

 **META**
by Palazzoli

Lighting to save



excellence
FROM ITALY

Palazzoli

Perfect circle of light

Much more than an original design

The circular crown shape of META

- enhances the user's visual comfort
- facilitates installation: the rotosymmetrical geometry does not require further adjustments
- extends the life of the device, thanks to a perfect heat dissipation.

META has been conceived and designed to meet the most specific needs of the industrial, commercial, food, sports and outdoor sectors, in that:

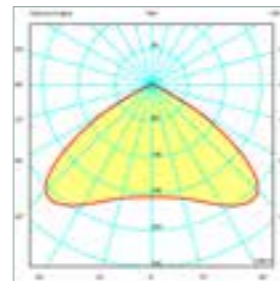
- eliminates the need for maintenance (over 30 years approximately), preserving the production processes
- guarantees the longest service life: after 110,000 hours of operation, the residual luminous flux is over 80% of the initial one
- ensures maximum economic and energy savings.



Pendant mounting

Symmetrical 110° extra wide beam

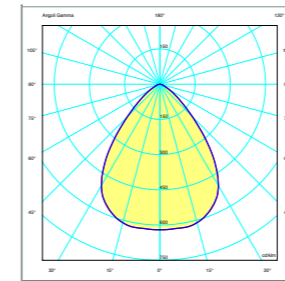
Installation between 5 m and 9 m



PAGE 14 Glass diffuser
 PAGE 16 Polycarbonate diffuser
 PAGE 18 DALI with glass diffuser
 PAGE 20 DALI with polycarbonate diffuser
 PAGE 22 HT + 55°C with glass diffuser
 PAGE 24 HT + 55°C with polycarbonate diffuser
 PAGE 27 ATEX with glass diffuser

Symmetrical extra wide beam comfort 80°

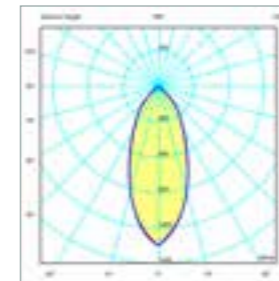
Installation between 5 m and 9 m



PAGE 14 Glass diffuser
 PAGE 16 Polycarbonate diffuser
 PAGE 18 DALI with glass diffuser
 PAGE 20 DALI with polycarbonate diffuser
 PAGE 22 HT + 55°C with glass diffuser
 PAGE 24 HT + 55°C with polycarbonate diffuser
 PAGE 27 ATEX with glass diffuser

Symmetrical 41° narrow beam optics

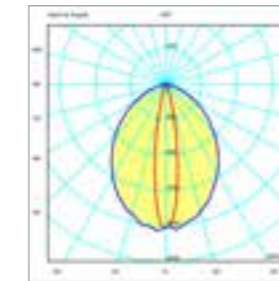
Installation over 9 m



PAGE 15 Glass diffuser
 PAGE 17 Polycarbonate diffuser
 PAGE 19 DALI with glass diffuser
 PAGE 21 DALI with polycarbonate diffuser
 PAGE 23 HT + 55°C with glass diffuser
 PAGE 25 HT + 55°C with polycarbonate diffuser
 PAGE 27 ATEX with glass diffuser

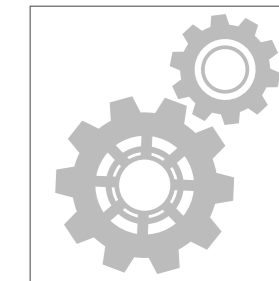
Symmetrical 92°x20° elliptical beam

Installation between narrow aisles



PAGE 15 Glass diffuser
 PAGE 17 Polycarbonate diffuser
 PAGE 19 DALI with glass diffuser
 PAGE 21 DALI with polycarbonate diffuser
 PAGE 23 HT + 55°C with glass diffuser
 PAGE 25 HT + 55°C with polycarbonate diffuser
 PAGE 27 ATEX with glass diffuser

