



CLASSIFIED AREAS

PRODUCT CATALOG

2024



ABOUT WETZEL

Founded in 1932 in Joinville (SC), **Wetzel** is a reference in the segments in which it operates, meeting specific demands with high demand.

The company currently has more than 45,000 m² of area and has over 1,300 employees. It offers a diversified portfolio for those who need innovative and competitive solutions.

By working in partnership with its clients, it helps identify business opportunities and develops products that meet project needs and exceed expectations.

It is a dynamic organization in continuous transformation and expansion, with consolidated performance in the Brazilian market and abroad.

BUSINESS UNITS

COMPONENTS
FOR FACILITIES FOR
ELECTRICAL INDUSTRIAL

LIGHTING
COMPONENTS
INDUSTRIAL LED

AUTOMOTIVE
COMPONENTS IN
ALUMINUM AND IRON



In the **industrial lighting** segment, **Wetzal** is always remembered in the market for its quality, durability and efficiency. With almost 50 years of experience in the lighting market, it occupies a prominent national position and always follows the evolution of light source technologies.

Therefore, it established a specific business segment:

Wetzal EX. This segment that was born with expertise in the development of robust cast aluminum light fixtures for industrial environments. In order to provide innovative and competitive solutions, **Wetzal EX** has a trained and qualified team to develop modern and efficient products, following the high requirements of the industrial market, to meet the needs of projects and exceed customer expectations.



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CONCEPTS

The presence of explosive and/or potentially explosive atmospheres is very common in the most diverse segments of industry, be it petrochemical, mining, pharmaceutical and many other sectors.

The management and control of these atmospheres is essential to maintaining the safety of these facilities and includes the use of equipment designed for use in classified areas, static control, adequate ventilation, isolation of hazardous areas, and training of personnel.

In order to guarantee the safety of these installations, it is therefore essential that the equipment is used in accordance with the classification of the areas and the flammable gases and/or dusts present in these environments.

In order to properly specify these products, it is necessary to understand some basic concepts, which are described below:

EXPLOSIVE ATMOSPHERES

Explosive atmospheres, also known as hazardous areas, are environments in which the mixture of flammable substances, such as gases, vapors, dusts, or fibers, with oxygen in the air reaches a certain concentration and can be ignited by an ignition source. These atmospheres can be extremely hazardous because ignition of the flammable materials in them can cause explosions or violent fires.

For an atmosphere to be considered explosive, three key elements must be present at the same time:

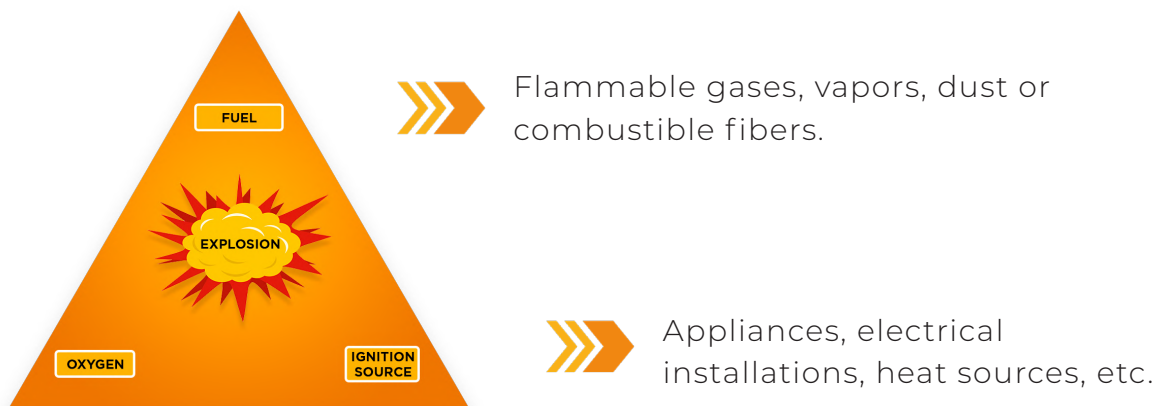
FLAMMABLE SUBSTANCE: There must be a substance or mixture of flammable substances present in the environment, such as gases, vapors, dusts or fibers.

AIR OXYGEN: Atmospheric oxygen must be present in an adequate amount to sustain combustion.

IGNITION SOURCE: An ignition source, such as electrical sparks, open flames, heat, friction, or static discharges, must be present to initiate combustion.

CONCEPTS

The expression “fire triangle” (image below) is used to illustrate the presence of these three elements for the occurrence of combustion.



It is important to note that the absence and/or extinction of any of these elements will result in the extinction of the fire.

CLASSIFIED AREAS

The classification of areas is critical to safety as it helps to identify and control the risks associated with explosive atmospheres. In Brazil, the classification of areas is done according to the international standard IEC 60079, which defines criteria for the classification of hazardous areas.

Classified areas are divided into different zones or classes, based on the probability and frequency of occurrence of an explosive atmosphere. The most common areas are:

ZONE 0 (Gas): Area where the presence of an explosive gas atmosphere is constant, persistent or for long periods of time.

ZONE 1 (Gas): Area where the presence of an explosive gas atmosphere is likely to occur under normal operating conditions.

ZONE 2 (Gas): Area where the presence of an explosive gas atmosphere is unlikely to occur under normal operating conditions, but if it does, it will be for a short period of time.

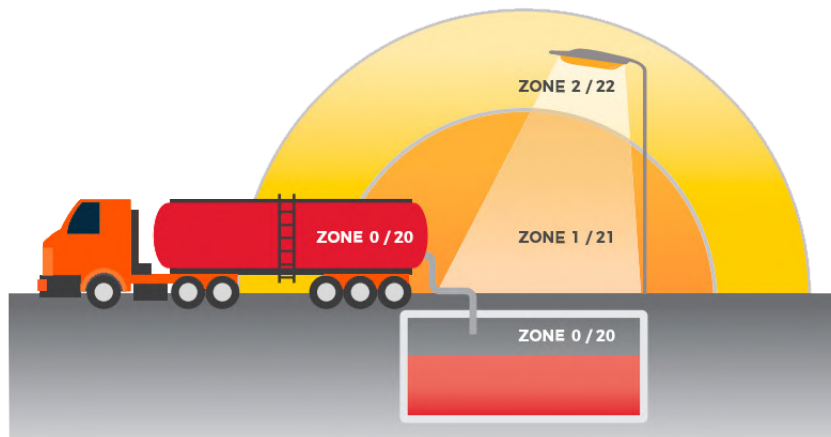
ZONE 20 (Dust): Area where the presence of an explosive dust atmosphere is constant, persistent or for long periods of time.

CONCEPTS



ZONE 21 (Dust): Area where the presence of an explosive dust atmosphere is likely to occur under normal operating conditions

ZONE 22 (Dust): Area where the presence of an explosive dust atmosphere is unlikely to occur under normal operating conditions, but if it does, it will be for a short period of time.



For correct signaling, the classified areas are identified with the marking “EX”, as shown below:



MATERIAL SPECIFICATION

For the correct specification of products, in addition to the classification of areas already described above, it is necessary to know the type of flammable substance present in the environment.

This is because each combustible gas and dust has its own ignition temperature, which determines the operating limits of the equipment in these locations, as well as the group of flammable gases or combustible dusts to which it belongs.



CONCEPTS

Therefore, during normal operation and under anticipated environmental conditions, equipment installed in classified areas will not heat up to the point where an explosive atmosphere can be ignited. The classes of tempered gases and maximum surface temperatures for “EX” equipment are listed in the table below:

TEMPERATURE CLASS	IGNITION TEMPERATURE OF FLAMMABLE GASES (°C)	MAXIMUM SURFACE TEMPERATURE OF “EX” EQUIPMENT (°C)	PERMITTED TEMPERATURE CLASS OF “EX” EQUIPMENT
T1	$T \geq 450$	400	T1 - T6
T2	$300 \leq T \leq 450$	300	T2 - T6
T3	$200 \leq T < 300$	200	T3 - T6
T4	$135 \leq T < 200$	135	T4 - T6
T5	$100 \leq T < 135$	100	T5 - T6
T6	$85 \leq T < 100$	85	T6

In this way, the specification of the appropriate equipment must be carried out taking into account the classification of the area, the gas and dust present in the place, taking into account its temperature class characteristics.

ZONE	GROUP	PROTECTION LEVEL PROVIDED BY “EX” EQUIPMENT
0	Flammable gases IIA, IIB and IIC	Ga - Very high
1		Gb - High
2		Gc - Increased
20	Combustible dusts IIIA, IIIB and IIIC	Da - Very high
21		Db - High
22		Dc - Increased

It is important to note that among the essential equipment for these environments, the Wetzel EX stands out. In addition to offering a wide range of products for lighting and cable management systems, the company has a solid reputation in the market for developing and marketing products certified by internationally recognized bodies. This reinforces Wetzel EX’s commitment to the quality and responsibility for which the brand is already known.

When you choose Wetzel EX products, you can be confident that they meet the stringent safety and quality requirements for use in hazardous environments, helping to protect equipment and keep operators safe.



PROTECTION RATING

The IP degree of protection (ABNT NBR IEC 60529 standard) of electrical equipment includes the design measures applied to the enclosure of the equipment to ensure protection against the ingress of dust and liquids inside. The information consists of two digits, where the first digit refers to the entry of solid objects or dust and the second digit refers to the entry of liquids inside.

THE CODE THAT DEFINES THE **IP DEGREE OF PROTECTION** IT CONSISTS OF **2 DIGITS**.



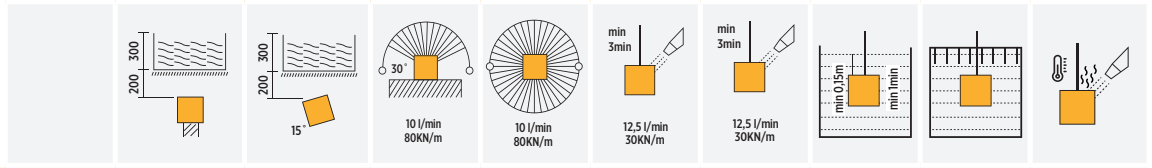
Note: In the industry, understanding the degree of protection becomes fundamental, as certain existing processes can result in an extremely aggressive environment (with the presence of moisture/dust). Thus, the correct specification of equipment that provides the appropriate degree of protection will result in their proper functioning and increased service life.



CONCEPTS

SECOND DIGIT - DEGREE OF PROTECTION AGAINST LIQUIDS

Not protected	Protected against vertical drops of water	Protected against vertical drops of water up to a maximum slope of 15 degrees	Protected against water sprayed at an angle of ± 60 degrees	Protected against water projections	Protected against water jets	Protected against powerful water jets	Protected against temporary immersion	Protected against submersion	Protected against water jets with high pressure and temperature.
0	1	2	3	4	5	6	7	8	9

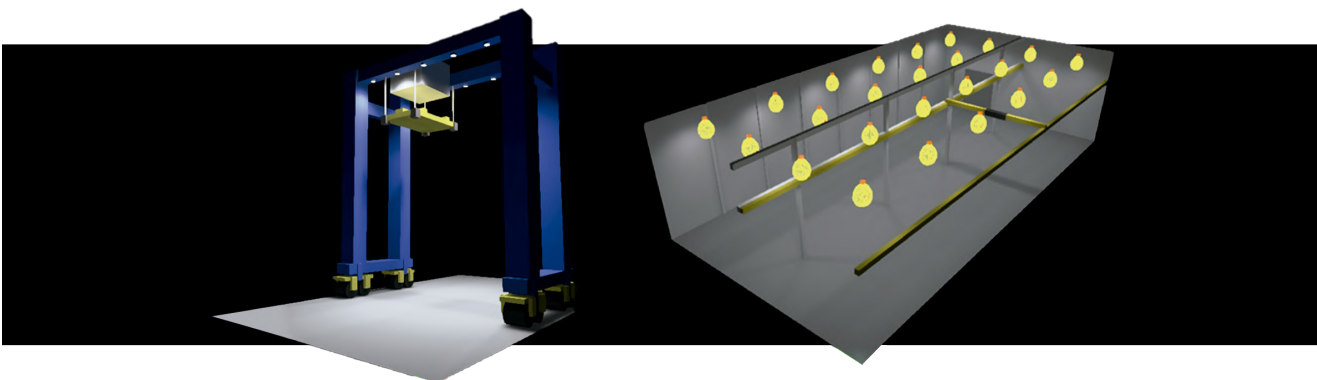


FIRST DIGIT - DEGREE OF PROTECTION AGAINST SOLIDS

Not protected	0	IP00	IP01	IP02															
Protected against solid objects with \varnothing greater than 50mm	1	IP10	IP11	IP12															
Protected against solid objects with \varnothing greater than 12mm	2	IP20	IP21	IP22	IP23														
Protected against solid objects with \varnothing greater than 2.5mm	3	IP30	IP31	IP32	IP33	IP34													
Protected against solid objects with \varnothing greater than 1mm	4	IP40	IP41	IP42	IP43	IP44	IP45	IP46											
Protected against dust: 200mm water column Maximum air aspiration: 80 times the volume of the enclosure	5						IP54	IP55	IP56										
Fully protected against dust. Same test procedure	6							IP65	IP66	IP67	IP68	IP69							

LIGHTING PROJECT

The lighting project ensures that the entire installation of EX light fixtures is carried out through specialized analysis, generating more savings in electricity consumption and installation costs, using a model and number of ideal light fixtures for each type of application, avoiding excess or lack of light, improving efficiency in operation and making the illuminated environment more productive and safe to perform the work. Wetzel has professionals specialized in lighting for internal and external service, assisting in doubts, product specification and in carrying out projects that meet the needs of each company.



