
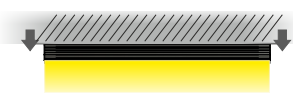
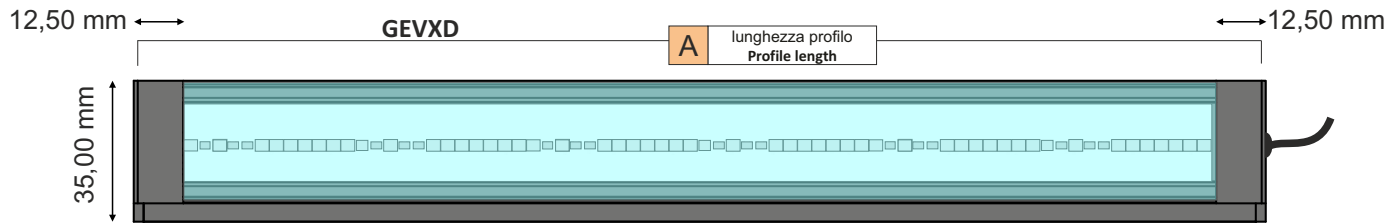


# Multispectral GEVXD 12 programmable wavelengths

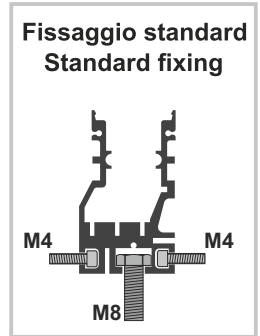
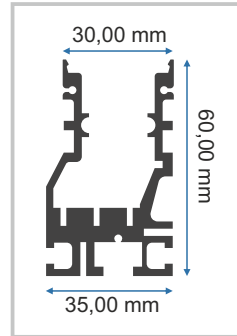
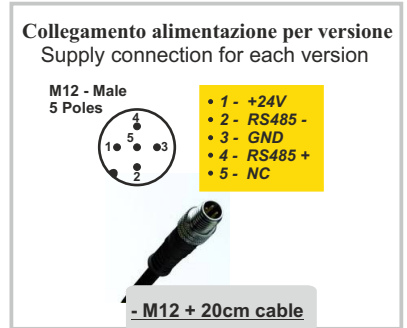
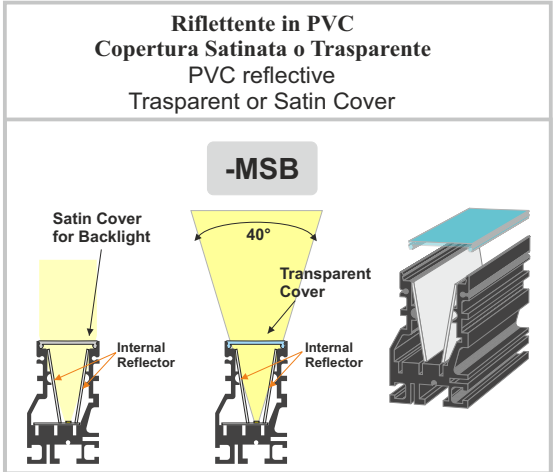
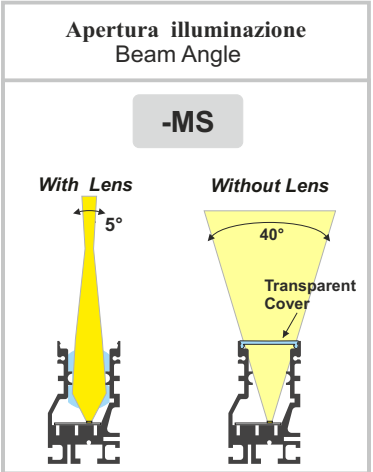
Multispectral GEVXD Configuration examples Continuous use - passive cooling		Profile Length	Boards N.	Wavelength config.	Standard current supply at 24V=	Power consumption	Power Led total N.	type of use	Working temperature range
	GEVXD28-MS-400-1650	28 cm	1	400-1650 nm (table 1)	2,0 A Max	50 W Max	12 x 6	Visible +Nir+Swir	Da 0° (no frost) a +40°C From 0° to +40°C  Per uso continuo di più canali è necessario un radiatore aggiuntivo  For continuous use of several channels it is necessary an additional radiator
	GEVXD28-MS-365-980	28 cm	1	365-980 nm (table 2)	1,5 A Max	35 W Max	12 x 6	UVA+Visible +Nir	
	GEVXD28-MS-RGB-1550	28 cm	1	450-1550 nm (table 3)	2,0 A Max	50 W Max	12 x 6	Visible +Nir+Swir	
	GEVXD108-MS-400-1650	108 cm	4	400-1650 nm (table 1)	8,0 A Max	200 W Max	12 x 24	Visible +Nir+Swir	
	GEVXD55-MS-365-980	55 cm	2	365-980 nm (table 2)	3,0 A Max	70 W Max	12 x 12	UVA+Visible +Nir	
	GEVXD161-MS-365-980	161 cm	6	365-980 nm (table 2)	12,0 A Max	280 W Max	12 x 36	UVA+Visible +Nir	
	GEVXD214-MS-400-1650	214 cm	8	400-1650 nm (table 1)	16,0 A Max	380 W Max	12 x 48	Visible +Nir+Swir	