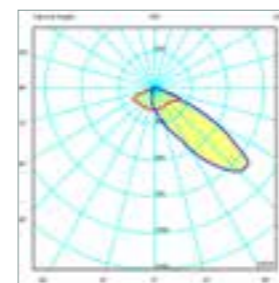
Accessories



PAGE 28

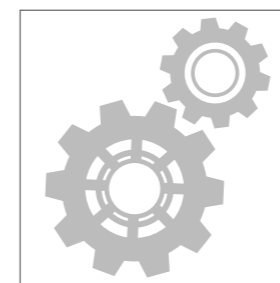
Floodlights

Asymmetrical 50° narrow beam optics



PAGE 26 Glass diffuser
 PAGE 27 ATEX with glass diffuser

Accessories



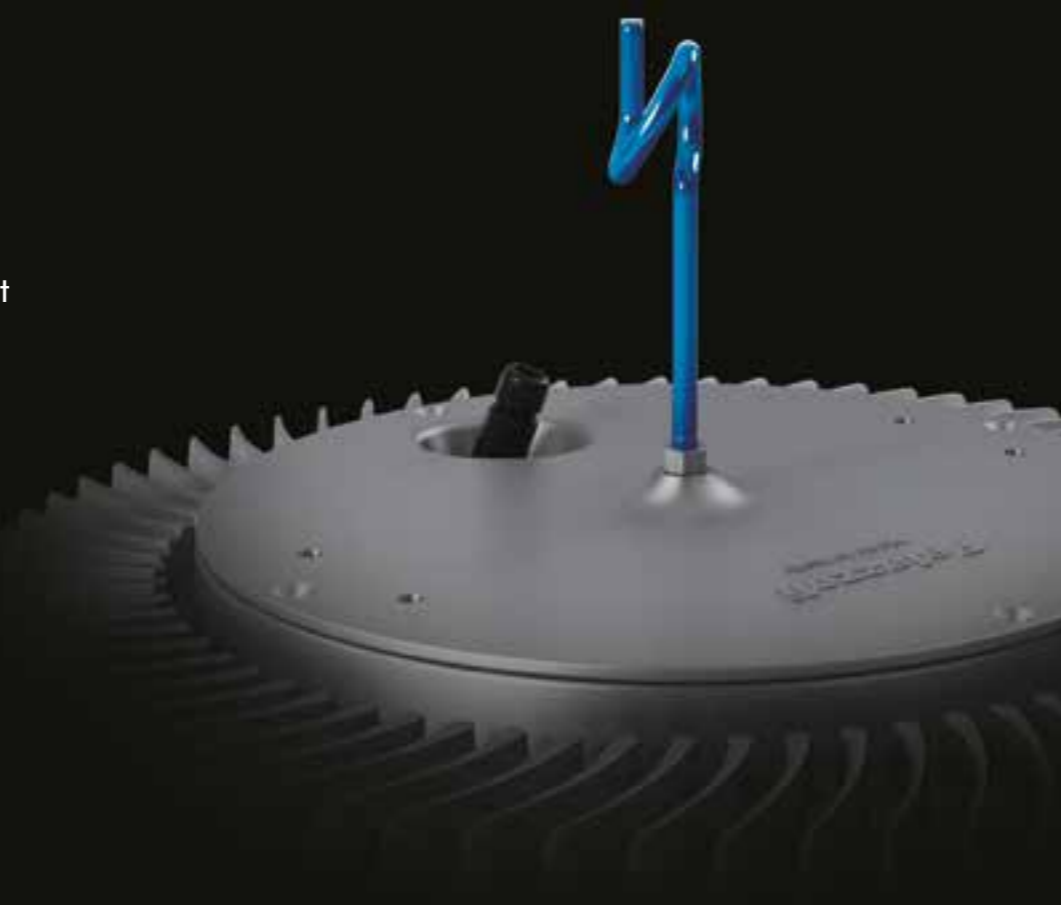
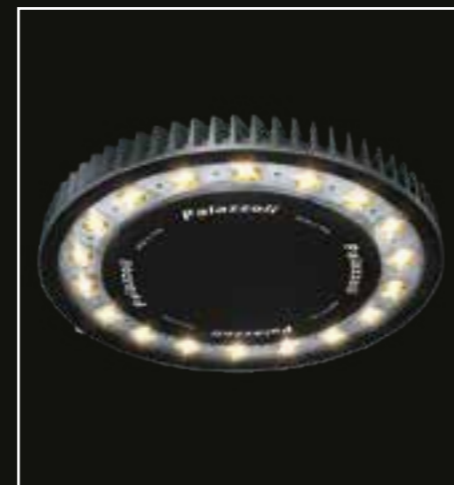
PAGE 28