ADVANTAGES OF A TECHNICAL LIGHTING PROJECT



**SAVINGS ON
INSTALLATION**



**SAFER
ENVIRONMENTS**



**EFFICIENCY
ENERGETICS**

REQUEST YOUR PROJECT BY EMAIL: COMERCIAL@WETZELLED.COM.BR



INDUSTRIAL LIGHT FIXTURE

EXML 18.000 - 14.000



AVAILABLE COLORS:

GRAY



MODEL **PENDANT**

- Light Fixture for **classified areas**
- **Aluminium** body **WETZEL LOW COPPER®**
- **Electrostatic** powder coating
- Tempered glass **display**.



MODELO **90° SCENCE**



MODEL **PROJECTOR**

TECHNICAL CHARACTERISTICS

PROTECTION	EX db (op is) - EX tb (op is)
ZONES	1 and 2 - 21 and 22
GROUPS	IIB - IIIC
EPL	Gb - Db
TEMPERATURE CLASS	T4 - T135°C
STANDARDS	ABNT NBR IEC 60079-0, 60079-1, 60079-28 and 60079-31
MARKING	EX db op is IIB T4 Gb IP66 EX op is tb IIIC T135°C Db IP66

INDUSTRIAL LIGHT FIXTURE EXML 18.000

Technical Characteristics



**DRIVER IN
CONSTANT
CURRENT**



WEIGHT:
8.300g



**48 HIGH
POWER
LEDs**



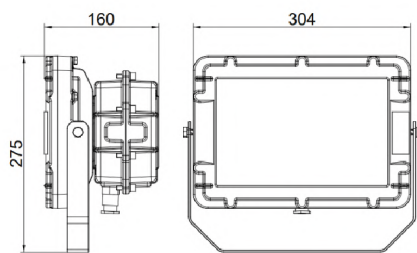
POWER:
160 W $\pm 10\%$



**LED LIFESPAN
(L70):**
50.000h

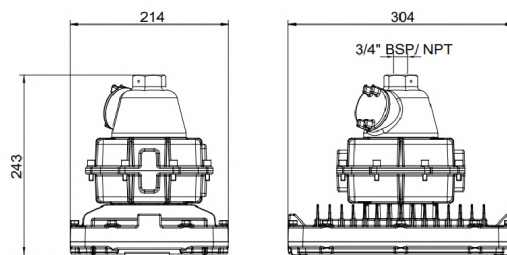
LIGHT FIXTURE LUMINOUS POWER	18.513 lm $\pm 10\%$	OPERATING VOLTAGE	198~242 V
LED FLUX	25.480 lm $\pm 10\%$	INPUT FREQUENCY	50/60 Hz
EFFICIENCY	114 lm/W	INPUT CURRENT	774 mA $\pm 10\%$
COLOR TEMPERATURE	5000 K	POWER FACTOR	0,98
LIGHT OPENING ANGLE	60°/90° E 120°	PROTECTION RATING	IP66
COLOR RENDERING INDEX (Ra)	70	APPLICATION TEMPERATURE	-30 A 50°C
COLOR RENDERING INDEX (Ri)	65	SURGE SUPPRESSOR (8/20 μ s)	6 kA

MODEL PROJECTOR



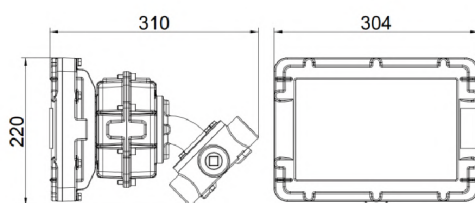
Unit of measurement (mm)

MODEL PENDANT



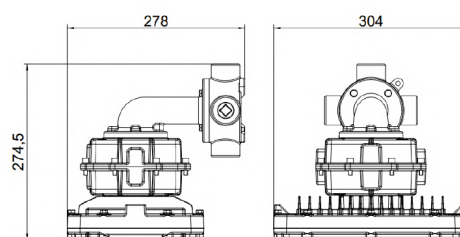
Unit of measurement (mm)

MODEL 45° SCONCE



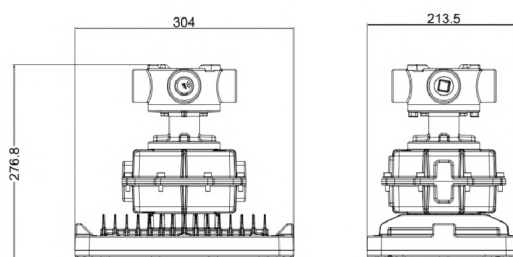
Unit of measurement (mm)

MODEL 90° SCONCE



Unit of measurement (mm)

MODEL CEILING



Unit of measurement (mm)

INDUSTRIAL LIGHT FIXTURE

EXML 18.000



MODEL PROJECTOR

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101203	EXML-50/160 PROJETOR 160W/60° C/ ALOJ. 220V	220V	160W	-	18.513 lm
E008101204	EXML-50/160 PROJETOR 160W/90° C/ ALOJ. 220V	220V	160W	-	18.513 lm
E008101250	EXML-50/160 PROJETOR 160W/120° C/ ALOJ. 220V	220V	160W	-	18.513 lm



MODEL PENDANT

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101210	EXML-51/160 PEND. BSP 160W/60° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101231	EXML-55/160 PEND. NPT 160W/60° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm
E008101211	EXML-51/160 PEND. BSP 160W/90° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101232	EXML-55/160 PEND. NPT 160W/90° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm
E008101252	EXML-51/160 PEND. BSP 160W/120° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101258	EXML-55/160 PEND. NPT 160W/120° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm



MODEL 45° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101217	EXML-52/160 ARAND. 45° BSP 160W/60° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101238	EXML-56/160 ARAND. 45° NPT 160W/60° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm
E008101218	EXML-52/160 ARAND. 45° BSP 160W/90° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101239	EXML-56/160 ARAND. 45° NPT 160W/90° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm
E008101254	EXML-52/160 ARAND. 45° BSP 160W/120° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101260	EXML-56/160 ARAND. 45° NPT 160W/120° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm



MODEL 90° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101224	EXML-53/160 ARAND. 90° BSP 160W/60° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101245	EXML-57/160 ARAND. 90° NPT 160W/60° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm
E008101225	EXML-53/160 ARAND. 90° BSP 160W/90° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101246	EXML-57/160 ARAND. 90° NPT 160W/90° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm
E008101256	EXML-53/160 ARAND. 90° BSP 160W/120° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101262	EXML-57/160 ARAND. 90° NPT 160W/120° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm



MODEL CEILING LIGHT

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101282	EXML-54/160 PLAF. BSP 160W/60° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101301	EXML-58/160 PLAF. NPT 160W/60° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm
E008101283	EXML-54/160 PLAF. BSP 160W/90° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101302	EXML-58/160 PLAF. NPT 160W/90° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm
E008101284	EXML-54/160 PLAF. NPT 160W/120° C/ ALOJ. 220V	220V	160W	BSP	18.513 lm
E008101303	EXML-58/160 PLAF. NPT 160W/120° C/ ALOJ. 220V	220V	160W	NPT	18.513 lm

INDUSTRIAL LIGHT FIXTURE EXML 14.000

Technical Characteristics

 **DRIVER IN CONSTANT CURRENT**

 **WEIGHT:**
8.300g

 **36 HIGH POWER LEDs**

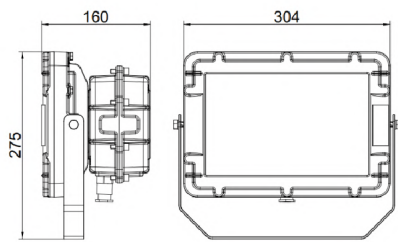
 **POWER:**
120 W $\pm 10\%$

 **LED LIFESPAN (L70):**
50.000h

LIGHT FIXTURE LUMINOUS POWER	13.680 lm $\pm 10\%$
LED FLUX	15.480 lm $\pm 10\%$
EFFICIENCY	114 lm/W
COLOR TEMPERATURE	5000 K
LIGHT OPENING ANGLE	60°/90° AND 120°
COLOR RENDERING INDEX (Ra)	70
COLOR RENDERING INDEX (Ri)	65

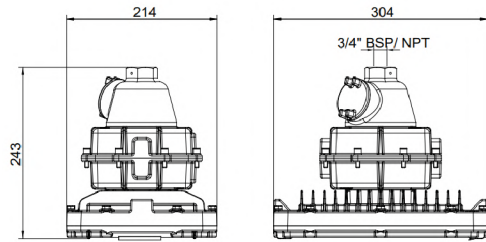
OPERATING VOLTAGE	198~242 V
INPUT FREQUENCY	50/60 Hz
INPUT CURRENT	545 mA $\pm 10\%$
POWER FACTOR	0,98
PROTECTION RATING	IP66
APPLICATION TEMPERATURE	-30 A 50°C
SURGE SUPPRESSOR (8/20 μ s)	6 kA

MODEL PROJECTOR



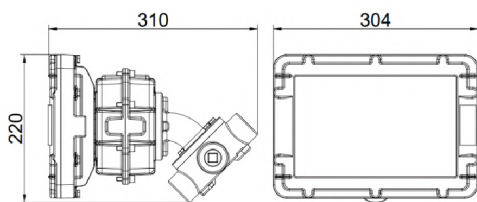
Unit of measurement (mm)

MODEL PENDANT



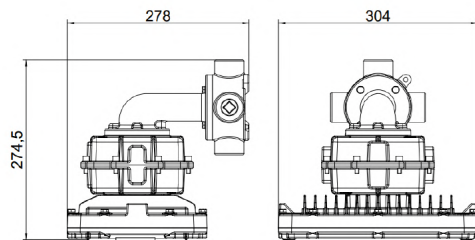
Unit of measurement (mm)

MODEL 45° SCONCE



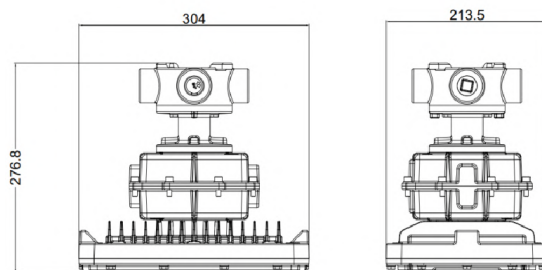
Unit of measurement (mm)

MODEL 90° SCONCE



Unit of measurement (mm)

MODEL CEILING



Unit of measurement (mm)

INDUSTRIAL LIGHT FIXTURE

EXML 14.000



MODEL PROJECTOR

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101263	EXML-50/120 PROJETOR 120W/60° C/ ALOJ. 220V	220V	120W	-	13.680 lm
E008101264	EXML-50/120 PROJETOR 120W/90° C/ ALOJ. 220V	220V	120W	-	13.680 lm
E008101265	EXML-50/120 PROJETOR 120W/120° C/ ALOJ. 220V	220V	120W	-	13.680 lm



MODEL PENDANT

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101266	EXML-51/120 PEND. BSP 120W/60° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101285	EXML-55/120 PEND. NPT 120W/60° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm
E008101267	EXML-51/120 PEND. BSP 120W/90° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101286	EXML-55/120 PEND. NPT 120W/90° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm
E008101268	EXML-51/120 PEND. BSP 120W/120° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101287	EXML-55/120 PEND. NPT 120W/120° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm



MODEL 45° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101269	EXML-52/120 ARAND. 45° BSP 120W/60° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101288	EXML-56/120 ARAND. 45° NPT 120W/60° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm
E008101270	EXML-52/120 ARAND. 45° BSP 120W/90° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101289	EXML-56/120 ARAND. 45° NPT 120W/90° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm
E008101271	EXML-52/120 ARAND. 45° BSP 120W/120° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101290	EXML-56/120 ARAND. 45° NPT 120W/120° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm



MODEL 90° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101272	EXML-53/120 ARAND. 90° BSP 120W/60° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101291	EXML-57/120 ARAND. 90° NPT 120W/60° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm
E008101273	EXML-53/120 ARAND. 90° BSP 120W/90° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101292	EXML-57/120 ARAND. 90° NPT 120W/90° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm
E008101274	EXML-53/120 ARAND. 90° BSP 120W/120° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101293	EXML-57/120 ARAND. 90° NPT 120W/120° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm



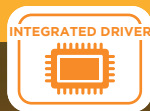
MODEL CEILING LIGHT

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101279	EXML-54/120 PLAF. BSP 120W/60° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101298	EXML-58/120 PLAF. NPT 120W/60° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm
E008101280	EXML-54/120 PLAF. BSP 120W/90° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101299	EXML-58/120 PLAF. NPT 120W/90° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm
E008101281	EXML-54/120 PLAF. NPT 120W/120° C/ ALOJ. 220V	220V	120W	BSP	13.680 lm
E008101300	EXML-58/120 PLAF. NPT 120W/120° C/ ALOJ. 220V	220V	120W	NPT	13.680 lm



INDUSTRIAL LIGHT FIXTURE

EXML 10.000 - 8.000



AVAILABLE COLORS:

GRAY



MODEL **PENDANT**

- Light Fixture for **classified areas**
- **Aluminium** body **WETZEL LOW COPPER®**
- **Electrostatic** powder coating
- **Tempered glass** display.



