



Develop
your custom
solution

18
Standard
Colours

Base
IP65
Protection Degree

24
Vdc

Optional
Polarizing
Filter

Optional
IO-Link
External
controller

CE
RoHS

UK
CA

E545377 Class 2

Illuminator Features :

- Project achieved by internal resources and Genesi skills;
- Model with transparent and opaline cover
- Model with 10°,20°,25°,40°and 60° lenses

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

Ex. Code : **GEMBXXX** -**YYY** -**CCC** -**WW1** -**WW3**

XXX	Base Lengths
GEMB03	3 cm
GEMB05	5 cm
GEMB09	9 cm
GEMB18	18 cm
GEMB25	25 cm
GEMB34	34 cm
GEMB42	42 cm
GEMB50	50 cm
GEMB100	100 cm
GEMB200	200 cm
GEMBXXX	from 3 cm to 600 cm on demand

-YYY	Led Colours	EN
-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	
-6KR	Bicolour 6K + Red	
-6KB	Bicolour 6K + Blue	
-6KG	Bicolour 6K + Green	Nir RISK2
-625	625 nm Red	
-660	660 nm Deep Red	
-730	730 nm IR	
-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	
-YYY	Colour on demand	

-CCC	Powers
	Base 120 mA per led up to 200
-20	20 mA per led
-40	40 mA per led
-70	70 mA per led
-85	85 mA per led
-300	300 mA per led only strobe use
-RA10	Analog reg 0-10V
-RA24	Analog reg 0-24V
-CC	Current Control
-CCC	Current on demand

-WW1	Cover variants
-T	Base Transparent cover
-OP	Base Opaline cover
-L10	10° lens
-L20	20° lens + transparent cover
-L25	25° lens
-L40	40° lens + transparent cover
-L60	60° lens + transparent cover
-TP	Polarizing filter + Transparent cover
-WW1	Cover on demand

-WW3	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
-WW3	Supply connection on demand

Not all combinations are available

Part Number Examples:

GEMB25-6K-OP

Bar light 25cm White 6000K Opaline cover 1230Lm 340mA 8,2W 2 Mt cable 2 Wires

GEMB05-625-85-T-M8S

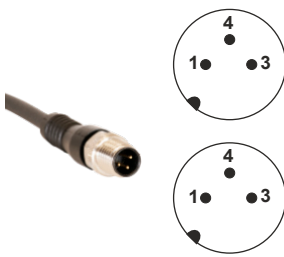
Bar light 5cm RED 625nm Transparent cover 85mA 20cm cable M8 3P M + logic start

GEMB50-524-L25-5MS

Bar light 50cm Green 524nm 25° Lens cover 840mA 20W 5Mt 3P cable + logic start

PIN OUT

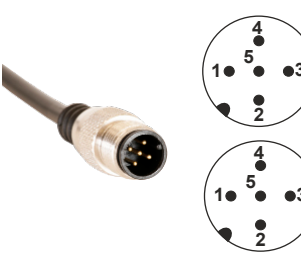
-M8 / -M8S



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

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

-M12 / -M12S



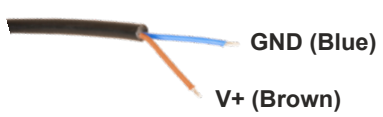
Under 4 A	
M12 - Male 5 Poles	
1	+24 V
2	NC
3	GND
4	NC
5	NC

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

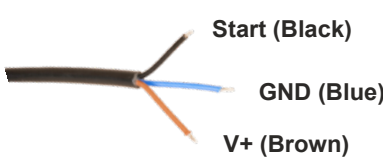
-5M / -10M



GND (Blue)

V+ (Brown)