Easy relamping

Thanks to the new pendant mounting system, replacing old inefficient light fixtures is a simple remove and replace operation, with no need of adjustments and regulations. By replacing the old reflector, META guarantees many benefits:

- energy savings up to to 50%
- zero maintenance costs
- comfort and health protection (no mercury)
- clean light (no UV and IR)
- flexibility: many solutions for all environments.

META offers many solutions for the light distribution (symmetrical, asymmetrical, elliptical, etc.), whilst maintaining the traditional circular shape typical of industrial high bay lighting fixtures.



Safe and durable



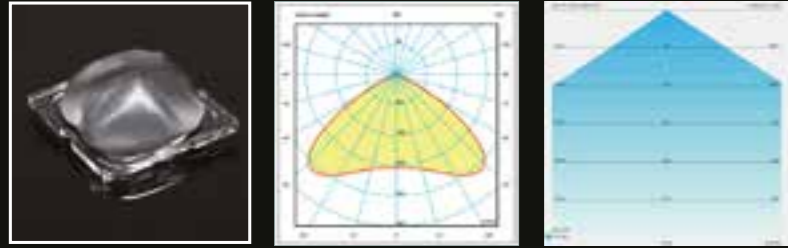
The long life of META is guaranteed by various design and production features:

- selected electronic components
- exclusive thermal management system that keeps semiconductors unaltered over time
- X-ray testing of LED welded joints
- strict 100% testing with 24 hour burn-in cycles
- breathing valve made of anti-condensation Gore-Tex®.

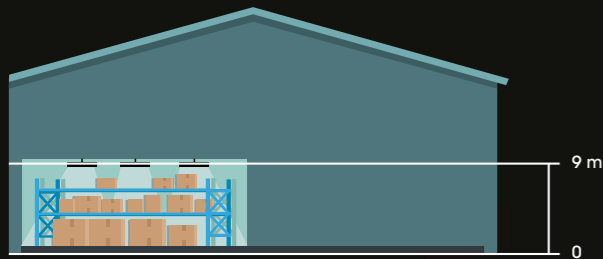
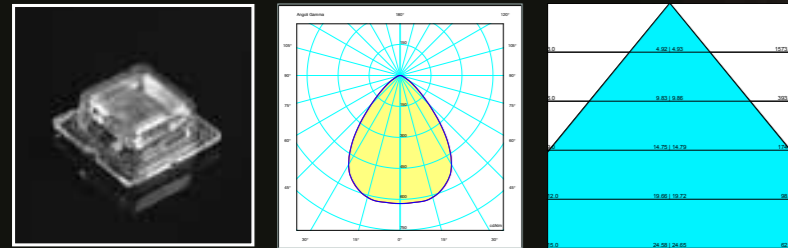
The power supply is protected against surge discharges up to 6 kV between phases and 10 kV phase to earth, and is separated from the optical compartment: this extends product life without a need for maintenance.