MODEL **90° SCENCE**



MODEL **PROJECTOR**

TECHNICAL CHARACTERISTICS

PROTECTION	EX db (op is) - EX tb (op is)
ZONES	1 e 2 - 21 e 22
GROUPS	IIB - IIIC
EPL	Gb - Db
TEMPERATURE CLASS	T4 - T135°C
STANDARDS	ABNT NBR IEC 60079-0, 60079-1, 60079-28 and 60079-31
MARKING	EX db op is IIB T4 Gb IP66 EX op is tb IIIC T135°C Db IP66

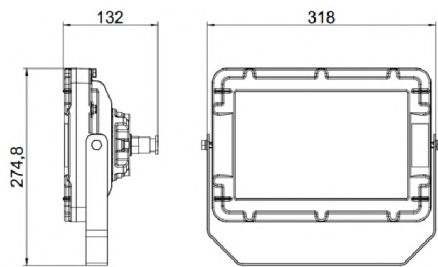
INDUSTRIAL LIGHT FIXTURE EXML 10.000

Technical Characteristics



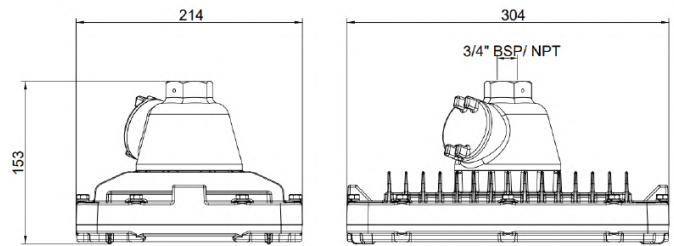
LIGHT FIXTURE LUMINOUS POWER	9.414 lm±15%	OPERATING VOLTAGE	198~242 V
LED FLUX	11.760 lm ±15%	INPUT FREQUENCY	50/60 Hz
EFFICIENCY	97 lm/W	INPUT CURRENT	500 mA
COLOR TEMPERATURE	5000 K	POWER FACTOR	0,93
LIGHT OPENING ANGLE	60°/90° E 120°	PROTECTION RATING	IP66
COLOR RENDERING INDEX (Ra)	75	APPLICATION TEMPERATURE	-30 a 50°C
COLOR RENDERING INDEX (Ri)	65	SURGE SUPPRESSOR (8/20 μs)	6 kA

MODEL PROJECTOR



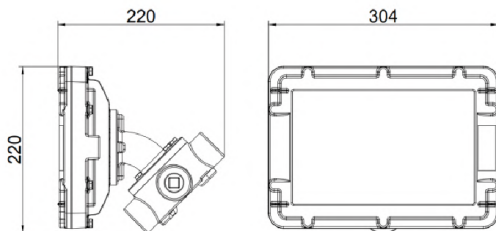
Unit of measurement (mm)

MODEL PENDANT



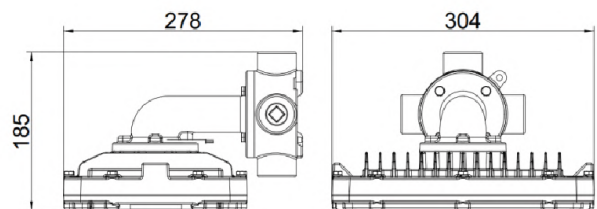
Unit of measurement (mm)

MODEL 45° SCONCE



Unit of measurement (mm)

MODEL 90° SCONCE



Unit of measurement (mm)

INDUSTRIAL LIGHT FIXTURE

EXML 10.000



MODEL PROJECTOR

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101201	EXML-50/100 PROJOTOR 100W/60° 220V	220V	100W	-	9.414 lm
E008101202	EXML-50/100 PROJOTOR 100W/90° 220V	220V	100W	-	9.414 lm
E008101249	EXML-50/100 PROJOTOR 100W/120° 220V	220V	100W	-	9.414 lm



MODEL PENDANT

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101208	EXML-51/100 PEND. BSP 100W/60° 220V	220V	100W	BSP	9.414 lm
E008101229	EXML-55/100 PEND. NPT 100W/60° 220V	220V	100W	NPT	9.414 lm
E008101209	EXML-51/100 PEND. BSP 100W/90° 220V	220V	100W	BSP	9.414 lm
E008101230	EXML-55/100 PEND. NPT 100W/90° 220V	220V	100W	NPT	9.414 lm
E008101251	EXML-51/100 PEND. BSP 100W/120° 220V	220V	100W	BSP	9.414 lm
E008101257	EXML-55/100 PEND. NPT 100W/120° 220V	220V	100W	NPT	9.414 lm



MODEL 45° SCNCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101215	EXML-52/100 ARAND. 45° BSP 100W/60° 220V	220V	100W	BSP	9.414 lm
E008101236	EXML-56/100 ARAND. 45° NPT 100W/60° 220V	220V	100W	NPT	9.414 lm
E008101216	EXML-52/100 ARAND. 45° BSP 100W/90° 200V	220V	100W	BSP	9.414 lm
E008101237	EXML-56/100 ARAND. 45° NPT 100W/90° 220V	220V	100W	NPT	9.414 lm
E008101253	EXML-52/100 ARAND. 45° BSP 100W/120° 220V	220V	100W	BSP	9.414 lm
E008101259	EXML-56/100 ARAND. 45° NPT 100W/120° 220V	220V	100W	NPT	9.414 lm



MODEL 90° SCNCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101222	EXML-53/100 ARAND. 90° BSP 100W/60° 220V	220V	100W	BSP	9.414 lm
E008101243	EXML-57/100 ARAND. 90° NPT 100W/60° 220V	220V	100W	NPT	9.414 lm
E008101223	EXML-53/100 ARAND. 90° BSP 100W/90° 220V	220V	100W	BSP	9.414 lm
E008101244	EXML-57/100 ARAND. 90° NPT 100W/90° 220V	220V	100W	NPT	9.414 lm
E008101255	EXML-53/100 ARAND. 90° BSP 100W/120° 220V	220V	100W	BSP	9.414 lm
E008101261	EXML-57/100 ARAND. 90° NPT 100W/120° 220V	220V	100W	NPT	9.414 lm

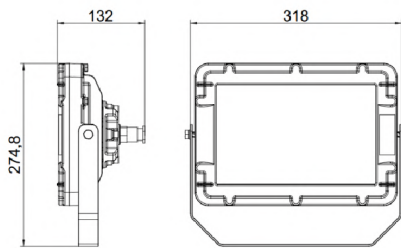
INDUSTRIAL LIGHT FIXTURE EXML 8.000

Características Técnicas



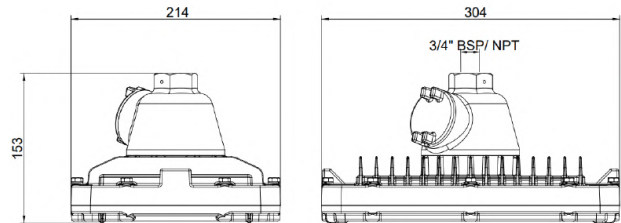
LIGHT FIXTURE LUMINOUS POWER	8.486 lm ±15%	OPERATING VOLTAGE	205~242 V
LED FLUX	9.510 lm ±15%	INPUT FREQUENCY	50/60 Hz
EFFICIENCY	96,4 lm/W	INPUT CURRENT	400 mA
COLOR TEMPERATURE	5000 K	POWER FACTOR	0,99
LIGHT OPENING ANGLE	120°	PROTECTION RATING	IP66
COLOR RENDERING INDEX (Ra)	>80	APPLICATION TEMPERATURE	-30 a 50°C
COLOR RENDERING INDEX (Ri)	75	SURGE SUPPRESSOR (8/20 μs)	6 kA

MODEL PROJECTOR



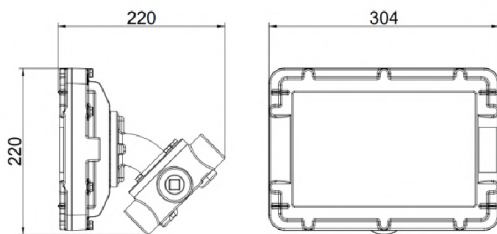
Unit of measurement (mm)

MODEL PENDANT



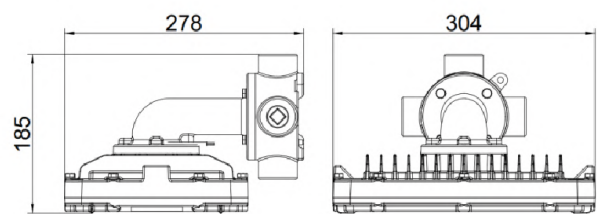
Unit of measurement (mm)

MODEL 45° SCONCE



Unit of measurement (mm)

MODEL 90° SCONCE



Unit of measurement (mm)

INDUSTRIAL LIGHT FIXTURE

EXML 8.000



MODEL PROJECTOR

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101200	EXML-50/88 PROJETOR 88W/120° 220V	220V	88W	-	8.486 lm



MODEL PENDANT

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101207	EXML-51/88 PEND. BSP 88W/120° 220V	220V	88W	BSP	8.486 lm
E008101228	EXML-55/88 PEND. NPT 88W/120° 220V	220V	88W	NPT	8.486 lm



MODEL 45° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101214	EXML-52/88 ARAND. 45° BSP 88W/120° 220V	220V	88W	BSP	8.486 lm
E008101235	EXML-56/88 ARAND. 45° NPT 88W/120° 220V	220V	88W	NPT	8.486 lm



MODEL 90° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101221	EXML-53/88 ARAND. 90° BSP 88W/120° 220V	220V	88W	BSP	8.486 lm
E008101242	EXML-57/88 ARAND. 90° NPT 88W/120° 220V	220V	88W	NPT	8.486 lm



wetzel EX

INDUSTRIAL LIGHT FIXTURE

M01

8.000 - 220Vca, 7.000 - 125Vcc, 5.000 - 127Vca

IP 66

INTEGRATED DRIVER



MADE IN
BRAZIL

PROTECTION



TEMPERED GLASS
DISPLAY



AVAILABLE COLORS:

GRAY



MODELO PROJECTOR

- Light Fixture for **classified areas**
- **WETZEL aluminium** body
- **Electrostatic** powder coating
- **Tempered glass** display.



