



Develop your custom solution	14 Standard Colours	Base IP67 Protection Degree	Base IP69K Protection Degree	Optional Polarizing Filter	24 Vdc
Optional IO-Link External controller	CE RoHS	UK CA	cRUUS E545377 Class 2		

Illuminator Features :

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

COLOUR	WHITE		VISIBLE				NIR			SWIR				
Led Colour	White 6000K	White 4000K	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	-450	-524	-625	-660	-730	-850	-950	-1050	-1200	-1300	-1450	-1550

GEMPC Part Number

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

XXX	Base Lengths
GEMPC09	9 cm
GEMPC18	18 cm
GEMPC25	25 cm
GEMPC34	34 cm
GEMPC42	42 cm
GEMPC50	50 cm
GEMPC100	100 cm
GEMPC200	200 cm
GEMPCXXX	from 3 cm to 200 cm on demand

-YYY	Led Colours	
-6K	Base 6000K Cold White	White
-4K	4000K Natural White	
-RGB	RGB	Visible
-450	450 nm Royal Blue	
-524	524 nm Green	
-625	625 nm Red	
-660	660 nm Deep Red	
-730	730 nm IR	Nir
-850	850 nm IR	
-950	950 nm IR	
-1050	1050 nm SWIR	Swir
-1200	1200 nm SWIR	
-1300	1300 nm SWIR	
-1450	1450 nm SWIR	
-1550	1550 nm SWIR	
-YYY	Colour on demand	

-CCC	Powers
	Base 85 mA per led up to 200
-20	20 mA per led
-40	40 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
-P	Polarizing filter 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
-A	Cable for food industry
-WW3	Supply connection on demand

Not all combinations are available

Part Number Examples:

GEMPC25-6K-OP

Bar light 25cm White 6000K Opaline cover 840Lm 250mA 6W
2 Mt cable 2 Wires

GEMPC18-6K-L25-A

Bar light 18cm White 6000K 25° lens cover 560Lm 4W 2Mt 2P cable
for food industry

GEMPC18-6K-300-L25-A

Bar light 18cm White 6000K 25° lens cover 2100Lm Strobe use
14W 2Mt 3P + logic start cable for food industry

Design & Production
Made in Italy



Genesi LUX®

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

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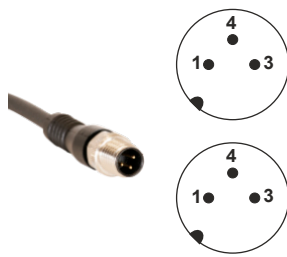


Organization with a
certified ISO 9001:2015
Quality Management System

Rev. 01/26

PIN OUT

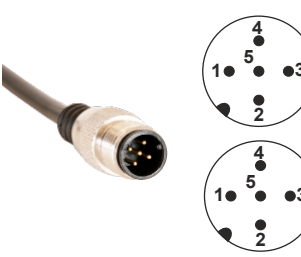
-M8 / -M8S



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

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

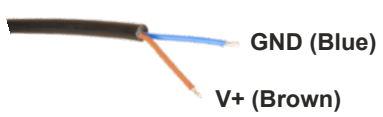
-M12 / -M12S



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

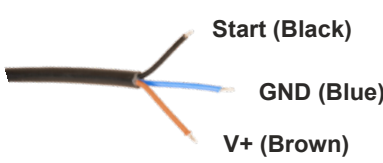
Under 4 A		Over 4 A	
M12S - Male 5 Poles		M12S - Male 5 Poles	
1	+24 V	1	+24 V
2	NC	2	+24 V
3	GND	3	GND
4	Start PNP	4	Start PNP
5	NC	5	GND

-5M / -10M



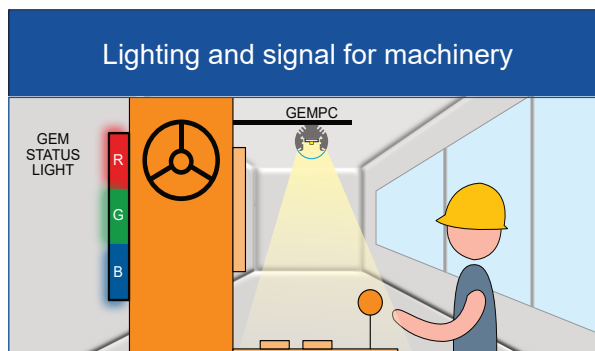
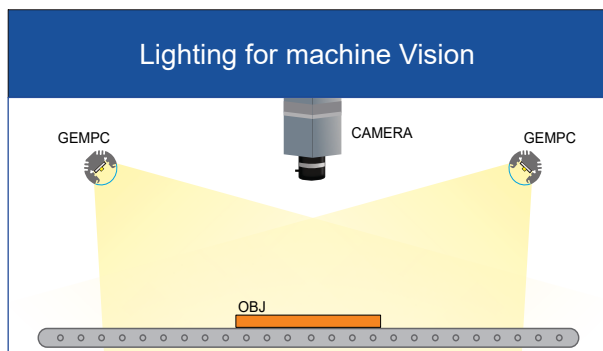
GND (Blue)
V+ (Brown)

-S / -5MS / -10MS

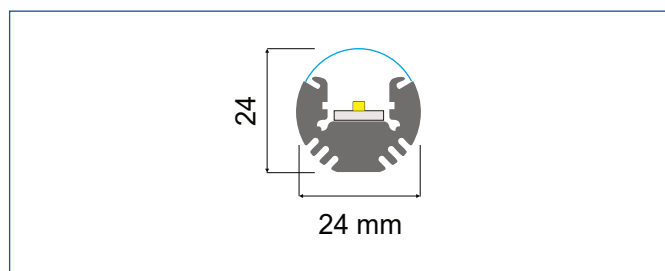


Start (Black)
GND (Blue)
V+ (Brown)

