



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

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		VISIBLE				NIR			SWIR				
Led Colour	White 6000K -6K	White 4000K -4K	Blue 450nm -450	Green 524nm -524	Red 625nm -625	Deep Red 660nm -660	IR 730nm -730	IR 850nm -850	IR 950nm -950	SWIR 1050nm -1050	SWIR 1200nm -1200	SWIR 1300nm -1300	SWIR 1450nm -1450	SWIR 1550nm -1550

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

Cable extensions for M8 and M12: page 54

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

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

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

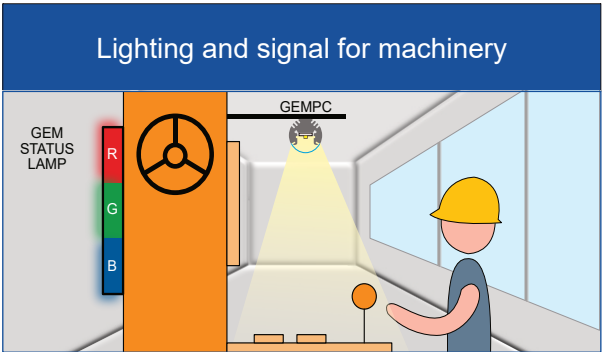
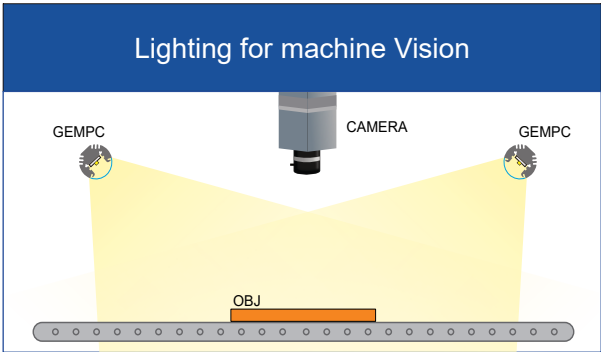
Over 4 A M12 - Male 5 Poles	
1	+24 V
2	+24 V
3	GND
4	NC
5	GND

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

-5M / -10M

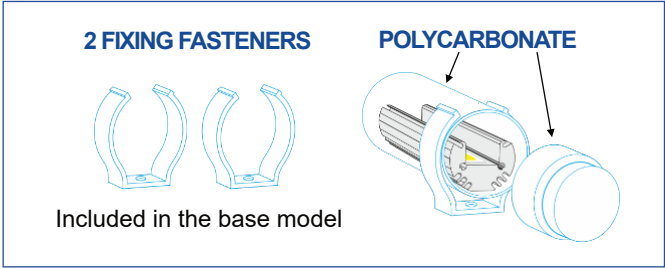
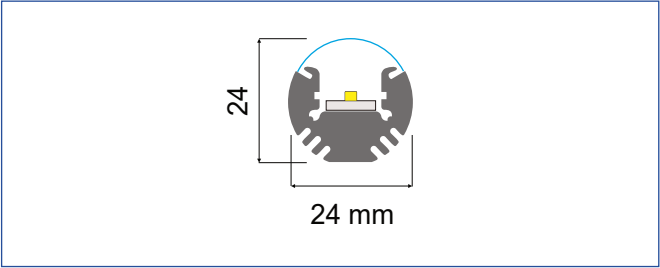
-S / -5MS / -10MS