MODEL PENDANT
**supplied with certified cable gland*

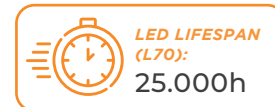
TECHNICAL CHARACTERISTICS

PROTECTION	EX ec mc - EX mc tc
ZONES	2 e 22
GROUPS	IIB - IIIC
EPL	Gc - Dc
TEMPERATURE CLASS	T4 - T135°C
STANDARDS	ABNT NBR IEC 60079-0, 60079-1, 60079-31, 60079-7 and 60079-18
MARKING	EX ec mc IIC T4 Gc IP66 EX mc tc IIIC T135°C Dc IP66

INDUSTRIAL LIGHT FIXTURE

M01 - 8.000

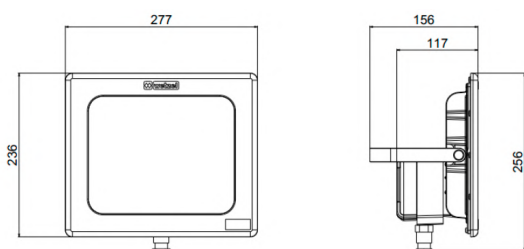
Características Técnicas



LIGHT FIXTURE LUMINOUS POWER	7.615 lm
LED FLUX	10.296 lm
EFFICIENCY	74,6 lm/W
COLOR TEMPERATURE	11.300 K
LIGHT OPENING ANGLE	112°
COLOR RENDERING INDEX (Ra)	75
COLOR RENDERING INDEX (Ri)	65

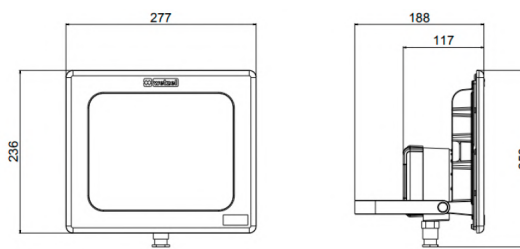
OPERATING VOLTAGE	198~242 V
INPUT FREQUENCY	50/60 Hz
INPUT CURRENT	454 mA
POWER FACTOR	0,93
PROTECTION RATING	IP66
APPLICATION TEMPERATURE	-5 a 45°C
SURGE SUPPRESSOR (8/20 µS)	6 kA

MODEL PENDANT



Unit of measurement (mm)

MODEL PROJECTOR



Unit of measurement (mm)



MODEL PENDANT

CODE	REFERENCE	VOLTAGE	POWER	LUMINOUS FLUX
E008102020	M01 PENDENTE 7.615lm 120° 100W CINZA 220V ZONA 2 E 22	220V	100W	7.615 lm



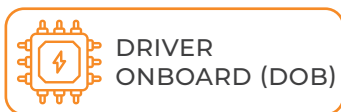
MODEL PROJECTOR

CODE	REFERENCE	VOLTAGE	POWER	LUMINOUS FLUX
E008102010	M01 PROJOTOR 7.615lm 120° 100W CINZA 220V ZONA 2 E 22	220V	100W	7.615 lm

INDUSTRIAL LIGHT FIXTURE

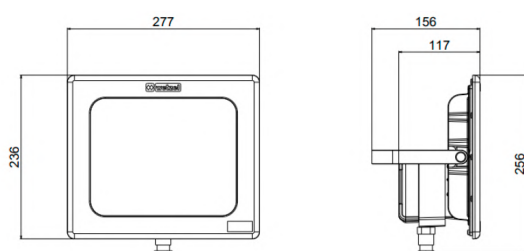
M01 - 7.000 125Vcc and 5.000 127Vca

Características Técnicas



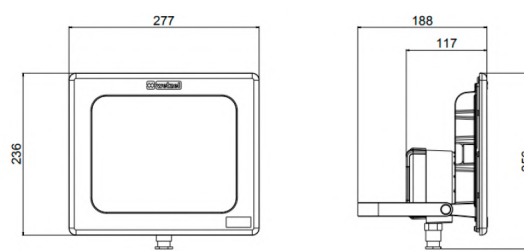
	125Vcc	127Vca		125Vcc	127Vca
LIGHT FIXTURE LUMINOUS POWER	6.512 lm	4.857 lm	OPERATING VOLTAGE	125 vcc	127 vca
LED FLUX	8.976 lm	6.834 lm	INPUT FREQUENCY	N/A	50/60 Hz
EFFICIENCY	72,6 lm/W		INPUT CURRENT	704 mA	550 mA
COLOR TEMPERATURE	11.300 K		POWER FACTOR	N/A	0,95
LIGHT OPENING ANGLE	110°		PROTECTION RATING	IP66	
COLOR RENDERING INDEX (Ra)	75		APPLICATION TEMPERATURE	-5 a 45°C	
COLOR RENDERING INDEX (Ri)	65		SURGE SUPPRESSOR (8/20 μs)	6 kA	

MODELO PENDANT



Unit of measurement (mm)

MODELO PROJECTOR



Unit of measurement (mm)



MODEL PENDANT

CODE	REFERENCE	VOLTAGE	POWER	LUMINOUS FLUX
E008102025	M01 PENDENTE 5K 120° CINZA 125V ZONA 2 E 22	125Vcc - 127Vca	88W - 67W	6.512 lm - 4.857 lm



MODEL PROJECTOR

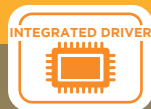
CODE	REFERENCE	VOLTAGE	POWER	LUMINOUS FLUX
E008102015	M01 PROJOTOR 5K 120° CINZA 125V ZONA 2 E 22	125Vcc - 127Vca	88W - 67W	6.512 lm - 4.857 lm



INDUSTRIAL LIGHT FIXTURE

IPEL

4.000 - 2.000 - 1.000



AVAILABLE COLORS:

GRAY



MODEL PENDANT

- Light Fixture for **classified areas**
- **Aluminium** body **WETZEL LOW COPPER®**
- **Electrostatic** powder coating
- **Tempered glass** display.



MODELO PROJECTOR



MODELO CEILING

TECHNICAL CHARACTERISTICS

PROTECTION	EX d - EX tb
ZONES	1 and 2 - 21 and 22
GROUPS	IIB - IIIC
EPL	Gb - Db
TEMPERATURE CLASS	T6 - T85°C
STANDARDS	ABNT NBR IEC 60079-0, 60079-1 and 60079-31
MARKING	EX db IIB T6 Gb IP66 EX tb IIIC T85°C Db IP66

INDUSTRIAL LIGHT FIXTURE IPEL 4.000

Características Técnicas



**DRIVER
ONBOARD (DOB)**



**WEIGHT:
2.100g**



**12 HIGH
POWER
LEDs**



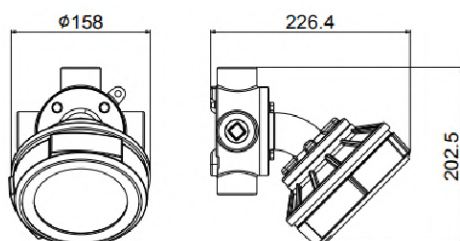
**POWER:
32 W**



**LED LIFESPAN
(L70):
25.000h**

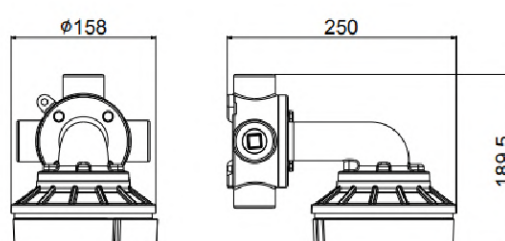
LIGHT FIXTURE LUMINOUS POWER	3.220 lm	OPERATING VOLTAGE	220 V
LED FLUX	4.100 lm	INPUT FREQUENCY	20/60 Hz
EFFICIENCY	107 lm/W	INPUT CURRENT	145 mA
COLOR TEMPERATURE	5000 K	POWER FACTOR	>0,93
LIGHT OPENING ANGLE	120°	PROTECTION RATING	IP66
COLOR RENDERING INDEX (Ra)	75	APPLICATION TEMPERATURE	-30 a 50°C
COLOR RENDERING INDEX (Ri)	65	SURGE SUPPRESSOR (8/20 μs)	6 kA

MODEL 45° SCONCE



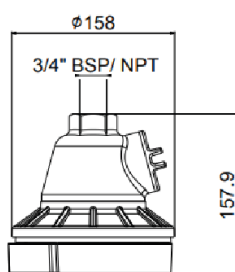
Unit of measurement (mm)

MODEL 90° SCONCE



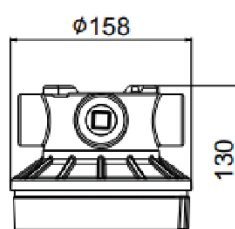
Unit of measurement (mm)

MODEL PENDANT



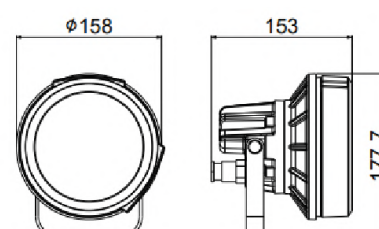
Unit of measurement (mm)

MODEL CEILING



Unit of measurement (mm)

MODEL PROJECTOR



Unit of measurement (mm)

INDUSTRIAL LIGHT FIXTURE

IPEL 4.000



MODEL PENDANT

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100600	IPEL-31/30 LED 30W PEND BSP 220V	220V	30W	BSP	2.700lm
E008100601	IPEL-35/30 LED 30W PEND NPT 220V	220V	30W	NPT	2.700lm



MODEL CEILING

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100700	IPEL-32/30 LED 30W PLAFON BSP 220V	220V	30W	BSP	2.700lm
E008100701	IPEL-36/30 LED 30W PLAFON NPT 220V	220V	30W	NPT	2.700lm



MODEL 45° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100800	IPEL-33/30 LED 30W ARAND 45° BSP 220V	220V	30W	BSP	2.700lm
E008100801	IPEL 37/30 LED 30W ARAND 45° NPT 220V	220V	30W	NPT	2.700lm



MODEL 90° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100900	IPEL 34/30 LED 30W ARAND 90° BSP 220V	220V	30W	BSP	2.700lm
E008100901	IPEL 38/30 LED 30W ARAND 90° NPT 220V	220V	30W	NPT	2.700lm



MODEL PROJECTOR

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008101100	IPEL-41/30 LED 30W PROJOTOR 220V	220V	30W	-	2.700lm

INDUSTRIAL LIGHT FIXTURE

IPEL 2.000

Technical Characteristics



DRIVER ONBOARD (DOB)



WEIGHT:
2.100g



42 MID POWER LEDs



POWER:
16 W

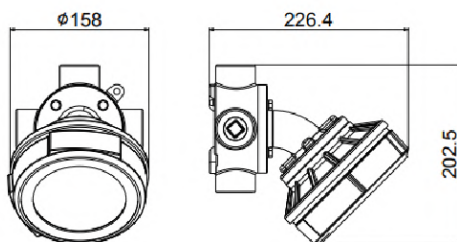


LED LIFESPAN (L70):
25.000h

LIGHT FIXTURE LUMINOUS POWER	1.300 lm
LED FLUX	1.650 lm
EFFICIENCY	80 lm/W
COLOR TEMPERATURE	5000 K
LIGHT OPENING ANGLE	120°
COLOR RENDERING INDEX (Ra)	75
COLOR RENDERING INDEX (Ri)	65

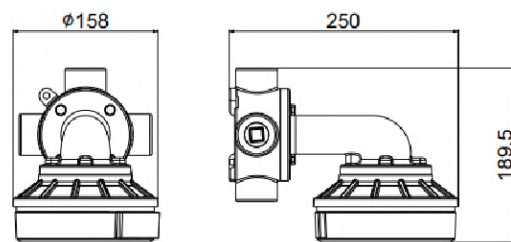
OPERATING VOLTAGE	110 V e 220 V
INPUT FREQUENCY	50/60 Hz
INPUT CURRENT	145 mA / 72 mA
POWER FACTOR	>98
PROTECTION RATING	IP66
APPLICATION TEMPERATURE	-30 a 50°C
SURGE SUPPRESSOR (8/20 µs)	6 kA

MODEL 45° SCONCE



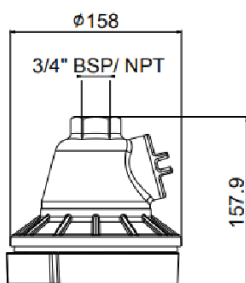
Unit of measurement (mm)

MODEL 90° SCONCE



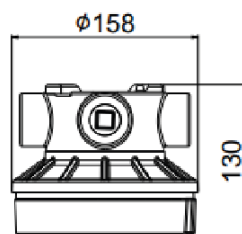
Unit of measurement (mm)

MODEL PENDANT



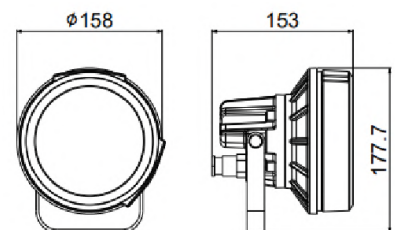
Unit of measurement (mm)