Si garantisce il grado IP segnalato se il prodotto viene montato rivolto verso il basso

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

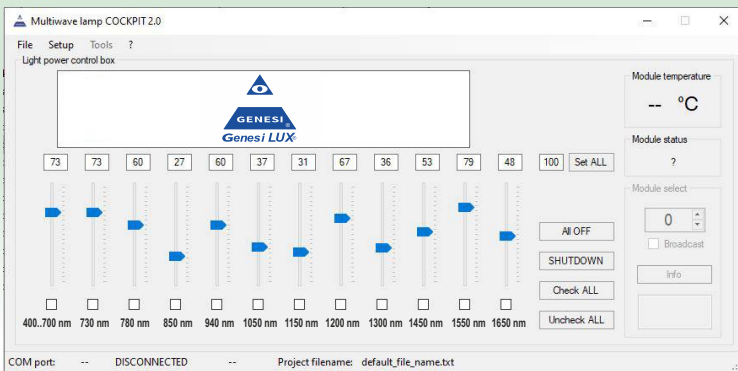




**Su richiesta disegni meccanici 3D**  
3D mechanical drawings on request



# Multispectral GEVXD 12 programmable wavelengths

Rev. 03/22



## Application

- Useful in all the prototype machineries where it is necessary to understand which is the most suitable lighting for a particular object, with a single illuminator;
- Useful in all the production machineries that analyze of different products on a single line, since with a single illuminator it is possible to have up to 12 different wavelengths;
- Useful in analysis laboratories where it is necessary to highlight material samples using particular wavelengths;

## Description

Useful for vision systems with linear cameras (using 5° polycarbonate lens); Useful for vision systems with matrix cameras (using 5° polycarbonate lens or without it, to have a 40° beam angle);  
 Single wavelength ignition from 0 to 100% or simultaneous ignition of all 12 wavelengths;  
 GEVXD28 (basic model) dimensions: 280X60X35 mm;  
 Modular model: up to 8 boards on the same bar (up to 214 cm);  
 - Including USB/485 Converter and pc software