-S / -5MS / -10MS



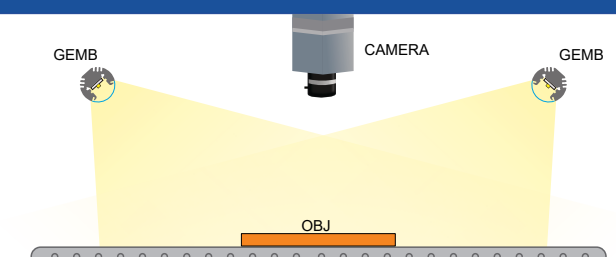
Start (Black)

GND (Blue)

V+ (Brown)

TYPICAL APPLICATIONS

Lighting for machine Vision



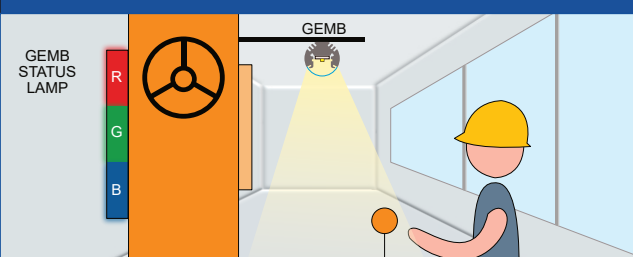
GEMB

CAMERA

GEMB

OBJ

Lighting and signal for machinery



GEMB STATUS LAMP

R

G

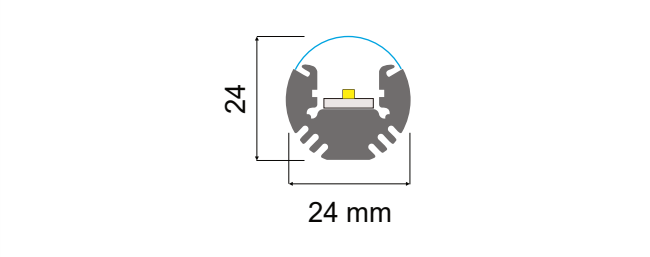
B

GEMB

MECHANICAL DRAWING

FIXING

MECHANICAL DRAWING

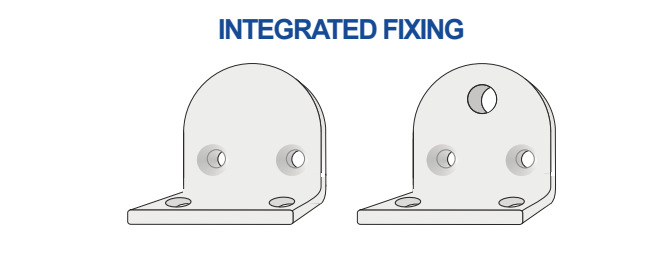


24

24 mm

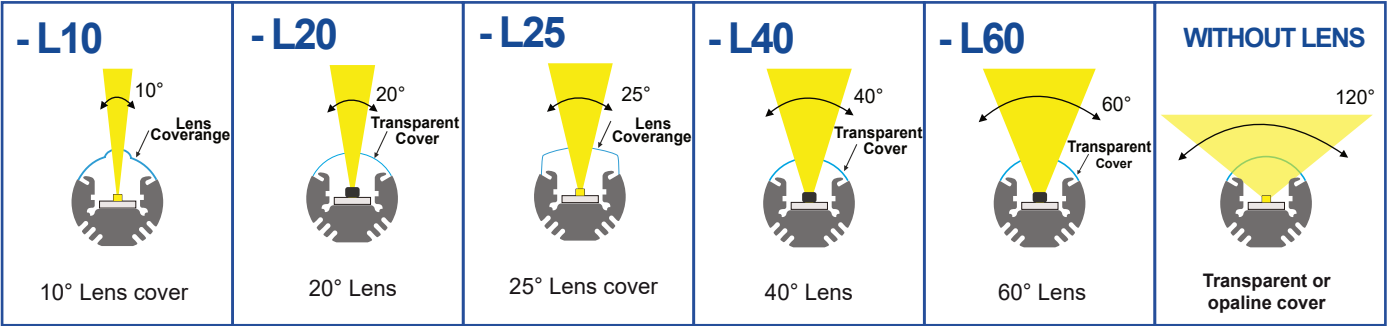
FIXING

INTEGRATED FIXING

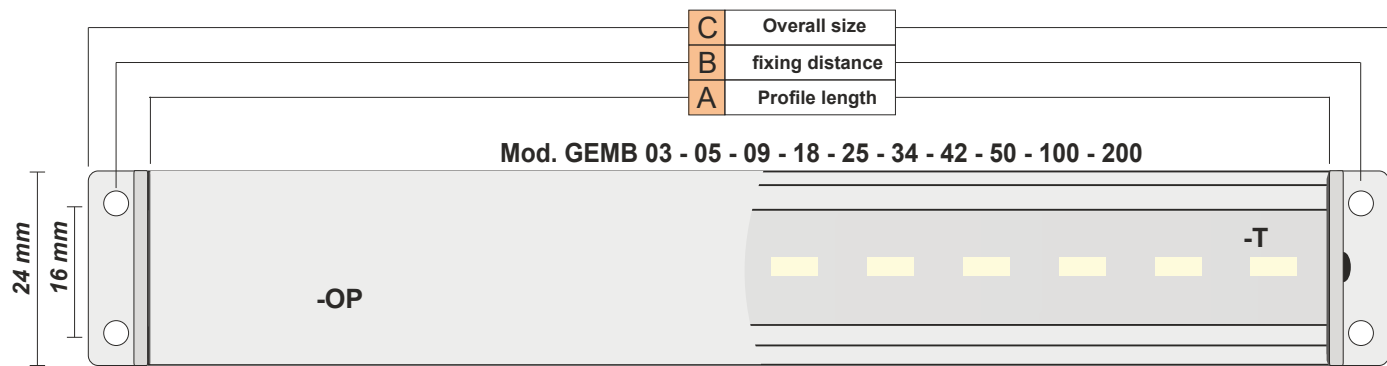


For 3D mechanical drawing requests - info@genesi-lux.it

BEAM ANGLES



BASE MODEL LENGTHS & POWERS



WORKING TEMPERATURE RANGE
FROM -35°C (NO FROST) TO +55°C

Mod.	A (mm)	B (mm)	C (mm)	Supply voltage	Supply current	Power consumption
GEMB03	30	45	54	24/vdc +/- 10%	70mA	1,6 W
GEMB05	50	65	74		85mA	2,0 W
GEMB09	89	104	113		120mA	2,9 W
GEMB18	176	191	200		230mA	5,4 W
GEMB25	246	261	270		340mA	8,2 W
GEMB34	340	355	364		450mA	10,8 W
GEMB42	419	434	443		570mA	13,7 W