MODEL CEILING



Unit of measurement (mm)

MODEL PROJECTOR



Unit of measurement (mm)

INDUSTRIAL LIGHT FIXTURE

IPEL 2.000



MODEL PENDANT

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100011	IPEL-01/16 LED 16W PEND BSP 220V	220V	16W	BSP	1.350lm
E008100014	IPEL-01/16 LED 16W PEND BSP 110V	110V	16W	BSP	1.350lm
E008100012	IPEL-13/16 LED 16W PEND NPT 220V	220V	16W	NPT	1.350lm
E008100015	IPEL-13/16 LED 16W PEND NPT 110V	110V	16W	NPT	1.350lm



MODEL CEILING

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100041	IPEL-02/16 LED 16W PLAFON BSP 220V	220V	16W	BSP	1.350lm
E008100044	IPEL-02/16 LED 16W PLAFON BSP 110V	110V	16W	BSP	1.350lm
E008100042	IPEL-14/16 LED 16W PLAFON NPT 220V	220V	16W	NPT	1.350lm
E008100045	IPEL-14/16 LED 16W PLAFON NPT 110V	110V	16W	NPT	1.350lm



MODEL 45° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100071	IPEL-03/16 LED 16W ARAND 45° BSP 220V	220V	16W	BSP	1.350lm
E008100074	IPEL-03/16 LED 16W ARAND 45° BSP 110V	110V	16W	BSP	1.350lm
E008100072	IPEL-15/16 LED 16W ARAND 45° NPT 220V	220V	16W	NPT	1.350lm
E008100075	IPEL-15/16 LED 16W ARAND 45° NPT 110V	110V	16W	NPT	1.350lm



MODEL 90° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100101	IPEL-04/16 LED 16W ARAND 90° BSP 220V	220V	16W	BSP	1.350lm
E008100104	IPEL-04/16 LED 16W ARAND 90° BSP 110V	110V	16W	BSP	1.350lm
E008100102	IPEL-16/16 LED 16W ARAND 90° NPT 220V	220V	16W	NPT	1.350lm
E008100105	IPEL-16/16 LED 16W ARAND 90° NPT 110V	110V	16W	NPT	1.350lm



MODEL PROJECTOR

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100132	IPEL-20/16 LED 16W PROJOTOR 220V	220V	16W	-	1.350lm
E008100135	IPEL-20/16 LED 16W PROJOTOR 110V	110V	16W	-	1.350lm

INDUSTRIAL LIGHT FIXTURE

IPEL 1.000

Technical Characteristics



DRIVER ONBOARD (DOB)



WEIGHT:
2.100g



30 HIGH POWER LEDs



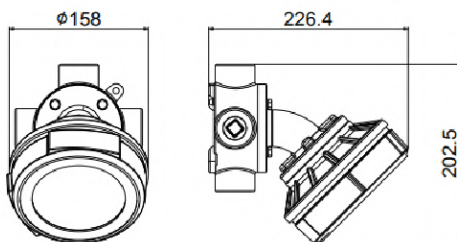
POWER:
13 W



LED LIFESPAN (L70):
25.000h

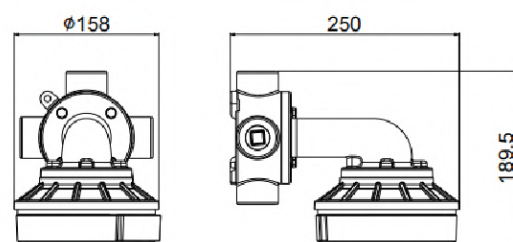
LIGHT FIXTURE LUMINOUS POWER	880 lm	OPERATING VOLTAGE	24 V
LED FLUX	1.100 lm	INPUT FREQUENCY	N/A
EFFICIENCY	68 lm/W	INPUT CURRENT	542 mA
COLOR TEMPERATURE	5000 K	POWER FACTOR	N/A
LIGHT OPENING ANGLE	120°	PROTECTION RATING	IP66
COLOR RENDERING INDEX (Ra)	75	APPLICATION TEMPERATURE	-30 a 50°C
COLOR RENDERING INDEX (Ri)	65	SURGE SUPPRESSOR (8/20 μs)	6 kA

MODEL 45° SCONCE



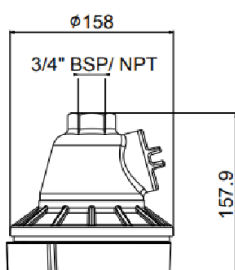
Unit of measurement (mm)

MODEL 90° SCONCE



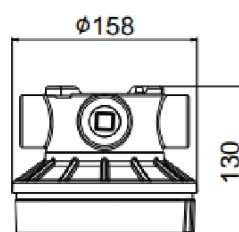
Unit of measurement (mm)

MODEL PENDANT



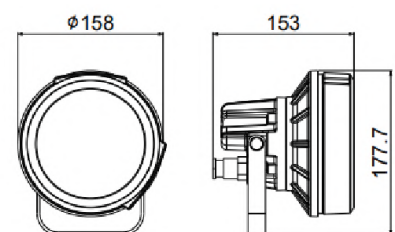
Unit of measurement (mm)

MODELO CEILING



Unit of measurement (mm)

MODELO PROJECTOR



Unit of measurement (mm)

INDUSTRIAL LIGHT FIXTURE

IPEL 1.000



MODEL PENDANT

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100016	IPEL-01/13 LED 13W PEND BSP 24V	24V	13W	BSP	880lm
E008100017	IPEL-13/13 LED 13W PEND NPT 24V	24V	13W	NPT	880lm



MODEL CEILING

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100046	IPEL-02/13 LED 13W PLAFON BSP 24V	24V	13W	BSP	880lm
E008100047	IPEL-14/13 LED 13W PLAFON NPT 24V	24V	13W	NPT	880lm



MODEL 45° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100076	IPEL-03/13 LED 13W ARAND 45° BSP 24V	24V	13W	BSP	880lm
E007100077	IPEL-15/13 LED 13W ARAND 45° NPT 24V	24V	13W	NPT	880lm



MODEL 90° SCONCE

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100106	IPEL-04/13 LED 13W ARAND 90° BSP 24V	24V	13W	BSP	880lm
E008100107	IPEL-16/13 LED 13W ARAND 90° NPT 24V	24V	13W	NPT	880lm



MODEL PROJECTOR

CODE	REFERENCE	VOLTAGE	POWER	THREAD	LUMINOUS FLUX
E008100137	IPEL-20/13 LED 13W PROJOTOR 24V	24V	13W	-	880lm



wetzel EX

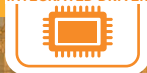
INDUSTRIAL LIGHT FIXTURE

IPEL PORTABLE

4.000 - 2.000 - 1.000

IP 66

INTEGRATED DRIVER



PROTECTION



TEMPERED



AVAILABLE COLORS:

GRAY



MODEL **PORTABLE**

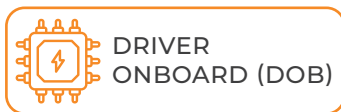
- Light Fixture for **classified areas**
- **Aluminium** body **WETZEL LOW COPPER®**
- **Electrostatic** powder coating
- **Tempered glass** display.

TECHNICAL CHARACTERISTICS

PROTECTION	EX d - EX tb
ZONES	1 and 2 - 21 and 22
GROUPS	IIB - IIIC
EPL	Gb - Db
TEMPERATURE CLASS	T6 - T85°C
STANDARDS	ABNT NBR IEC 60079-0, 60079-1 and 60079-31
MARKING	EX db IIB T6 Gb IP66 EX tb IIIC T85°C Db IP66

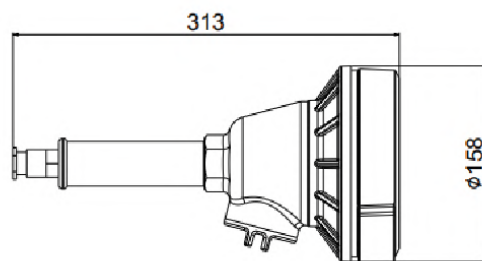
INDUSTRIAL LIGHT FIXTURE IPEL PORTABLE 4.000

Technical Characteristics



LIGHT FIXTURE LUMINOUS POWER	3.220 lm	OPERATING VOLTAGE	220 V
LED FLUX	4.100 lm	INPUT FREQUENCY	50/60 Hz
EFFICIENCY	107 lm/W	INPUT CURRENT	145 mA
COLOR TEMPERATURE	5000 K	POWER FACTOR	>0,93
LIGHT OPENING ANGLE	120°	PROTECTION RATING	IP66
COLOR RENDERING INDEX (Ra)	75	APPLICATION TEMPERATURE	-30 a 50°C
COLOR RENDERING INDEX (Ri)	65	SURGE SUPPRESSOR (8/20 μS)	6 kA

MODEL PORTABLE



Unit of measurement (mm)



MODEL PORTABLE

CODE	REFERENCE	VOLTAGE	POWER	CABLE	LUMINOUS FLUX
E008101000	IPEL 40/30-10 PORTÁTIL 30W	220V	30W	10 meters	2.700 lm
E008101001	IPEL 40/30-20 PORTÁTIL 30W	220V	30W	20 meters	2.700 lm
E008101002	IPEL 40/30-30 PORTÁTIL 30W	220V	30W	30 meters	2.700 lm

INDUSTRIAL LIGHT FIXTURE

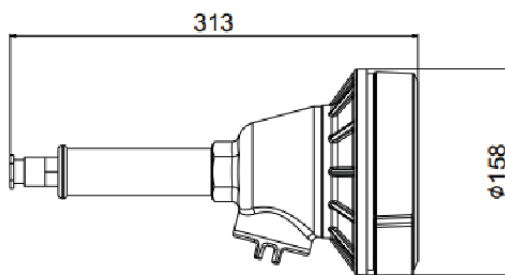
IPEL PORTABLE 2.000

Technical Characteristics

 DRIVER ONBOARD (DOB)	 WEIGHT: 2.300g	 42 LEDs	 POWER: 16 W	 LED LIFESPAN (L70): 25.000h
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LIGHT FIXTURE LUMINOUS POWER	1.300 lm	OPERATING VOLTAGE	110 V ou 220V
LED FLUX	1.650 lm	INPUT FREQUENCY	50/60 Hz
EFFICIENCY	80 lm/W	INPUT CURRENT	145 mA / 72 mA
COLOR TEMPERATURE	5000 K	POWER FACTOR	>98
LIGHT OPENING ANGLE	120°	PROTECTION RATING	IP66
COLOR RENDERING INDEX (Ra)	75	APPLICATION TEMPERATURE	-30 a 50°C
COLOR RENDERING INDEX (Ri)	65	SURGE SUPPRESSOR (8/20 µs)	6 kA

MODEL PORTABLE



Unit of measurement (mm)

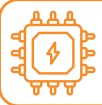


MODEL PORTABLE

CODE	REFERENCE	VOLTAGE	POWER	CABLE	LUMINOUS FLUX
E008100253	IPEL-30/16-10 PORT 16W 10M 220V	220V	16W	10 meters	1.300lm
E008100254	IPEL-30/16-20 PORTÁTIL 16W 20M 220V	220V	16W	20 meters	1.300lm
E008100255	IPEL-30/16-30 PORT 16W 30M 220V	220V	16W	30 meters	1.300lm
E008100256	IPEL-30/16-10 PORT 16W 10M 110V	110V	16W	10 meters	1.300lm
E008100257	IPEL-30/16-20 PORT 16W 20M 110V	110V	16W	20 meters	1.300lm
E008100258	IPEL-30/16-30 16W PORTÁTIL 30M 110V	110V	16W	30 meters	1.300lm

INDUSTRIAL LIGHT FIXTURE IPEL PORTABLE 1.000

Technical Characteristics



**DRIVER
ONBOARD (DOB)**



WEIGHT:
2.300g



**30 HIGH
POWER
LEDs**



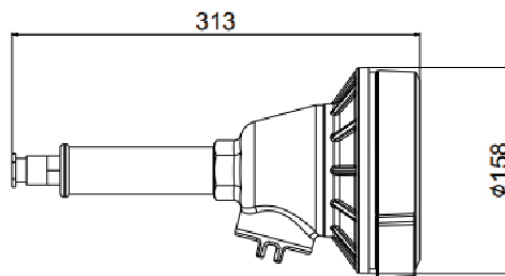
POWER:
13 W



**LED LIFESPAN
(L70):**
25.000h

LIGHT FIXTURE LUMINOUS POWER	880 lm	OPERATING VOLTAGE	24 V
LED FLUX	1.100 lm	INPUT FREQUENCY	N/A
EFFICIENCY	68 lm/W	INPUT CURRENT	542 mA
COLOR TEMPERATURE	5000 K	POWER FACTOR	N/A
LIGHT OPENING ANGLE	120°	PROTECTION RATING	IP66
COLOR RENDERING INDEX (Ra)	75	APPLICATION TEMPERATURE	-30 a 50°C
COLOR RENDERING INDEX (Ri)	65	SURGE SUPPRESSOR (8/20 μs)	6 kA

MODEL PORTABLE



Unit of measurement (mm)



MODEL PORTABLE

CODE	REFERENCE	VOLTAGE	POWER	CABLE	LUMINOUS FLUX
E008100259	IPEL-30/13-10 PORTÁTIL 13W 10M 24V	24V	13W	10 meters	880lm
E008100260	IPEL-30/13-20 PORT 13W 20M 24V	24V	13W	20 meters	880lm
E008100261	IPEL-30/13-30 13W 30 METROS 24V	24V	13W	30 meters	880lm



**Lighting
solutions
that make a
difference.**



INDUSTRIAL LIGHT FIXTURE

IPE



AVAILABLE COLORS:

GRAY



MODEL PENDANT

- Light Fixture for **classified areas**
- **Aluminium** body **WETZEL LOW COPPER®**
- **Electrostatic** powder coating
- **Borosilicate** display.



