



**it's cool to be safe**  
*explosion proof solution for the global market*

## EWL

EWL series light fittings are normally used in the chemical and petrochemical plants, off-shore platforms, refineries and any other industry where hazardous atmospheres (gas and combustible dust) are potentially present. The EWL range has been designed to meet the main requirements of illumination of working areas.





## Function

The EWL series are used for the standard illumination of large working areas and the internal LED panel are equipped with reflectors with different angles depending by the height of installation of the light fittings.

The EWL are built with internal housing where is installed the control gear.

An integrated Ex e terminal box provides, through two cable entries, the loop-in loop-out wiring connection.

The light fitting can be installed using different mounting types as described in dedicated section of this catalogue.

The EWL series can be required for different ambient temperature L = -20°C +40°C / 55°C or H = -40°C +40°C / 55°C

## Construction

The materials used to manufacture the EWL series have been studied to grant the maximum protection against the highly corrosive agents present in these industries:

- body and cover in copper-free aluminium
- external epoxy powder coating RAL 7001
- glass window in thermoresistant glass sealed with silicone
- gasket on covers in silicone granting an IP66 protection level
- screw in stainless steel
- control gear integrated inside the main body of light fitting and accessible through a dedicated cover
- safety ring in stainless steel connecting body and window cover to facilitate the maintenance operations on site when cover must be opened
- one cable entry M25x1.5 on two opposite sides of Ex e terminal integrated box to allow a loop-in loop-out installation
- Ex e terminal integrated box to allow a direct installation on pole for "platform type" models.
- all the light fittings are equipped, as standard, with one cable gland and one stopping plugs in polyamide, IECEx/Atex certified.  
Other materials or combinations are available on request
- all the models are provided with dedicated fixing system selected during ordering process following the different combinations available
- the fixing system can be modified also later on, buying the specific fixing kit available on dedicated section of this catalogue

Special attention has been dedicated to reduce the heating: the external back-side of housing is fully provided with cooling ribs to facilitate the heat outflow.

## Protection

certificate number:	IECEX CML 17.0097X	CML 17 ATEX 1182X
marking:	Ⓜ II 2GD Ex db eb IIC T5 / T4 Gb	Ex tb IIIC T95°C / T130°C Db
ambient temperature:	-20°C +40°C / +55°C	-40°C +40°C / +55°C
degree of protection:	IP66	
conformity:	Directive ATEX 2014/34/EU	
standards:	IEC60079-0 / IEC60079-1 / IEC60079-7 / IEC60079-28 / IEC60079-31	
	EN60079-0 / EN60079-1 / EN60079-7 / EN 60079-28 / EN60079-31	
category:	suitable for Zone 1 – 2 (gas) and Zone 21 – 22 (dust)	



## EWL

EWL series are divided into four categories A, B, C, D indicating the luminous angles of LED reflector mounted inside.

Each angle has to be selected considering the height where the light fittings will be installed.

Please follow the below table to select the right model matching your installation requirements.

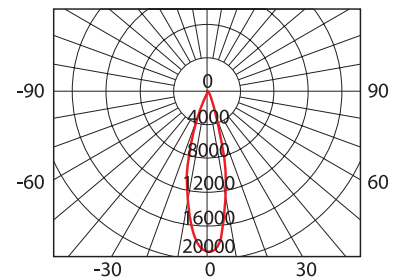
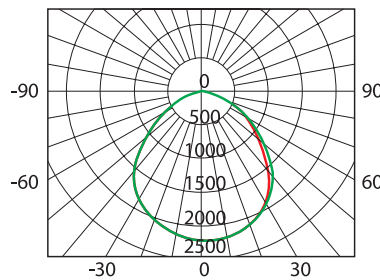
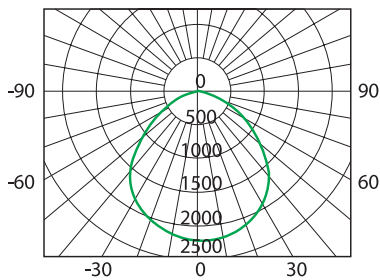
On ordering process is requested to indicate the ambient temperature range.

The temperature below zero has to be selected with a code as per table present on "ordering code" section.



