

Luminaires

CATALOGUE

Industrial Application

Beghelli

2002/96/CE WEEE directive

The amount of waste from electrical and electronic equipment is increasing (WEEE) amongst which most light sources have been included (fluorescent lamps not included).

The main purpose of the Directive is to prevent WEEE being thrown onto tips or incinerators causing further damage to the environment. The 2002/96/CE Directive has tried to introduce a control mechanism that envisions controlled management of the device at the end of its life span, favouring its re-use or recycling. Moreover, the legislative mechanism promotes design and production concepts that make disposal of the products easier both in terms of dismantling and of materials.

In the case of bulbs, the financing of the activities connected to the collection, management and recycling of WEEE at the end of their life span is guaranteed by a visible fee applied at the moment of sale.

All of the commercial chain is asked to contribute both economically and actively so that the spirit of the Directive is respected (and the environment protected).

Main obligations envisioned

The manufacturer (intended broadly and however substantially whoever places his own brand name on the goods and whoever imports from non-member countries) is responsible for the costs of disposal of their own products at the end of their life span.

The point of sale must receive the product at the end of its life span if the same is replaced with a new one of the same type.

The customer is asked to handle the product at the end of its life span with intelligence taking it to an equipped area, a point of sale or by following instructions provided by the manufacturer.

Beghelli has always been sensitive to environmental problems and is member of the ECOLIGHT consortium to which it gives the whole sum of the visible fee collected.

Choosing products of companies that belong to voluntary consortiums for the recovery and recycling of the goods is a responsible choice and ecologically correct in favour of the environment and our future.

The products that fall within the field of application of the WEEE Directive are identified by the symbol indicated at the side (a version without the bar also exists).



List of products



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Acciaio Tiotto



Industrial lighting

1×18, 1×36, 1×58W

2×18, 2×36, 2×58W



Acciaio Ticinque



Industrial lighting

1×28, 1×49, 1×54, 1×80W

2×28, 2×49, 2×54, 2×80W



Acciaio Quattro

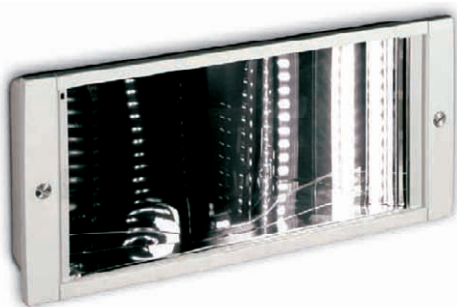
Industrial lighting

4×36, 4×49, 4×58, 4×80W

Energy saving, quick assembly and sturdiness

Acciaio Quattro PL

Industrial lighting
4×55W



Acciaio LED
Emergency lighting
8, 24W



Acciaio F-Light
Outdoor lighting
2×36, 2×55W

Acciaio Beghelli is the ideal solution whenever high-tech products are required for heavy-duty applications. The steel body attached to the lens and the die-cast aluminium end caps are highly resistant to both chemical agents and pouring rain.

Regarding industrial applications, the TiCinque and TiOtto versions are ideally suited for installation in environments with explosive atmosphere as a result of gas-related alterations or combustible dust particles suspended in the air (as per the ATEX Directive 94/9/EC).

Sturdiness and durability: a construction approach

An IP66 fixture

Resistant to the most aggressive agents

The lamp compartment can be accessed by removing the end cap, therefore maintenance operations are greatly simplified while the structure preserves maximum sturdiness and the IP66 protection rating over time.



Conformity to ATEX DIRECTIVE 94/9/EC
FOR ZONES 02 AND 22
for 1× and 2× versions for both T8 and T5

Steel body

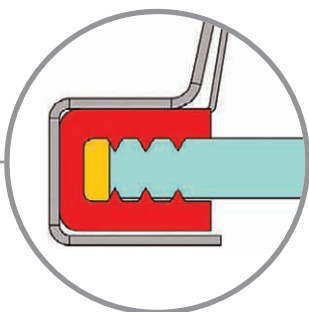
extremely resistant to aggressive chemical agents

Tempered glass screen

for sturdiness and maximum transparency over time

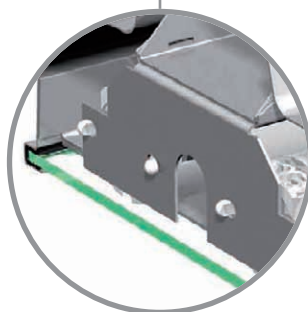
High-reflectivity

polished aluminium reflector for high luminous efficiency



Glass with crimped silicone gasket
guaranteeing protection rating

IP66



Steel body
with incorporated glass



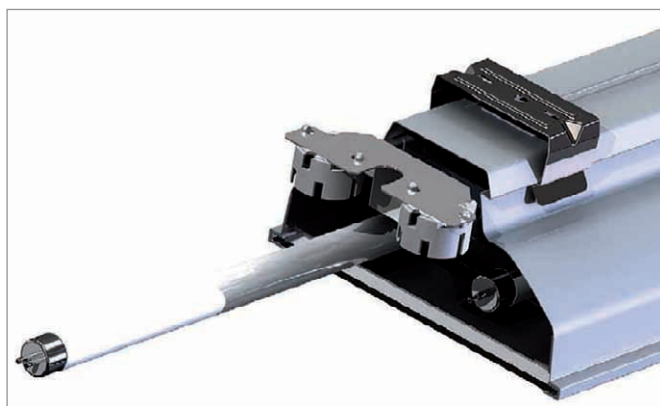
Die-cast aluminium end caps
with stamped silicone basket

Four times quicker installation time coupled with rapid maintenance

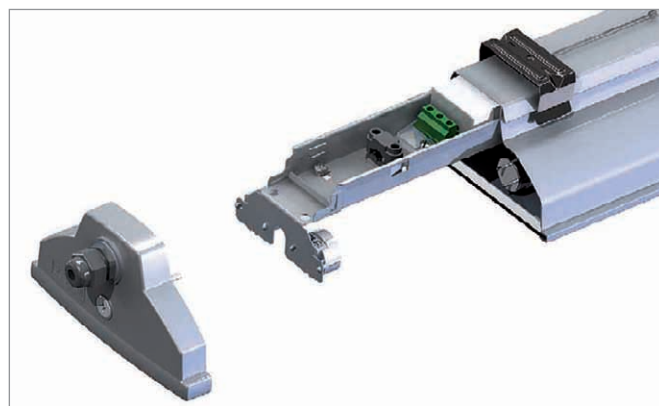
Quick assembly stages, safety explained

The Acciaio Beghelli fixture is designed to facilitate all phases of installation; each component is studied down to the smallest detail to ensure maximum sturdiness and reduce the time required for preparing the fixture prior to installation:

- The fixture does not contain any type of accessory everything required for standard installation is already mounted on the product.



- The diffuser is attached to the body therefore no closing clamps are required. The only opening consists of the die-cast aluminium end cap with central fixing screw.
- The IP66 protection rating is guaranteed by the drastic reduction in the fixture's openings: the only access is protected by a silicone gasket inserted into the end cap groove.
- Thanks to the ATEX-compliant end cap, the product conforms to ATEX requirements and can be used in Zones 02 and 22.



Quick replacement of the fluorescent tubes

The fixture is supplied with the fluorescent tubes already mounted (except for the ACCIAIO T8 version). These can be replaced by removing the end caps and inserting the tubes lengthwise using the self-aligning device for proper positioning. The end cap can be opened in barely a few seconds by loosening a single fixing screw.



Electrical wiring

The quick-extraction compartment ensures easy access to the electronics assembly and terminal board, which is suitably positioned for rapid wiring-up. The sliding compartment slides back into place automatically and is secured by the end cap when closing the fixture.

Closing the end cap

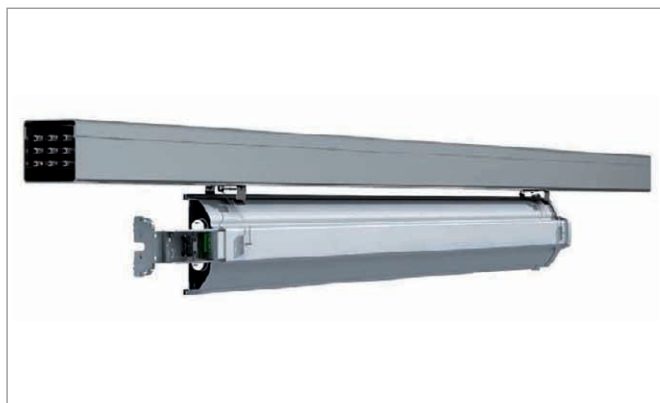
The end cap closes instantly. The self-aligning end cap can be easily repositioned into the housing of the relative silicone gasket that guarantees the IP66 protection rating. The fixing procedure by means of the central screw takes only a few seconds.

Snap-on installation

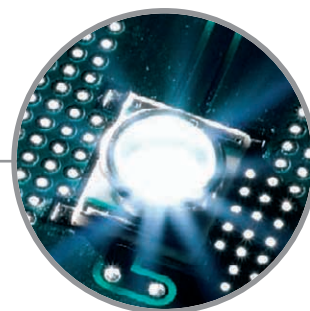
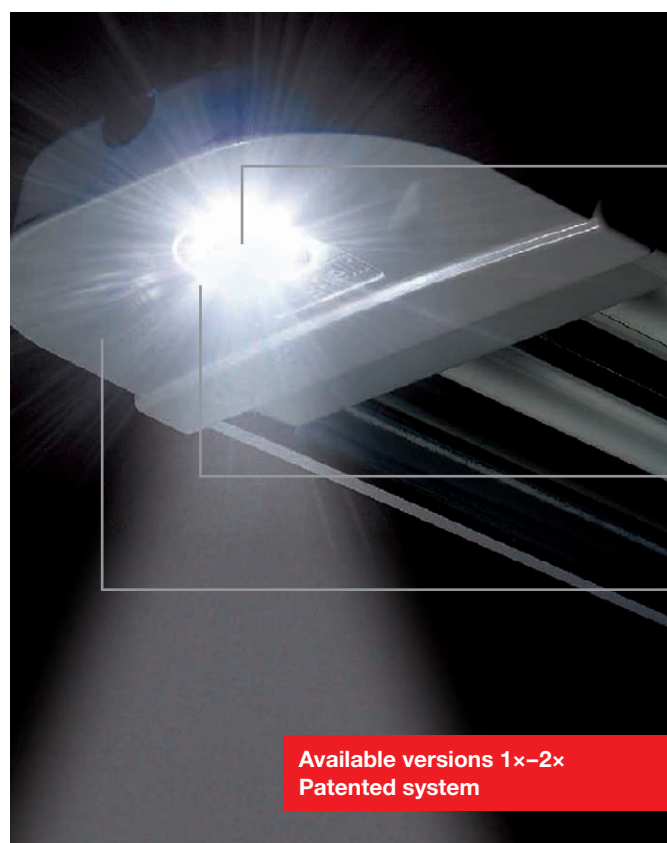
The fixture's fixing brackets are another pivotal element ensuring quick installation and maintenance. The brackets are installed separately from the fixture, which then clips onto the pre-mounted brackets.

Simplified maintenance with the TPS

All maintenance and wiring-up phases are greatly simplified thanks to the fixture's innovative Temporary Positioning System (TPS): once the fixture is unclipped from the fixing brackets, it can be temporarily rotated through 90° to allow for easy access to the removable compartment that houses the fixture's electronics assembly. Once maintenance or wiring-up operations are completed, it is sufficient to reposition the electronics compartment slide, tighten the single fixing screw for the self-centering end cap and clip on the top section of the fixture (that acts as a guide) into the appropriate quick-fix brackets.



Modularity of LED emergency lights



1 W high-efficiency
and long-life LED



Lenticular optic with
ultra-high luminous efficiency
and multicoloured
LED status indicator



NiMH batteries and inverters
integrated into the end cap
outside the lamp body for
improved heat exchange

How to install LED emergency heads

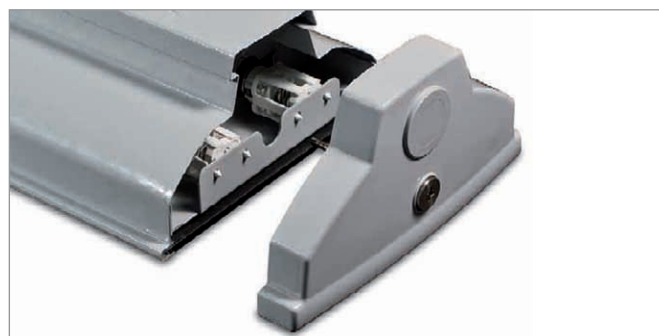
Easy and simple: four steps on two screws

The emergency head substitutes the standard head and it is a completely independent fixture that does not need to be electrically wired to the fluorescent main luminary. This makes possible to

decide at any time of the installation which units should carry the emergency light. The emergency head incorporates both optics and battery pack.



Standard fixture



Standard head and central screw un-tightening



Installation of the emergency head



Central screw tightening

The ultra-high performance sealed fixture

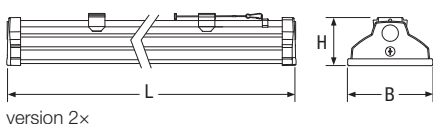
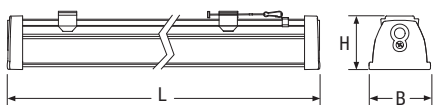
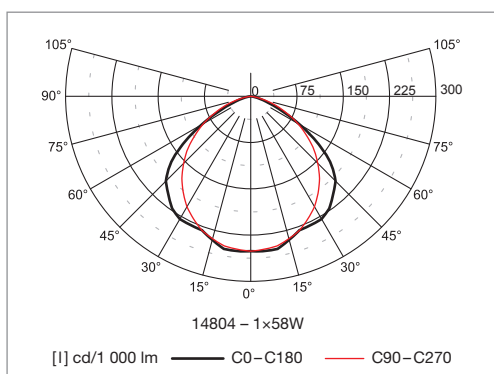
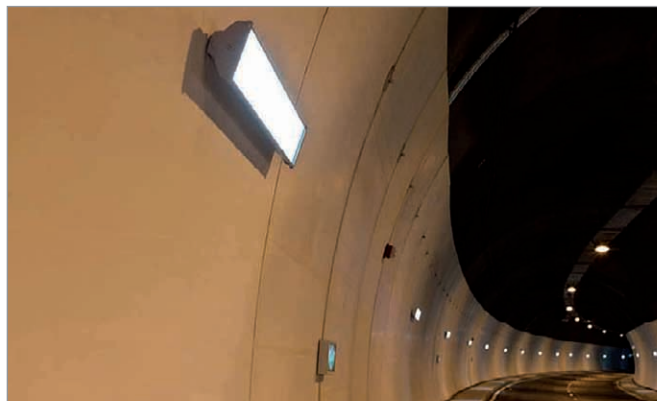


Conformity to ATEX DIRECTIVE 94/9/EC
FOR ZONES 02 AND 22
for 1x and 2x versions for both T8 and T5

The ordering codes and technical specification
of Acciaio ATEX are referred on page 19.

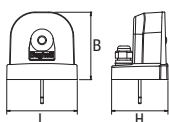
Acciaio T8

Industrial luminaires T8

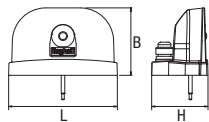


LED emergency head

(Are excluded from the ATEX field of application)



emergency head for version 1x



emergency head for version 2x

Material:

- body: a steel sheet finished by powder technology varnishing
- end caps: die-cast aluminium with central screw fixing system
- color: gray RAL 7035
- reflector: polished aluminium parabolic sheet with excellent luminous efficiency and improved ground light distribution
- diffuser: clear tempered glass fixed to the body by means of a crimped silicone gasket

Ambient temperature: -20 ÷ +40 °C (version with emergency head 0 ÷ +40 °C)

Degree of protection: IP66

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast

Mounting: on a ceiling, on a wall or on pendants

Accessories: (must be ordered separately)

15015 - adjustable ceiling and wall bracket 1-2x

Application: industrial premises, storehouses, production lines, garages, factory halls, farms

Code	Power	Lamp	Cap	L x B x H (mm)	Kg
14800	1x18W	T8	G13	644 x 110 x 88	2,4
14801	2x18W	T8	G13	644 x 170 x 88	2,5
14802	1x36W	T8	G13	1 254 x 110 x 88	3,9
14803	2x36W	T8	G13	1 254 x 170 x 88	4,5
14804	1x58W	T8	G13	1 554 x 110 x 88	4,6
14805	2x58W	T8	G13	1 554 x 170 x 88	5,5

The fixtures are not equipped with the lamps.

Special version: - P (polycarbonate lens); - VS (stratified glass)

Example: to order a luminaire having order code 14803, the code for the special version with stratified glass is 14803VS.

W*	• Dimensions (mm) •			Compatibility	Weight (kg)
	L	B	H		
24	110	105	88	Acciaio T5/T8 1x	0,6
24	169	105	88	Acciaio T5/T8 2x	0,8

* Indicative power just for fluorescent fixtures comparison purpose

AutoTest

Model	W	Code	Description	Version	Autonomy	Battery	n° of LED	SE flux lm	SA flux lm	Input W	Weight kg	Package
1x	24	14810	TESTATA EMERG. LED 1xAT	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	—	2,2	0,6	1
2x	24	14811	TESTATA EMERG. LED 2xAT	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	—	2,2	0,8	1

[LOGICA]

Model	W	Code	Description	Version	Autonomy	Battery	n° of LED	SE flux lm	SA flux lm	Input W	Weight kg	Package
1x	24	14812	TESTATA EMERG. LED 1xLG	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	—	2,2	0,6	1
2x	24	14813	TESTATA EMERG. LED 2xLG	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	—	2,2	0,8	1

[LOGICA]^{fm}

Model	W	Code	Description	Version	Autonomy	Battery	n° of LED	SE flux lm	SA flux lm	Input W	Weight kg	Package
1x	24	14814	TESTATA EMERG. LED 1xLGFM	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	—	2,2	0,6	1
2x	24	14815	TESTATA EMERG. LED 2xLGFM	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	—	2,2	0,8	1



ACCIAIO[®] Beghelli Ticinque

More Light,
greater safety,
improved
energy saving

**6 kg: the lightest “watertight” 2×49
steel fixture on the market**

**Concentrating optic
for high ceiling installation**

**T5 tubes, for maximum lifespan
of the light source**

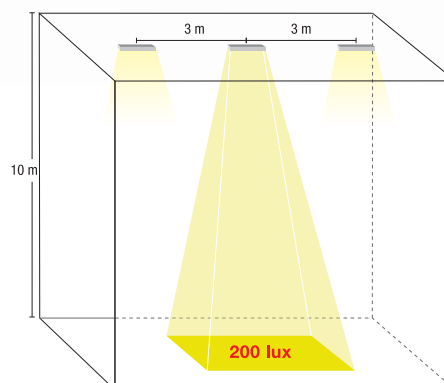


A fixture designed for tall installation heights

The new “watertight” fixtures frontier allows for implementing this type of fixture – in the 2×80W version – in previously unheard of applications, which would otherwise require a far more costly industrial reflector, in terms of both purchase cost and energy consumption. Moreover, installation and maintenance operations on Acciaio Ticinque, which occur at great heights, are significantly quicker and simpler.

Concentrating Version

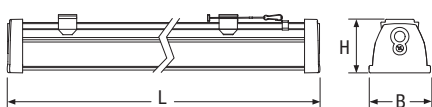
With a mere 16 mm tube diameter, Acciaio Ticinque features a highly efficient optic. The new reflector – specifically the “concentrating” version – generates a light beam that concentrates the light flow within a specific solid angle, therefore the resulting light is particularly suitable for use in vertically-extending warehouses. The light flow concentrated in a narrow solid angle ensures correct ground luminance levels without neglecting vertical surface luminance, thereby significantly fewer fixtures of this type are required compared to fixtures with a wider light beam angle.



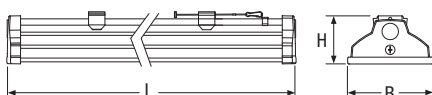
Application example for Acciaio T5 2×80W concentrating version

Acciaio T5

Industrial luminaires T5



version 1x

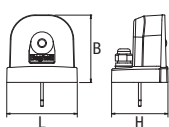


version 2x

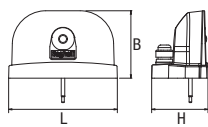
Code	Power	Lamp	Cap	L x B x H (mm)	Weight kg	Reflector
14824	1x28W	T5	G5	1 203 x 110 x 88	4,0	semi-diffuse
14826	1x35W	T5	G5	1 503 x 110 x 88	4,5	semi-diffuse
14828	1x49W	T5	G5	1 503 x 110 x 88	4,5	semi-diffuse
14830	1x54W	T5	G5	1 203 x 110 x 88	4,0	semi-diffuse
14832	1x80W	T5	G5	1 503 x 110 x 88	4,5	semi-diffuse
14825	2x28W	T5	G5	1 203 x 170 x 88	5,0	semi-diffuse
14827	2x35W	T5	G5	1 503 x 170 x 88	6,0	semi-diffuse
14829	2x49W	T5	G5	1 503 x 170 x 88	6,0	semi-diffuse
14831	2x54W	T5	G5	1 203 x 170 x 88	5,0	semi-diffuse
14833	2x80W	T5	G5	1 503 x 170 x 88	6,0	semi-diffuse

LED emergency head

(Are excluded from the ATEX field of application)



emergency head for version 1x



emergency head for version 2x

Material:

- body: a steel sheet finished by powder technology varnishing
- end caps: die-cast aluminium with central screw fixing system
- color: gray RAL 7035
- reflector: polished aluminium parabolic sheet with excellent luminous efficiency and improved ground light distribution
- diffuser: clear tempered glass fixed to the body by means of a crimped silicone gasket

Ambient temperature: -20 ÷ +40 °C (version with emergency head 0 ÷ +40 °C)

Degree of protection: IP66

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast

Mounting: on a ceiling, on a wall or on pendants

Accessories: (must be ordered separately)

15015 – adjustable ceiling and wall bracket 1–2x

Application: industrial premises, warehouses, cellars, factory halls, production lines, farms, garages

Code	Power	Lamp	Cap	L x B x H (mm)	Weight kg	Reflector
14840	1x35W	T5	G5	1 503 x 110 x 88	4,5	concentrating
14842	1x49W	T5	G5	1 503 x 110 x 88	4,5	concentrating
14846	1x80W	T5	G5	1 503 x 110 x 88	4,5	concentrating
14841	2x35W	T5	G5	1 503 x 170 x 88	6,0	concentrating
14843	2x49W	T5	G5	1 503 x 170 x 88	6,0	concentrating
14847	2x80W	T5	G5	1 503 x 170 x 88	6,0	concentrating

The fixtures are equipped with the lamps.