MODEL CEILING



MODEL 90° SCENCE

TECHNICAL CHARACTERISTICS

PROTECTION	EX db - EX tb
ZONES	1 and 2 - 21 and 22
GROUPS	IIB - IIIC
EPL	Gb - Db
TEMPERATURE CLASS	T4 - T135°C / T3 T200°C
STANDARDS	ABNT NBR IEC 60079-0, 60079-1 and 60079-31
MARKING	EX db IIB T* Gb IP66 EX tb IIIC T* Db IP66

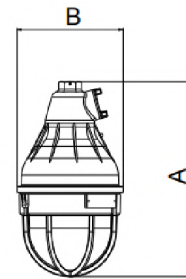
INDUSTRIAL LIGHT FIXTURE IPE

Technical Characteristics

INDICATED ZONES	1 e 2 - GRUPOS IIA e IIB	SOCKET	E-27 ou E-40
SUPPORTS BULBS UP TO	300W	PROTECTION RATING	IP66

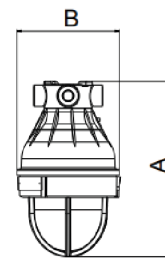
MODELO PENDANT

DIMENSIONS (mm)		
REFERENCE	A	Ø B
IPE-05/2	395	215
IPE-17/2	395	215
IPE-09/3	438	215
IPE-21/3	438	215



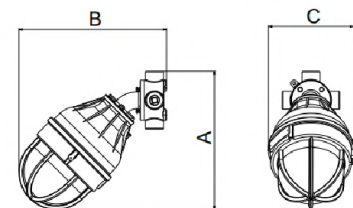
MODELO CEILING

DIMENSIONS (mm)		
REFERENCE	A	Ø B
IPE-06/2	366	215
IPE-18/2	366	215
IPE-10/3	410	215
IPE-22/3	410	215



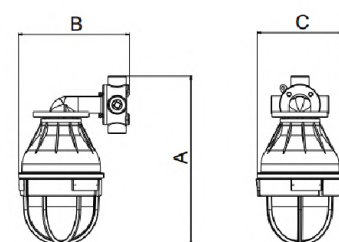
MODELO 45° SCONCE

DIMENSIONS (mm)			
REFERENCE	A	B	Ø C
IPE-07/2	348	372	215
IPE-19/2	348	372	215
IPE-11/3	378	400	215
IPE-23/3	378	400	215



MODELO 90° SCONCE

DIMENSIONS (mm)			
REFERENCE	A	B	Ø C
IPE-08/2	425	280	215
IPE-20/2	425	280	215
IPE-12/3	470	280	215
IPE-24/3	470	280	215



INDUSTRIAL LIGHT FIXTURE

IPE



MODEL PENDANT

CODE	REFERENCE	LAMP	THREAD	SOCKET
E008100020	IPE-05/2 PEND. 200W BSP	200W	BSP	E-27
E008100140	IPE-17/2 - N PEND.200W NPT	200W	NPT	E-27
E008100030	IPE-09/3 PEND. 300W BSP	200W	BSP	E-40
E008100150	IPE-21/3- NPT PEND.300W	200W	NPT	E-40



MODEL CEILING

CODE	REFERENCE	LAMP	THREAD	SOCKET
E008100050	IPE-06/2 PLAF.200W BSP	200W	BSP	E-27
E008100170	IPE-18/2 - NPT PLAF. 200W	200W	NPT	E-27
E008100060	IPE-10/3 PLAF. 300W	300W	BSP	E-40
E008100180	IPE-22/3- PLAF.300W NPT	300W	NPT	E-40



MODELO 45° SCONCE

CODE	REFERENCE	LAMP	THREAD	SOCKET
E008100080	IPE-07/2 ARAND 45° 200W BSP	200W	BSP	E-27
E008100200	IPE-19/2 - NPT ARAND. 45° 200W	200W	NPT	E-27
E008100090	IPE-11/3 ARANDELA 45° 300W BSP	300W	BSP	E-40
E008100210	IPE-23/3 - NPT ARAND.45 300W BSP	300W	NPT	E-40



MODELO 90° SCONCE

CODE	REFERENCE	LAMP	THREAD	SOCKET
E008100110	IPE-08/2 ARANDELA 90° 200W BSP	200W	BSP	E-27
E008100230	IPE-20/2 - NPT ARAND.90 200W	200W	NPT	E-27
E008100120	IPE-12/3 ARAND 90° 300W BSP	300W	BSP	E-40
E008100240	IPE-24/3 - NPT ARAND.90° 300W	300W	NPT	E-40



wetzel EX

EXD CONDUIT

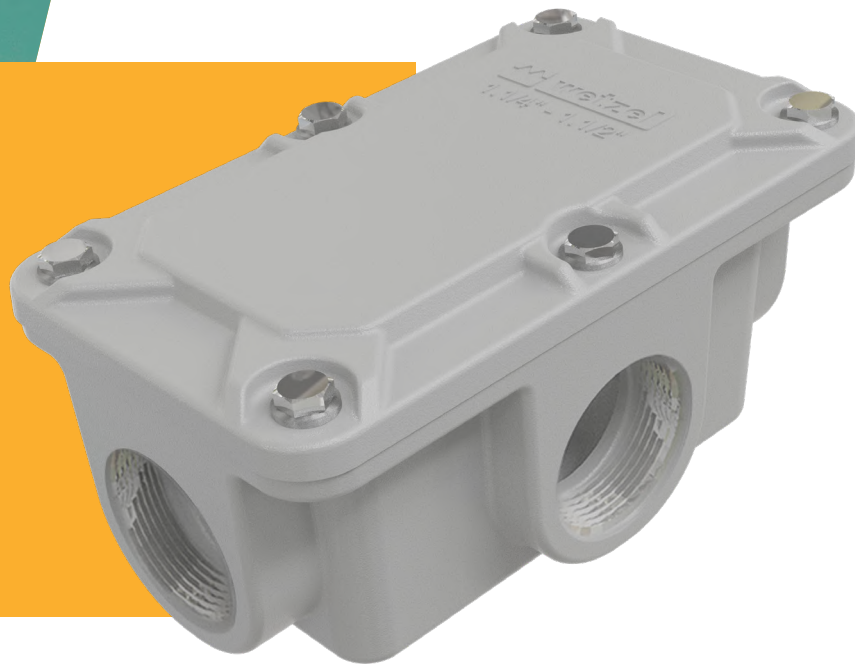
IP 66

MADE IN
BRAZIL

PROTECTION
EX

AVAILABLE COLORS:

GRAY



MODEL X



MODEL C



MODEL E



MODEL LB



MODEL LL



MODEL LR



MODEL T



MODEL TB



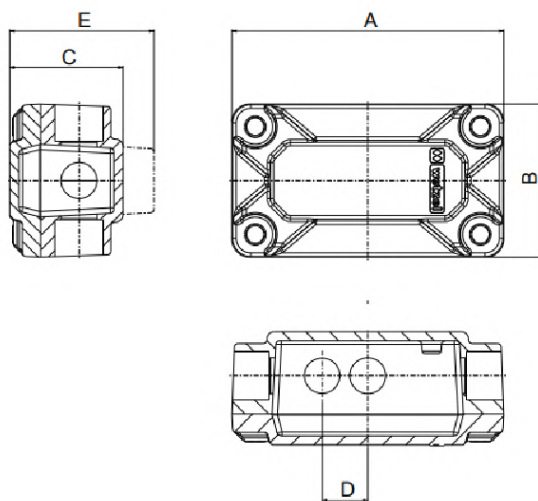
MODEL X

Available in gauges *1/2"*, *3/4"*, *1"*, *1.1/4"*, *1.1/2"* e *2"*

TECHNICAL CHARACTERISTICS	
PROTECTION	EX db - EX tb
ZONES	1 and 2 - 21 and 22
GROUPS	IIB+H2 - IIIC
EPL	Gb - Db
STANDARDS	ABNT NBR IEC 60079-0, 60079-1 and 60079-31
MARKING	EX db IIB+H2 Gb IP66 EX tb IIIC Db IP66

TERMINAL BOX EX EXD CONDUIT

Technical Characteristics



DIMENSIONS (mm)					
REFERENCE	A	B	C	D	E
1/2"	148,9	83,9	60	25	64
3/4"	148,9	83,9	60	25	64
1"	165,8	92,8	70	30	77
1.1/4"	189,9	112,9	93	25	99
1.1/2"	189,9	112,9	93	25	99
2"	214,9	127,9	104	30	109



MODEL C BSP

CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008120020	C-10 1/2" - EXD	1/2"	BSP	0,693
E008120030	C-15 3/4" - EXD	3/4"	BSP	0,674
E008120040	C-20 1" - EXD	1"	BSP	0,984
E008120050	C-25 1.1/4" - EXD	1.1/4"	BSP	1,656
E008120060	C-30 1.1/2" - EXD	1.1/2"	BSP	1,610
E008120070	C-35 2" - EXD	2"	BSP	2,066



MODEL C NPT

CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008122020	C-10 N 1/2" - EXD	1/2"	NPT	0,699
E008122030	C-15 N 3/4" - EXD	3/4"	NPT	0,682
E008122040	C-20 N 1" - EXD	1"	NPT	0,992
E008122050	C-25 N 1.1/4" - EXD	1.1/4"	NPT	1,672
E008122060	C-30 N 1.1/2" - EXD	1.1/2"	NPT	1,626
E008122070	C-35 N 2" - EXD	2"	NPT	2,076



MODEL E BSP

CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008130020	E-10 1/2" - EXD	1/2"	BSP	0,663
E008130030	E-15 3/4" - EXD	3/4"	BSP	0,653
E008130040	E-20 1" - EXD	1"	BSP	0,937
E008130050	E-25 1.1/4" - EXD	1.1/4"	BSP	1,542
E008130060	E-30 1.1/2" - EXD	1.1/2"	BSP	1,519
E008130070	E-35 2" - EXD	2"	BSP	1,980

TERMINAL BOX EX EXD CONDUIT



MODEL E NPT



CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008132020	E-10 N 1/2" - EXD	1/2"	NPT	0,666
E008132030	E-15 N 3/4" - EXD	3/4"	NPT	0,657
E008132040	E-20 N 1" - EXD	1"	NPT	0,941
E008132050	E-25 N 1.1/4" - EXD	1.1/4"	NPT	1,550
E008132060	E-30 N 1.1/2" - EXD	1.1/2"	NPT	1,527
E008132070	E-35 N 2" - EXD	2"	NPT	1,985



MODEL LB BSP



CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008140020	LB-10 1/2" - EXD	1/2"	BSP	0,694
E008140030	LB-15 3/4" - EXD	3/4"	BSP	0,675
E008140040	LB-20 1" - EXD	1"	BSP	0,970
E008140050	LB-25 1.1/4" - EXD	1.1/4"	BSP	1,612
E008140060	LB-30 1.1/2" - EXD	1.1/2"	BSP	1,564
E008140070	LB-35 2" - EXD	2"	BSP	2,047



