

Linear · GV Series Infrared 850nm

lumher



24 V
DC

CONTINUOUS
STROBE
DIMMABLE

150 mm
INCREMENTAL

M12A
M12T
M12T+M12A

OPTICS

CONTINUOUS 1x
STROBE 2x

INTEGRATED
CONTROLLER

IP65

36
MONTHS

EU
MADE IN SPAIN

Technical specifications

Power supply voltage	24 Vdc ±5%	
Trigger input	24 Vdc PNP / NPN	
Max. on time	Continuous = unlimited	Strobe = 250 ms
Max. working cycle	Continuous = 1	Strobe = 1/3
Max. consumption Trigger input	1,5 mA	
Max. number of cascadable modules	This luminaire is not cascadable	
Wavelength	Infrared	850nm
Beam angle	Transparent Semidiffuse	6° · 15° · 30° 72°
Electrical protections	Transient overvoltages Polarity reversal Current sablizer	YES YES YES
IP Rating	IP65	
Protection type	Class III	
Operating temperature	-10 °C to +40 °C	
Storage temperature	0°C to +60 °C	
Max. relative humidity	80% (without condensation)	
Body material	Anodized aluminum	
Side cover material	Anodized aluminum	
Diffuser material	Polycarbonate / Methacrylate	
Lenses material	Methacrylate	
Connection types	M12A, M12T, cable M12T with connector + M12A	
Standards	RoHs, CE	

Connection

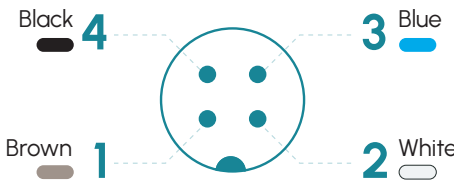
Input	Continuous	Continuous - Strobe
Pin 1	+24 Vdc	+24 Vdc
Pin 2	Trigger NPN	Trigger NPN
Pin 3	0 Vdc	0 Vdc
Pin 4	Trigger PNP	Trigger PNP

Input	Continuous - Strobe - Dimmable	
	M12T Input	M12A Input
Pin 1	+24 Vdc	A+
Pin 2	Trigger NPN	B-
Pin 3	0 Vdc	I-10V
Pin 4	Trigger PNP	GND

M12T Male



M12A Male



Fixings

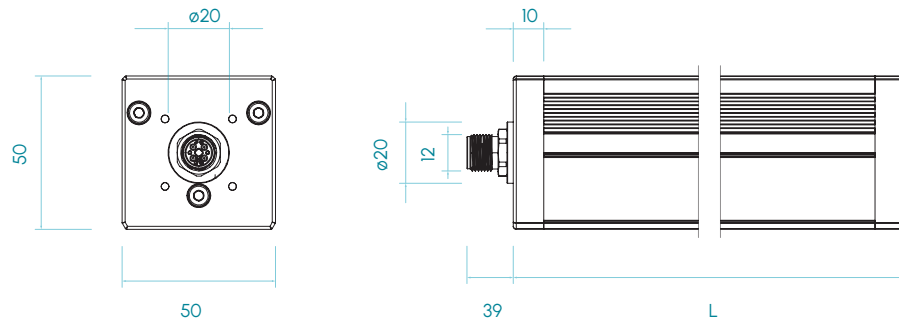
G00R1

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Measures

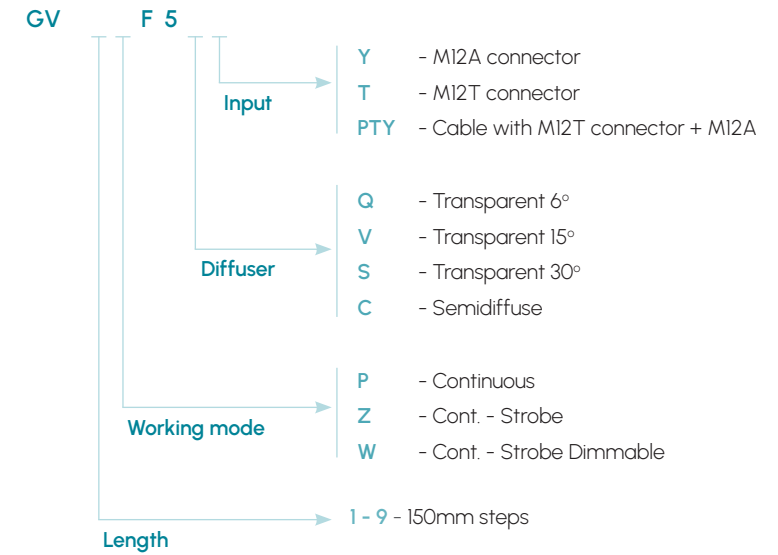
IP65



Measures in mm

GV · 850nm

Selection guide



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Model GV · Infrared 850nm



850nm

INFRARED

TRANSPARENT
6°, 15°, 30°

SEMIDIFFUSE

PHOTOBIOLOGICAL
RISK

RG1 - LOW

60.000h

LIFESPAN

Table of characteristics

	Length L (mm)	Weight (g)	Radiated power ⁽²⁾ (mW)		Power consumed (W)	
			CONT.	STROBE	CONT.	STROBE
GV 01 ...	250	741	5.401	10.786	8,4	19,4
GV 02 ...	400	1.063	10.802	21.573	16,8	38,8
GV 03 ...	550	1.411	16.204	32.359	25,2	58,2
GV 04 ...	700	1.760	21.605	43.146	33,6	77,6
GV 05 ...	850	2.109	27.006	53.932	42	97
GV 06 ...	1.000	2.457	32.407	64.718	50,4	116,4
GV 07 ...	1.150	2.806	37.808	75.505	58,8	135,8
GV 08 ...	1.300	3.155	43.210	86.291	67,2	155,2
GV 09 ...	1.450	3.503	48.611	97.078	75,6	174,6

A	M12A
T	M12T

(2) The luminous flux (lm) is before the lenses.