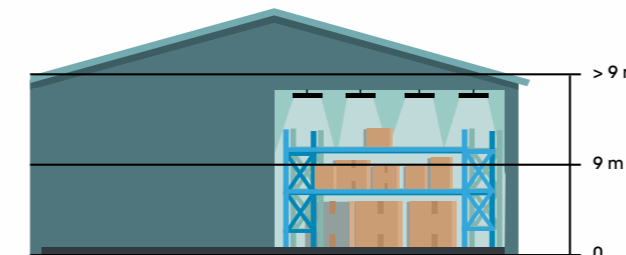
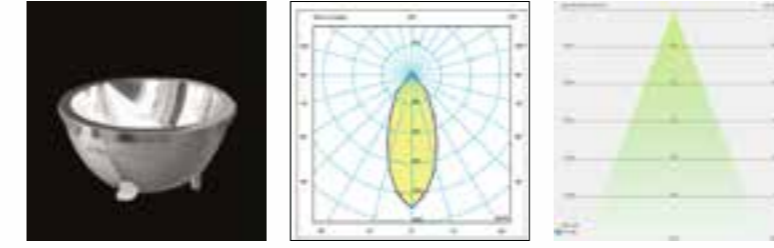
For heights between 5 and 9 meters
with rotosymmetrical 110° extra wide beam optics



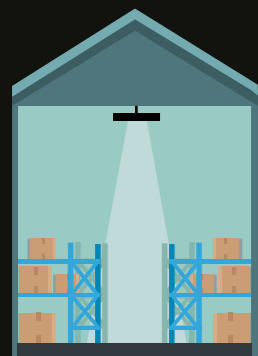
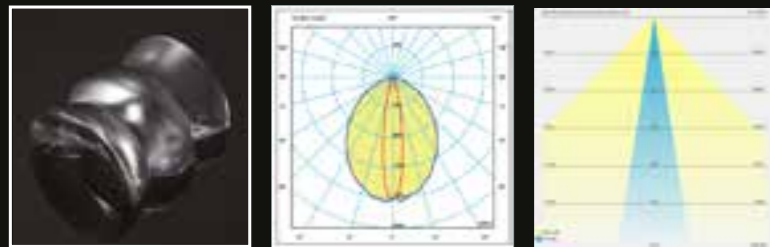
with rotosymmetrical comfort 80° extra wide beam optics



For heights over 9 meters
with rotosymmetrical 41° narrow beam optics

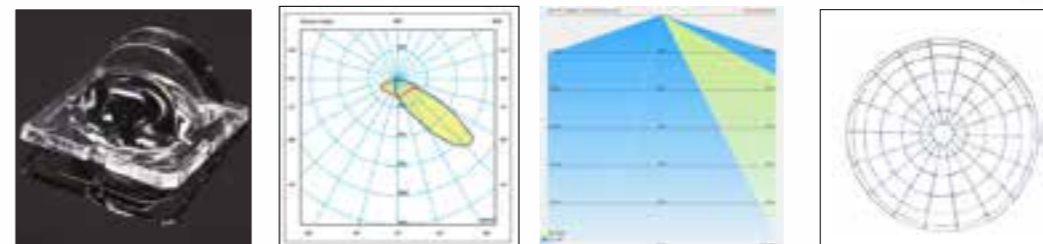


For warehouse aisles
with 92°x20° elliptical beam optics

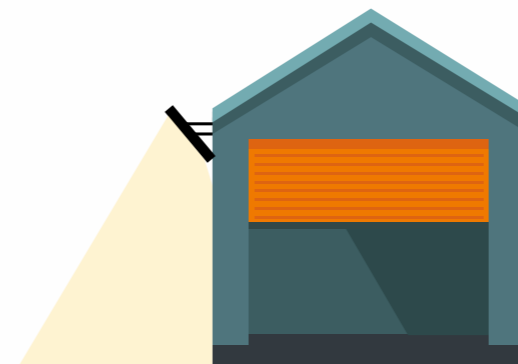


For outdoor areas
and sport centres

with asymmetrical light distribution



For a better resistance to impacts,
a protective guard is available
as an accessory.