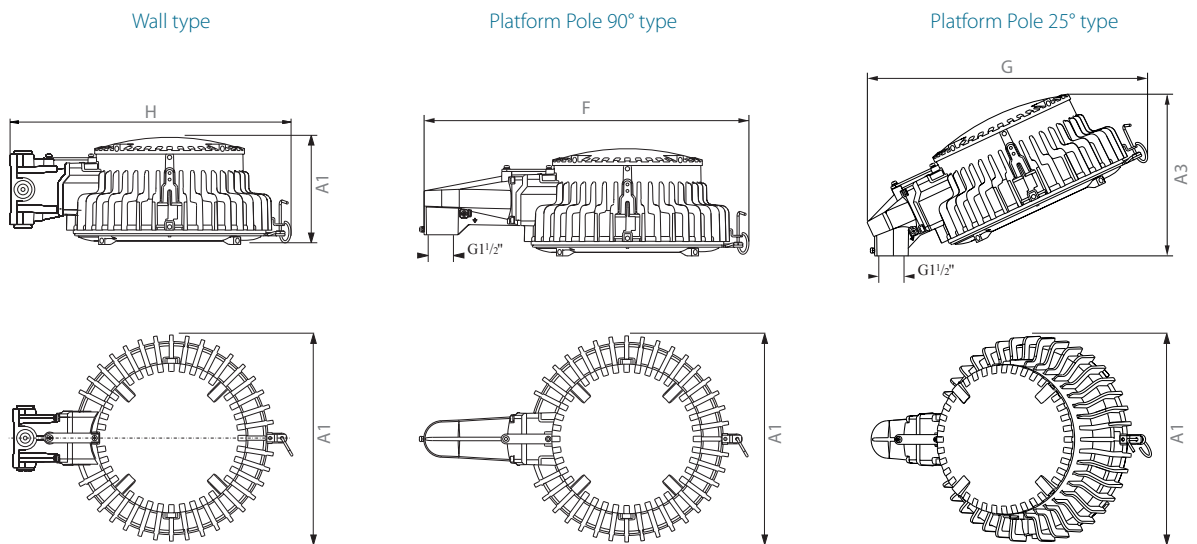
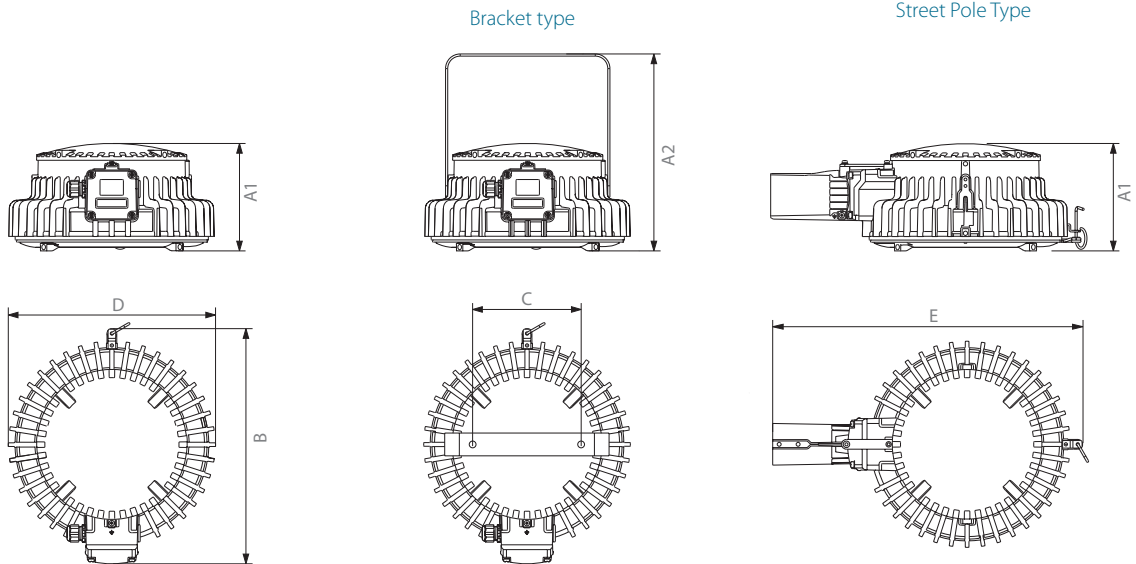
Code	Power	Angle of Luminous	Height	Ta <40° C	Ta <55° C	bracket	street pole	wall	pole 25°	pole 90°
EWL90 A	90	120°	≤ 5m	T5	T4	B	S	W	P	T
EWL120 A	120	120°	≤ 5m	T5	T4	B	S	W	P	T
EWL160 A	160	120°	≤ 5m	T5	T4	B	S	W	P	T
EWL90 B	90	60°	6 - 8m	T5	T4	B	S	W	P	T
EWL120 B	120	60°	6 - 8m	T5	T4	B	S	W	P	T
EWL160 B	160	60°	6 - 8m	T5	T4	B	S	W	P	T
EWL90 C	90	85° x 135°	8 - 10m	T5	T4	B	S	W	P	T
EWL120 C	120	85° x 135°	8 - 10m	T5	T4	B	S	W	P	T
EWL160 C	160	85° x 135°	8 - 10m	T5	T4	B	S	W	P	T
EWL90 D	90	40°	8 - 12m	T5	T4	B	S	W	P	T
EWL120 D	120	40°	8 - 12m	T5	T4	B	S	W	P	T
EWL160 D	160	40°	8 - 12m	T5	T4	B	S </td <td>W</td> <td>P</td> <td>T</td>	W	P	T