Special version: – P (polycarbonate lens); – VS (stratified glass)

Example: to order a light having order code 14824, the code for the special version with stratified glass is 14824VS.

W*	• Dimensions (mm) •			Compatibility	Weight (kg)
	L	B	H		
24	110	105	88	Acciaio T5/T8 1x	0,6
24	169	105	88	Acciaio T5/T8 2x	0,8

* Indicative power just for fluorescent fixtures comparison purpose

AutoTest

Model	W	Code	Description	Version	Autonomy	Battery	n° of LED	SE flux lm	SA flux lm	Input W	Weight kg	Package
1x	24	14810	TESTATA EMERG. LED 1xAT	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	–	2,2	0,6	1
2x	24	14811	TESTATA EMERG. LED 2xAT	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	–	2,2	0,8	1

[LOGICA]

Model	W	Code	Description	Version	Autonomy	Battery	n° of LED	SE flux lm	SA flux lm	Input W	Weight kg	Package
1x	24	14812	TESTATA EMERG. LED 1xLG	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	–	2,2	0,6	1
2x	24	14813	TESTATA EMERG. LED 2xLG	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	–	2,2	0,8	1

[LOGICA]fm

Model	W	Code	Description	Version	Autonomy	Battery	n° of LED	SE flux lm	SA flux lm	Input W	Weight kg	Package
1x	24	14814	TESTATA EMERG. LED 1xLGFM	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	–	2,2	0,6	1
2x	24	14815	TESTATA EMERG. LED 2xLGFM	SE	1 h	NiMH 7,2 V 0,6 Ah	1	180	–	2,2	0,8	1



ACCIAIO[®] Beghelli Quattro

Energy
saving and
immediate
re-ignition



The ideal solution for energy saving and consistent lighting performance

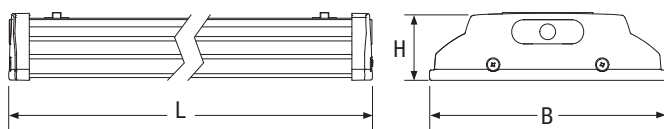
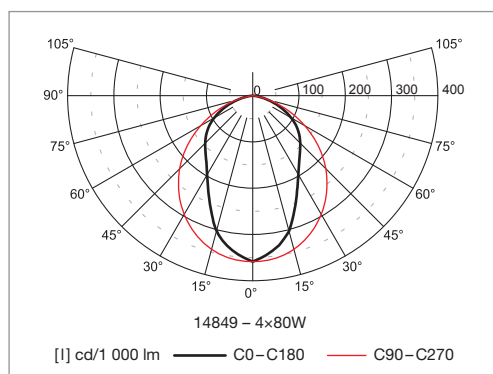
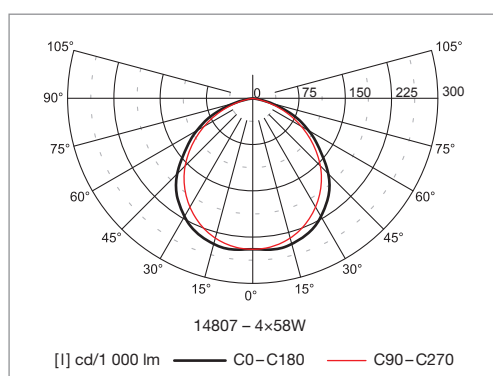
Acciaio Quattro is a particularly characteristic fixture of the Acciaio Beghelli professional range. The product's lighting features make it highly suitable for replacing traditional HighBay industrial reflectors, so as to improve the overall features of the system from an energy and performance perspective.

Reduced bulk for installation near moving bridge cranes

A further advantage of the Acciaio Quattro fixture is its compact height. If installed in facilities that mount moving bridge cranes or other moving structures, the product's compact dimensions ensure greater freedom in handling materials inside factories, also at tall heights.

Acciaio Quattro

Industrial luminaires T8, T5



Code	Power	Lamp	Cap	L x B x H (mm)	Weight kg	Reflector
14806	4x36W	T8	G13	1 258 x 315 x 90	10,0	semi-diffuse
14807	4x58W	T8	G13	1 558 x 315 x 90	12,0	semi-diffuse
14848	4x49W	T5	G5	1 506 x 315 x 90	13,0	concentrating
14849	4x80W	T5	G5	1 506 x 315 x 90	13,0	concentrating

The fixtures are equipped with the lamps.



Material:

- body: a steel sheet finished by powder technology varnishing
- end caps: die-cast aluminium end caps with double-screw fixing system and self-aligning guides with silicone gasket.
- color: gray RAL 7035
- reflector: high-reflectivity aluminium double parabolic reflector with complex parabolic profile for excellent luminous efficiency and improved ground light distribution
- diffuser: clear tempered glass fixed to the body by means of a crimped silicone gasket

Ambient temperature: -20 ÷ +40 °C

Degree of protection: IP66

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast

Mounting: on a ceiling or on pendants

Application: industrial premises, exhibition halls, warehouses, factory halls, production lines

ACCIAIO[®] Beghelli Quattro**PL**

More light,
improved
energy saving,
reduced bulk



The ideal solution for energy saving and consistent lighting performance

Acciaio Quattro PL boasts lighting features that make this product particularly suitable for replacing traditional High Bay industrial reflectors, so as to improve the overall features of the system from an energy and performance perspective.

Reduced bulk for installation near moving bridge cranes

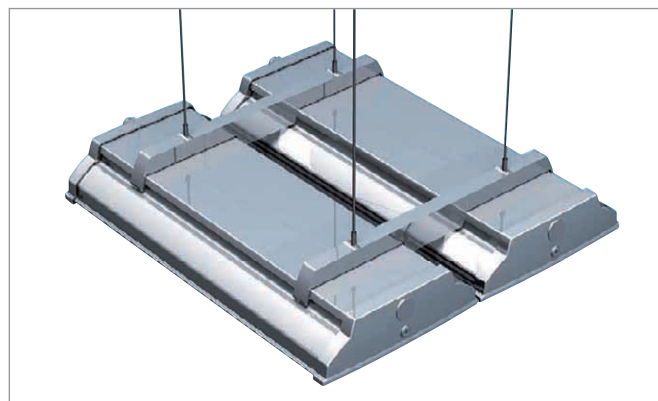
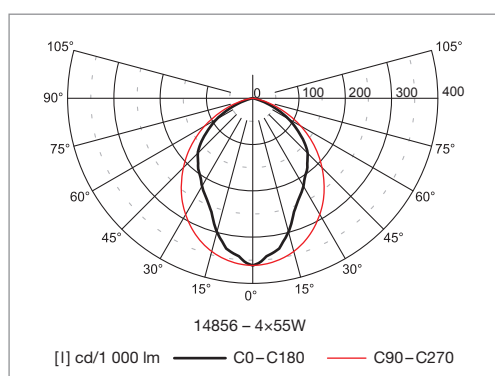
A further advantage of the Acciaio Quattro PL fixture is its compact height. If installed in facilities that mount moving bridge cranes or other moving structures, the product's compact dimensions ensure greater freedom in handling materials inside factories, also at tall heights.

Acciaio Quattro PL

Industrial luminaires for compact fluorescent lamps



New



Material:

- body: a steel sheet finished by powder technology varnishing
- end caps: die-cast aluminium end caps with double-screw fixing system and self-aligning guides with silicone gasket
- color: gray RAL 7035
- reflector: high-reflectivity aluminium double parabolic reflector with complex parabolic profile for excellent luminous efficiency and improved ground light distribution
- diffuser: clear tempered glass fixed to the body by means of a crimped silicone gasket

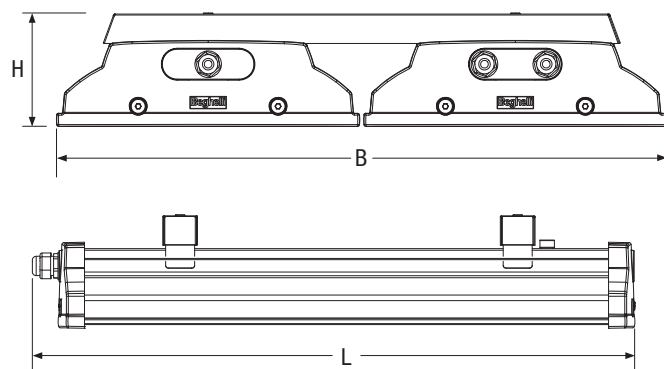
Degree of protection: IP66

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast

Mounting: on pendants

Application: industrial premises, factory halls, warehouses, supermarkets



Code	Power	Lamp	Cap	L × B × H (mm)	Kg
14856	4x55W	compact fl. lamp	2G11	600 × 633 × 117	13,5

The fixtures are equipped with the lamps.

ACCIAIO[®]
Beghelli

F-light

Improved
energy saving,
greater
intervention safety



**Goniometric bracket
and integrated adjustable twilight sensor**

The innovative twilight sensor adjustment system “reads” light in a selective manner thus avoiding accidental activation of the photocell due to unwanted light sources. Moreover, the fixing bracket with goniometric adjustment ensures accurate projection of the light beam for all types of installation.

Acciaio F-light

Floodlights



Code	Power	Lamp	Cap	L × B × H (mm)	Kg
14863	2×36W	compact fl. lamp	2G11	495 × 315 × 89	6,0
14865	2×55W	compact fl. lamp	2G11	600 × 315 × 89	7,0

The fixtures are equipped with the lamps.



Floodlight for indoors and outdoors with integrated adjustable twilight sensor that, thanks to an appropriate prismatic lens, “reads” light in a unidirectional way to prevent accidental activation of the photocell. The photocell can be set to two different light sensitivity levels and can be easily disengaged during wiring-up operations, if necessary.

Material:

- body: a steel sheet finished by powder technology varnishing
- end caps: die-cast aluminium end caps with double-screw fixing system and self-aligning guides with silicone gasket
- color: gray RAL 7035
- reflector: high-reflectivity aluminium double parabolic reflector with complex parabolic profile for excellent luminous efficiency and improved ground light distribution
- diffuser: clear tempered glass fixed to the body by means of a crimped silicone gasket

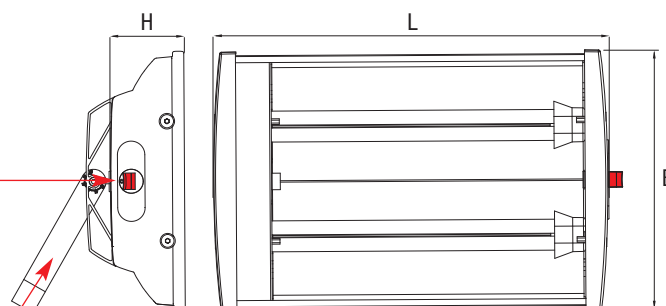
Degree of protection: IP66

Rated voltage: 230 V/50 Hz

Control gear: electronic with automatic turning on and integrated twilight sensor

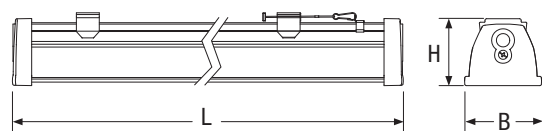
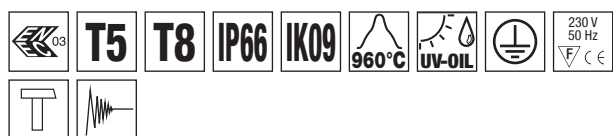
Mounting: ground, wall-mounted

Application: building exteriors and monuments, parking lots, shop windows, billboards, gardens

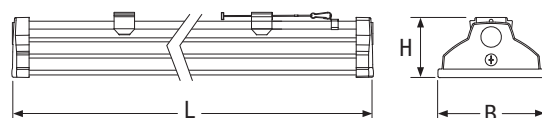


Acciaio Xtreme

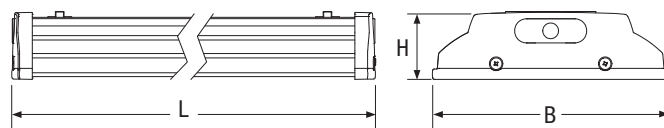
Industrial luminaires T5 and T8 for extreme ambient temperature



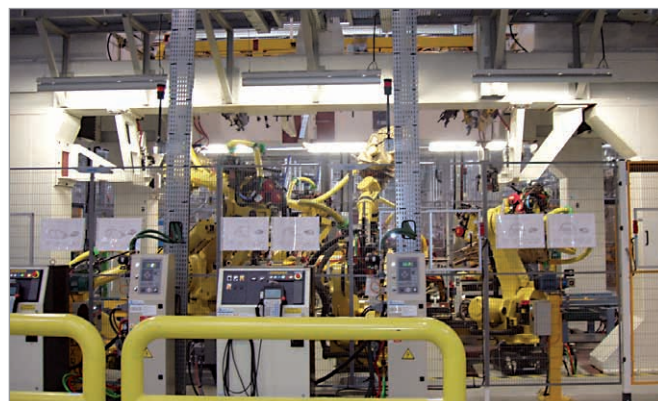
version 1x



version 2x



version 4x



Material:

- body: a flat steel drawn galvanized reinforced. Painted with high impact resistant polyester powder paint.
- end caps: die-cast aluminium with central screw fixing system, extruded silicon rubber gasket integrated
- color: gray RAL 7035
- reflector: polished aluminium parabolic sheet with excellent luminous efficiency and improved ground light distribution
- diffuser: clear tempered glass fixed to the body by means of a crimped silicone gasket

Degree of protection: IP66

Rated voltage:

AC voltage range – 198–264 V

DC voltage range – 176–208 V

Overvoltage protection – 320 V AC, 1h

Control gear: electronic ballast EEI = A2

Mounting: on a ceiling, on a wall or on pendants

Accessories: (must be ordered separately)

15015 – adjustable ceiling and wall bracket 1–2x

Application: industrial premises, factory halls, tunnel lighting, storehouses, car parks, cool cabinets, farms and garages

The lighting fixtures are especially designed for use in difficult environments where the ambient temperature is low or high (-30°C ÷ 60°C)

Code	Power	Lamp	Cap	L × B × H (mm)	Weight kg	Ambient temperature	Reflector
14802/T60T	1×36W	T8	G13	1 254 × 110 × 88	3,9	-30 °C < ta < 60 °C	semi-diffuse
14803/T60T	2×36W	T8	G13	1 254 × 170 × 88	4,5	-30 °C < ta < 60 °C	semi-diffuse
14804/T60T	1×58W	T8	G13	1 554 × 110 × 88	4,6	-30 °C < ta < 60 °C	semi-diffuse
14805/T60T	2×58W	T8	G13	1 554 × 170 × 88	5,5	-30 °C < ta < 60 °C	semi-diffuse
14806/T60T	4×36W	T8	G13	1 258 × 315 × 90	10,0	-30 °C < ta < 60 °C	semi-diffuse
14807/T60T	4×58W	T8	G13	1 558 × 315 × 90	12,0	-30 °C < ta < 60 °C	semi-diffuse
14830/T60T	1×54W	T5	G5	1 203 × 110 × 88	4,0	-30 °C < ta < 60 °C	semi-diffuse
14831/T60T	2×54W	T5	G5	1 203 × 170 × 88	5,0	-30 °C < ta < 60 °C	semi-diffuse
14828/T60T	1×49W	T5	G5	1 503 × 110 × 88	4,5	-30 °C < ta < 60 °C	semi-diffuse
14829/T60T	2×49W	T5	G5	1 503 × 170 × 88	6,0	-30 °C < ta < 60 °C	semi-diffuse
14832/T60T	1×80W	T5	G5	1 503 × 110 × 88	4,5	-30 °C < ta < 60 °C	semi-diffuse
14833/T60T	2×80W	T5	G5	1 503 × 170 × 88	6,0	-30 °C < ta < 50 °C	semi-diffuse
14844/T60T	1×54W	T5	G5	1 203 × 110 × 88	4,0	-30 °C < ta < 60 °C	concentrating
14845/T60T	2×54W	T5	G5	1 203 × 170 × 88	5,0	-30 °C < ta < 60 °C	concentrating
14842/T60T	1×49W	T5	G5	1 503 × 110 × 88	4,5	-30 °C < ta < 60 °C	concentrating
14843/T60T	2×49W	T5	G5	1 503 × 170 × 88	6,0	-30 °C < ta < 60 °C	concentrating
14846/T60T	1×80W	T5	G5	1 503 × 110 × 88	4,5	-30 °C < ta < 60 °C	concentrating
14847/T60T	2×80W	T5	G5	1 503 × 170 × 88	6,0	-30 °C < ta < 50 °C	concentrating
14848/T60T	4×49W	T5	G5	1 506 × 315 × 90	13,0	-30 °C < ta < 60 °C	concentrating
14849/T60T	4×80W	T5	G5	1 506 × 315 × 90	13,0	-30 °C < ta < 50 °C	concentrating

Features:

- reliability of ballast and luminaire 100000h (luminaire at 40 °C)
- high immunity to on line voltages peaks (up to 4kV)
- preheat lamp ignition (<1,5 sec)
- suitable for emergency lighting (EN50172)
- ventilation gland to avoid moisture

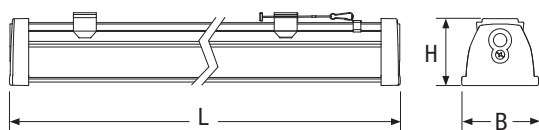
The fixtures are not equipped with the lamps.

 luminaire intended for Rough Service (IEC 60598-1)

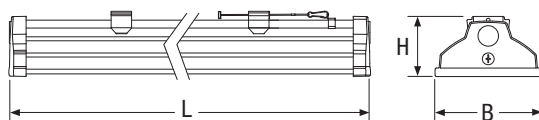
 the capability of luminaire to operate in presence of vibration Rough Service (IEC 60598-1)

Acciaio ATEX

Industrial luminaires T5 and T8 for potentially explosive atmospheres – Zone 2, 22



version 1x



version 2x



Material:

- body: a steel sheet finished by powder technology varnishing
- end caps: die-cast aluminium with central screw fixing system
- color: gray RAL 7035
- reflector: polished aluminium parabolic sheet with excellent luminous efficiency and improved ground light distribution
- diffuser: clear tempered glass fixed to the body by means of a crimped silicone gasket

Degree of protection: IP66

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast

Mounting: on a ceiling, on a wall or on pendants

Accessories: (must be ordered separately)

15015 – adjustable ceiling and wall bracket 1–2x

Application:

inside and outside premises with a danger of explosion



**Conformity to ATEX DIRECTIVE 94/9/EC
FOR ZONES 02 AND 22
for 1x and 2x versions for both T8 and T5**

ATEX APPLICATIONS

Environments with the presence of gas – zone 02

- GROUP II PRODUCT (only installable in environments other than mines)
- CATEGORY: 3G (with presence of gas and normal explosion risk level) PROTECTION METHOD: Ex nA (in conformity to the EN 60079-15 standard; “Non-Sparking”: during normal operation, the product does not generate conditions that may trigger off sparks in explosive atmospheres).
- GAS GROUP: IIB
- TEMPERATURE CLASS: T4 (135 °C) – Maximum surface temperature of the main components with an ambient temperature of 40 °C.

Environments with the presence of dust – zone 22

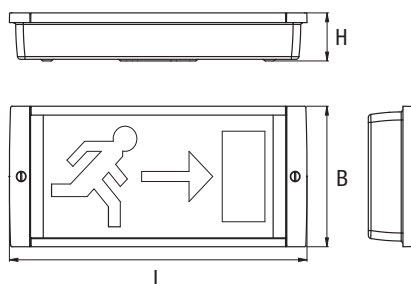
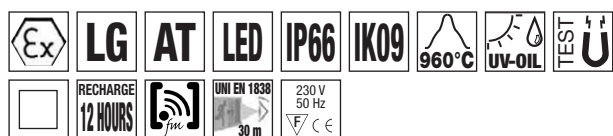
- GROUP II PRODUCT (only installable in environments other than mines)
- CATEGORY: 3D (with DUST and normal explosion risk level)
- PROTECTION METHOD: Ex tD (in conformity to the EN 61241-1 standard. The electrical appliances are protected by an IP66-compliant casing that prevents dust layers or dust clouds from sparking off).
- IP METHOD and ZONE: A22 tested in accordance with method A as specified in the EN 61241-1 standard and, therefore, suitable for installation in zone 22.
- TEMPERATURE CLASS: T5 (100 °C) – Maximum surface temperature of the main components with an ambient temperature of 40 °C.

Code	Power	Lamp	Cap	L x B x H (mm)	Kg
14800/A	1x18W	T8	G13	644 x 110 x 88	2,4
14801/A	2x18W	T8	G13	644 x 170 x 88	2,5
14802/A	1x36W	T8	G13	1 254 x 110 x 88	3,9
14803/A	2x36W	T8	G13	1 254 x 170 x 88	4,5
14804/A	1x58W	T8	G13	1 554 x 110 x 88	4,6
14805/A	2x58W	T8	G13	1 554 x 170 x 88	5,5
14824/A	1x28W	T5	G5	1 203 x 110 x 88	4,0
14825/A	2x28W	T5	G5	1 203 x 170 x 88	5,0
14826/A	1x35W	T5	G5	1 503 x 110 x 88	4,5
14827/A	2x35W	T5	G5	1 503 x 170 x 88	6,0
14828/A	1x49W	T5	G5	1 503 x 110 x 88	4,5
14829/A	2x49W	T5	G5	1 503 x 170 x 88	6,0
14830/A	1x54W	T5	G5	1 203 x 110 x 88	4,0
14831/A	2x54W	T5	G5	1 203 x 170 x 88	5,0
14832/A	1x80W	T5	G5	1 503 x 110 x 88	4,5
14833/A	2x80W	T5	G5	1 503 x 170 x 88	6,0

The fixtures are not equipped with the lamps.

Acciaio LED

Emergency lighting fixtures for heavy installations in high risk areas



W**	• Dimensions (mm) •			Lamp
	L	B	H	
8-24	391	174	59,5	LED

** Indicative power just for fluorescent fixtures comparison purpose

ACCESSORIES: PROVIDED

Code	Description	Pcs
15009	RH/LH low screen (version SE AT excluded)	1

ACCESSORIES: MUST BE ORDERED SEPARATELY

Code	Description	Pcs
15010	RH/LH flag screen	1
15011	DH flag screen	1
15012	false ceiling / recessed bracket	1
15016	bracket for flag installation	1
15017	ATEX kit	1



In industrial areas, the product has its ideal location in explosive environment installations, due to gas or flammable dust in the air (ATEX 94/9/CE).

Acciaio Beghelli is also with a revolutionary test system: a magnetic switch allows to execute the functional test of the fitting just approaching the magnet in order to verify the correct operation of the luminaire.