Also in emergency

All versions of META can be equipped with an emergency module. The inverter and battery pack are located within an IP66/IP67 box complete with connectors, and are separated from the fixture.

This configuration allows the quick installation of the emergency kit (for 1 to 3 hours) in the most suitable position of the system, close to the unit, or directly on the body of the lighting fixture, thanks to a specific bracket supplied.

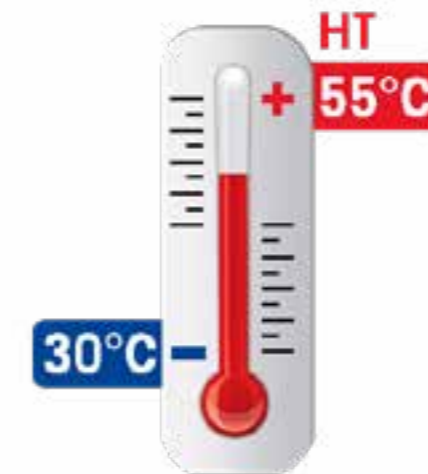


Tailor-made adjustment

The adjustable power supplies allow to optimise the illumination and energy consumption based on the actual needs of the installation sites.

A properly regulated system enhances safety, visual comfort and energy savings.

The META range consists of 1-10V versions with adjustments made by analog signals, or of DALI versions, which use a specific protocol on a bus system capable of improving system customization, thus providing greater energy savings.



The temperature can reach even higher values in summers due to the heat emitted by the roofs, near which the device is usually installed.

META HT is perfectly suitable for these conditions, thanks to its heat resistance up to +55 °C.

META pendant mounting



Datasheet



META guarantees specific lighting and mechanical characteristics for installation in industrial environments, food industries, sports facilities and outdoor areas.

The body is made of die-cast aluminium with anti-corrosion treatment, finished with a scratch-resistant powder coating.

The diffuser, made of extra clear tempered glass with 4 mm thickness, guarantees maximum resistance in harsh environments with chemical substances.

The polycarbonate diffuser is suitable for installation in food industries, compliant with HACCP standards.

The different light distributions - extra wide, narrow, elliptical and asymmetrical - with UGR < 22, allow for finding the best solutions for the different working applications, guaranteeing visual comfort and best light performance.

The photometric curves (LDT files) are available at www.palazzolilux.com

Conformity to standards

Directive 2014/35/EU
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 62471
EN 62493
IEC/TR 62778
Directive 2014/30/EU
EN 55015
EN 61547
EN 61000-3-2
EN 61000-3-3
Directive 2011/65/EU
EN 50581
DIN 18032-3
EN 13964 Annex D
EN 60598-2-24

Body material **EN 46100 aluminium alloy**

Surface treatment **Fluorozirconate passivation**

Diffuser material **Extra clear tempered glass or polycarbonate**

Protection rating
(IP as per IEC/EN 60529) **IP66/IP67**

Paint **Hot-polymerized non-toxic polyester**

Colour **RAL 7011**

Impact resistance
(IK rating as per IEC/EN 62262) **IK08**

Corrosion class
as per ISO 9223 **C3**

Weight **max 9.5 kg**

LED device efficiency **Up to 110 lm/W**

Colour temperature **4000K (other temperatures on request)**

CRI **≥ 80**

Insulation class **I (II on request)**

Supply voltage **200-240 V 50-60 Hz**

Input surge protection
EN 61000-4-5 **10kV common mode
6 kV differential mode**

Residual flicker **< 1%**

Photobiological risk **Exempt**

Glare index **UGR ≤ 22**

Power factor **≥ 0.95**

Max. conductor cross-section **1.5 mm²**

Entry cable diameter **7-13 mm**

Emergency battery lifetime **1-3 h**

Emergency battery charging time **24 h**

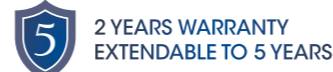
Estimated device lifetime **L80 B20 @ 110.000h Tq=-30 °C - +40 °C
Tq=-30 °C - +55 °C (HT version)**