## Polar Diagrams

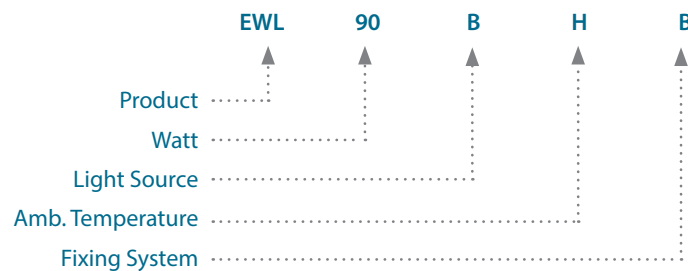


## Outline and Installation dimensions

overall dimensions										
code	A1	A2	A3	B	C	ØD	E	F	G	H
EWL	198	363	299	433	200	381	573	595	518	505



### Ordering code example:



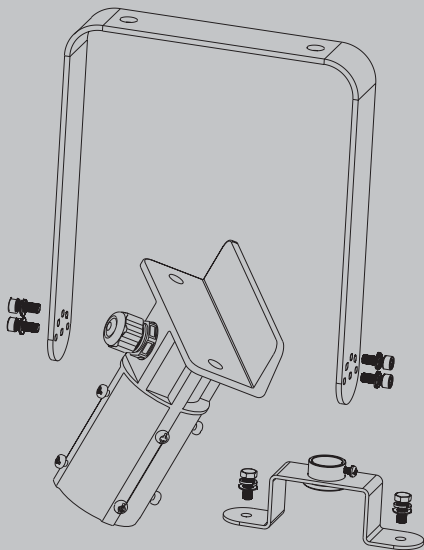
Ambient Temperature Code Selection	
L	-20°C
H	-40°C



## ACCESSORIES AND SPARE PARTS EVA - EVB - EWA - EWB - EWL - FL - FLL - FLP

Mounting and Electrical accessories are available on request.

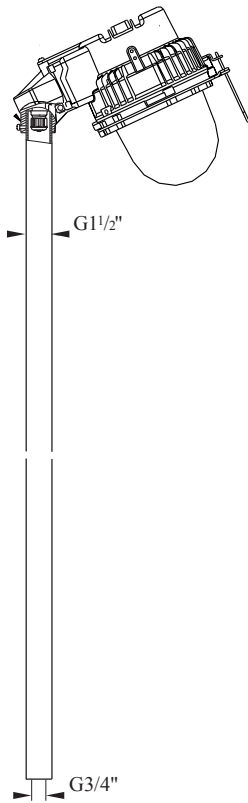
They have been divided into categories with a cross-reference table to recognize the models of Light Fittings where they can be used.