Material:

- body: die-cast aluminium, screws in stainless steel
- color: gray RAL 7035
- reflector: made of polish aluminium 99,99 % anti-iridescent with double reflection optic system in order to achieve an high uniform luminance
- light source: the double line of high efficiency LED has a special additional lens to uniform the luminance on the screen
- diffuser: clear tempered glass

Degree of protection: IP66

Rated voltage: 230 V/50 Hz

Mounting: recessed, wall-mounted, ceiling-mounted, false-ceiling mounted, flag mounted

Versions: SE, SA, HT, Maintained (SA)/Non-Maintained (SE)/Public show (PS) settable through DIP switch in LG and LGFM versions

Conformity: EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222 DIN 4844-1, ISO 7010 ATEX 94/9/CE for zone 2-22 (Installing the proper ATEX kit)

Application: industrial areas, storehouses, cellars, factory halls, farms, high risk areas

AutoTest

	W	Code	Description	Version	Autonomy	Battery	n° of LED	SE flux* lm	SA flux* lm	Absorption W	Weight kg	Package
	8	15000	ACC LED 8W SE AT 1N	SE	1 h	NiCd 7,2 V 0,75 Ah	24	160	—	1	2,5	6
	8	15001	ACC LED 8W SA AT 1N	SA	1 h	NiCd 7,2 V 0,75 Ah	24	160	96	3,5	2,5	6
	24	15002	ACC LED 24W SE AT 1N	SE	1 h	NiCd 7,2 V 0,75 Ah	24	224	—	1	2,5	6
	24	15003	ACC LED 24W SA AT 1N	SA	1 h	NiCd 7,2 V 0,75 Ah	24	224	135	6,5	2,5	6

* indicative power just for fluorescent fixtures comparison purpose

W	Code	Description	Version	Autonomy	Battery	n° of LED	SE flux* lm	SA flux* lm	Absorption W	Weight kg	Package
8	15004	ACC LED 8W SE/SA/PS LG 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7,2 V 1,2 Ah	24	160/160/90	112	1/3,5	2,5	6
24	15006	ACC LED 24W SE/SA/PS LG 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7,2 V 1,2 Ah	24	224/224/125	157	1/6,5	2,5	6

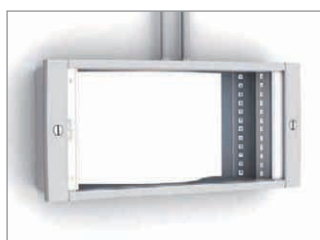
* indicative power just for fluorescent fixtures comparison purpose



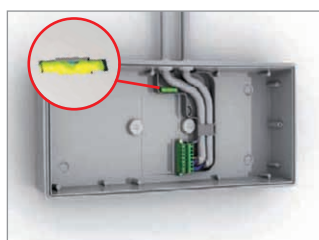
W	Code	Description	Version	Autonomy	Battery	n° of LED	SE flux* lm	SA flux* lm	Absorption W	Weight kg	Package
8	15005	ACC LED 8W SE/SA/PS LGFM 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7,2 V 1,2 Ah	24	160/160/90	112	2/4,5	2,5	6
24	15007	ACC LED 24W SE/SA/PS LGFM 1/2/3H	SE/SA/PS	1/2/3 h	NiMH 7,2 V 1,2 Ah	24	224/224/125	157	2/7,5	2,5	6

* indicative power just for fluorescent fixtures comparison purpose

WALL/CEILING INSTALLATION – FAST TERMINAL AND LEVEL INDICATOR



Terminal for cables from 1 to 2,5 mm² with two inputs for each terminal



RECESSED WALL INSTALLATION



15012 bracket for recessed installation



to be ordered separately

FLAG CEILING INSTALLATION/FALSE CEILING INSTALLATION



15010 housing + flag screen RH/LH

15011 housing + flag screen low

15012 false ceiling / recessed bracket



to be ordered separately

to be ordered separately

to be ordered separately

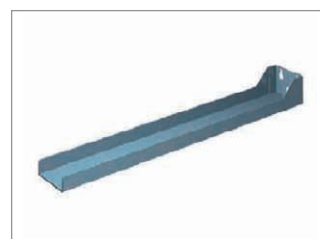
WALL FLAG INSTALLATION



15016 bracket for flag installation

15010 housing + flag screen LH/RH

15011 housing + flag screen low



to be ordered separately

to be ordered separately

to be ordered separately

CEILING RECESSED INSTALLATION



15012 false ceiling / recessed bracket



Rozměry: 378 × 163 mm

to be ordered separately

MAGNETIC FIXTURE TEST BUTTON

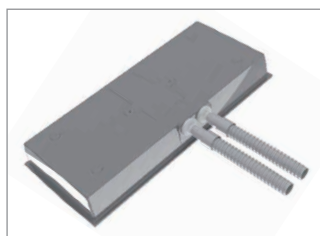


– REED ampoule and magnetic key



included

INVISIBLE CONNECTOR

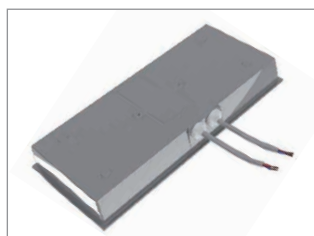


No.2 invisible connectors



included

IP PLUG FOR WIRING



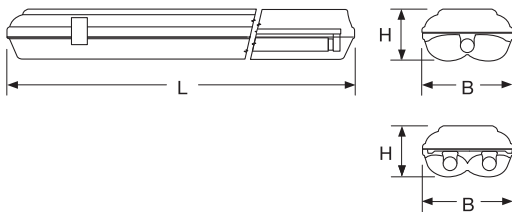
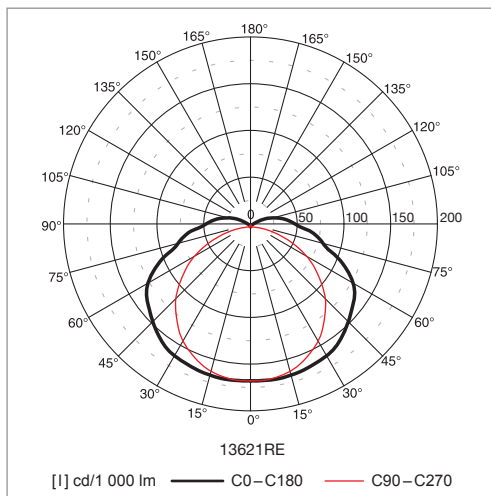
No.2 invisible connectors



included

Leader | BS101

Industrial luminaires T8 (white reflector)



salvaspazio

Code	Power	Lamp	Cap	L × B × H (mm)	Kg
13616	1×18W	T8	G13	674 × 121 × 82	1,8
13617	2×18W	T8	G13	674 × 121 × 82	1,9
13618	1×36W	T8	G13	1 264 × 121 × 82	2,5
13619	2×36W	T8	G13	1 264 × 121 × 82	3,1
13620	1×58W	T8	G13	1 564 × 121 × 82	3,4
13621	2×58W	T8	G13	1 564 × 121 × 82	4,5
13616RE	1×18W	T8	G13	674 × 121 × 82	1,5
13617RE	2×18W	T8	G13	674 × 121 × 82	1,6
13618RE	1×36W	T8	G13	1 264 × 121 × 82	2,2
13619RE	2×36W	T8	G13	1 264 × 121 × 82	2,8
13620RE	1×58W	T8	G13	1 564 × 121 × 82	3,1
13621RE	2×58W	T8	G13	1 564 × 121 × 82	3,8

Note: The Salvaspazio version is supplied in a package minimum 3 pieces or multiple (with the exception of emergency versions).

The fixtures are not equipped with the lamps.

Version with inverter – TR (example: code 13621 becomes 13621TR)

Material:

- body: injection molded, self-extinguishing UV-stabilized polycarbonate
- color: gray RAL 7035
- reflector: white
- diffuser: clear polycarbonate

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: low loss ballast or electronic ballast with the highest energy savings. Dimmable ballasts, fast connectors Wieland, MPM and emergency versions on request (only for version Salvaspazio)

Mounting: on ceilings, suspension on chain pendants

Application: washrooms, factory halls, farms, cellars, store houses

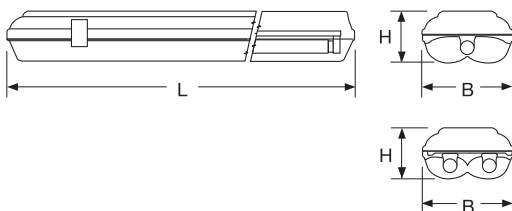
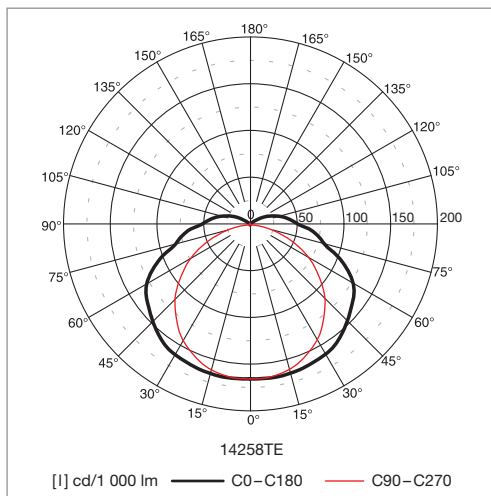
salvatempo

Code	Power	Lamp	Cap	L × B × H (mm)	Kg
14618	1×36W	T8	G13	1 264 × 121 × 82	2,0
14619	2×36W	T8	G13	1 264 × 121 × 82	2,3
14620	1×58W	T8	G13	1 564 × 121 × 82	3,7
14621	2×58W	T8	G13	1 564 × 121 × 82	4,9
14618RE	1×36W	T8	G13	1 264 × 121 × 82	1,7
14619RE	2×36W	T8	G13	1 264 × 121 × 82	2,0
14620RE	1×58W	T8	G13	1 564 × 121 × 82	3,4
14621RE	2×58W	T8	G13	1 564 × 121 × 82	4,2

Note: The Salvatempo version comprises pre-installed fluorescent lamps, pre-wired Quick connector and plastic clips already mounted.

Leader | BS103

Industrial luminaires T8 (highly polished polycarbonate reflector)



salvaspazio

Code	Power	Lamp	Cap	L x B x H (mm)	Kg
14118	1x18W	T8	G13	674 x 121 x 82	1,8
14218	2x18W	T8	G13	674 x 121 x 82	1,9
14136	1x36W	T8	G13	1 264 x 121 x 82	2,6
14236	2x36W	T8	G13	1 264 x 121 x 82	3,1
14158	1x58W	T8	G13	1 564 x 121 x 82	3,7
14258	2x58W	T8	G13	1 564 x 121 x 82	4,9
14118TR	1x18W	T8	G13	674 x 121 x 82	1,8
14218TR	2x18W	T8	G13	674 x 121 x 82	1,9
14136TR	1x36W	T8	G13	1 264 x 121 x 82	2,6
14236TR	2x36W	T8	G13	1 264 x 121 x 82	3,1
14158TR	1x58W	T8	G13	1 564 x 121 x 82	3,7
14258TR	2x58W	T8	G13	1 564 x 121 x 82	4,9

Note: The Salvaspazio version is supplied in a package minimum 3 pieces or multiple (with the exception of emergency versions).
The luminaires are supplied including stainless steel clips and without lamps.
Version with inverter – TR (example: code 14258 becomes 14258TR)

Material:

- body: injection molded, self-extinguishing UV-stabilized polycarbonate
- color: gray RAL 7035
- reflector: highly polished polycarbonate
- diffuser: clear polycarbonate

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast with the highest energy savings. Dimmable ballasts, fast connectors Wieland, MPM and emergency versions on request (only for version Salvaspazio)

Mounting: on ceilings, suspension on chain pendants

Application: washrooms, factory halls, farms, cellars, store houses

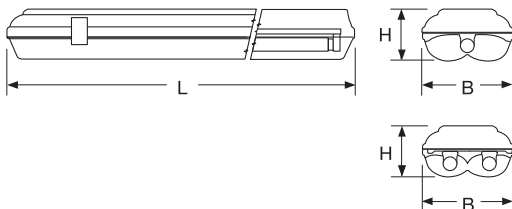
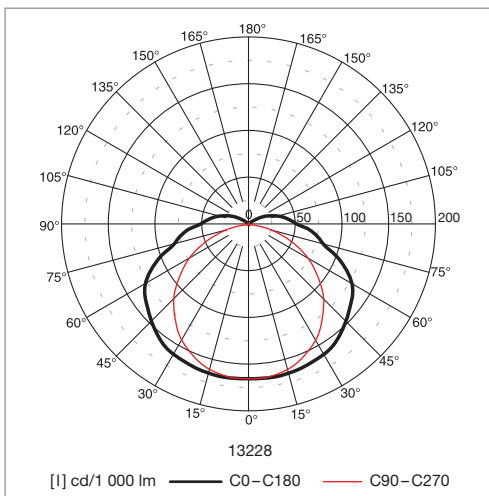
salvatempo

Code	Power	Lamp	Cap	L x B x H (mm)	Kg
14136TE	1x36W	T8	G13	1 264 x 121 x 82	2,6
14236TE	2x36W	T8	G13	1 264 x 121 x 82	3,1
14158TE	1x58W	T8	G13	1 564 x 121 x 82	3,7
14258TE	2x58W	T8	G13	1 564 x 121 x 82	4,9

Note: The Salvatempo version comprises pre-installed fluorescent lamps, pre-wired Quick connector and stainless steel clips already mounted.

Leader | BS111

Industrial luminaires T5 (white varnished steel sheet reflector)



Code	Power	Lamp	Cap	L × B × H (mm)	Kg
13114	1×14W	T5	G5	674 × 121 × 82	1,9
13124	1×24W	T5	G5	674 × 121 × 82	1,9
13128	1×28W	T5	G5	1 264 × 121 × 82	2,6
13135	1×35W	T5	G5	1 564 × 121 × 82	3,5
13149	1×49W	T5	G5	1 564 × 121 × 82	3,5
13154	1×54W	T5	G5	1 264 × 121 × 82	2,6
13180	1×80W	T5	G5	1 564 × 121 × 82	3,5
13214	2×14W	T5	G5	674 × 121 × 82	2,0
13224	2×24W	T5	G5	674 × 121 × 82	2,0
13228	2×28W	T5	G5	1 264 × 121 × 82	3,1
13235	2×35W	T5	G5	1 564 × 121 × 82	4,2
13249	2×49W	T5	G5	1 564 × 121 × 82	4,2
13254	2×54W	T5	G5	1 264 × 121 × 82	3,1

Note: The luminaires are supplied in a package minimum 3 pieces or multiple (with the exception of emergency versions).

The luminaires are supplied including plastic clips and without lamps.

Version with inverter – TR (example: code 13128 becomes 13128TR)

Material:

- body: injection molded, self-extinguishing UV-stabilized polycarbonate
- color: gray RAL 7035
- reflector: white varnished steel sheet
- diffuser: clear polycarbonate

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

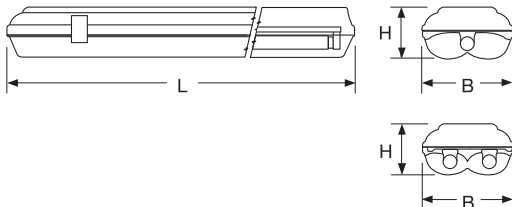
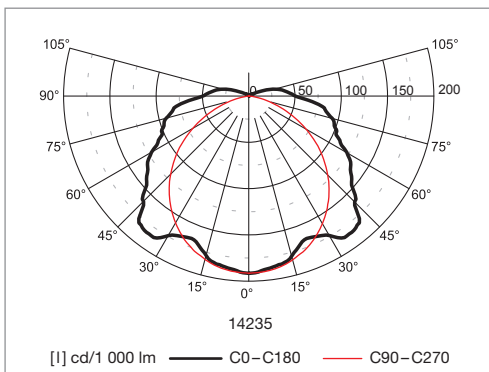
Control gear: electronic ballast with the highest energy savings. Dimmable ballasts and fast connectors Wieland or MPM are on request. The luminaires are offered in emergency version (with the exception of 14W, 24W and 2×54W).

Mounting: on ceilings, suspension on chain pendants

Application: washrooms, factory halls, farms, cellars, store houses

Leader | BS113

Industrial luminaires T5 (highly polished polycarbonate reflector)



Code	Power	Lamp	Cap	L × B × H (mm)	Kg
14114	1×14W	T5	G5	674 × 121 × 82	1,6
14124	1×24W	T5	G5	674 × 121 × 82	1,6
14128	1×28W	T5	G5	1 264 × 121 × 82	2,3
14135	1×35W	T5	G5	1 564 × 121 × 82	3,2
14149	1×49W	T5	G5	1 564 × 121 × 82	3,2
14154	1×54W	T5	G5	1 264 × 121 × 82	2,3
14214	2×14W	T5	G5	674 × 121 × 82	1,7
14224	2×24W	T5	G5	674 × 121 × 82	1,7
14228	2×28W	T5	G5	1 264 × 121 × 82	2,9
14235	2×35W	T5	G5	1 564 × 121 × 82	3,9
14249	2×49W	T5	G5	1 564 × 121 × 82	3,9

Note: The luminaires are supplied in a package minimum 2 pieces or multiple (with the exception of emergency versions).

The luminaires are supplied including stainless steel clips and without lamps.

Version with inverter – TR (example: code 14135 becomes 14135TR)



Material:

- body: injection molded, self-extinguishing UV-stabilized polycarbonate
- color: gray RAL 7035
- reflector: highly polished polycarbonate
- diffuser: clear polycarbonate

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

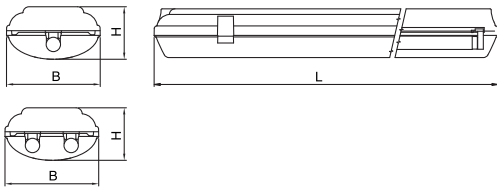
Control gear: electronic ballast with the highest energy savings. Dimmable ballasts and fast connectors Wieland or MPM are on request. The luminaires are offered in emergency version (with the exception of 14W, 24W).

Mounting: on ceilings, suspension on chain pendants

Application: washrooms, factory halls, farms, cellars, store houses

Leader | 21-01, 21-04

Industrial luminaires T8, T5 (white varnished steel sheet reflector 21-01, highly polished aluminium reflector 21-04)



Interconnecting cables:

Set for the luminaire	3 × 1,5 mm ²	3 × 2,5 mm ²	5 × 1,5 mm ²	5 × 2,5 mm ²
18W	99-180	99-181	99-182	99-183
36W	99-184	99-185	99-186	99-187
58W	99-188	99-189	99-190	99-191

Code	Reflector	Power	Lamp	Cap	L × B × H (mm)	Kg
21-043/218/1Y	polished AL	2×18W	T8	G13	670 × 170 × 95	2,7
21-043/236/1Y	polished AL	2×36W	T8	G13	1 280 × 170 × 95	3,7
21-043/258/1Y	polished AL	2×58W	T8	G13	1 580 × 170 × 95	4,2
21-043/158/1YH	concentrating	1×58W	T8	G13	1 580 × 170 × 95	3,9
21-043/180/CYH	concentrating	1×80W	T5	G5	1 580 × 170 × 95	3,9

Code	Power	Lamp	Cap	L × B × H (mm)	Kg
21-013/118/1Y	1×18W	T8	G13	670 × 170 × 95	2,0
21-013/136/1Y	1×36W	T8	G13	1 280 × 170 × 95	3,0
21-013/158/1Y	1×58W	T8	G13	1 580 × 170 × 95	3,4
21-013/218/1Y	2×18W	T8	G13	670 × 170 × 95	2,3
21-013/236/1Y	2×36W	T8	G13	1 280 × 170 × 95	3,3
21-013/258/1Y	2×58W	T8	G13	1 580 × 170 × 95	3,8
21-043/180/CY	1×80W	T5	G5	1 580 × 170 × 95	3,9

Material:

- body: injection molded, self-extinguishing UV-stabilized polycarbonate
- color: gray RAL 7035
- reflector: white varnished steel sheet or pure aluminium sheet
- diffuser: clear polycarbonate

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: low loss ballast or electronic ballast with the highest energy savings. Dimmable ballasts, fast connectors Wieland, MPM and emergency versions are on request

Mounting: separate or in-line mounting on ceilings or walls, suspension on chain pendants

The luminaires are supplied with ceiling holders (2pcs), lifting eyes (2pcs) and a lead-in insulator (1pc).

Accessories: (must be ordered separately)

a set of interconnecting cables

Application: cellars, factory halls, storehouses, farms



Version with concentrating reflector

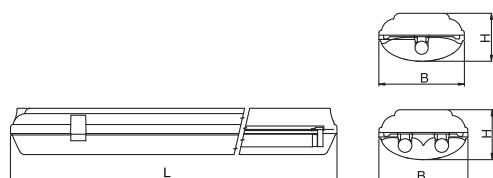
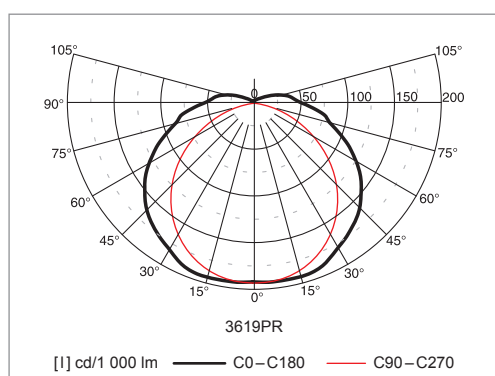
The fixtures are not equipped with the lamps.

- 99-541 – a guard for 18/2×18W luminaires (1pc)
- 99-542 – a guard for 36/2×36W luminaires (1pc)
- 99-543 – a guard for 58/2×58W luminaires (1pc)
- 99-544 – stainless steel fasteners for 18/2×18W luminaires (4pcs)
- 99-545 – stainless steel fasteners for 36/2×36W luminaires (8pcs)
- 99-546 – stainless steel fasteners for 58/2×58W luminaires (10pcs)
- 99-547 – wall cantilevers (1pc) – for one luminaire 2pcs needed

- 1 – E (low loss ballast, parallel compensation)
- C (electronic ballast)

Leader | BS100, BS100 Basic, BS110

Industrial luminaires T8, T5 (highly polished polycarb. refl. BS100, BS110, white polycarb. reflector BS100 Basic)



Material:

- body: injection molded, self-extinguishing UV-stabilized polycarbonate
- color: gray RAL 7035
- reflector: highly polished polycarbonate (BS100, BS110), white polycarbonate reflector (BS100 Basic)
- diffuser: clear polycarbonate

Degree of protection: IP66

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast with the highest energy savings. Dimmable ballasts, fast connectors Wieland, MPM and emergency versions are on request

Mounting: separate or in-line mounting on ceilings or walls, suspension on chain pendants

The luminaires are supplied with ceiling holders (2pcs), lifting eyes (2pcs) and a lead-in insulator (1pc).