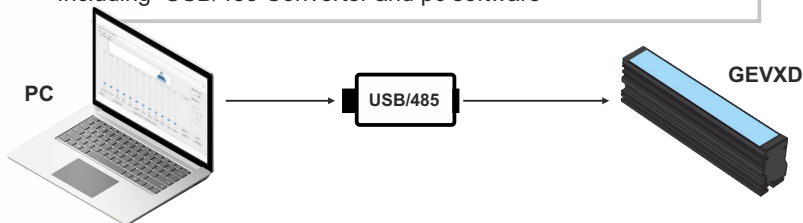
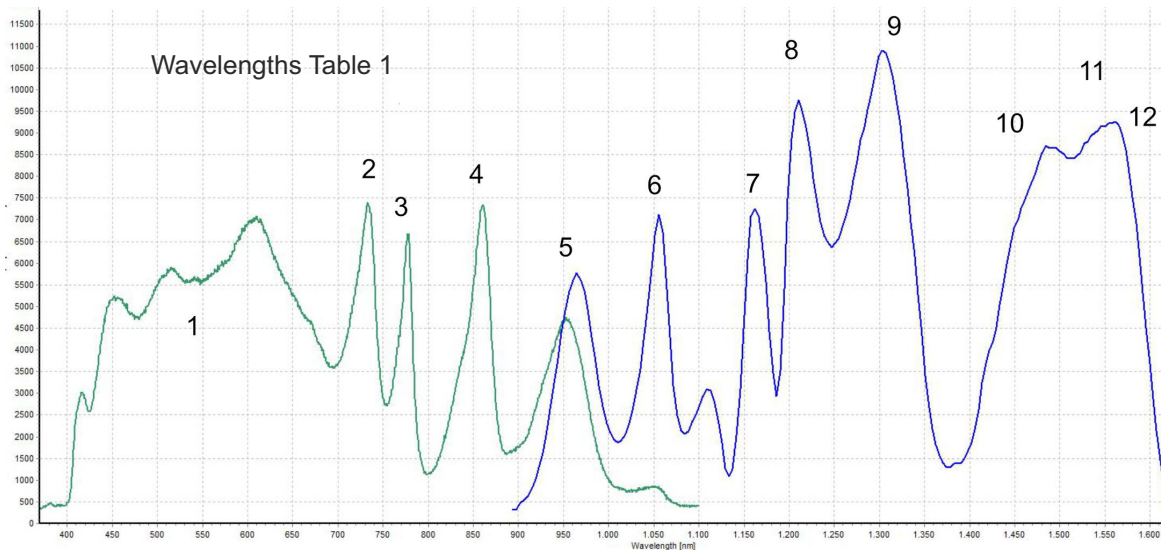


Table 1 WAVELENGTH	Radiant intensity * (mW/steradian)	Table 2 WAVELENGTH	Radiant intensity * (mW/steradian)	Table 3 WAVELENGTH	Radiant intensity * (mW/steradian)
400 - 700 nm	60mW/sr	365 nm	300 mW/sr	450 nm	300mW/sr
730 nm	70mW/sr	385 nm	300mW/sr	520 nm	300mW/sr
780 nm	84mW/sr	395 nm	300 mW/sr	625 nm	300 mW/sr
850 nm	60mW/sr	400-700 nm	150mW/sr	400-700 nm	150mW/sr
940 nm	60mW/sr	450 nm	300 mW/sr	730 nm	150mW/sr
1050 nm	60mW/sr	520 nm	250 mW/sr	850 nm	80mW/sr
1150 nm	76mW/sr	625 nm	200 mW/sr	940 nm	60mW/sr
1200 nm	60mW/sr	730 nm	150mW/sr	1050 nm	60mW/sr
1300 nm	53mW/sr	780 nm	140 mW/sr	1200 nm	60mW/sr
1450 nm	26mW/sr	850 nm	80mW/sr	1300 nm	53mW/sr
1550 nm	17mW/sr	940 nm	60mW/sr	1450 nm	26mW/sr
1650 nm	9mW/sr	980 nm	160 mW/sr	1550 nm	17mW/sr

\*Custom table wavelengths on request



### ATTENZIONE / WARNING

- Prodotto elettrico per uso professionale, può essere installato solo da personale qualificato.
  - *Electrical device exclusively for professional use. Installation can be done by qualified personnel only.*
  - In caso di danneggiamento del cavo di alimentazione, la sostituzione del medesimo deve essere eseguita esclusivamente presso la casa madre.
  - *In case of power supply wire damage, its replacement has to be done at the head office exclusively.*
- Perdita di GARANZIA a causa di uso improprio e manomissione del prodotto.  
 Warranty loss in case of inappropriate use and tampering.



**Genesi LUX**® a division of

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Organization with a certified ISO 9001:2015 Quality Management System