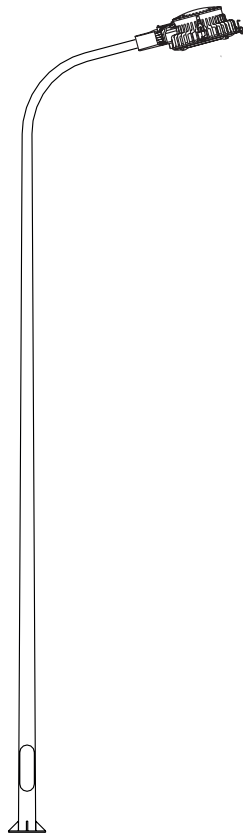
Code	Description	Material	EVA	EVAL	EVB	EVBL	EWA	EWB	EWL	FL	FLL	FLP	FLDE	Image
ULS 22G	Chain Support Set for Ceiling Mounting	G	X	X	X	X	X	X						
ULS 22S	Chain Support Set for Ceiling Mounting	S	X	X	X	X	X	X						
ULS 23G	Pendant Support Set for Ceiling Mounting	G	X	X			X							
ULS 23S	Pendant Support Set for Ceiling Mounting	S	X	X			X							
ULS 24G	Pendant Support Set for Ceiling Mounting	G			X	X		X						
ULS 24S	Pendant Support Set for Ceiling Mounting	S			X	X		X						
ULS 25G	Pipe Ø 3/4" - Lenght mtrs. 1,0 for Pendant Support Set	G	X	X	X	X	X	X						
ULS 25S	Pipe Ø 3/4" - Lenght mtrs. 1,0 for Pendant Support Set	S	X	X	X	X	X	X						
ULS 26G	Rigid Support Set for Ceiling Mounting / Pole Connection	G	X	X			X							
ULS 26S	Rigid Support Set for Ceiling Mounting / Pole Connection	S	X	X			X							
ULS 27G	Rigid Support Set for Ceiling Mounting / Pole Connection	G			X	X		X						
ULS 27S	Rigid Support Set for Ceiling Mounting / Pole Connection	S			X	X		X						
ULS 28G	U-Bolt Ø 1"1/2 for Rigid Support Set Pole Connection	G					X	X						
ULS 28S	U-Bolt Ø 1"1/2 for Rigid Support Set Pole Connection	S					X	X						
ULS 29G	Multi-Angle Bracket Support Set	G	X	X			X							
ULS 29S	Multi-Angle Bracket Support Set	S	X	X			X							
ULS 30G	Multi-Angle Bracket Support Set	G			X	X		X						
ULS 30S	Multi-Angle Bracket Support Set	S			X	X		X						
ULS 31G	Multi-Angle Bracket Support Set	G							X					
ULS 31S	Multi-Angle Bracket Support Set	S							X					
ULS 32G	Multi-Angle Bracket Support Set	G										X		
ULS 32S	Multi-Angle Bracket Support Set	S										X		
ULS 33G	Chain Support Set for Wall Mounting	G								X	X			
ULS 33S	Chain Support Set for Wall Mounting	S								X	X			
ULS 34G	Connection Set for Bracket Support to Pole Ø 2"	G								X	X		X	
ULS 34S	Connection Set for Bracket Support to Pole Ø 2"	S								X	X		X	



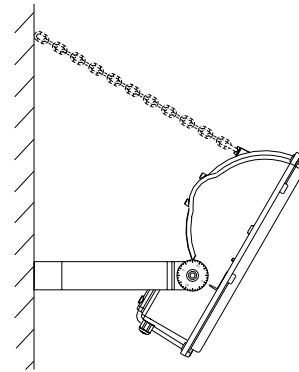
Code	Description	Material	EVA	EVAL	EVB	EVBL	EWA	EWB	EWL	FL	FLL	FLP	FLDE	Image
ULS 35	Pole 1"1/2 - Height mtrs. 2,5 - Fence Type	G	X	X	X	X			X					
ULS 36	Pole 1"1/2 - Height mtrs. 2,5 - Flange Type	G	X	X	X	X			X					
ULS 37	POLE 2" - Height mtrs. 6 - Flange Type Single Arm	G					X	X	X				X	
ULS 38	POLE 2" - Height mtrs. 8 - Flange Type Single Arm	G					X	X	X				X	
ULS 39	POLE 2" - Height mtrs. 10 - Flange Type Single Arm	G					X	X	X				X	
ULS 40	POLE 2" - Height mtrs. 12 - Flange Type Single Arm	G					X	X	X				X	
ULS 41	POLE 2" - Height mtrs. 15 - Flange Type Single Arm	G					X	X	X				X	
ULS 42	POLE 2" - Height mtrs. 6 - Flange Type Double Arms	G					X	X	X				X	
ULS 43	POLE 2" - Height mtrs. 8 - Flange Type Double Arms	G					X	X	X				X	
ULS 44	POLE 2" - Height mtrs. 10 - Flange Type Double Arms	G					X	X	X				X	
ULS 45	POLE 2" - Height mtrs. 12 - Flange Type Double Arms	G					X	X	X				X	
ULS 46	POLE 2" - Height mtrs. 15 - Flange Type Double Arms	G					X	X	X				X	



**Pole**  
Fence mounting  
ULS 35



**Pole**  
Basement mounting  
ULS 38



**Chain**

code: ULS 33

Used to support the Floodlight adding the accessory to Bracket models FL and FLL series



**Chain**

code : ULS 22

Used for ceiling mounting adding the accessory to "basic ceiling" model of EV-EW series