <tr> <td>5</td> <td>GND</td> </tr> </tbody> </table> <table border="1" data-bbox="1057 360 1280 511"> <thead> <tr> <th colspan="2">Under 4 A</th> </tr> <tr> <th colspan="2">M12S - Male 5 Poles</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+24 V</td> </tr> <tr> <td>2</td> <td>NC</td> </tr> <tr> <td>3</td> <td>GND</td> </tr> <tr> <td>4</td> <td>Start PNP</td> </tr> <tr> <td>5</td> <td>NC</td> </tr> </tbody> </table> <table border="1" data-bbox="1296 360 1528 511"> <thead> <tr> <th colspan="2">Over 4 A</th> </tr> <tr> <th colspan="2">M12S - Male 5 Poles</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+24 V</td> </tr> <tr> <td>2</td> <td>+24 V</td> </tr> <tr> <td>3</td> <td>GND</td> </tr> <tr> <td>4</td> <td>Start PNP</td> </tr> <tr> <td>5</td> <td>GND</td> </tr> </tbody> </table>	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
M8 - Male 3 Poles																																																																									
1	+24 V																																																																								
3	GND																																																																								
4	NC																																																																								
M8S - Male 3 Poles																																																																									
1	+24 V																																																																								
3	GND																																																																								
4	Start PNP																																																																								
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																																																																								
<p>-5M / -10M</p>  <p>GND (Blue) V+ (Brown)</p>	<p>-S / -5MS / -10MS</p>  <p>Start (Black) GND (Blue) V+ (Brown)</p>																																																																								