Accessories: (must be ordered separately)

- 99-541 – a guard for 18/2×18W luminaires (1pc)
- 99-542 – a guard for 36/2×36W luminaires (1pc)
- 99-543 – a guard for 58/2×58W luminaires (1pc)
- 99-544 – stainless steel fasteners for 18/2×18W luminaires (4pcs)
- 99-545 – stainless steel fasteners for 36/2×36W luminaires (8pcs)
- 99-546 – stainless steel fasteners for 58/2×58W luminaires (10pcs)
- 99-547 – wall cantilevers (1pc) – for one luminaire 2pcs needed
- 8010 – a set of interconnecting cables for 58W
- 8012 – a set of interconnecting cables for 36W

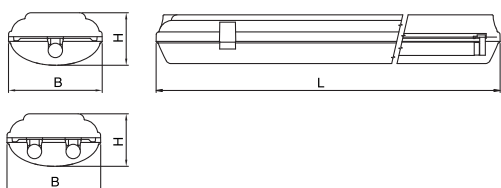
Application: factory halls, washrooms, storehouses, farms

	Code	Power	Lamp	Cap	L × B × H (mm)	Kg
BS100	3616PR	1×18W	T8	G13	670 × 170 × 95	1,5
	3618PR	1×36W	T8	G13	1 280 × 170 × 95	2,4
	3620PR	1×58W	T8	G13	1 580 × 170 × 95	2,9
	3617PR	2×18W	T8	G13	670 × 170 × 95	1,5
	3619PR	2×36W	T8	G13	1 280 × 170 × 95	2,4
	3621PR	2×58W	T8	G13	1 580 × 170 × 95	2,9
BS100 Basic	3619RE	2×36W	T8	G13	1 280 × 170 × 95	2,4
	3621RE	2×58W	T8	G13	1 580 × 170 × 95	2,9
BS110	3715	1×28W	T5	G5	1 280 × 170 × 95	2,5
	3716	1×35W	T5	G5	1 580 × 170 × 95	2,9
	3718	2×28W	T5	G5	1 280 × 170 × 95	2,7
	3719	2×35W	T5	G5	1 580 × 170 × 95	3,0
	3710	1×49W	T5	G5	1 580 × 170 × 95	2,9
	3711	2×49W	T5	G5	1 580 × 170 × 95	3,0
	3712	1×54W	T5	G5	1 280 × 170 × 95	2,5
	3713	2×54W	T5	G5	1 280 × 170 × 95	2,7

The fixtures are not equipped with the lamps.

Leader | Xtreme 50

Industrial luminaires T8 and T5 for extreme ambient temperature (white varnished steel sheet reflector)



Interconnecting cables:

Set for the luminaire	3 × 1,5 mm ²	3 × 2,5 mm ²	5 × 1,5 mm ²	5 × 2,5 mm ²
36W, 28W, 54W	99-184	99-185	99-186	99-187
58W, 35W, 49W, 80W	99-188	99-189	99-190	99-191

Code	Power	Lamp	Cap	L × B × H (mm)	Weight kg	Ta
21-013/136/CYV	1×36W	T8	G13	1 280 × 170 × 95	3,0	50
21-013/236/CYV	2×36W	T8	G13	1 280 × 170 × 95	3,3	50
21-013/158/CYV	1×58W	T8	G13	1 580 × 170 × 95	3,4	50
21-013/258/CYV	2×58W	T8	G13	1 580 × 170 × 95	3,8	50
21-013/128/CYV	1×28W	T5	G5	1 280 × 170 × 95	3,0	50
21-013/228/CYV	2×28W	T5	G5	1 280 × 170 × 95	3,3	50
21-013/154/CYV	1×54W	T5	G5	1 280 × 170 × 95	3,0	50
21-013/254/CYV	2×54W	T5	G5	1 280 × 170 × 95	3,3	40
21-013/135/CYV	1×35W	T5	G5	1 580 × 170 × 95	3,4	50
21-013/235/CYV	2×35W	T5	G5	1 580 × 170 × 95	3,8	50
21-013/149/CYV	1×49W	T5	G5	1 580 × 170 × 95	3,4	50
21-013/249/CYV	2×49W	T5	G5	1 580 × 170 × 95	3,8	50
21-013/180/CYV	1×80W	T5	G5	1 580 × 170 × 95	3,4	50

The fixtures are not equipped with the lamps.



Material:

- body: injection molded, self-extinguishing UV-stabilized polycarbonate
- color: gray RAL 7035
- reflector: white varnished steel sheet or pure aluminium sheet
- diffuser: clear polycarbonate

Ambient temperature: Ta = 50 °C

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast

Mounting: separate or in-line mounting on ceilings or walls, suspension on chain pendants

The luminaires are supplied with ceiling holders (2pcs), lifting eyes (2pcs) and a lead-in insulator (1pc).

Accessories: (must be ordered separately)

a set of interconnecting cables (on the left)

99-542 – a guard for 36W, 28W and 54W luminaires (1pc)

99-543 – a guard for 58W, 35W, 49W and 80W luminaires (1pc)

99-545 – stainless steel fasteners for 36W, 28W and 54W luminaires (8pcs)

99-546 – stainless steel fasteners for 58W, 35W, 49W and 80W luminaires (10pcs)

99-547 – wall cantilevers (1pc) – for one luminaire 2pcs needed

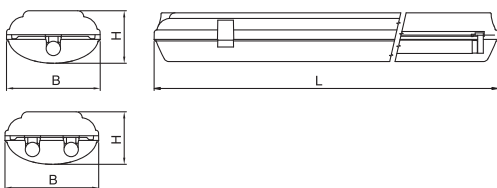
Application: storehouses, cellars, factory halls, farms

The lighting fixtures are especially designed for use in difficult environments where the ambient temperature is high (up to 50 °C).

The luminaires are equipped with electronic ballast
TRIDONIC PC INDUSTRY

Leader | Xtreme -30

Industrial luminaires T8 and T5 for extreme ambient temperature (white varnished steel sheet reflector)



Interconnecting cables:

Set for the luminaire	3 × 1,5 mm ²	3 × 2,5 mm ²	5 × 1,5 mm ²	5 × 2,5 mm ²
36W, 28W, 54W	99-184	99-185	99-186	99-187
58W, 35W, 49W, 80W	99-188	99-189	99-190	99-191

Code	Power	Lamp	Cap	L × B × H (mm)	Kg
21-913/136/1JYN	1×36W	T8	G13	1 280 × 170 × 95	3,0
21-913/236/1JYN	2×36W	T8	G13	1 280 × 170 × 95	3,3
21-913/158/1JYN	1×58W	T8	G13	1 580 × 170 × 95	3,4
21-913/258/1JYN	2×58W	T8	G13	1 580 × 170 × 95	3,8
21-913/128/CYN	1×28W	T5	G5	1 280 × 170 × 95	3,0
21-913/228/CYN	2×28W	T5	G5	1 280 × 170 × 95	3,3
21-913/154/CYN	1×54W	T5	G5	1 280 × 170 × 95	3,0
21-913/254/CYN	2×54W	T5	G5	1 280 × 170 × 95	3,3
21-913/135/CYN	1×35W	T5	G5	1 580 × 170 × 95	3,4
21-913/235/CYN	2×35W	T5	G5	1 580 × 170 × 95	3,8
21-913/149/CYN	1×49W	T5	G5	1 580 × 170 × 95	3,4
21-913/249/CYN	2×49W	T5	G5	1 580 × 170 × 95	3,8
21-913/180/CYN	1×80W	T5	G5	1 580 × 170 × 95	3,4

1J – C (electronic ballast)
– E (low loss ballast, parallel compensation)

The fixtures are equipped with the lamps and stainless steel clips.



Material:

- body: injection molded, self-extinguishing UV-stabilized polycarbonate
- color: gray RAL 7035
- reflector: white varnished steel sheet or pure aluminium sheet
- diffuser: clear polycarbonate

Ambient temperature: up to -30 °C

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast

Mounting: separate or in-line mounting on ceilings or walls, suspension on chain pendants

The luminaires are supplied with ceiling holders (2pcs), lifting eyes (2pcs) and a lead-in insulator (1pc).

Accessories: (must be ordered separately)

a set of interconnecting cables (on the left)

99-542 – a guard for 36W, 28W and 54W luminaires (1pc)

99-543 – a guard for 58W, 35W, 49W and 80W luminaires (1pc)

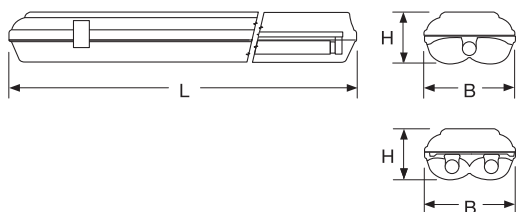
99-547 – wall cantilevers (1pc) – for one luminaire 2pcs needed

Application: refrigerated counters, tunnel lighting, car parks, cool cabinets, frozen storages, industrial premises, farms and garages

The lighting fixtures are designed specially for environments where the ambient temperature is low (up to -30 °C).

Leader LED | 21-91, 21-93, 21-97, 21-98

Industrial luminaires with LED tubes (white varnished steel sheet reflector)



Material:

- body: injection molded, self-extinguishing UV-stabilized polycarbonate
- color: gray RAL 7035
- reflector: white varnished steel sheet
- diffuser: clear polycarbonate

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Mounting: separate or in-line mounting on ceilings or walls, suspension on chain pendants. The luminaires are supplied with ceiling holders (2pcs), lifting eyes (2pcs) and a lead-in insulator (1pc).

Accessories: (must be ordered separately)
a set of interconnecting cables

Application: cellars, factory halls, storehouses, farms

The fixtures are equipped with the LED tubes.

Code	Power	Lamp	Color temperature	Cap	L × B × H (mm)	Kg
21-919/111/+Y3	1×11W	LED	3 000 K	G13	670 × 170 × 95	2,0
21-919/121/+Y3	1×21W	LED	3 000 K	G13	1 280 × 170 × 95	3,0
21-919/125/+Y3	1×25W	LED	3 000 K	G13	1 580 × 170 × 95	3,4
21-919/211/+Y3	2×11W	LED	3 000 K	G13	670 × 170 × 95	2,3
21-919/221/+Y3	2×21W	LED	3 000 K	G13	1 280 × 170 × 95	3,3
21-919/225/+Y3	2×25W	LED	3 000 K	G13	1 580 × 170 × 95	3,8
21-919/111/+Y4	1×11W	LED	4 000 K	G13	670 × 170 × 95	2,0
21-919/121/+Y4	1×21W	LED	4 000 K	G13	1 280 × 170 × 95	3,0
21-919/125/+Y4	1×25W	LED	4 000 K	G13	1 580 × 170 × 95	3,4
21-919/211/+Y4	2×11W	LED	4 000 K	G13	670 × 170 × 95	2,3
21-919/221/+Y4	2×21W	LED	4 000 K	G13	1 280 × 170 × 95	3,3
21-919/225/+Y4	2×25W	LED	4 000 K	G13	1 580 × 170 × 95	3,8
21-919/111/+Y5	1×11W	LED	5 000 K	G13	670 × 170 × 95	2,0
21-919/121/+Y5	1×21W	LED	5 000 K	G13	1 280 × 170 × 95	3,0
21-919/125/+Y5	1×25W	LED	5 000 K	G13	1 580 × 170 × 95	3,4
21-919/211/+Y5	2×11W	LED	5 000 K	G13	670 × 170 × 95	2,3
21-919/221/+Y5	2×21W	LED	5 000 K	G13	1 280 × 170 × 95	3,3
21-919/225/+Y5	2×25W	LED	5 000 K	G13	1 580 × 170 × 95	3,8
21-939/110/+Y3	1×10W	LED	3 000 K	GU10	670 × 170 × 95	2,0
21-939/120/+Y3	1×20W	LED	3 000 K	GU10	1 280 × 170 × 95	3,0
21-939/125/+Y3	1×25W	LED	3 000 K	GU10	1 580 × 170 × 95	3,4
21-939/210/+Y3	2×10W	LED	3 000 K	GU10	670 × 170 × 95	2,3
21-939/220/+Y3	2×20W	LED	3 000 K	GU10	1 280 × 170 × 95	3,3
21-939/225/+Y3	2×25W	LED	3 000 K	GU10	1 580 × 170 × 95	3,8
21-939/110/+Y4	1×10W	LED	4 000 K	GU10	670 × 170 × 95	2,0
21-939/120/+Y4	1×20W	LED	4 000 K	GU10	1 280 × 170 × 95	3,0
21-939/125/+Y4	1×25W	LED	4 000 K	GU10	1 580 × 170 × 95	3,4
21-939/210/+Y4	2×10W	LED	4 000 K	GU10	670 × 170 × 95	2,3
21-939/220/+Y4	2×20W	LED	4 000 K	GU10	1 280 × 170 × 95	3,3
21-939/225/+Y4	2×25W	LED	4 000 K	GU10	1 580 × 170 × 95	3,8
21-939/110/+Y6	1×10W	LED	6 000 K	GU10	670 × 170 × 95	2,0
21-939/120/+Y6	1×20W	LED	6 000 K	GU10	1 280 × 170 × 95	3,0
21-939/125/+Y6	1×25W	LED	6 000 K	GU10	1 580 × 170 × 95	3,4
21-939/210/+Y6	2×10W	LED	6 000 K	GU10	670 × 170 × 95	2,3
21-939/220/+Y6	2×20W	LED	6 000 K	GU10	1 280 × 170 × 95	3,3
21-939/225/+Y6	2×25W	LED	6 000 K	GU10	1 580 × 170 × 95	3,8

Code	Power	Lamp	Color temperature	Cap	L × B × H (mm)	Kg
21-979/111/+Y3	1×11W	LED	3 000 K	G13	674 × 121 × 82	2,0
21-979/121/+Y3	1×21W	LED	3 000 K	G13	1 264 × 121 × 82	3,0
21-979/125/+Y3	1×25W	LED	3 000 K	G13	1 564 × 121 × 82	3,4
21-979/211/+Y3	2×11W	LED	3 000 K	G13	674 × 121 × 82	2,3
21-979/221/+Y3	2×21W	LED	3 000 K	G13	1 264 × 121 × 82	3,3
21-979/225/+Y3	2×25W	LED	3 000 K	G13	1 564 × 121 × 82	3,8
21-979/111/+Y4	1×11W	LED	4 000 K	G13	674 × 121 × 82	2,0
21-979/121/+Y4	1×21W	LED	4 000 K	G13	1 264 × 121 × 82	3,0
21-979/125/+Y4	1×25W	LED	4 000 K	G13	1 564 × 121 × 82	3,4
21-979/211/+Y4	2×11W	LED	4 000 K	G13	674 × 121 × 82	2,3
21-979/221/+Y4	2×21W	LED	4 000 K	G13	1 264 × 121 × 82	3,3
21-979/225/+Y4	2×25W	LED	4 000 K	G13	1 564 × 121 × 82	3,8
21-979/111/+Y5	1×11W	LED	5 000 K	G13	674 × 121 × 82	2,0
21-979/121/+Y5	1×21W	LED	5 000 K	G13	1 264 × 121 × 82	3,0
21-979/125/+Y5	1×25W	LED	5 000 K	G13	1 564 × 121 × 82	3,4
21-979/211/+Y5	2×11W	LED	5 000 K	G13	674 × 121 × 82	2,3
21-979/221/+Y5	2×21W	LED	5 000 K	G13	1 264 × 121 × 82	3,3
21-979/225/+Y5	2×25W	LED	5 000 K	G13	1 564 × 121 × 82	3,8
21-989/110/+Y3	1×10W	LED	3 000 K	GU10	674 × 121 × 82	2,0
21-989/120/+Y3	1×20W	LED	3 000 K	GU10	1 264 × 121 × 82	3,0
21-989/125/+Y3	1×25W	LED	3 000 K	GU10	1 564 × 121 × 82	3,4
21-989/210/+Y3	2×10W	LED	3 000 K	GU10	674 × 121 × 82	2,3
21-989/220/+Y3	2×20W	LED	3 000 K	GU10	1 264 × 121 × 82	3,3
21-989/225/+Y3	2×25W	LED	3 000 K	GU10	1 564 × 121 × 82	3,8
21-989/110/+Y4	1×10W	LED	4 000 K	GU10	674 × 121 × 82	2,0
21-989/120/+Y4	1×20W	LED	4 000 K	GU10	1 264 × 121 × 82	3,0
21-989/125/+Y4	1×25W	LED	4 000 K	GU10	1 564 × 121 × 82	3,4
21-989/210/+Y4	2×10W	LED	4 000 K	GU10	674 × 121 × 82	2,3
21-989/220/+Y4	2×20W	LED	4 000 K	GU10	1 264 × 121 × 82	3,3
21-989/225/+Y4	2×25W	LED	4 000 K	GU10	1 564 × 121 × 82	3,8
21-989/110/+Y6	1×10W	LED	6 000 K	GU10	674 × 121 × 82	2,0
21-989/120/+Y6	1×20W	LED	6 000 K	GU10	1 264 × 121 × 82	3,0
21-989/125/+Y6	1×25W	LED	6 000 K	GU10	1 564 × 121 × 82	3,4
21-989/210/+Y6	2×10W	LED	6 000 K	GU10	674 × 121 × 82	2,3
21-989/220/+Y6	2×20W	LED	6 000 K	GU10	1 264 × 121 × 82	3,3
21-989/225/+Y6	2×25W	LED	6 000 K	GU10	1 564 × 121 × 82	3,8

Castor | 25-05, 25-07

Industrial luminaires T8, T5 (white varnished steel sheet reflector, versions with polished aluminium reflectors)

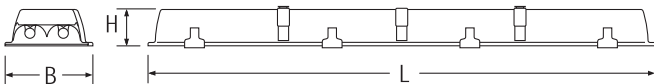
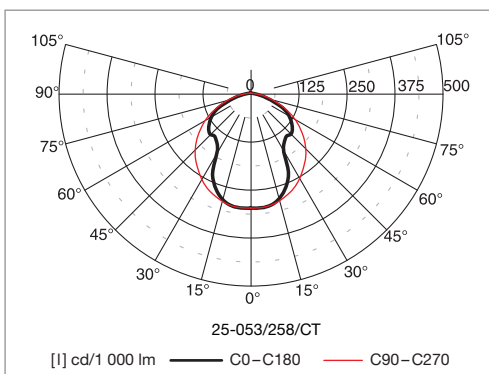
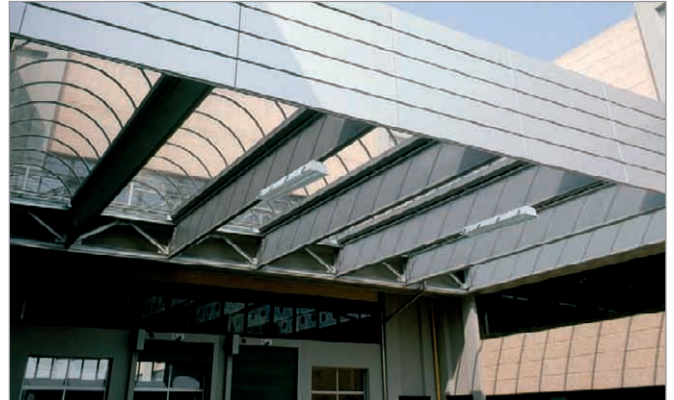


Table of polished aluminium reflectors

Reflector of luminaire	diffusing	concentrating
1×18W	99-281/118	99-282/118
1×36W	99-281/136	99-282/136
1×58W	99-281/158	99-282/158
2×18W	99-281/218	99-282/218
2×36W	99-281/236	99-282/236
2×58W	99-281/258	99-282/258

Code	Power	Lamp	Cap	L × B × H (mm)	Kg
25-053/118/1T	1×18W	T8	G13	676 × 212 × 92	4,5
25-053/136/1T	1×36W	T8	G13	1 286 × 212 × 92	8,0
25-053/158/1T	1×58W	T8	G13	1 586 × 212 × 92	10,5
25-053/218/1T	2×18W	T8	G13	676 × 212 × 92	4,5
25-053/236/1T	2×36W	T8	G13	1 286 × 212 × 92	8,5
25-053/258/1T	2×58W	T8	G13	1 586 × 212 × 92	11,5
25-073/118/1T	1×18W	T8	G13	676 × 212 × 92	4,5
25-073/136/1T	1×36W	T8	G13	1 286 × 212 × 92	8,0
25-073/158/1T	1×58W	T8	G13	1 586 × 212 × 92	10,5
25-073/218/1T	2×18W	T8	G13	676 × 212 × 92	4,5
25-073/236/1T	2×36W	T8	G13	1 286 × 212 × 92	8,5
25-073/258/1T	2×58W	T8	G13	1 586 × 212 × 92	11,5



99-25C microlouvre

The fixtures are not equipped with the lamps.

- 1 – C (electronic ballast)
- E (low loss ballast, parallel compensation)

Material:

- body: 25-05 – made of white varnished steel sheet
25-07 – made of zinc coated steel sheet
- color: white RAL 9003 (25-05), zinc-coated (25-07)
- reflector: white varnished steel sheet
- diffuser: clear tempered glass

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: low loss ballast or electronic ballast; the luminaires are offered also in emergency version

Mounting: separate or in-line mounting on ceilings or walls, suspension on chain pendants

The luminaires are supplied with lead-in insulator, blank flange, safety screws and big pad for ceiling mounting.