TYPICAL APPLICATIONS



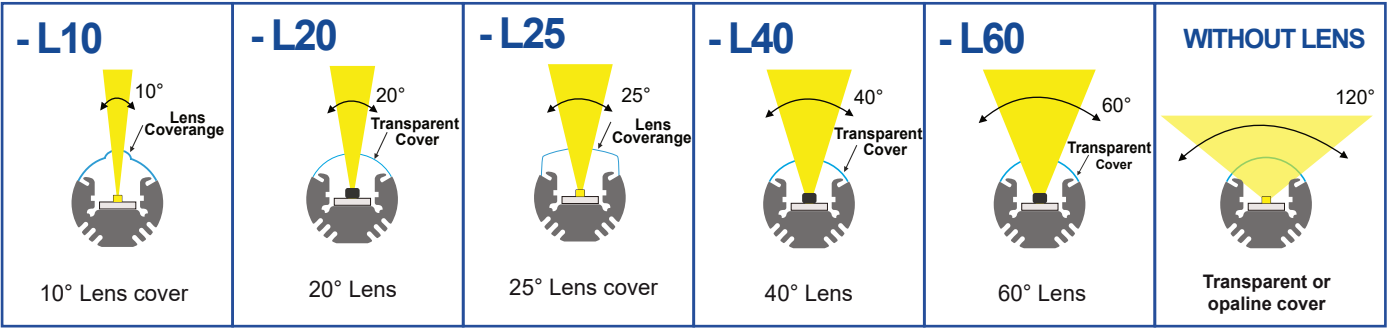
MECHANICAL DRAWING

FIXING

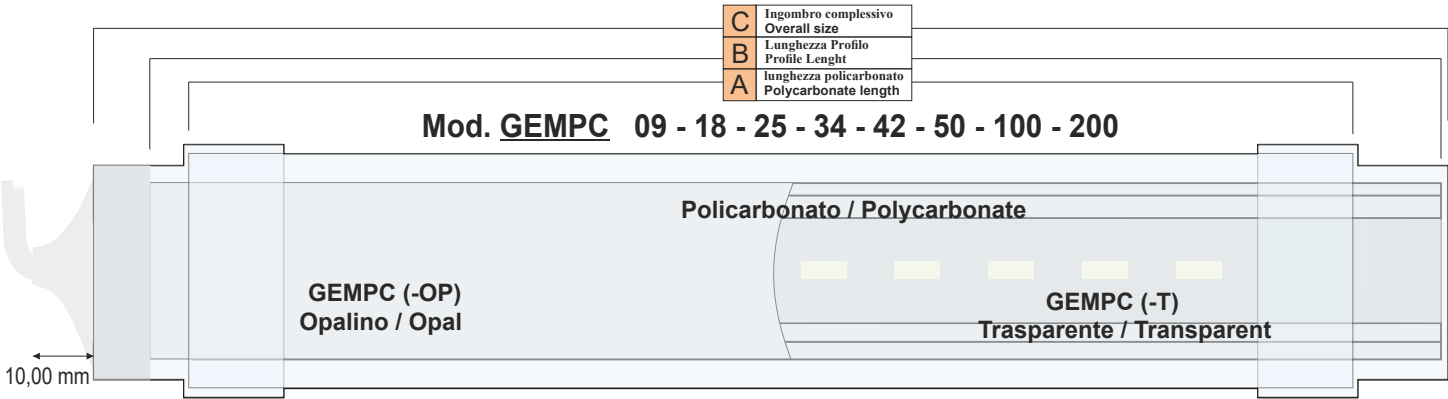


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BEAM ANGLES



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						

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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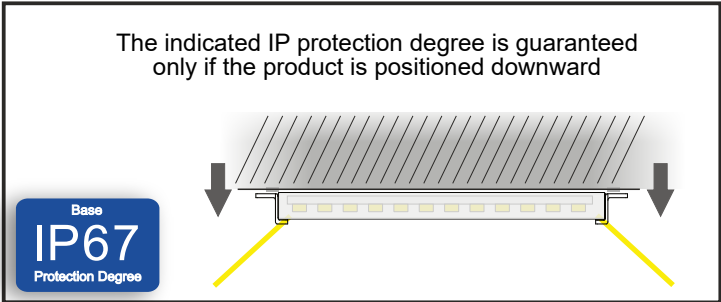
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STANDARDS		
EMC immunity :	EN 61547:2009	
EMC emission :	EN 55015:2019	
Photobiologic risk :	EN 62471:2008 GLS:	
Assessment of lighting equipment related to human exposure to electromagnetic fields	EN 62493:2015	

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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