MODEL LB NPT



CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008142020	LB-10 N 1/2" - EXD	1/2"	NPT	0,700
E008142030	LB-15 N 3/4" - EXD	3/4"	NPT	0,683
E008142040	LB-20 N 1" - EXD	1"	NPT	0,948
E008142050	LB-25 N 1.1/4" - EXD	1.1/4"	NPT	1,628
E008142060	LB-30 N 1.1/2" - EXD	1.1/2"	NPT	1,580
E008142070	LB-35 N 2" - EXD	2"	NPT	2,057



MODEL LL BSP



CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008150020	LL-10 1/2" - EXD	1/2"	BSP	0,693
E008150030	LL-15 3/4" - EXD	3/4"	BSP	0,674
E008150040	LL-20 1" - EXD	1"	BSP	0,961
E008150050	LL-25 1.1/4" - EXD	1.1/4"	BSP	1,607
E008150060	LL-30 1.1/2" - EXD	1.1/2"	BSP	1,561
E008150070	LL-35 2" - EXD	2"	BSP	2,002



MODEL LL NPT



CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008152020	LL-10 N 1/2" - EXD	1/2"	NPT	0,699
E008152030	LL-15 N 3/4" - EXD	3/4"	NPT	0,682
E008152040	LL-20 N 1" - EXD	1"	NPT	0,969
E008152050	LL-25 N 1.1/4" - EXD	1.1/4"	NPT	1,623
E008152060	LL-30 N 1.1/2" - EXD	1.1/2"	NPT	1,577
E008152070	LL-35 N 2" - EXD	2"	NPT	2,012

TERMINAL BOX EX EXD CONDUIT



MODEL LR BSP



CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008160020	LR-10 1/2" - EXD	1/2"	BSP	0,693
E008160030	LR-15 3/4" - EXD	3/4"	BSP	0,674
E008160040	LR-20 1" - EXD	1"	BSP	0,961
E008160050	LR-25 1.1/4" - EXD	1.1/4"	BSP	1,607
E008160060	LR-30 1.1/2" - EXD	1.1/2"	BSP	1,561
E008160070	LR-35 2" - EXD	2"	BSP	2,002



MODEL LR NPT



CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008162020	LR-10 N 1/2" - EXD	1/2"	NPT	0,699
E008162030	LR-15 N 3/4" - EXD	3/4"	NPT	0,682
E008162040	LR-20 N 1" - EXD	1"	NPT	0,969
E008162050	LR-25 N 1.1/4" - EXD	1.1/4"	NPT	1,623
E008162060	LR-30 N 1.1/2" - EXD	1.1/2"	NPT	1,577
E008162070	LR-35 N 2" - EXD	2"	NPT	2,012



MODEL T BSP



CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008170020	T-10 1/2" - EXD	1/2"	BSP	0,723
E008170030	T-15 3/4" - EXD	3/4"	BSP	0,694
E008170040	T-20 1" - EXD	1"	BSP	1,008
E008170050	T-25 1.1/4" - EXD	1.1/4"	BSP	1,721
E008170060	T-30 1.1/2" - EXD	1.1/2"	BSP	1,651
E008170070	T-35 2" - EXD	2"	BSP	2,088



MODEL T NPT



CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008172020	T-10 N 1/2" - EXD	1/2"	NPT	0,732
E008172030	T-15 N 3/4" - EXD	3/4"	NPT	0,706
E008172040	T-20 N 1" - EXD	1"	NPT	1,020
E008172050	T-25 N 1.1/4" - EXD	1.1/4"	NPT	1,745
E008172060	T-30 N 1.1/2" - EXD	1.1/2"	NPT	1,667
E008172070	T-35 N 2" - EXD	2"	NPT	2,103

TERMINAL BOX EX EXD CONDUIT



MODEL TB BSP

CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008180020	TB-10 1/2" - EXD	1/2"	BSP	0,724
E008180030	TB-15 3/4" - EXD	3/4"	BSP	0,695
E008180040	TB-20 1" - EXD	1"	BSP	1,017
E008180050	TB-25 1.1/4" - EXD	1.1/4"	BSP	1,726
E008180060	TB-30 1.1/2" - EXD	1.1/2"	BSP	1,655
E008180070	TB-35 2" - EXD	2"	BSP	2,134



MODEL TB NPT

CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008182020	TB-10 N 1/2" - EXD	1/2"	NPT	0,733
E008182030	TB-15 N 3/4" - EXD	3/4"	NPT	0,707
E008182040	TB-20 N 1" - EXD	1"	NPT	1,029
E008182050	TB-25 N 1.1/4" - EXD	1.1/4"	NPT	1,750
E008182060	TB-30 N 1.1/2" - EXD	1.1/2"	NPT	1,671
E008182070	TB-35 N 2" - EXD	2"	NPT	2,149



MODEL X BSP

CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008190020	X-10 1/2" - EXD	1/2"	BSP	0,752
E008190030	X-15 3/4" - EXD	3/4"	BSP	0,714
E008190040	X-20 1" - EXD	1"	BSP	1,032
E008190050	X-25 1.1/4" - EXD	1.1/4"	BSP	1,786
E008190060	X-30 1.1/2" - EXD	1.1/2"	BSP	1,693
E008190070	X-35 2" - EXD	2"	BSP	2,110



MODEL X NPT

CODE	REFERENCE	GAUGE	THREAD	WEIGHT (KG)
E008192020	X-10 N 1/2" - EXD	1/2"	NPT	0,764
E008192030	X-15 N 3/4" - EXD	3/4"	NPT	0,729
E008192040	X-20 N 1" - EXD	1"	NPT	1,048
E008192050	X-25 N 1.1/4" - EXD	1.1/4"	NPT	1,818
E008192060	X-30 N 1.1/2" - EXD	1.1/2"	NPT	1,717
E008192070	X-35 N 2" - EXD	2"	NPT	2,130



wetzel EX

SEALING UNITS
EX

UW



AVAILABLE COLORS:

GRAY



MODEL VERTICAL AND HORIZONTAL



MODEL VERTICAL AND HORIZONTAL

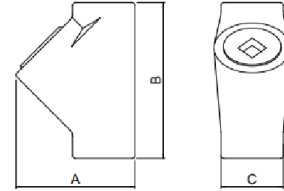
- Body, cover and plug in **WETZEL LOW COPPER® aluminium**
- **Electrostatic painting** in epoxy-polyester
- **BSP or NPT thread.**

TECHNICAL CHARACTERISTICS	
PROTECTION	EX db - EX tb
ZONES	1 and 2 - 21 and 22
GROUPS	IIB - IIIC
EPL	Gb - Db
STANDARDS	ABNT NBR IEC 60079-0, 60079-1 and 60079-31
MARKING	EX db IIB Gb IP64 EX tb IIIC Db IP64

Technical Characteristics

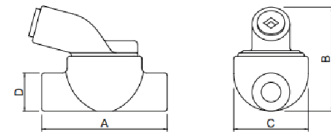
MODEL VERTICAL

DIMENSIONS (mm)					
REFERENCIA	GAUGE	THREAD	A	B	Ø C
UW-101/10	1/2"	BSP	59	83	32
UW-102/10		NPT			
UW-101/15	3/4"	BSP	70	95	38
UW-102/15		NPT			
UW-101/20	1"	BSP	84	110	44
UW-102/20		NPT			



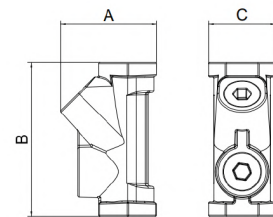
MODEL VERTICAL AND HORIZONTAL I

DIMENSIONS (mm)						
REFERENCIA	GAUGE	THREAD	A	B	Ø C	Ø D
UW-201/10	1/2"	BSP	106	88	63	32
UW-202/10		NPT				
UW-201/15	3/4"	BSP	106	94	63	38
UW-202/15		NPT				
UW-201/20	1"	BSP	125	100	75	44
UW-202/20		NPT				



MODEL VERTICAL AND HORIZONTAL II

DIMENSIONS (mm)					
REFERENCIA	GAUGE	THREAD	A	B	Ø C
UW-101/10	1/2"	BSP	55	95	32
UW-102/10		NPT			
UW-101/15	3/4"	BSP	65,1	105	39,5
UW-102/15		NPT			
UW-101/20	1"	BSP	69,9	120,5	43,5
UW-102/20		NPT			
UW-101/25	1.1/4"	BSP	79,8	132	53,5
UW-102/25		NPT			
UW-101/30	1.1/2"	BSP	85	137	59,2
UW-102/30		NPT			
UW-101/35	2"	BSP	96,9	154	71,5
UW-102/35		NPT			
UW-101/40	2.1/2"	BSP	118	192	90
UW-102/40		NPT			
UW-101/45	3"	BSP	134	215	108
UW-102/45		NPT			



EX SEALER UNITS

UW



MODEL VERTICAL BSP

CODE	REFERENCE	THREAD	GAUGE
E008020020	UW-101/10	BSP	1/2"
E008020030	UW-101/15	BSP	3/4"
E008020040	UW-101/20	BSP	1"



MODEL VERTICAL NPT

CODE	REFERENCE	THREAD	GAUGE
E008040020	UW-102/10	NPT	1/2"
E008040030	UW-102/15	NPT	3/4"
E008040040	UW-102/20	NPT	1"



MODEL VERTICAL E HORIZONTAL I BSP

CODE	REFERENCE	THREAD	GAUGE
E008030020	UW-201/10	BSP	1/2"
E008030030	UW-201/15	BSP	3/4"
E008030040	UW-201/20	BSP	1"



MODEL VERTICAL E HORIZONTAL I NPT

CODE	REFERENCE	THREAD	GAUGE
E008050020	UW-202/10	NPT	1/2"
E008050030	UW-202/15	NPT	3/4"
E008050040	UW-202/20	NPT	1"



MODEL VERTICAL E HORIZONTAL II BSP

CODE	REFERENCE	THREAD	GAUGE
E008020050	UW-101/25	BSP	1.1/4"
E008020060	UW-101/30	BSP	1.1/2"
E008020070	UW-101/35	BSP	2"
E008020080	UW-101/40	BSP	2.1/2"
E008020090	UW-101/45	BSP	3"



MODEL VERTICAL E HORIZONTAL II NPT

CODE	REFERENCE	THREAD	GAUGE
E008040050	UW-102/25	NPT	1.1/4"
E008040060	UW-102/30	NPT	1.1/2"
E008040070	UW-102/35	NPT	2"
E008040080	UW-102/40	NPT	2.1/2"
E008040090	UW-102/45	NPT	3"



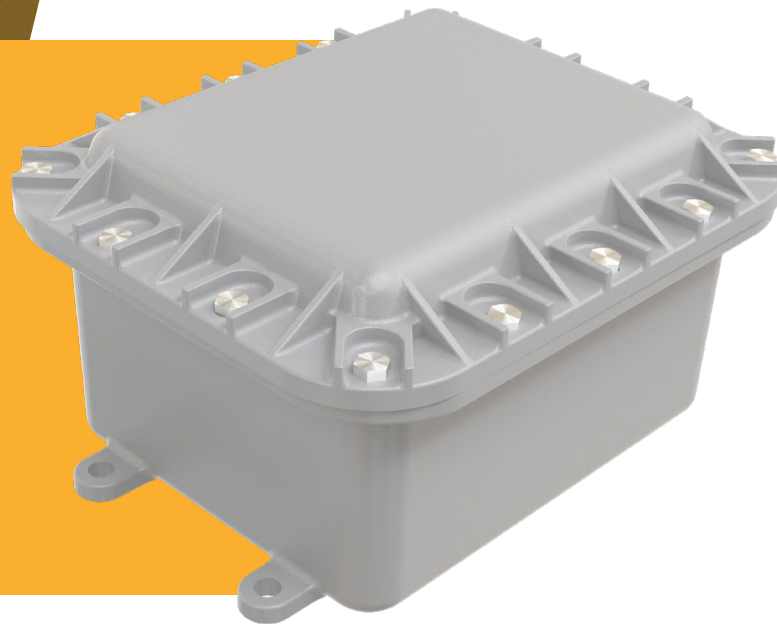
CONNECTION BOXES EX

CLPE

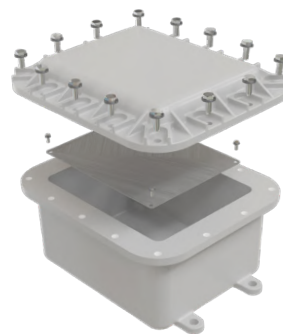


AVAILABLE COLORS:

GRAY



MODEL WITHOUT CHASSIS



MODEL WITH CHASSIS

- **Aluminium** body **WETZEL LOW COPPER®**
- **Electrostatic** powder coating.