Accessories: (must be ordered separately)

parabolic microlouvre

99-25C0 (1×36W, 2×36W)

99-25C1 (1×58W, 2×58W)

inserted reflectors

Application: industrial objects, warehouses, cellars, factory halls, farms

Reflector of luminaire	diffusing	concentrating
1×28W, 1×54W	99-281/120	99-282/120
1×35W, 1×49W, 1×80W	99-281/150	99-282/150
2×28W, 2×54W	99-281/120/2	99-282/120/2
2×35W, 2×49W, 2×80W	99-281/150/2	99-282/150/2

Code	Power	Lamp	Cap	L × B × H (mm)	Kg
25-053/128/CT	1×28W	T5	G5	1 286 × 212 × 92	8,0
25-053/154/CT	1×54W	T5	G5	1 286 × 212 × 92	8,0
25-053/135/CT	1×35W	T5	G5	1 586 × 212 × 92	10,5
25-053/149/CT	1×49W	T5	G5	1 586 × 212 × 92	10,5
25-053/180/CT	1×80W	T5	G5	1 586 × 212 × 92	10,5
25-053/228/CT	2×28W	T5	G5	1 286 × 212 × 92	8,5
25-053/254/CT	2×54W	T5	G5	1 286 × 212 × 92	8,5
25-053/235/CT	2×35W	T5	G5	1 586 × 212 × 92	11,5
25-053/249/CT	2×49W	T5	G5	1 586 × 212 × 92	11,5
25-053/280/CT	2×80W	T5	G5	1 586 × 212 × 92	11,5
25-073/128/CT	1×28W	T5	G5	1 286 × 212 × 92	8,0
25-073/154/CT	1×54W	T5	G5	1 286 × 212 × 92	8,0
25-073/135/CT	1×35W	T5	G5	1 586 × 212 × 92	10,5
25-073/149/CT	1×49W	T5	G5	1 586 × 212 × 92	10,5
25-073/180/CT	1×80W	T5	G5	1 586 × 212 × 92	10,5
25-073/228/CT	2×28W	T5	G5	1 286 × 212 × 92	8,5
25-073/254/CT	2×54W	T5	G5	1 286 × 212 × 92	8,5
25-073/235/CT	2×35W	T5	G5	1 586 × 212 × 92	11,5
25-073/249/CT	2×49W	T5	G5	1 586 × 212 × 92	11,5
25-073/280/CT	2×80W	T5	G5	1 586 × 212 × 92	11,5

Through wiring connector system

Industrial luminaires T8, T5

Applicable for Acciaio, 21-01, BS100, BS101, BS110, BS111, BS103 a BS113

The advantages of through wiring connector system

- it allows to connect watertight lightings respecting IP65 degree of protection
- suitable for a range of industrial applications production areas, warehouses, complexes and factories – wherever a high degree of protection is required
- quick and safe installation with prefabricated luminaires, which only need to be plugged in
- provides the unbeatable time advantage of a pluggable installation
- connectors system reduces installation costs by around 20 % and time savings by almost 80 % compared to traditional installation methods

To order luminaires with connector system follow bellow mentioned steps:

Step 1 Type of connector

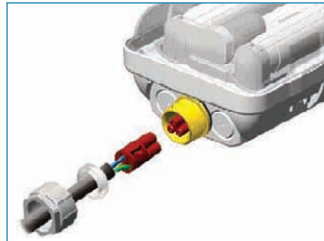
- terminal box
- connector Salvatempo (only 3poles)
- connector MPM
- connector Wieland (set Male – Female)

Note: Connector MPM can not be used for version 1×/2×18W a 1×/2×14 (24)W. Luminaire Accaio is not suitable for connector MPM.

terminal box



connector Salvatempo



connector MPM



connector Wieland



Step 2 Number of poles

- 3pole connector or terminal box
- 5pole connector or terminal box
- 7pole terminal box

Step 3 Type of clips

- plastic clips (only for Leaded Bsxx)
- stainless steel clips (only for Leaded BSxx)



Step 4 One sided or double sided version

- one sided version (terminal box, Salvatempo, MPM, Wieland)
- double sided version (terminal box, MPM, Wieland)

Step 5 Control gear

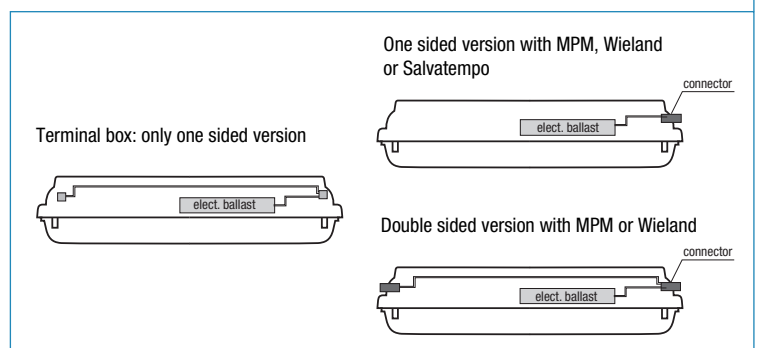
- electronic ballast (3pole)
- dimmable analog electronic ballast (5pole)
- dimmable digitally controlled ballast (5pole)
- dimmable digitally controlled ballast – DALI (5pole)
- electronic ballast -30 °C (Tridonic)

Step 6 Producer of electronic ballast

- Osram
- Helvar
- Beghelli
- Tridonic
- Philips

Step 7 Light source

- supplied without lamps
- including lamps 4000K
- including lamps 3000K



Note

The luminaire Accaio in emergency version and connector Salvatempo can not be used for through wiring.

Step 8 Emergency version

- inverter TR (autonomy 1 hour, up to 7 pole)
- inverter TR3 (autonomy 3 hours, up to 7 pole)
- inverter LG (Logica, up to 7 pole)



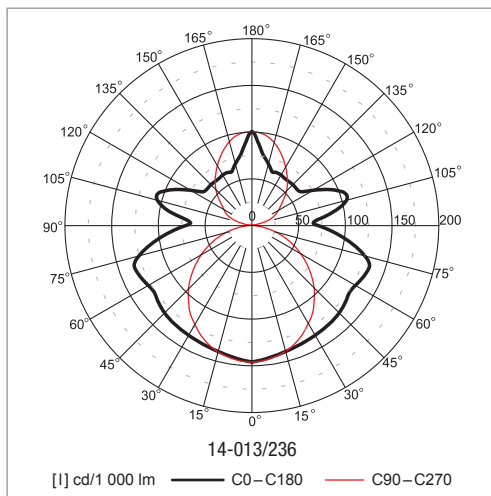


Table of reflectors: (for 1x2x luminaires)

luminaire	white varnished sheet	polished aluminium
18W	99-261/60	99-261/60L
36W	99-261/120	99-261/120L
58W	99-262/150	99-262/150L
14W	99-269/60	99-269/60L
28/54W	99-269/120	99-269/120L
35/49/80W	99-269/150	99-269/150L

Code	Power	Lamp	Cap	L x B x H (mm)	Kg
14-013/118/C	1x18W	T8	G13	625 x 50 x 90	1,5
14-013/136/C	1x36W	T8	G13	1 235 x 50 x 90	2,2
14-013/158/C	1x58W	T8	G13	1 535 x 50 x 90	2,9
14-013/218/C	2x18W	T8	G13	625 x 50 x 88	1,5
14-013/236/C	2x36W	T8	G13	1 235 x 50 x 88	2,8
14-013/258/C	2x58W	T8	G13	1 535 x 50 x 88	3,9
14-013/114/C	1x14W	T5	G5	581 x 50 x 85	1,5
14-013/128/C	1x28W	T5	G5	1 181 x 50 x 85	2,2
14-013/135/C	1x35W	T5	G5	1 481 x 50 x 85	2,9
14-013/154/C	1x54W	T5	G5	1 181 x 50 x 85	2,2
14-013/149/C	1x49W	T5	G5	1 481 x 50 x 85	2,9
14-013/180/C	1x80W	T5	G5	1 481 x 50 x 85	2,9
14-013/214/C	2x14W	T5	G5	581 x 50 x 85	1,6
14-013/228/C	2x28W	T5	G5	1 181 x 50 x 85	2,8
14-013/235/C	2x35W	T5	G5	1 481 x 50 x 85	3,9
14-013/254/C	2x54W	T5	G5	1 181 x 50 x 85	2,8
14-013/249/C	2x49W	T5	G5	1 481 x 50 x 85	3,9
14-013/280/C	2x80W	T5	G5	1 481 x 50 x 85	3,9

The fixtures are not equipped with the lamps.



Material:

- body: a steel sheet finished by powder technology varnishing
 - color: white
 - reflector: white varnished steel sheet or polished aluminium sheet
- Luminaires is possible to use for ambient temperature $T_a = 35^\circ\text{C}$

Degree of protection: IP20

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast; dimmable ballast and emergency versions on request

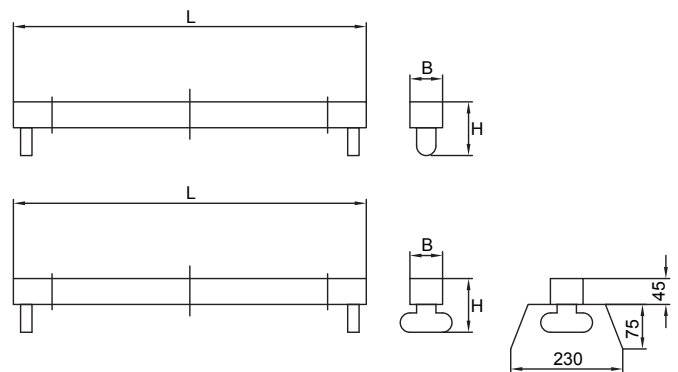
Mounting: separate or in-line mounting on ceilings

Accessories: (must be ordered separately)

white varnished steel reflectors

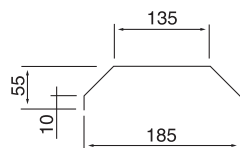
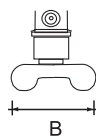
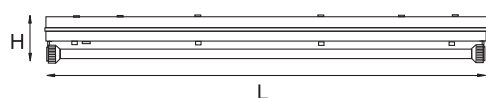
polished aluminium reflectors

Application: supermarkets, industrial objects, warehouses, production lines



Tores | 23-01

Industrial luminaires T8, T5



Material:

- body: made of glass fibre reinforced polyester
- color: light gray RAL 7035
- reflector: white varnished steel sheet

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: low loss ballast or electronic ballast

Mounting: separate built up mounting on a ceiling or suspended on pendants

Accessories: (must be ordered separately)

- white varnished steel reflectors
 - 99-583 – for luminaires 36W – 1200mm
 - 99-584 – for luminaires 58W – 1500mm
- lamps protection tube made of PC
 - 99-580 – for luminaires 18W
 - 99-581 – for luminaires 36W
 - 99-582 – for luminaires 58W
- through wiring
 - 99-193 – for luminaires 18W
 - 99-194 – for luminaires 36W
 - 99-195 – for luminaires 58W

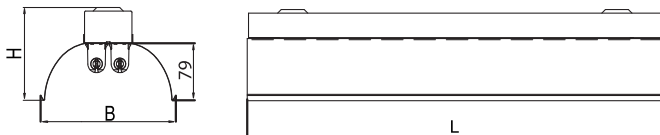
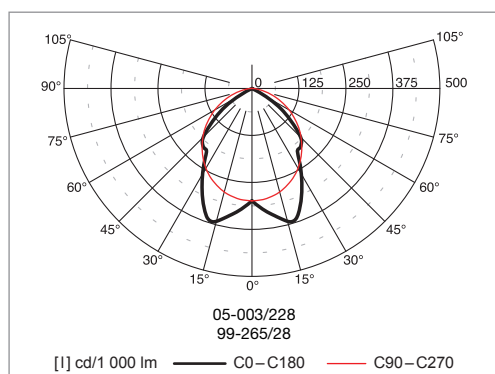
Additional through wiring and pendants by request

Application: garages, factory halls, production lines, warehouses

Code	Power	Lamp	Cap	L × B × H (mm)	Kg
23-013/118/□	1 × 18W	T8	G13	661 × 65,5 × 115	1,3
23-013/136/□	1 × 36W	T8	G13	1 271 × 65,5 × 115	1,8
23-013/158/□	1 × 58W	T8	G13	1 571 × 65,5 × 115	2,3
23-013/218/□	2 × 18W	T8	G13	661 × 117 × 115	1,4
23-013/236/□	2 × 36W	T8	G13	1 271 × 117 × 115	2,6
23-013/258/□	2 × 58W	T8	G13	1 571 × 117 × 115	3,4
23-013/114/C	1 × 14W	T5	G5	661 × 65,5 × 115	1,3
23-013/154/M	1 × 54W	T5	G5	1 271 × 65,5 × 115	1,4
23-013/149/M	1 × 49W	T5	G5	1 571 × 65,5 × 115	1,7
23-013/180/C	1 × 80W	T5	G5	1 571 × 65,5 × 115	1,7
23-013/224/M	2 × 24W	T5	G5	661 × 117 × 115	1,0
23-013/254/M	2 × 54W	T5	G5	1 271 × 117 × 115	1,5
23-013/249/M	2 × 49W	T5	G5	1 571 × 117 × 115	1,9
23-013/280/C	2 × 80W	T5	G5	1 571 × 117 × 115	1,9

The fixtures are not equipped with the lamps.

- – C (electronic ballast)
 – D (low loss ballast, non compensated)
 – E (low loss ballast, parallel compensation)
 – M (multiwatt 2×14–24W, 1×/2×28–54W, 1×/2×35–49W)



Available reflectors: (for 1× and 2× lamp version)

luminaire	white steel	polished Al	facetted Al
28W	99-264/28	99-265/28	99-267/28
35W	99-264/35	99-265/35	99-267/35
36W	99-264/36	99-265/36	99-267/36
58W	99-264/58	99-265/58	99-267/58

Code	Power	Lamp	Cap	L × B × H (mm)	Kg
05-003/136/□	1×36W	T8	G13	1 265 × 188 × 124	3,3
05-003/158/□	1×58W	T8	G13	1 565 × 188 × 124	4,3
05-003/236/□	2×36W	T8	G13	1 265 × 188 × 124	3,8
05-003/258/□	2×58W	T8	G13	1 565 × 188 × 124	4,8
05-003/128/C	1×28W	T5	G5	1 215 × 188 × 124	3,3
05-003/135/C	1×35W	T5	G5	1 515 × 188 × 124	4,2
05-003/228/C	2×28W	T5	G5	1 215 × 188 × 124	3,8
05-003/235/C	2×35W	T5	G5	1 515 × 188 × 124	4,7

The fixtures are not equipped with the lamps.
The luminaires with 49W, 54W or 80W T5 lamps are on request.

□ – E (low loss ballast, parallel compensation)
– C (electronic ballast)



Material:

- body: steel sheet finished by powder technology varnishing
- color: grey RAL 9006
- reflector: white varnished steel sheet, aluminium polished or aluminium facetted reflector

Degree of protection: IP20

Rated voltage: 230 V/50 Hz

Control gear: low loss ballast and electronic ballast, dimmable ballast on request; the luminaires are offered also in emergency version

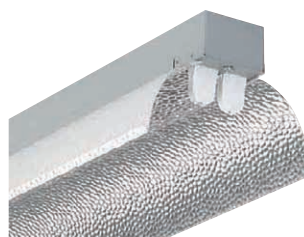
Mounting: on a ceiling or on wire pendants

Accessories: (must be ordered separately)

wire pendant 99-096/120 – a set

reflectors

Application: halls, warehouses, shopping areas



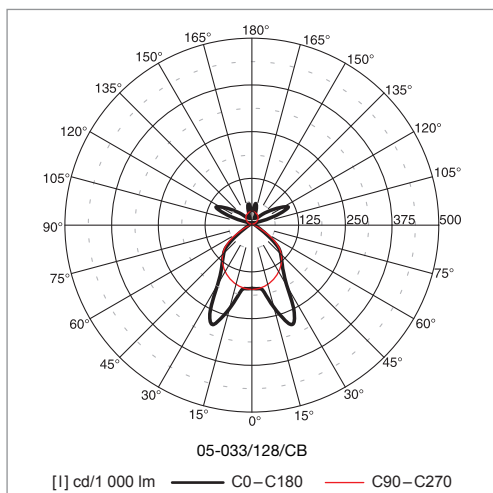
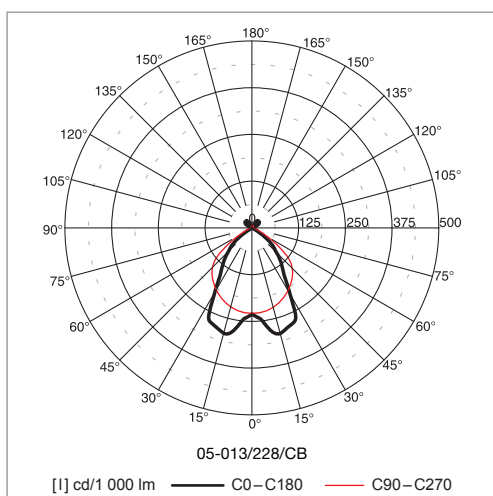
Facetted aluminium reflector



Polished aluminium reflector

Sirius | 05-01, 05-03

Ceiling and suspended luminaires T8, T5 (05-01 – direct, 05-03 – direct/indirect)



Material:

- body: steel sheet finished by powder technology varnishing
- color: grey RAL 9006
- louvre: highly polished or matted parabolic louvre made of a pure aluminium sheet

Degree of protection: IP20

Rated voltage: 230 V/50 Hz

Control gear: low loss ballast and electronic ballast, dimmable ballast on request; the luminaires are offered also in emergency version

Mounting: on a ceiling or on wire pendants

Accessories: (must be ordered separately)

wire pendant 99-096/120 – a set

reflectors

Application: reception desks, corridors, shops and boutiques, restaurants, counters, computer labs, representative offices

Code	Power	Louvre	Lamp	Cap	L × B × H (mm)	Kg
05-013/136/ ¹ / ₂	1×36W	B, C	T8	G13	1 265 × 147 × 127	3,3
05-013/158/ ¹ / ₂	1×58W	B, C	T8	G13	1 565 × 147 × 127	4,3
05-013/236/ ¹ / ₂	2×36W	B, C	T8	G13	1 265 × 147 × 127	3,8
05-013/258/ ¹ / ₂	2×58W	B, C	T8	G13	1 565 × 147 × 127	4,8
05-013/128/C ₂	1×28W	B, C	T5	G5	1 215 × 147 × 127	3,3
05-013/135/C ₂	1×35W	B, C	T5	G5	1 515 × 147 × 127	4,2
05-013/228/C ₂	2×28W	B, C	T5	G5	1 215 × 147 × 127	3,8
05-013/235/C ₂	2×35W	B, C	T5	G5	1 515 × 147 × 127	4,7
05-033/128/C ₂	1×28W	B, C	T5	G5	1 215 × 147 × 127	3,3
05-033/135/C ₂	1×35W	B, C	T5	G5	1 515 × 147 × 127	4,2
05-033/228/C ₂	2×28W	B, C	T5	G5	1 215 × 147 × 127	3,8
05-033/235/C ₂	2×35W	B, C	T5	G5	1 515 × 147 × 127	4,7

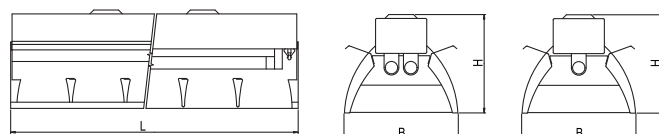
The fixtures are not equipped with the lamps.

The luminaires with 49W, 54W or 80W T5 lamps are on request.

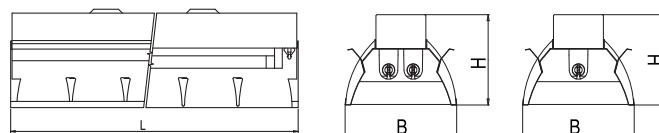
- ¹ – E (low loss ballast)
– C (electronic ballast)

- ₂ – B (highly polished parabolic louvre, 60°)
– C (matted parabolic louvre, 60°)

05-01

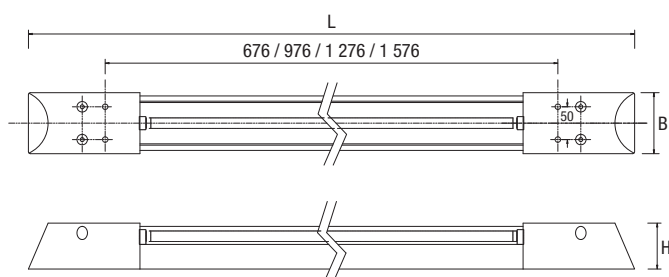
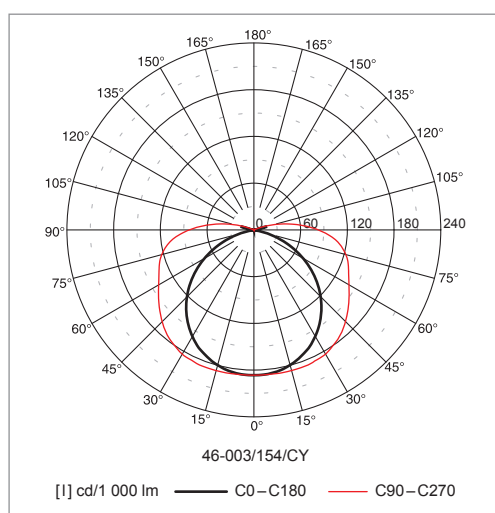


05-03



Tubular | 46-00

Industrial luminaires T5



Code	Power	Lamp	Cap	L × B × H (mm)
46-003/114/CY	1 × 14W	T5	G5	910 × 93 × 70
46-003/124/CY	1 × 24W	T5	G5	910 × 93 × 70
46-003/121/CY	1 × 21W	T5	G5	1 210 × 93 × 70
46-003/139/CY	1 × 39W	T5	G5	1 210 × 93 × 70
46-003/128/CY	1 × 28W	T5	G5	1 510 × 93 × 70
46-003/154/CY	1 × 54W	T5	G5	1 510 × 93 × 70
46-003/135/CY	1 × 35W	T5	G5	1 810 × 93 × 70
46-003/180/CY	1 × 80W	T5	G5	1 810 × 93 × 70

The fixtures are not equipped with the lamps.

Material:

- body: is made of high impact resistance white painted metal sheet
- color: white
- diffuser: transparent polycarbonate tube 63mm (2.5 mm thick)

Degree of protection: IP66

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast

Mounting: on a ceiling or on a wall

Application: areas with high risk of damage as garages, vehicle washes, subway stations, prisons, bridges, psychiatric institutions and dams of water reservoirs

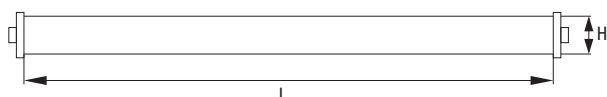
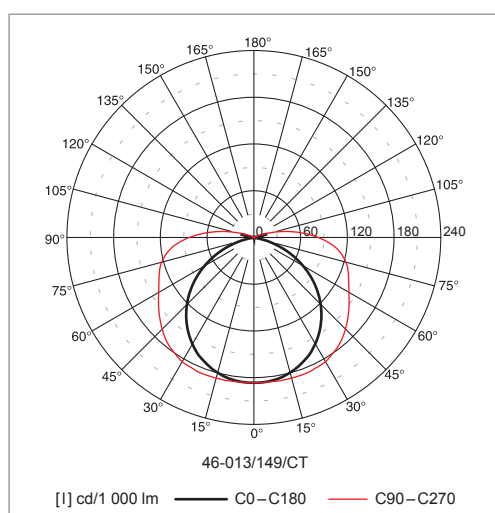
Version with waterproof fast connector is available.