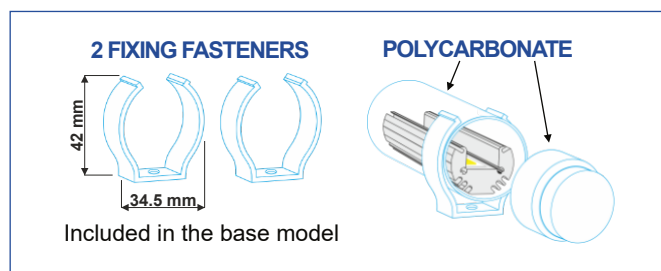
TYPICAL APPLICATIONS



MECHANICAL DRAWING

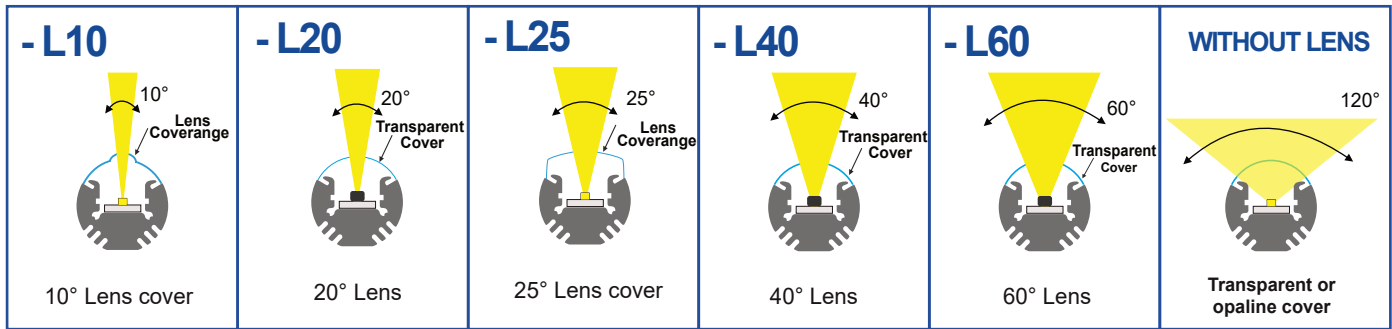


FIXING

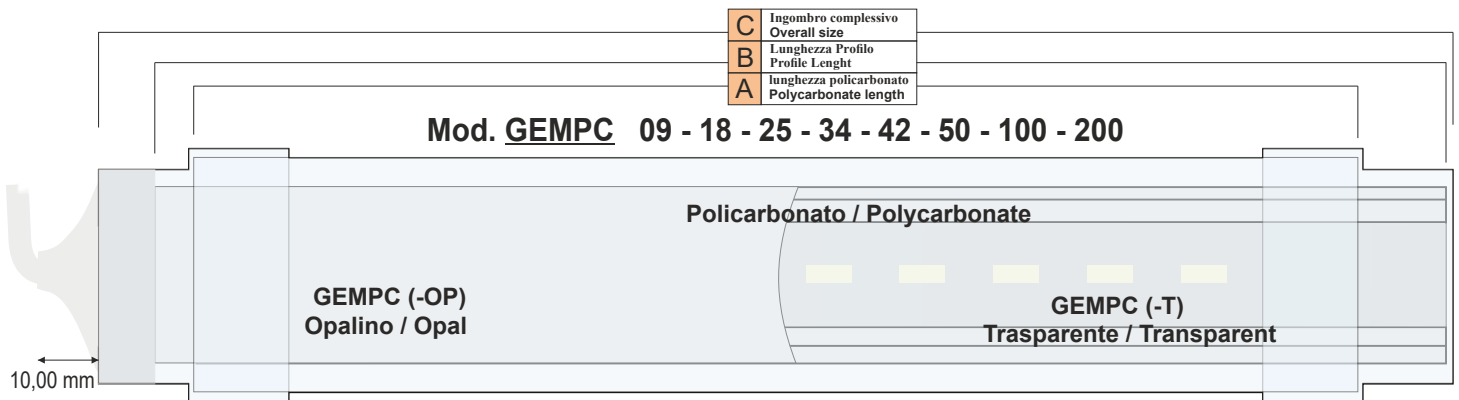


For 3D mechanical drawing requests - info@genesi-lux.it

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
GEMPC09	90	104	112	24/vdc +/- 10%	85 mA	2 W
GEMPC18	177	191	199		170 mA	4 W
GEMPC25	247	261	269		250 mA	6 W
GEMPC34	340	354	362		340 mA	8 W
GEMPC42	420	434	442		425 mA	10,2 W
GEMPC50	498	512	520		520 mA	12 W
GEMPC100	1000	1014	1022		1000 mA	24 W
GEMPC200	2000	2014	2022		2000 mA	48 W

GEMPCXXX from 30 mm to 2000 mm

LIGHT POWER TEST

Transparent



GEMPC50-6K-T	
Working Distance	Power W/m ²
20 cm	TBD
40 cm	TBD
100 cm	TBD

Opaline



GEMPC50-6K-OP	
Working Distance	Power W/m ²
20 cm	TBD
40 cm	TBD
100 cm	TBD

Tailor-Made

Connector	PINS	Function	Description
	1		
	2		
	3		
	4		
	5		

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SAMPLE

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TECHNICAL SPECIFICATIONS

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THE PRICE LIST

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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.



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