Storage temperature **-40 °C - +70 °C**

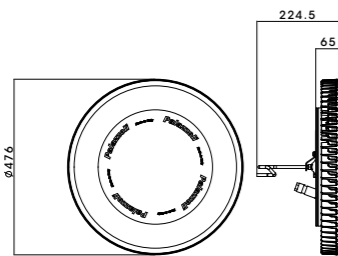
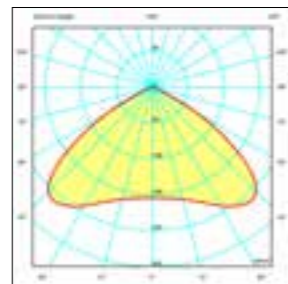
Operating temperature **-30 °C - +40 °C
-30 °C - +55 °C (HT version)**



1-10V DIMMABLE



110000h



Pendant LED light fixtures
glass diffuser
rotosymmetrical 110°
extra wide beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-----------------------------|----------------|----------|
| 9 | 99 | 13230 | 10830 | 1-10 V dimmable as standard | 810090 | 1 |
| 12 | 133 | 17640 | 14439 | | 810020 | 1 |
| 15 | 168 | 22050 | 18049 | | 810050 | 1 |
| 18 | 199 | 26460 | 21659 | | 810080 | 1 |
| 9 | 99 | 13230 | 10830 | Emergency* | 810190 | 1 |
| 12 | 133 | 17640 | 14439 | | 810120 | 1 |
| 15 | 168 | 22050 | 18049 | | 810150 | 1 |
| 18 | 199 | 26460 | 21659 | | 810180 | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector. (2 connectors for the emergency versions)

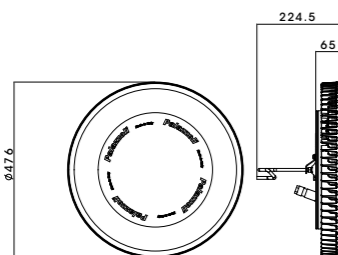
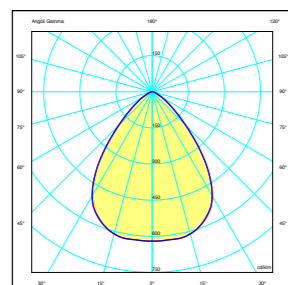
Features: typical installation height between 5 and 9 m.

*The emergency version is to be completed with the kit on page 28.

Notes: the stated values may be subject to a +/- 7% tolerance.

Other wireless control systems are available on request.

110000h | UGR≤22



Pendant LED light fixtures
glass diffuser
rotosymmetrical
comfort 80°
extra wide beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-----------------------------|----------------|----------|
| 9 | 99 | 13230 | 10163 | 1-10 V dimmable as standard | 810097 | 1 |
| 12 | 133 | 17640 | 13550 | | 810027 | 1 |
| 15 | 168 | 22050 | 16938 | | 810057 | 1 |
| 18 | 199 | 26460 | 20325 | | 810087 | 1 |
| 9 | 99 | 13230 | 10163 | Emergency* | 810197 | 1 |
| 12 | 133 | 17640 | 13550 | | 810127 | 1 |
| 15 | 168 | 22050 | 16938 | | 810157 | 1 |
| 18 | 199 | 26460 | 20325 | | 810187 | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector. (2 connectors for the versions in emergency).

Features: typical installation height between 5 and 9 m.

*The emergency version is to be completed with the kit on page 28.

Notes: the stated values may be subject to a +/- 7% tolerance.