Tubular | 46-01

Industrial luminaires T5



New



New

Material:

- body: is made of high impact resistance white painted metal sheet
- color: white
- reflector: white varnished steel sheet
- diffuser: transparent polycarbonate tube 63mm (2.5 mm thick)

Degree of protection: IP66

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast

Mounting: on a ceiling

Application: areas with high risk of damage as garages, subway stations, swimming pools, dams of water reservoirs, prisons, bridges, vehicle washes and psychiatric institutions

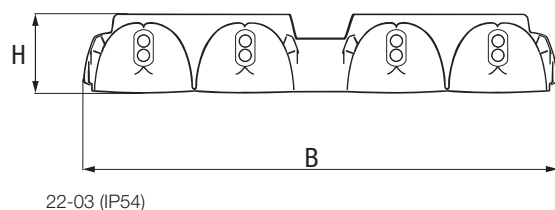
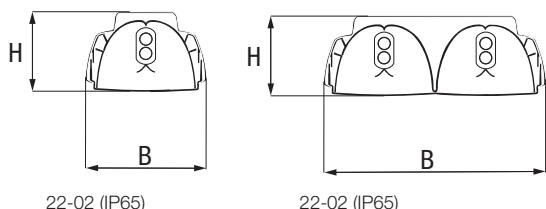
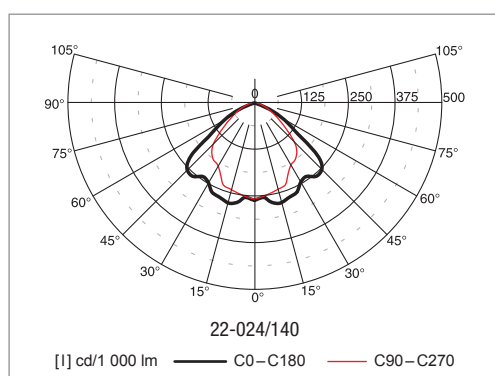
Version with waterproof fast connector is available.

Code	Power	Lamp	Cap	L x Ø H (mm)
46-013/114/CY	1x14W	T5	G5	710 x 63
46-013/124/CY	1x24W	T5	G5	710 x 63
46-013/121/CY	1x21W	T5	G5	1 010 x 63
46-013/139/CY	1x39W	T5	G5	1 010 x 63
46-013/128/CY	1x28W	T5	G5	1 310 x 63
46-013/154/CY	1x54W	T5	G5	1 310 x 63
46-013/135/CY	1x35W	T5	G5	1 610 x 63
46-013/180/CY	1x80W	T5	G5	1 610 x 63

The fixtures are not equipped with the lamps.

Compatta | 22-01, 22-02, 22-03

Industrial luminaires for compact fluorescent lamps



Code	Power	Lamp	Cap	L × B × H (mm)	Kg
22-014/224/C	2 × 24W	compact fl. lamp	2G11	465 × 326 × 120	3,3
22-014/240/C	2 × 40W	compact fl. lamp	2G11	700 × 326 × 120	4,6
22-014/255/C	2 × 55W	compact fl. lamp	2G11	700 × 326 × 120	4,8
22-024/124/C	1 × 24W	compact fl. lamp	2G11	465 × 177 × 120	2,0
22-024/140/C	1 × 40W	compact fl. lamp	2G11	700 × 177 × 120	3,3
22-024/224/C	2 × 24W	compact fl. lamp	2G11	465 × 326 × 120	3,3
22-024/240/C	2 × 40W	compact fl. lamp	2G11	700 × 326 × 120	4,6
22-034/455/C	4 × 55W	compact fl. lamp	2G11	730 × 730 × 145	13,0

The fixtures are not equipped with the lamps.



Material:

- body: made of injection molded, self-extinguishing polycarbonate
- color: RAL 7035
- reflector: made of injection molded, self-extinguishing polycarbonate, vacuum coating with aluminium, two break off slots allowing direct/indirect lighting, removable antiglare reflectors
- louvre (22-01 series): highly polished parabolic louvre with closed lamellae
- diffuser: transparent polycarbonate (injection molded), self-extinguishing, bump resistant

Degree of protection: IP20 (22-01), IP65 (22-02), IP54 (22-03)

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast, dimmable on request; the luminaires are offered also in emergency version

Mounting: built up on a ceiling, suspended on chain pendants, on a wall or recessed in ceiling systems – fixed to brackets

Accessories: (must be ordered separately)

99-295 a bracket in panel system for type 2×24W

99-296 a bracket in panel system for types 2×40W and 2×55W

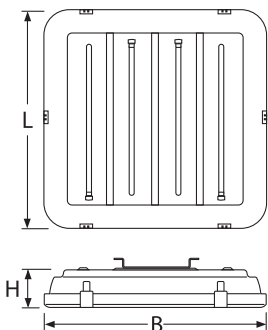
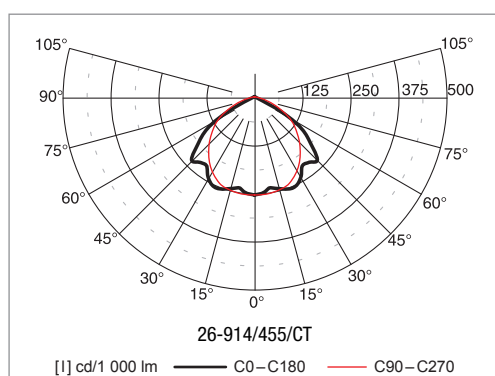
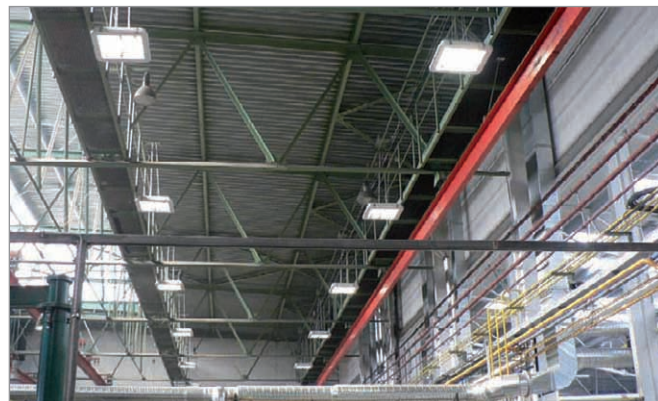
Application:

- factory halls with higher humidity and dustiness
- industrial areas demanding higher intensity of illumination
- areas with higher possibility of bumps



Lumino | 26-91, 26-92, 26-95, 26-96

Industrial luminaires for compact fluorescent lamps



Material:

- body: steel sheet finished by powder technology varnishing
- color: white
- diffuser: clear tempered glass for IP65 version only (26-914, 26-924)

Degree of protection: IP21/65

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast; the luminaires are offered also in emergency version

Mounting: built up on a ceiling

Accessories: (must be ordered separately)

99-695 – protective grill

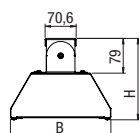
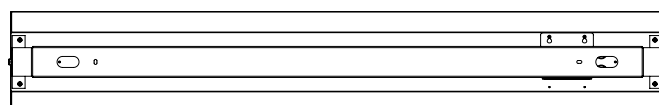
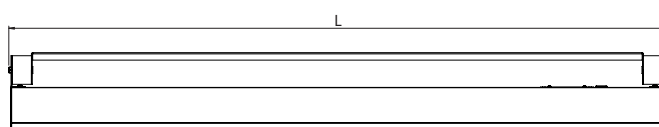
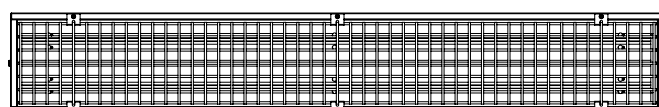
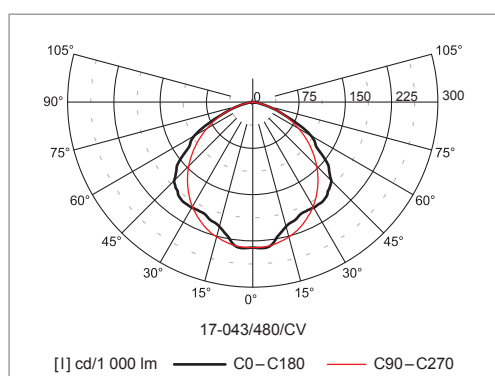
Application: industrial objects, warehouses, production halls

IP	Code	Power	Lamp	Cap	Reflector	L × B × H (mm)	Kg
65	26-914/455/CT	4 × 55W	compact fl. lamp	2G11	diffusing	743 × 730 × 136	12,7
65	26-914/655/CT	6 × 55W	compact fl. lamp	2G11	diffusing	743 × 730 × 136	12,7
65	26-924/455/CT	4 × 55W	compact fl. lamp	2G11	concentrating	743 × 730 × 136	12,7
21	26-954/455/C	4 × 55W	compact fl. lamp	2G11	diffusing	743 × 730 × 136	9,5
21	26-954/655/C	6 × 55W	compact fl. lamp	2G11	diffusing	743 × 730 × 136	9,5
21	26-964/455/C	4 × 55W	compact fl. lamp	2G11	concentrating	743 × 730 × 136	9,5

The fixtures are equipped with the lamps.

Taurus | 17-04, 17-05

Industrial luminaires and luminaires for indoor sport areas



17-04



Material:

- body: steel sheet finished by powder technology varnishing
- color: white
- louvre: special reinforced louvre protecting the lamps from ball bumps (only 17-04)
- diffuser: clear tempered glass (only 17-05)

Degree of protection: IP20 (17-04)/IP65 (17-05)

Rated voltage: 230 V/50 Hz

Control gear: electronic ballast, dimmable ballast on request; the luminaires are offered also in emergency version

Mounting: directly on a ceiling

Application: gymnasiums, sport halls, sport clubs, industrial application, production halls

Taurus can be tilted up to 60° via patented bracket and still provide optimal light direction.

Thanks to the special reinforced louvre for indoor sporting areas luminaire is resistant against ball bumps.

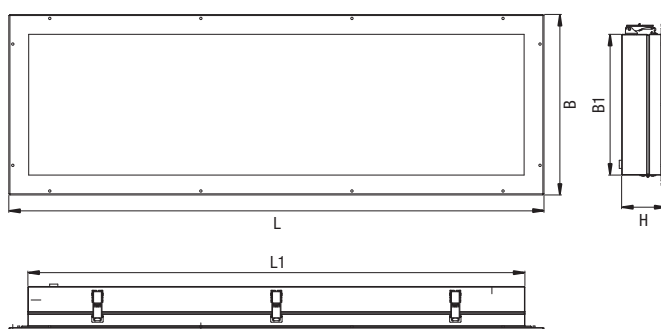
Additionally there are safety locks protected against drop out of the louvre.

IP	Code	Power	Lamp	Cap	L × B × H (mm)	Kg
20	17-043/228/CV	2 × 28W	T5	G5	1 194 × 228 × 185	8,5
20	17-043/235/CV	2 × 35W	T5	G5	1 494 × 228 × 185	11,0
20	17-043/249/CV	2 × 49W	T5	G5	1 494 × 228 × 185	11,0
20	17-043/254/CV	2 × 54W	T5	G5	1 194 × 228 × 185	8,5
20	17-043/280/CV	2 × 80W	T5	G5	1 494 × 228 × 185	11,0
20	17-043/428/CV	4 × 28W	T5	G5	1 194 × 228 × 185	9,0
20	17-043/435/CV	4 × 35W	T5	G5	1 494 × 228 × 185	11,5
20	17-043/449/CV	4 × 49W	T5	G5	1 494 × 228 × 185	11,5
20	17-043/454/CV	4 × 54W	T5	G5	1 194 × 228 × 185	9,0
20	17-043/480/CV	4 × 80W	T5	G5	1 494 × 228 × 185	11,5
65	17-053/228/CVT	2 × 28W	T5	G5	1 194 × 228 × 185	8,5
65	17-053/235/CVT	2 × 35W	T5	G5	1 494 × 228 × 185	11,0
65	17-053/249/CVT	2 × 49W	T5	G5	1 494 × 228 × 185	11,0
65	17-053/254/CVT	2 × 54W	T5	G5	1 194 × 228 × 185	8,5
65	17-053/280/CVT	2 × 80W	T5	G5	1 494 × 228 × 185	11,0
65	17-053/428/CVT	4 × 28W	T5	G5	1 194 × 228 × 185	9,0
65	17-053/435/CVT	4 × 35W	T5	G5	1 494 × 228 × 185	11,5
65	17-053/449/CVT	4 × 49W	T5	G5	1 494 × 228 × 185	11,5
65	17-053/454/CVT	4 × 54W	T5	G5	1 194 × 228 × 185	9,0
65	17-053/480/CVT	4 × 80W	T5	G5	1 494 × 228 × 185	11,5

The fixtures are not equipped with the lamps.

Rock | 84-00, 84-01

Industrial luminaires for T8, T5



Material:

- body: steel sheet finished by powder technology varnishing
- color: white
- diffuser: clear tempered glass

Degree of protection: IP54 (84-00)/IP65 (84-01)

Rated voltage: 230 V/50 Hz

Control gear: low loss ballast or electronic ballast, dimmable ballast on request; the luminaires are offered also in emergency version

Mounting: recessed installation

Fixture metal housing we can open for maintenance from the outside. The fixture flange is attached to the booth ceiling and the fixture is hinged upward or outward for servicing from outside.

Application: designed for paint spray booths, clean rooms and penitentiary applications

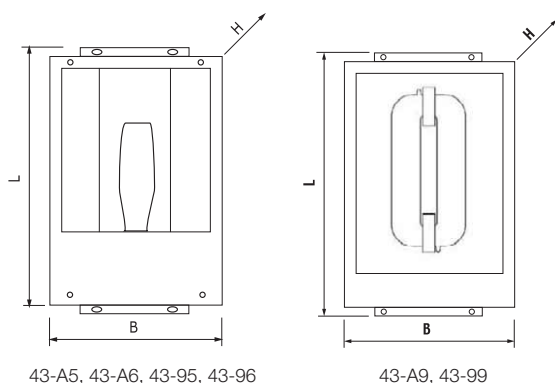
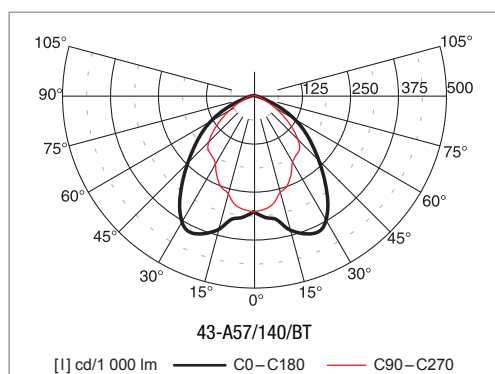
IP	Code	Power	Lamp	Cap	L × L1 × B × B1 × H (mm)	Hole cut out (mm)
54	84-003/336/□T	3×36W	T8	G13	1 346 × 1 250 × 454 × 354 × 112	410 × 1 305
54	84-003/354/□T	3×54W	T5	G5	1 346 × 1 250 × 454 × 354 × 112	410 × 1 305
54	84-003/436/□T	4×36W	T8	G13	1 346 × 1 250 × 454 × 354 × 112	410 × 1 305
54	84-003/454/□T	4×54W	T5	G5	1 346 × 1 250 × 454 × 354 × 112	410 × 1 305
65	84-013/336/□T	3×36W	T8	G13	1 346 × 1 250 × 454 × 354 × 112	410 × 1 305
65	84-013/354/□T	3×54W	T5	G5	1 346 × 1 250 × 454 × 354 × 112	410 × 1 305
65	84-013/436/□T	4×36W	T8	G13	1 346 × 1 250 × 454 × 354 × 112	410 × 1 305
65	84-013/454/□T	4×54W	T5	G5	1 346 × 1 250 × 454 × 354 × 112	410 × 1 305

The fixtures are not equipped with the lamps.

- – E (low loss ballast)
– C (electronic ballast)

Aterix | 43-A5, 43-95, 43-A6, 43-96, 43-A9, 43-99

Industrial luminaires



Code	Power	Lamp	Cap	L × B × H (mm)	Kg
43-A56/125/BT	1 × 250W	h.p. sodium lamp HST	E40	664 × 360 × 225	12,6
43-A56/140/BT	1 × 400W	h.p. sodium lamp HST	E40	664 × 360 × 225	12,6
43-A57/125/BT+ ⁴	1 × 250W	metal halide lamp HIT	E40	664 × 360 × 225	12,6
43-A57/140/BT+ ⁴	1 × 400W	metal halide lamp HIT	E40	664 × 360 × 225	12,6
43-A66/125/BT	1 × 250W	h.p. sodium lamp HST	E40	664 × 360 × 225	12,6
43-A66/140/BT	1 × 400W	h.p. sodium lamp HST	E40	664 × 360 × 225	12,6
43-A67/125/BT+ ⁴	1 × 250W	metal halide lamp HIT	E40	664 × 360 × 225	12,6
43-A67/140/BT+ ⁴	1 × 400W	metal halide lamp HIT	E40	664 × 360 × 225	12,6
43-A93/110/BT	1 × 100W	Osram Endura	—	664 × 360 × 225	12,6
43-A93/115/BT	1 × 150W	Osram Endura	—	664 × 360 × 225	12,6

⁴ – versions with metal halide lamp:
1 – mercury control gear
2 – sodium control gear

43-A – the fixtures are not equipped with the lamps
43-9 – the fixtures are equipped with the lamps



Material:

- body: steel sheet finished by powder technology varnishing
- color: white
- reflector: pure oxidized hammered aluminium sheet (43-A5, 43-95 symmetric; 43-A6, 43-96 asymmetric)
- diffuser: clear tempered glass

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: standard ballast with parallel compensation (43-A5, 43-95; 43-A6, 43-96), electronic ballast (43-09, 43-99)

Mounting: on wall or on ceiling, on revolving cantilever, recessed mounting

Accessories: (must be ordered separately)

99-825 – protective grill from zinc-coated steel

99-826 – revolving cantilever

99-827 – border for recessed mounting

Application: sport stadiums, industrial and commercial premises, gas stations

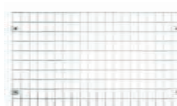
Osram Endura:

- Discharge in this lamp has no starting or end point. The closed “ring” enables a discharge to take place without electrodes.
- Produced for premises where changing of lamps is too expensive (in the tunnels, factory lighting,...)
- Extremely long life 60 000 hours
- High luminous flux 12 000lm/150W
- High luminous efficiency of 80lm/W
- Low ignition temperature (as low -40 °C depending on the ECG)



Code	Power	Lamp	Cap	L × B × H (mm)	Kg
43-956/125/BT	1 × 250W	h.p. sodium lamp HST	E40	664 × 360 × 225	13,0
43-956/140/BT	1 × 400W	h.p. sodium lamp HST	E40	664 × 360 × 225	13,0
43-957/125/BT+ ⁴	1 × 250W	metal halide lamp HIT	E40	664 × 360 × 225	13,0
43-957/140/BT+ ⁴	1 × 400W	metal halide lamp HIT	E40	664 × 360 × 225	13,0
43-966/125/BT	1 × 250W	h.p. sodium lamp HST	E40	664 × 360 × 225	13,0
43-966/140/BT	1 × 400W	h.p. sodium lamp HST	E40	664 × 360 × 225	13,0
43-967/125/BT+ ⁴	1 × 250W	metal halide lamp HIT	E40	664 × 360 × 225	13,0
43-967/140/BT+ ⁴	1 × 400W	metal halide lamp HIT	E40	664 × 360 × 225	13,0
43-993/110/BT	1 × 100W	Osram Endura	—	664 × 360 × 225	13,0
43-993/115/BT	1 × 150W	Osram Endura	—	664 × 360 × 225	13,0

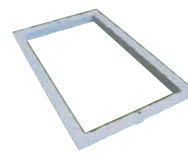
Accessories:



99-825



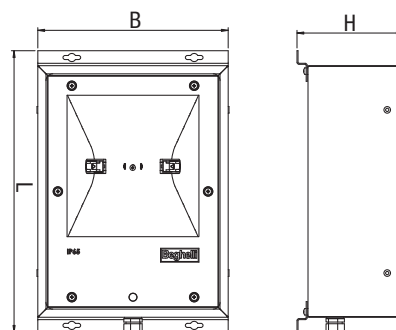
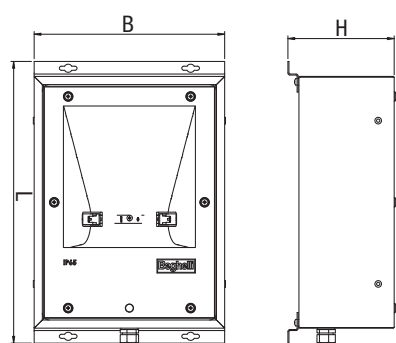
99-826



99-827

Aterix S | 43-07, 43-97, 43-08, 43-98

Industrial luminaires



Material:

- body: steel sheet finished by powder technology varnishing
- color: white
- reflector: pure oxidized hammered aluminium sheet (43-07, 43-97 symmetric; 43-08, 43-98 asymmetric)
- diffuser: clear tempered glass

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: standard ballast or electronic ballast

Mounting: on wall or on ceiling, on revolving cantilever, recessed mounting

Accessories: (must be ordered separately)

99-0080 – protective grill from zinc-coated steel

99-0081 – revolving cantilever

99-0082 – rim for recessed mounting

Application: sport stadiums, industrial and commercial premises, gas stations

Code	Power	Lamp	Cap	L × B × H (mm)	Kg
43-077/107/□T	1×70W	metal halide lamp	Rx7s	414 × 280 × 156	4,5
43-077/115/CT	1×150W	metal halide lamp	Rx7s	414 × 280 × 156	4,5
43-087/107/□T	1×70W	metal halide lamp	Rx7s	414 × 280 × 156	4,5
43-087/115/□T	1×150W	metal halide lamp	Rx7s	414 × 280 × 156	4,5

Code	Power	Lamp	Cap	L × B × H (mm)	Kg
43-977/107/□T	1×70W	metal halide lamp	Rx7s	414 × 280 × 156	4,6
43-977/115/CT	1×150W	metal halide lamp	Rx7s	414 × 280 × 156	4,6
43-987/107/□T	1×70W	metal halide lamp	Rx7s	414 × 280 × 156	4,6
43-987/115/□T	1×150W	metal halide lamp	Rx7s	414 × 280 × 156	4,6

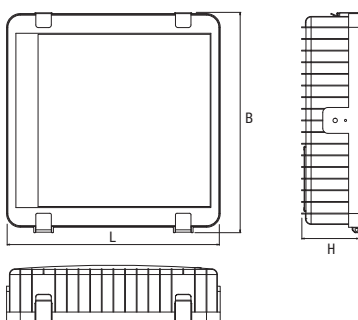
□ – B (low loss ballast)
– C (electronic ballast)

43-0 – the fixtures are not equipped with the lamps

43-9 – the fixtures are equipped with the lamps

MF 736

Industrial luminaires



Material:

- body: the gear box is made of die-cast aluminium finished by powder technology varnishing
- color: grey RAL 7039
- reflector: polished aluminium sheet
- diffuser: clear tempered glass

Degree of protection: IP66

Rated voltage: 230 V/50 Hz

Control gear: standard ballast

Mounting: on a ceiling or on a wall

Accessories: (must be ordered separately)

12657 – ceiling bracket

19351 – auxiliary module

12658 – protective grill

Applications: sport stadiums, industrial and commercial premises, gas stations

Code	Power	Description	Lamp	Cap	Reflector	L × B × H (mm)
250R	250W	MF736 250W IM SM-AS	metal halide lamp	E40	symmetrical/asymmetrical	425 × 413 × 110,5
400R	400W	MF736 400W IM SM-AS	metal halide lamp	E40	symmetrical/asymmetrical	425 × 413 × 110,5

The fixtures are equipped with the lamps.