GEMB50	497	512	521		680mA	16,4 W
GEMB100	999	1014	1023		1360mA	32,8 W
GEMB200	1999	2014	2023		2720mA	65,6 W
GEMBXxx from 30 mm to 6000 mm						

LIGHT POWER TEST

Transparent



Opaline



GEMB50-6K-T	
Working Distance	Power W/m²
20 cm	30
40 cm	11
100 cm	2,2

GEMB50-6K-OP	
Working Distance	Power W/m²
20 cm	14,5
40 cm	5,3
100 cm	1

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

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SAMPLE

TEST THE PRODUCT

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DOWNLOAD

TECHNICAL SPECIFICATIONS

www.genesi-elettronica.com

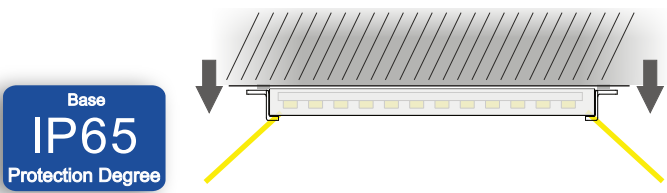


REQUEST

THE PRICE LIST

info@genesi-lux.it

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



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.



Design & Production
Made in Italy



GENESI

Genesi LUX®

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Organization with a
certified ISO 9001:2015
Quality Management System

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