TECHNICAL CHARACTERISTICS

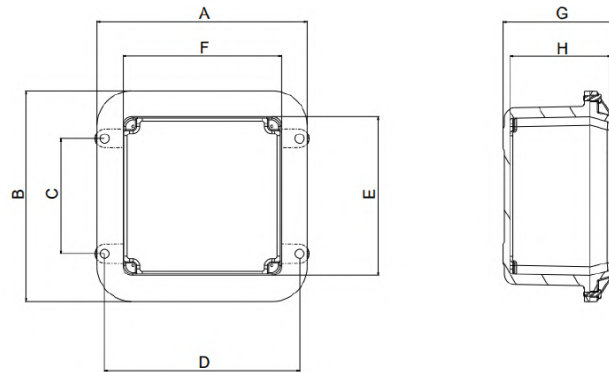
PROTECTION	EX d - EX tb
ZONES	1 and 2 - 21 and 22
GROUPS	IIB - IIIC
EPL	Gb - Db
TEMPERATURE CLASS	T6 - 85°C
STANDARDS	ABNT NBR IEC 60079-0, 60079-1 and 60079-31
MARKING	EX db IIB T6 Gb IP64 EX tb IIIC T85°C Db IP64

EX CONNECTION BOXES

CLPE

Technical Characteristics

MODEL WITHOUT CHASSIS AND WITH CHASSIS



MODEL WITHOUT CHASSIS AND WITH CHASSIS

DIMENSIONS (mm)

REFERENCE	A	B	C	D	E	F	G	H
CLPE-1208	107	147	90	130	117	77	87	64
CLPE-1410	160	200	90	150	140	100	137	115
CLPE-1714	215	245	100	205	170	140	167	145
CLPE-2214	215	295	160	205	220	140	167	145
CLPE-2814	216	351	213	200	275	140	175	145
CLPE-3414	216	416	265	213	340	140	175	145
CLPE-2222	310	310	140	284	220	220	197	175
CLPE-2228	365	310	140	345	220	275	205	175
CLPE-2828	365	365	200	339	275	275	197	175
CLPE-3428	365	430	260	345	340	275	211	175
CLPE-5628	365	645	475	345	555	275	211	175

EX CONNECTION BOXES

CLPE



MODEL WITHOUT CHASSIS

CODE	REFERENCE
E008010010	CLPE-1208-06
E008010020	CLPE-1410-12
E008010030	CLPE-1714-15
E008010040	CLPE-2214-15
E008010050	CLPE-2814-15
E008010060	CLPE-3414-15
E008010070	CLPE-2222-18
E008010080	CLPE-2228-18
E008010090	CLPE-2828-18
E008010100	CLPE-3428-18
E008010110	CLPE-5628-18



MODEL WITH CHASSIS

CODE	REFERENCE
E008010120	CLPE-1410-12 CR
E008010130	CLPE-1714-15 CR
E008010140	CLPE-2214-15 CR
E008010150	CLPE-2814-15 CR
E008010160	CLPE-3414-15 CR
E008010170	CLPE-2222-18 CR
E008010180	CLPE-2228-18 CR
E008010190	CLPE-2828-18 CR
E008010200	CLPE-3428-18 CR
E008010210	CLPE-5628-18 CR



CONTROL PANEL

CLPE AC



MAXIMUM NUMBERS OF ACCESORIES

REFERENCE	QUANTITY
CLPE-1208-06 AC	2
CLPE-1410-12 AC	4
CLPE-2214-15 AC	6
CLPE-2828-18 AC	8
CLPE-3414-15 AC	8
CLPE-3428-15 AC	12

BOXES WITH TERMINALS

REFERENCE	QUANTITY	SECTION (mm ²)	CODE	QTY OF TERMINALS ON EACH BLOCK	IMAGE
CLPE-2214-15 AC	1	SAK 2,5	E060211001	18	
		SAK 4,0	E060211002		
CLPE-2828-18 AC	2	SAK 2,5	E060211001	26	
		SAK 4,0	E060211002		
CLPE-3414-15 AC	1	SAK 2,5	E060211001	36	
		SAK 4,0	E060211002		
CLPE-3428-15 AC	2	SAK 2,5	E060211001	35	
		SAK 4,0	E060211002		



CONTROL ACCESSORIES			
CODE	REFERENCE	ELECTRICAL FUNCTION	IMAGE
E060204001	MUSHROOM BUTTON W/ROTARY RETURN	1 NF	
E060204002	MUSHROOM BUTTON W/ROTARY RETURN	1 NA NF	
E060206001	MUSHROOM BUTTON W/YALE KEY	1 NF	
E060206002	MUSHROOM BUTTON W/YALE KEY	1 NA NF	
E060205001	PUSH MUSHROOM BUTTON	1 NF	
E060205002	PUSH MUSHROOM BUTTON	1 NA NF	
E060203001	MUSHROOM BUTTON W/MECHANICAL LOCK	1 NF	
E060203002	MUSHROOM BUTTON W/MECHANICAL LOCK	1 NA NF	
E060208001	COMPUTER LEVER SWITCH	1 PL 2 PS	
E060208002	COMPUTER LEVER SWITCH	2 PL 2 PS	
E060208003	COMPUTER LEVER SWITCH	3 PL 2 PS	
E060208004	COMPUTER LEVER SWITCH	4 PL 2 PS	
E060209001	REVERSING LEVER COMPUTER W/ ZERO	1 PL 3 PS	
E060209002	REVERSING LEVER COMPUTER W/ ZERO	2 PL 3 PS	
E060209003	REVERSING LEVER COMPUTER W/ ZERO	3 PL 3 PS	
E060210001	REVERSING LEVER COMPUTER W/ ZERO	1 PL 3 PS	
E060210002	REVERSING LEVER COMPUTER W/ ZERO	1 PL 4 PS	
E060210003	REVERSING LEVER COMPUTER W/ ZERO	1 PL 6 PS	
E060207001	PUSH BUTTON W/YALE KEY	1 NF	
E060207002	PUSH BUTTON W/YALE KEY	1 NA NF	
E060200001	GREEN PUSH BUTTON	1 NA	
E060200002	GREEN PUSH BUTTON	1 NA NF	
E060200003	RED PUSH BUTTON	1 NA	
E060200004	RED PUSH BUTTON	1 NF	
E060200005	RED PUSH BUTTON	1 NA NF	
E060201001	GREEN BEACON	-	
E060201002	RED BEACON	-	

wetzel | **EX**

**JUNCTION AND
TERMINAL BOXES
EX**

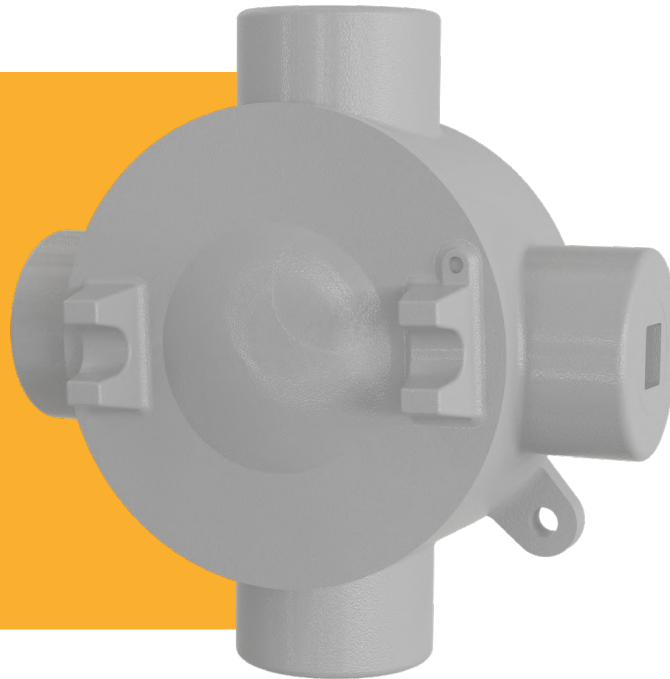
CPE

IP 64

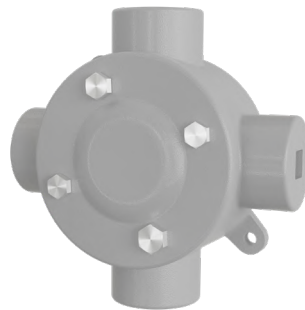


AVAILABLE COLORS:

GRAY



MODEL **THREADED COVER**



MODEL **SCREW COVER**

- **Aluminium** body **WETZEL LOW COPPER®**
- **Electrostatic** powder coating.

TECHNICAL CHARACTERISTICS

PROTECTION	EX db - EX tb
ZONES	1 and 2 - 21 and 22
GROUPS	IIB - IIIC
EPL	Gb - Db
TEMPERATURE CLASS	N/A
STANDARDS	ABNT NBR IEC 60079-0, 60079-1 and 60079-31
MARKING	EX db IIB Gb IP64 EX db IIIC Db IP64

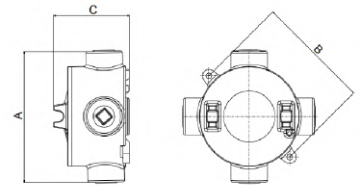
EX JUNCTION BOXES

CPE

Technical Characteristics

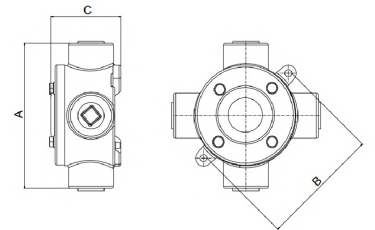
MODEL THREADED COVER

DIMENSIONS (mm)					
REFERENCE	GAUGE	THREAD	A	B	C
CPE-01	3/4"	BSP	160	140	94
CPE-02	3/4"	NPT			
CPE-03	1"	BSP			
CPE-04	1"	NPT			
CPE-05	1"	BSP	188	180	107
CPE-06	1"	NPT			
CPE-07	1.1/4"	BSP			
CPE-08	1.1/4"	NPT			



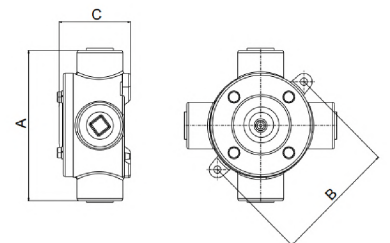
MODEL SCREW COVER

DIMENSIONS (mm)					
REFERENCE	GAUGE	THREAD	A	B	C
CPE-21	3/4"	BSP	145	120	70
CPE-22	3/4"	NPT			
CPE-23	1"	BSP			
CPE-24	1"	NPT			



MODEL COVER WITH HOLE

DIMENSIONS (mm)						
REFERENCE	GAUGE		THREAD	A	B	C
	BODY THREAD	THREAD COVER				
CPE-25	3/4"	3/4"	BSP	145	120	70
CPE-26	3/4"	3/4"	NPT			
CPE-27	1"	1"	BSP			
CPE-28	1"	1"	NPT			
CPE-29	3/4"	1"	BSP			
CPE-30	3/4"	1"	NPT			
CPE-31	1"	3/4"	BSP			
CPE-32	1"	3/4"	NPT			



EX JUNCTION BOXES

CPE



MODEL THREADED COVER

CODE	REFERENCE	THREAD	GAUGE
E008080010	CPE-01	BSP	3/4"
E008090010	CPE-02	NPT	3/4"
E008080020	CPE-03	BSP	1"
E008090020	CPE-04	NPT	1"
E008080030	CPE-05	BSP	1"
E008090030	CPE-06	NPT	1"
E008080040	CPE-07	BSP	1.1/4"
E008090040	CPE-08	NPT	1.1/4"



MODEL SCREW COVER

CODE	REFERENCE	THREAD	GAUGE
E008080090	CPE-21	BSP	3/4"
E008090090	CPE-22	NPT	3/4"
E008080110	CPE-23	BSP	1"
E008090110	CPE-24	NPT	1"



MODEL COVER WITH HOLE

CODE	REFERENCE	THREAD	GAUGE
E008080100	CPE-25	BSP	3/4"
E008090100	CPE-26	NPT	3/4"
E008080120	CPE-27	BSP	1"
E008090120	CPE-28	NPT	1"
E008080130	CPE-29	BSP	BODY 3/4" - COVER 1"
E008090130	CPE-30	NPT	BODY 3/4" - COVER 1"
E008080140	CPE-31	BSP	BODY 1" - COVER 3/4"
E008090140	CPE-32	NPT	BODY 1" - COVER 3/4"



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