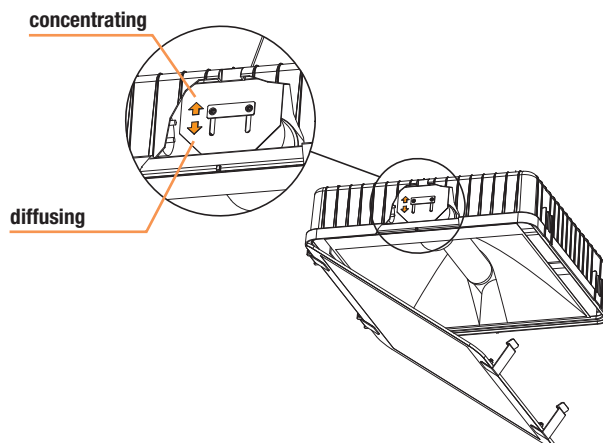
Metal halide lamp MH-T/2F E40 Ra 65

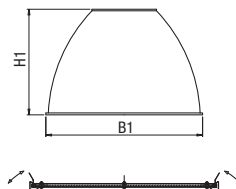
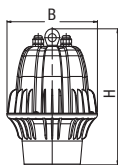
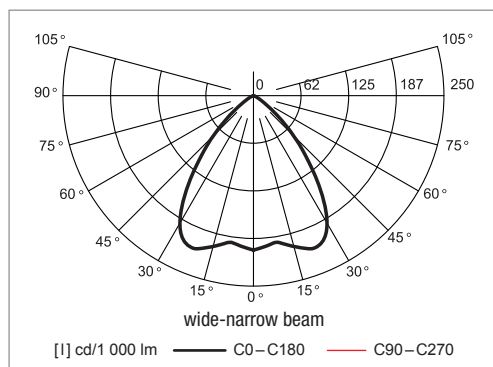
W	Code	K	lm	Power (mA)	Position	Dimensions (mm)	Package/Pcs
250	53300	4 300	22 000 (19 000)	2,15	universal	60 × 251	12
400	53301	4 300	38 000 (36 000)	3,25	universal	62 × 281	12

Special technology:

Concentrating and diffusing reflector, 2 luminaires in 1

The system allows set up position of lamp. Thanks to this solution is possible to obtain concentrating or diffusing light distribution curve.





Gear box:

Code	Power	Lamp	Cap	Ø B × H (mm)	Kg
45-005/125/B	1×250W	h.p. mercury lamp	E40	226 × 340	7,2
45-005/140/B	1×400W	h.p. mercury lamp	E40	226 × 340	7,9
45-006/125/B	1×250W	h.p. sodium lamp	E40	226 × 340	7,2
45-006/140/B	1×400W	h.p. sodium lamp	E40	226 × 340	7,9
45-007/125/B++ ⁴	1×250W	metal halide lamp	E40	226 × 340	7,2
45-007/140/B++ ⁴	1×400W	metal halide lamp	E40	226 × 340	7,9

Reflectors:

Code	Description	Ø B1 × H1 (mm)	Kg
99-558/500	aluminium reflector	494 × 295	1,0
99-569/520	polycarbonate reflector	516 × 316	1,9

Glass covers:

Code	Description	Ø 500	Kg
99-578/500	tempered glass cover	Ø 500	2,0
99-578/520	tempered glass cover	Ø 520	2,2
99-590/520	polycarbonate glass cover	Ø 520	2,0

⁴ – versions with metal halide lamp:
1 – mercury control gear
2 – sodium control gear

The luminaire is available also with an auxiliary lamp holder on request (is not suitable for Ta 35 °C).



Material:

- body: the gear box is made of die-cast aluminium finished by powder technology varnishing
- color: grey RAL 9006

Ambient temperature: Ta 35 °C

Degree of protection: IP23/65, IP65

Rated voltage: 230 V/50 Hz

Control gear: standard ballast with parallel compensation, luminaires are prepared for continuous mounting (looping)

Mounting: suspended on hook

Accessories: the fixtures are equipped with the lamps

It is possible to change the position of light source considering the reflector and get three different types of light distribution curve.

While using the luminaire without glass cover, it is necessary to use particular lamp.

Must be ordered separately:

- reflector (aluminium, polycarbonate)
- glass cover (for IP65)
- protective grill 99-258/500 (only for aluminium reflector 99-558/500)

Application: factory halls, warehouses, exhibition halls, supermarkets

While using the gear box on 400W polycarbonate reflector has not to be covered by any type of glass cover.

Reflector, diameter 520 mm:
99-569/520 – polycarbonate reflector



99-590/520



99-578/520

Glass cover, diameter 520 mm:
99-590/520 – polycarbonate glass cover
99-578/520 – tempered glass cover

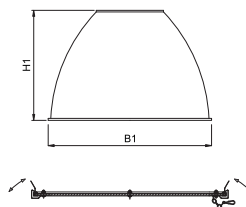
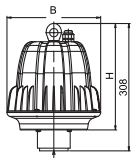
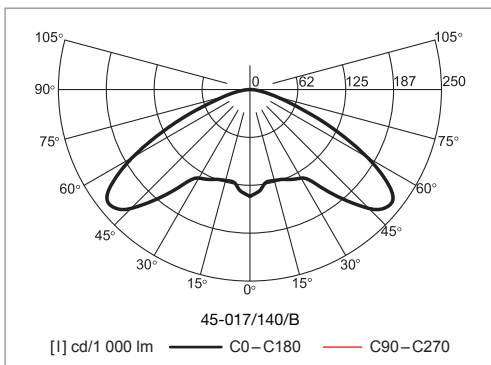


Reflector, diameter 500 mm:
99-558/500 – aluminium reflector

Protective grill
99-258/500



Glass cover, diameter 500 mm:
99-578/500 – tempered glass cover



Gear box:

Code	Power	Lamp	Cap	Ø B × H (mm)	Kg
45-015/125/B	1×250W	h.p. mercury lamp	E40	226 × 257	6,7
45-015/140/B	1×400W	h.p. mercury lamp	E40	226 × 257	7,4
45-016/125/B	1×250W	h.p. sodium lamp	E40	226 × 257	6,7
45-016/140/B	1×400W	h.p. sodium lamp	E40	226 × 257	7,4
45-017/125/B++ ¹	1×250W	metal halide lamp	E40	226 × 257	6,7
45-017/140/B++ ¹	1×400W	metal halide lamp	E40	226 × 257	7,4

Reflectors:

Code	Description	Ø B1 × H1 (mm)	Kg
99-558/500	aluminium reflector	494 × 295	1,0
99-569/520	polycarbonate reflector	516 × 316	1,9

Glass covers:

Code	Description	Ø (mm)	Kg
99-578/500	tempered glass cover	Ø 500	2,0
99-578/520	tempered glass cover	Ø 520	2,2
99-590/520	polycarbonate glass cover	Ø 520	2,0

¹ – versions with metal halide lamp:
1 – mercury control gear
2 – sodium control gear

The luminaire is available also with an auxiliary lamp holder on request.



Material:

- body: the gear box is made of die-cast aluminium finished by powder technology varnishing
- color: grey RAL 9006

Degree of protection: IP23/65, IP65

Rated voltage: 230 V/50 Hz

Control gear: standard ballast with parallel compensation, luminaires are prepared for continuous mounting (looping)

Mounting: suspended on hook

It is possible to change the position of light source considering the reflector and get three different types of light distribution curve.

Accessories: the fixtures are equipped with the lamps

While using the luminaire without glass cover, it is necessary to use particular lamp.

Must be ordered separately:

- reflector (aluminium, polycarbonate)
- glass cover (for IP65)
- protective grill 99-258/500 (only for aluminium reflector 99-558/500)

Application: factory halls, warehouses, exhibition halls, supermarkets

While using the gear box on 400W polycarbonate reflector has not to be covered by any type of glass cover.

Gear box
(included the lamp)



Reflector, diameter 500 mm:
99-558/500 – aluminium reflector



Glass covers, diameter 500 mm:
99-578/500 – tempered glass cover

Reflector, diameter 520 mm:
99-569/520 polycarbonate reflector

Protective grill 99-258/500



99-590/520

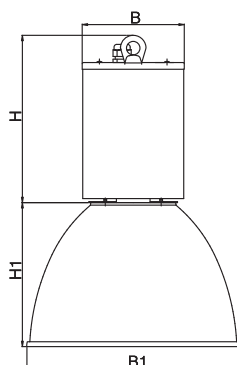


99-578/520

Glass covers, diameter 520 mm:
99-590/520 – polycarbonate glass cover
99-578/520 – tempered glass cover

Leone | 45-02, 45-03 (26 W ~ 150 W)

Industrial luminaires



Material:

- body: the gearbox is made of steel sheet finished by powder technology varnishing 45-02 with IP23, 45-03 made of perforated steel sheet with IP20
- color: grey RAL 9006

Degree of protection: IP23, IP20

Rated voltage: 230 V/50 Hz

Control gear: standard ballast with parallel compensation, low loss or electronic ballast

Mounting: suspended on hook

Accessories: the fixtures are equipped with the lamps

While using the luminaire without glass cover, it is necessary to use particular lamp.

Must be ordered separately:

- reflector (aluminium, acrylate)
- glass cover (glass, acrylate)

Application: factory halls, warehouses, exhibition halls, supermarkets

Cover glasses:

Code	Description	Ø B1 (mm)
99-578/320	tempered glass	Ø316
99-578/350	tempered glass	Ø350
99-578/420	tempered glass	Ø416
99-577/320	acrylate clear	Ø316
99-577/420	acrylate clear	Ø416
99-576/320	acrylate opal	Ø316
99-576/420	acrylate opal	Ø416

Reflectors:

Code	Description	Ø B1 × H1 (mm)
99-558/350	aluminium	350 × 247
99-568/320	acrylate clear	316 × 191
99-568/420	acrylate clear	416 × 281
99-588/320	acrylate opal	316 × 191
99-588/420	acrylate opal	416 × 281

Gear box:

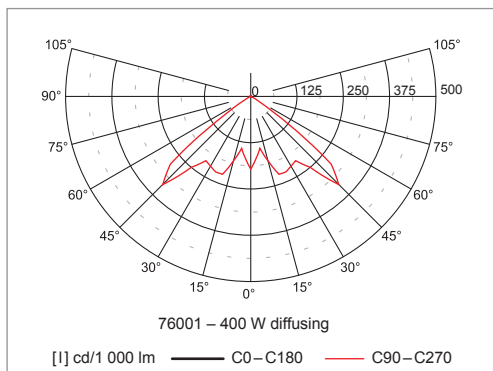
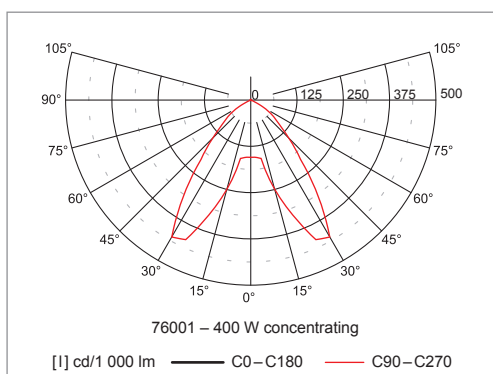
Code IP23	Code IP20	Power	Lamp	Cap	Ø B × H (mm)
45-024/126/1	45-034/126/1	1×26W	compact fl. lamp TC-TEL	GX24d(q)-3	152 × 250
45-024/132/C	45-034/132/C	1×32W	compact fl. lamp TC-TEL	GX24q-3	152 × 250
45-024/142/C	45-034/142/C	1×42W	compact fl. lamp TC-TEL	GX24q-4	152 × 250
45-024/157/C	45-034/157/C	1×57W	compact fl. lamp TC-TEL	GX24q-5	152 × 250
45-026/135/B	45-036/135/B	1×35W	h.p. sodium lamp SDW-T	PG12	152 × 250
45-026/105/B	45-036/105/B	1×50W	h.p. sodium lamp SDW-T	PG12	152 × 250
45-026/110/B	45-036/110/B	1×100W	h.p. sodium lamp SDW-T	PG12	152 × 250
45-027/135/1	45-037/135/1	1×35W	metal halide lamp HIT-CRI	G12	152 × 250
45-027/107/1	45-037/107/1	1×70W	metal halide lamp HIT-CRI	G12	152 × 250
45-027/115/1	45-037/115/1	1×150W	metal halide lamp HIT-CRI	G12	152 × 250

- 1 – E (low loss ballast for compact fluorescent lamp)
 – C (electronic ballast)
 – B (standard ballast for HP discharge lamps)



Highbay

Industrial luminaires



Material:

- body: waterproof polyester powder coated die-cast aluminium with access hatch to the terminal board compartment. Internal electrical auxiliaries' tray equipped with safety chain.
- color: grey RAL 9006
- reflector: polished anodized aluminium
- diffuser: clear tempered glass

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: standard ballast with parallel compensation

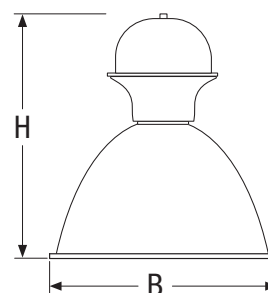
Mounting: suspended on hook

Accessories: (must be ordered separately)

12020 - protection grid

Application: factory halls, warehouses, exhibition halls, supermarkets

Luminaire is supplied with ceramic and adjustable into various positions to modify the photometric emission. Available with auxiliary lamp holder (AUX) socket E27, mains network and automatic switch off.



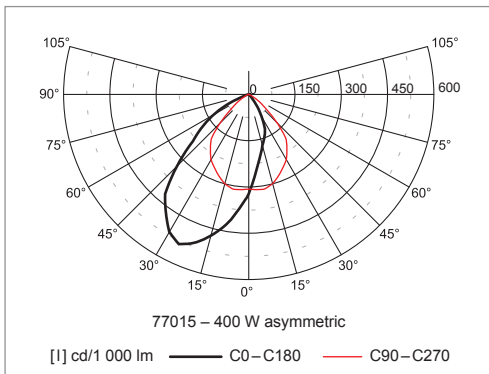
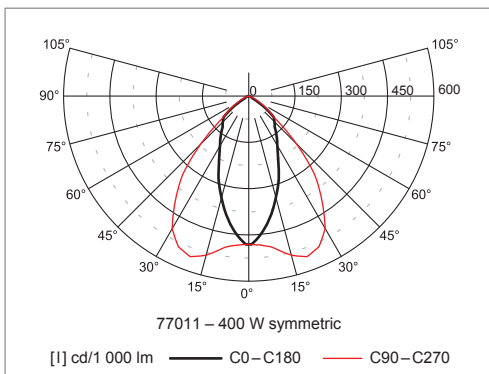
Code	Power	Lamp	Cap	Description	Ø B × H (mm)	Kg
76000	250W	metal halide lamp	E40	—	494 × 620	10,0
76001	400W	metal halide lamp	E40	—	494 × 620	10,5
76000LA	250W + AUX	metal halide lamp	E40 + E27	AUX 500W max.*	494 × 620	10,0
76001LA	400W + AUX	metal halide lamp	E40 + E27	AUX 500W max.*	494 × 620	10,5
76100	250W	h.p. sodium lamp	E40	—	494 × 620	10,0
76101	400W	h.p. sodium lamp	E40	—	494 × 620	10,5
76100LA	250W + AUX	h.p. sodium lamp	E40 + E27	AUX 500W max.*	494 × 620	10,0
76101LA	400W + AUX	h.p. sodium lamp	E40 + E27	AUX 500W max.*	494 × 620	10,5

The fixtures are not equipped with the lamps.

* Auxiliary lamp for immediate relighting with automatic switch off

Floodlight

Adjustable waterproof projectors



Material:

- body: adjustable projector with waterproof die-cast aluminium body that is coated with polyester powder
- color: grey RAL 9006
- reflector: polished anodized, hammered aluminium
- diffuser: clear tempered glass

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: standard ballast with parallel compensation.

Version 77000/070, 77001/150, 77004/070 and 77005/150 with electronic ballast.

Mounting: on a revolving bracket

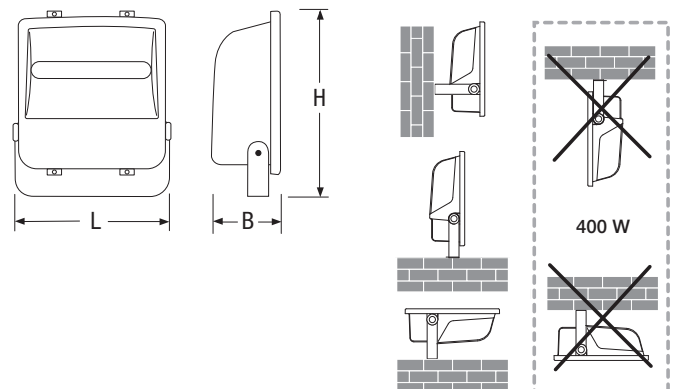
Accessories: (must be ordered separately)

77900 – small protection grid in RAL 9006 (for 70W and 150W)

77901 – big protection grid in RAL 9006 (for 250W and 400W)

Application: building exterior and monuments, shop windows, billboards, sporting areas

The fixtures are equipped with the lamps.

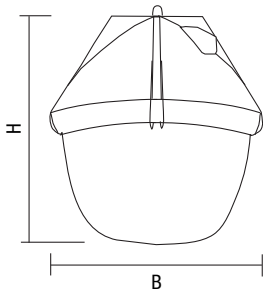


Code	Power	Lamp	Cap	Reflector	L × B × H (mm)	Kg
77000	70W	metal halide lamp	Rx7s	symmetric	265 × 125 × 400	4,6
77001	150W	metal halide lamp	Rx7s	symmetric	265 × 125 × 400	5,5
77002	250W	metal halide lamp	E40	symmetric	375 × 150 × 510	9,5
77003	400W	metal halide lamp	E40	symmetric	375 × 150 × 510	10,0
77004	70W	metal halide lamp	Rx7s	asymmetric	265 × 125 × 400	4,6
77005	150W	metal halide lamp	Rx7s	asymmetric	265 × 125 × 400	5,5
77006	250W	metal halide lamp	E40	asymmetric	375 × 150 × 510	9,5
77007	400W	metal halide lamp	E40	asymmetric	375 × 150 × 510	10,0
77000/070	70W	metal halide lamp	Rx7s	symmetric	265 × 125 × 400	4,4
77001/150	150W	metal halide lamp	Rx7s	symmetric	265 × 125 × 400	4,4
77004/070	70W	metal halide lamp	Rx7s	asymmetric	265 × 125 × 400	4,4
77005/150	150W	metal halide lamp	Rx7s	asymmetric	265 × 125 × 400	4,4

Code	Power	Lamp	Cap	Reflector	L × B × H (mm)	Kg
77008	70W	h.p. sodium lamp	Rx7s	symmetric	265 × 125 × 400	4,6
77009	150W	h.p. sodium lamp	Rx7s	symmetric	265 × 125 × 400	5,5
77010	250W	h.p. sodium lamp	E40	symmetric	375 × 150 × 510	9,5
77011	400W	h.p. sodium lamp	E40	symmetric	375 × 150 × 510	10,0
77012	70W	h.p. sodium lamp	Rx7s	asymmetric	265 × 125 × 400	4,6
77013	150W	h.p. sodium lamp	Rx7s	asymmetric	265 × 125 × 400	5,5
77014	250W	h.p. sodium lamp	E40	asymmetric	375 × 150 × 510	9,5
77015	400W	h.p. sodium lamp	E40	asymmetric	375 × 150 × 510	10,0

Leo | 40-01

Industrial luminaires



Material:

- body: rubber gear box and transparent plastic cover
- color: grey RAL 9005
- diffuser: clear polycarbonate

Degree of protection: IP54

Rated voltage: 230 V/50 Hz

Mounting: on hinged hook

The luminaire is suitable for application with mercury discharge lamp for operation without ballast (max. input 160W).

For example:

- HWL 160 (Osram)
- HSB-BW 160 (Sylvania)

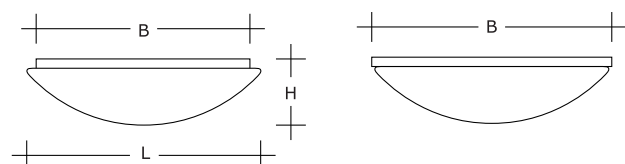
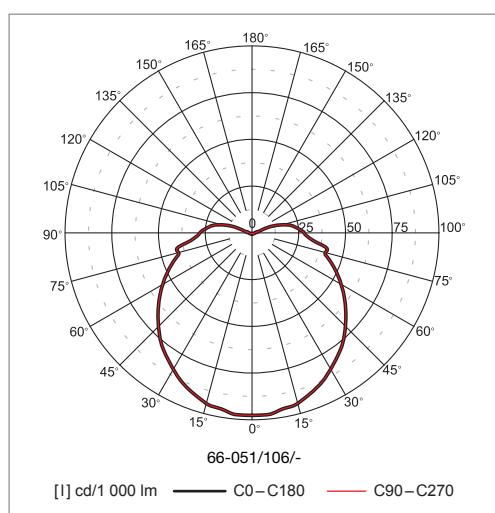
Application: farms, metallurgical plants, mine pits, belt, transporters, lift shafts, building sites, industrial buildings

The fixtures are not equipped with the lamps.

Code	Power	Lamp	Cap	B × H (mm)	Kg
40-011/115/+Y	1 × 150W	incandescent lamp 150W	E27	260 × 295	2,2

Castelo | 66-05

Ceiling and wall luminaires



Material:

- glass: blowing by hand, three-layers
- color: white-opal
- body: steel sheet white painted
- collar: made by steel white coated or brass or chrome painted or stainless steel plate

Degree of protection: IP20/IP44

Rated voltage: 230 V/50 Hz

Control gear: low loss ballast or electronic ballast; variant with incandescent lamp or reflector lamp – without the control gear

Mounting: on a ceiling or on a wall

Application: reception desks, corridors, entry halls, restaurants, conference rooms

The fixtures are not equipped with the lamps.