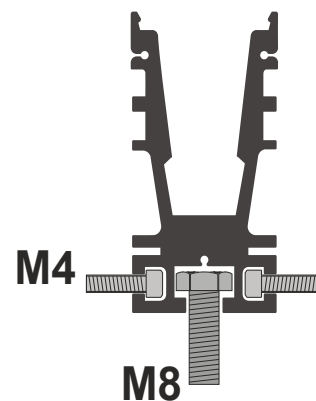
TYPICAL APPLICATIONS



MECHANICAL DRAWING

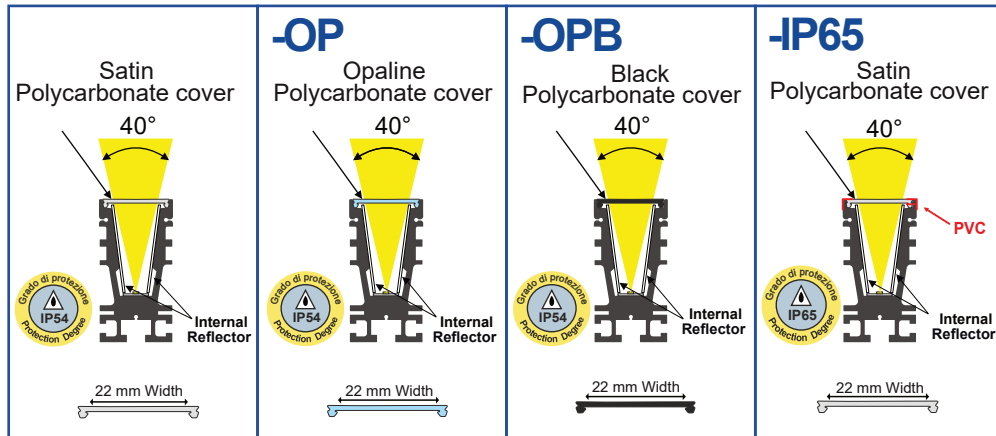


FIXING



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

BEAM ANGLES AND COVERS

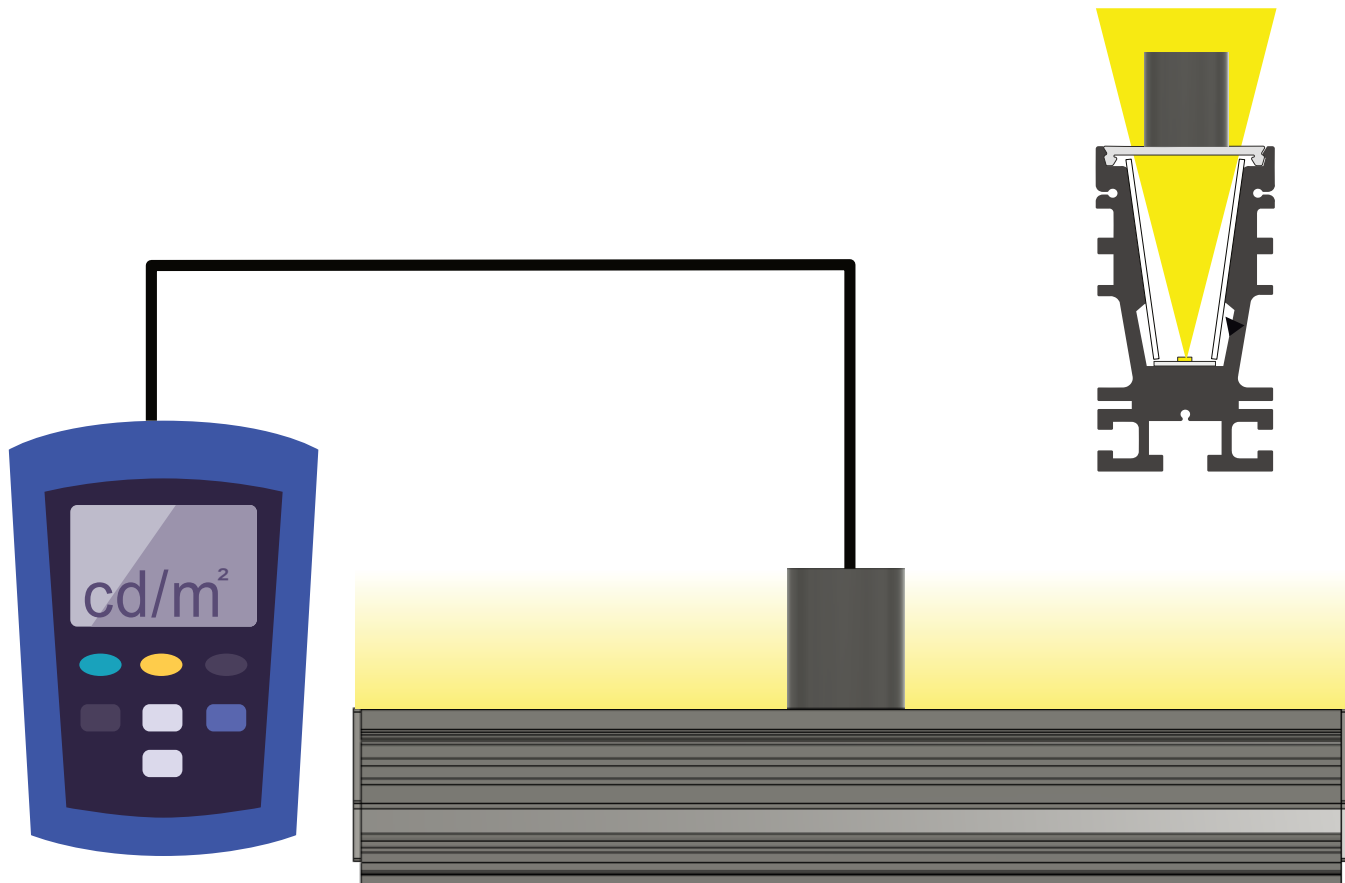


LIGHT PROJECTION

GEVXB34-6K-UD-ST-M12	
Working Distance	Luminance cd/m ² Continuous Use
On Surface	100.000

GEVXB34-6K-UD-OP-M12	
Working Distance	Luminance cd/m ² Continuous Use
On Surface	65.000

GEVXB34-6K-UD-OPB-M12	
Working Distance	Luminance cd/m ² Continuous Use
On Surface	25.000



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

STANDARDS

EMC immunity :	EN 61547:2009	
EMC emission :	EN 55015:2013 + A1	
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.



Design & Production
Made in Italy



Genesi LUX®

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

info@genesi-lux.it - TEL. +39 059785566 - www.genesi-elettronica.com

©All Rights Reserved GENESI ELETTRONICA - GEVXB BACKLIGHT



Organization with a
certified ISO 9001:2015
Quality Management System

Rev. 01/24