	Code IP20	Code IP44	Power	Cap	L × B × H (mm)	Kg
without collar	66-051/106/+	—	1×60W	E27	250 × 190 × 115	1,1
	66-051/110/+	66-451/110/+	1×100W	E27	280 × 240 × 125	1,3
	66-051/207/+	66-451/207/+	2×75W	E27	415 × 370 × 125	3,1
	66-054/113/[1]	—	1×13W	G24d(q)-1	250 × 190 × 115	1,6
	66-054/213/[1]	66-454/213/C	2×13W	G24d(q)-1	280 × 240 × 125	2,2
	66-054/218/[1]	66-454/218/[1]	2×18W	G24q-2	360 × 290 × 130	3,2
	66-054/226/[1]	66-454/226/C	2×26W	G24d(q)-3	415 × 370 × 125	4,4
with collar	66-051/106/[5]	—	1×60W	E27	250 × 260 × 120	1,3
	66-051/110/[5]	66-451/110/[5]	1×100W	E27	280 × 290 × 125	1,4
	66-051/207/[5]	66-451/207/[5]	2×75W	E27	415 × 430 × 125	3,8
	66-054/113/[1][5]	—	1×13W	G24d(q)-1	250 × 260 × 120	1,6
	66-054/213/[1][5]	66-454/213/C[5]	2×13W	G24d(q)-1	280 × 290 × 125	2,4
	66-054/218/[1][5]	66-454/218/[1][5]	2×18W	G24q-2	360 × 370 × 130	3,5
	66-054/226/[1][5]	66-454/226/C[5]	2×26W	G24d(q)-3	415 × 430 × 125	3,8

[1] – C (electronic ballast)
– D (low loss ballast, non-compensated)

[5] – color of collar: – O (white painted), – C (chrome coated), – M (brass coated), – N (stainless steel)

WL 315

Ceiling and wall luminaires IP65



Material:

- body: self-extinguishing, thermoplastic material with tough nylon frame
- color: white or black
- reflector: satin finished anodized aluminium
- diffuser: opal glass

Degree of protection: IP65

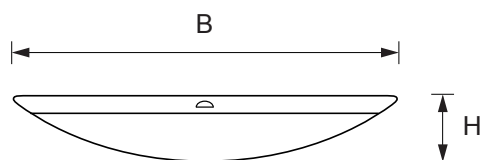
Rated voltage: 230 V/50 Hz

Control gear: low loss ballast (excluding 75002, 75102)

Mounting: on a ceiling or on a wall

Application: entry halls, reception desks, corridors, restaurants, conference rooms

The fixtures are equipped with the lamps (excluding 75002, 75102).

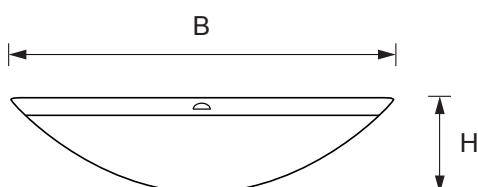
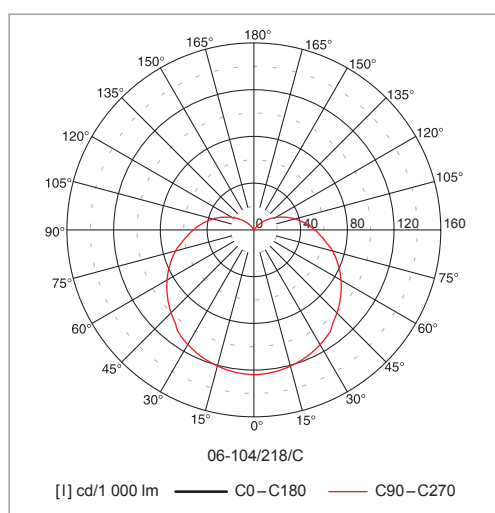


Code	Power	Lamp	Cap	Ø B × H (mm)	Color	Kg
75000	2×9W	compact fl. lamp	G23	315 × 88	white	2,1
75002	max. 75W	—*	E27	315 × 88	white	2,1
75003	1×21W	compact fl. lamp	GR8	315 × 88	white	2,1
75004	1×26W	compact fl. lamp	G24d-3	315 × 88	white	2,2
75100	2×9W	compact fl. lamp	G23	315 × 88	black	2,1
75102	max. 75W	—*	E27	315 × 88	black	2,1
75103	1×21W	compact fl. lamp	GR8	315 × 88	black	2,1
75104	1×26W	compact fl. lamp	G24d-3	315 × 88	black	2,2

* Lamps to be ordered separately.

Luna | 06-104

Ceiling and wall luminaires IP65



Material:

- body: made of white thermoplastic
- color: white
- reflector: steel sheet
- diffuser: opal polycarbonate

Degree of protection: IP65

Rated voltage: 230 V/50 Hz

Control gear: low loss ballast or electronic ballast, dimmable ballasts and emergency versions on request

Mounting: on a ceiling or on a wall

Application: hospitals, laboratories, entry halls, reception desks, corridors, restaurants, conference rooms

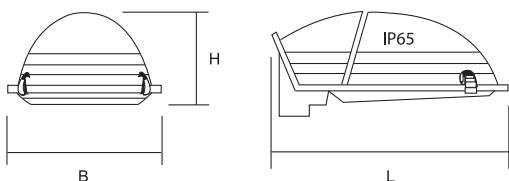
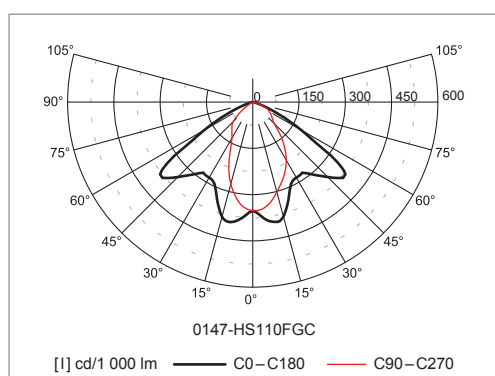
The fixtures are not equipped with the lamps.

Code	Power	Lamp	Cap	Ø B × H (mm)	Kg
06-104/118/ ¹	1×18W	compact fl. lamp	G24d(q)-2	335 × 130	1,4
06-104/218/ ¹	2×18W	compact fl. lamp	G24d(q)-2	335 × 130	1,7
06-104/126/ ¹	1×26W	compact fl. lamp	G24d(q)-3	335 × 130	1,5
06-104/226/ ¹	2×26W	compact fl. lamp	G24d(q)-3	335 × 130	2,0

¹ – E (low loss ballast)
– C (electronic ballast)

Santo | 0146, 0147

Streetlights



Material:

- body: the cover box is made of UV stabilized polypropylene (PP) reinforced by glass fibers, the gear box is made of UV stabilized polycarbonate (PC) reinforced by glass fibers
- color: gray
- reflector: polished aluminium sheet
- diffuser: clear tempered glass

Degree of protection: optical part IP65/gear box IP43

Rated voltage: 230 V/50 Hz

Control gear: standard ballast with parallel compensation

Mounting: universal mounting on stand or jib (Ø42~60mm)

Application: parking sites, traffics and subsidiary roads, industrial areas, roundabouts

The fixtures are not equipped with the lamps.

Code	Power	Lamp	Cap	L × B × H (mm)	Kg
0146-HM1050FGC	1×50W	mercury lamp	E27	500 × 310 × 190	4,7
0146-HM1080FGC	1×80W	mercury lamp	E27	500 × 310 × 190	4,7
0146-HM1125FGC	1×125W	mercury lamp	E27	500 × 310 × 190	4,7
0146-HS1050FGC	1×50W	h.p. sodium/ metal hal. lamp	E27	500 × 310 × 190	4,7
0146-HS1070FGC	1×70W	h.p. sodium/ metal hal. lamp	E27	500 × 310 × 190	4,7
0147-HM1250FGC	1×250W	mercury lamp	E40	620 × 380 × 220	6,3
0147-HS1100FGC	1×100W	h.p. sodium/ metal hal. lamp	E40	620 × 380 × 220	5,8
0147-HS1150FGC	1×150W	h.p. sodium/ metal hal. lamp	E40	620 × 380 × 220	5,8
0147-HS1250FGC	1×250W	h.p. sodium/ metal hal. lamp	E40	620 × 380 × 220	6,3

Business terms & conditions

I. General Provisions

These General Terms and Conditions of Sale (hereinafter »Terms«) govern relations between BEGHELLI-ELPLAST, a.s. (hereinafter »Beghelli-Elplast«, as the seller, and its customers (hereinafter »Buyer«), in selling/purchasing of products, goods, and services provided by Beghelli-Elplast (hereinafter »Products«).

II. Sequence of Documents

In case of a divergence between provisions of various documents regulating relations between Beghelli-Elplast and the Buyer, in the sense and in the extent in which they are in contradiction, the sequence of their obligatory force is as follows:

1. Single-purpose conditions agreed upon individually for a specific business transaction and confirmed in writing by both parties in a relevant commercial document (inquiry, offer, order, order acknowledgement, invoice).
2. Contract of purchase or a general contract of purchase, if such is entered into between Beghelli-Elplast and the Buyer.
3. Special commercial terms and conditions, which are part of the contract of purchase or the general contracts of purchase between Beghelli-Elplast and the Buyer.
4. These Terms.

III. Ordering Procedure

The Buyer submits its purchase orders in writing via electronic mail or by fax. The order shall include, among others, unambiguous specification and quantity of Products and the required delivery term. By its receipt by Beghelli-Elplast the purchase order becomes binding.

Unless expressly agreed between Beghelli-Elplast and the Buyer in writing in documents specified in the Article II. Par. 1 of these Terms, any part of the Buyer's purchase order which is in contradiction or anyway inconsistent with these Terms, will be ignored and not applied to the concerned business transaction. Beghelli-Elplast shall acknowledge the purchase order in writing via electronic mail or by fax, specifying the delivery time or the currently available quantity. In case Beghelli-Elplast cannot confirm the delivery time of some or all items of the order within 48 (forty eight) hours, it shall confirm to the Buyer at least the fact of the order receipt including information on the supposed term of sending the final order acknowledgment.

In no event shall Beghelli-Elplast be liable for consequences of an eventually denied order or of any part of it.

If within 7 (seven) calendar days after receipt of the order acknowledgement by the Buyer, or within a shorter term in respect of the supposed delivery term, the Buyer does not raise in writing via electronic mail or by fax any objection against the supposed delivery time or against other terms of the order acknowledgement, the order acknowledgement becomes the only binding and final document superior to the Buyer's order. Any changes of the order so acknowledged are possible only in very exceptional cases and only after a prior written agreement of Beghelli-Elplast by cancellation of the concerned item in the original order and issuance of a new one.

In case meeting of a delivery time confirmed in the order acknowledgement appears unfeasible, Beghelli-Elplast shall inform the Buyer not later than 1 (one) day prior the supposed delivery term and indicate a substitutive delivery time.

In no event shall Beghelli-Elplast be liable for loss of profit, operational loss, specific, subsequent, incidental or criminal damages or damages of any other kind due to its failure to meet the delivery times confirmed in an order acknowledgement.

IV. Delivery/Takeover of Products

Unless stipulated otherwise in the documents specified in the Article II. Par. 1 of these Terms, the delivery terms are EXW Brno (place of the distribution warehouse or production plant of Beghelli-Elplast). Transfer of the costs and risks from Beghelli-Elplast to the Buyer is governed by the corresponding provisions of Incoterms 2000.

Upon takeover of the Products, at the moment and at the location pursuant to the applied delivery terms, the Buyer is obliged to examine conformity of the Products or cause them to be examined in respect of their specification, quantity, completeness, and external damage.

If within 7 (seven) calendar days from the date of the takeover the Buyer does not raise any claim of nonconformity, using the appropriate procedure on the Beghelli-Elplast's website, via electronic mail, or by fax, the risk of a lack of quantity, incompleteness or external damage of the Products passes to the Buyer – except when the proper examination cannot be done without unpacking of the single Product. In such case the period for raising a claim for Products nonconformity is extended until the proper examination can be first done, however not longer than for 14 (fourteen) calendar days from the Products takeover.

V. Payment

The Buyer shall pay for the supplied Products within the period, in the currency and on the bank account indicated in the Beghelli-Elplast's invoice. The due day is the day when the Beghelli-Elplast's account is credited.

Should the Buyer is in delay with the payment, Beghelli-Elplast may require a delay interest of 0,1 % on the unpaid amount for each day of the delay. Paying off such delay interests by the Buyer does not affect Beghelli-Elplast's right to indemnity for eventual other damages related to the delayed payment.

In case the Buyer's delay with payment becomes substantial, Beghelli-Elplast has the right to suspend or cancel all remaining orders of the Buyer and require an immediate payment for all its issued invoices regardless of their maturity. Such measure does not affect Beghelli-Elplast's right to indemnity for eventual other damages related to the delayed payment.

VI. Reserve of Property Right

The property right to the Products passes over to the Buyer not until it pays to Beghelli-Elplast the purchase price in the full amount. In case of a payment delay, Beghelli-Elplast may prohibit the Buyer from using the delivered Products or may apply its right to the Products return. For the whole such time, the Buyer is responsible for all risks relating to the delivered Products.

Until the property right passes over from Beghelli-Elplast to the Buyer, the Buyer cannot transfer it to any third person. In case of breach of this property reserve by the Buyer in consequence of which a third party would attain in good faith the property right to the Products, Beghelli-Elplast would become entitled to a contractual penalty amounting up to the price of the so concerned Products, which the Buyer is obliged to pay within by Beghelli-Elplast requested time. Paying off such a penalty by the Buyer does not affect Beghelli-Elplast's right to indemnity for eventual other related damages.

Further sale of the Products, to which the Beghelli-Elplast's reserve of property applies, to a third party is possible only on the condition that the Buyer reserves its right of property for at least the period until it fully pays to Beghelli-Elplast for the concerned Products.

On the reserved Products no lien may be imposed nor may the Products be used by anybody as a security for any kind of liability. Eventual return of the Products as a consequence of its failure to pay does not deprive the Buyer of its obligation to pay for the Products which were not returned, to compensate the derogated value of the Products that were not returned in the quality in which they had been supplied, or to pay off the whole delay interest to which Beghelli-Elplast is entitled.

VII. Price and Terms Modification

Prices or other terms and conditions stated in Beghelli-Elplast's general pricelists, promotional or other commercial materials have an informative character only and in no way constitute the Buyer's right to obtain them.

The prices in Beghelli-Elplast's pricelists exclude VAT, recycling fee and other charges, taxes or duties of any kind, which, in case they are applicable to the Products according to the local law and Beghelli-Elplast is obliged to pay them, will be re-invoiced to the Buyer separately from the selling price.

In the event of unforeseen sudden changes of material, energy or other subsupply prices, other costs and circumstances which Beghelli-Elplast cannot influence nor put off, Beghelli-Elplast reserves the right to modify prices, payment, delivery and other terms and conditions with an immediate effect. Such modified prices or terms and conditions shall be applicable to all Products previously ordered by the Buyer and acknowledged by Beghelli-Elplast upon receipt of a written Beghelli-Elplast's notice by the Buyer via electronic mail or by fax. In such case the Buyer has the right to withdraw from all so affected and so far not delivered orders or from their parts.

VIII. Changes of Products

Beghelli-Elplast reserves the right at its own discretion to change or modify technical specification of the Products or to alter the range of the Products by withdrawing or changing of the existing Products or adding new ones, provided such change does not substantially affect functional properties in a negative way, dimensions or service life of the concerned Products.

IX. Warranty

With exceptions pursuant to Article VII. of these Terms, Beghelli-Elplast guarantees that the Products shall be of identical type and properties referred to in its technical documentation and free of defects in material and workmanship for a period of – if not stated otherwise in the accompanying documents of the particular Products or in other Beghelli-Elplast documentation – 24 (twenty four) months from the day of the Beghelli-Elplast's invoice to the Buyer (hereinafter »Warranty Period«). After expiry of such Warranty Period, the Buyer may not enforce its right to indemnity for any damage due to such nonconformities.

In case a nonconformity of the supplied Products occurs during the Warranty Period, the Buyer is obliged to inform Beghelli-Elplast using the appropriate procedure on Beghelli-Elplast's website or via electronic mail or by fax, not later than within 3 (three) working days from discovery of this fact and to provide Beghelli-Elplast with information and collaboration it may require, including obtaining samples of the Products under the claim and dispatching them to Beghelli-Elplast headquarters.

In case Beghelli-Elplast acknowledges justification of the claim, it provides the Buyer with a remedy in the form and in the sequence as stated below:

- defective Product repair or replacement of its defective parts;
- replacement of the defective Product with a defect-free one;
- compensation of the purchase price.

The decision on form of the remedy is in Beghelli-Elplast's sole discretion dependent on the technical, logistic, and other circumstances. Beghelli-Elplast may also grant to the Buyer a reasonable discount on the price, if the Buyer agrees.

Without a prior written consent of Beghelli-Elplast, the Buyer may neither dispatch the Products under the claim to Beghelli-Elplast, nor delay, nor fully or partially suspend payment for the concerned Products.

This warranty does not cover any faults caused by normal deterioration; accelerated deterioration caused by specific physical, chemical or electrochemical conditions; insufficient maintenance or incorrect repair; failure to observe storage, user and operating instructions; use of unsuitable materials, parts and tools; as well as any fault due to circumstances beyond Beghelli-Elplast reasonable control.

There are no other warranties, expressed or implied, direct or indirect, beyond those expressly set forth herein. In no event shall Beghelli-Elplast be liable for loss of profit, operational loss, specific, subsequent, incidental or criminal damages or damages of any other kind based on a nonconformity claim or otherwise

related to the Products supplied by Beghelli-Elplast pursuant to these Terms or to particular business transactions complying with these Terms.

No claim of any kind, where as to Products delivered or for failure to deliver, and whether or not based on negligence, shall be greater in amount than the selling price of the Products with respect to which such claim is made.

The Buyer shall not provide any guarantee, expressed or implied, direct or indirect, relating to any Product, which would differ from the warranties provided by Beghelli-Elplast for such Product.

X. Force Majeure

Beghelli-Elplast shall not be liable for a partial or entire failure to meet its obligations pursuant to these Terms, especially for suspension, delay or cancellation of the Buyer's orders, even if previously acknowledged, in cases beyond its reasonable control, including but without limitation:

- intervention of force majeure, war, revolt, civil riots, embargo, interference of civil or military authorities;
 - changes relating to administrative, hygienic, and medical laws or regulations;
 - strikes, operational or other production disruptions;
 - interruption of or hindrance in transport;
 - fire, floods, other climate extremes and natural hazard events;
- In such events the Buyer has no right to indemnity for any damages, penalties, nor any other indemnification, direct or indirect.

Similar events entitle the Buyer not to take the ordered Products, even already manufactured; however none of these entitles the Buyer not to fulfill its liabilities related to the Products delivered previously, especially to pay the purchase price at the full amount and in the agreed term.

In case of impossibility to meet their obligations for such reasons, Beghelli-Elplast or the Buyer are obliged to advise without unnecessary delay the other party of this fact and its reasons, as well as of ceasing of their effects once it comes on.

XI. Governing Law – Jurisdiction

Relations not expressly regulated by these Terms, nor by other documents as specified in the Article II. Par. 1 of these Terms, are governed by United Nations Convention on contracts for the international sale of goods, Vienna, 1980/04/11.

All disputes arisen between Beghelli-Elplast and the Buyer in connection to these Terms which could not be settled by their mutual conciliation shall be submitted to a sole arbitrator. The arbitrator shall be appointed by the Chairman of Committee of International Arbitration of the National Committee of International Chamber of Commerce of the Czech Republic.

Note:

These General Terms and Conditions of Sale are regularly updated and in this catalogue they are for information only. Binding and up to date General Terms and Conditions of Sale will be sent to you together with Sales Documentation or Contract or if need be on request.

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Beghelli

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25-073/236/ET	31	45-024/132/C	49	66-054/218/D+++0	53	99-185	26, 28, 29	99-583	35
25-073/249/CT	31	45-024/142/C	49	66-054/218/D+++C	53	99-186	26, 28, 29	99-584	35
25-073/254/CT	31	45-024/157/C	49	66-054/218/D+++M	53	99-187	26, 28, 29	99-588/320	49
25-073/258/CT	31	45-026/105/B	49	66-054/218/D+++N	53	99-188	26, 28, 29	99-588/420	49
25-073/258/ET	31	45-026/110/B	49	66-054/226/C	53	99-189	26, 28, 29	99-590/520	47, 48
25-073/280/CT	31	45-026/135/B	49	66-054/226/C+++0	53	99-190	26, 28, 29	99-695	41
250R	46	45-027/107/B	49	66-054/226/C+++C	53	99-191	26, 28, 29	99-825	44
26-914/455/CT	41	45-027/107/C	49	66-054/226/C+++M	53	99-193	35	99-826	44
26-914/655/CT	41	45-027/115/B	49	66-054/226/C+++N	53	99-194	35	99-827	44
26-924/455/CT	41	45-027/115/C	49	66-054/226/D	53	99-195	35		
26-954/455/C	41	45-027/135/B	49	66-054/226/D+++0	53	99-258/500	47, 48		
26-954/655/C	41	45-027/135/C	49	66-054/226/D+++C	53	99-25C0	31		
26-964/455/C	41	45-034/126/C	49	66-054/226/D+++M	53	99-25C1	31		

Symbols and type approval

Appliances conform to CE Directives.



Fixtures suitable for installation on normally flammable surfaces.



Protection against electric shock rate I



Fixtures characterized by special resistance to UV rays and mineral oils



Fixture equipped with a magnetic sensor for emergency test function



Fixtures with insulation Class II. Fixture without this symbol must be considered Class I.



Certificate ENEC 21 (EZÚ Prague)
Certificate ENEC 03 (IMQ Italy)



Level of protection against external factors.
(According to IEC EN 60529)



Indicates the temperature of the glow wire test
(EN 60598-1).



Product according to ATEX Norm 94/9/CE suitable for zone 02-22.



Code for protection level provided with covers of electric appliances against the exterior mechanical impact.



Luminaire with symbol "Easy Set" will be supplied by request with lamps, protective foil, and connector.



Certificate EMC (EZÚ Prague)



Fluorescent lamp T5 Ø 16 mm



Fluorescent lamp T8 Ø 26 mm



Compact fluorescent lamp 2G11



Compact fluorescent lamp 2G7



Compact fluorescent lamp G24q-1



LED lamp



Emergency luminaires equipped with batteries assuring a duration of 1 hour after 12 hours of charging



Logica FM



Maximum visibility distance of safety signs according to UNI EN 1838



Emergency lighting systems



Emergency luminaire Logica



Emergency luminaire Logica FM



Logica system



AutoTest



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