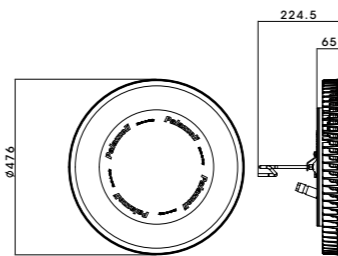
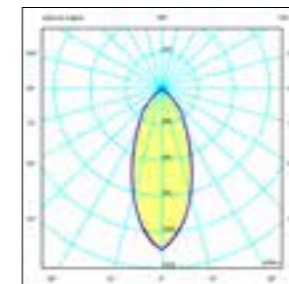
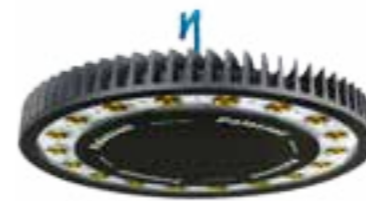
Other wireless control systems are available on request.



1-10V DIMMABLE



110000h | UGR≤22



Pendant LED light fixtures
glass diffuser
rotosymmetrical
41° narrow beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-----------------------------|----------------|----------|
| 9 | 99 | 13230 | 10572 | 1-10 V dimmable as standard | 810091 | 1 |
| 12 | 133 | 17640 | 14096 | | 810021 | 1 |
| 15 | 168 | 22050 | 17620 | | 810051 | 1 |
| 18 | 199 | 26460 | 21144 | | 810081 | 1 |
| 9 | 99 | 13230 | 10572 | Emergency* | 810191 | 1 |
| 12 | 133 | 17640 | 14096 | | 810121 | 1 |
| 15 | 168 | 22050 | 17620 | | 810151 | 1 |
| 18 | 199 | 26460 | 21144 | | 810181 | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector. (2 connectors for the emergency versions)

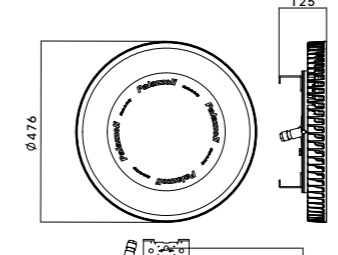
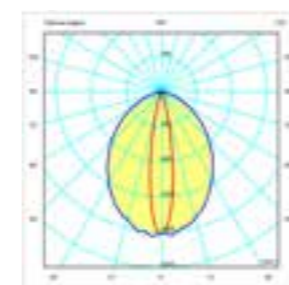
Features: typical installation height over 9 m.

*The emergency version is to be completed with the kit on page 28.

Notes: the stated values may be subject to a +/- 7% tolerance.

Other wireless control systems are available on request.

110000h | UGR≤22



Pendant LED light fixtures
glass diffuser 92°x20°
elliptical beam optics
IP66

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-----------------------------|----------------|----------|
| 9 | 99 | 13230 | 9965 | 1-10 V dimmable as standard | 810092 | 1 |
| 12 | 133 | 17640 | 13287 | | 810022 | 1 |
| 15 | 168 | 22050 | 16609 | | 810052 | 1 |
| 18 | 199 | 26460 | 19931 | | 810082 | 1 |
| 9 | 99 | 13230 | 9965 | Emergency* | 810192 | 1 |
| 12 | 133 | 17640 | 13287 | | 810122 | 1 |
| 15 | 168 | 22050 | 16609 | | 810152 | 1 |
| 18 | 199 | 26460 | 19931 | | 810182 | 1 |

Equipment included: connection with double chain bracket. Power supply with 5P quick connector. (2 connectors for the versions in emergency)

Features: suitable for installation between the aisles of warehouses.

*The emergency version is to be completed with the kit on page 28.

Notes: the stated values may be subject to a +/- 7% tolerance.

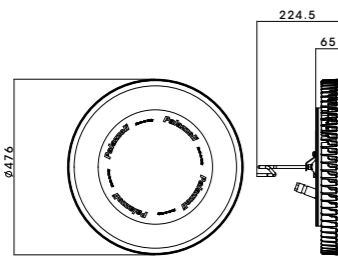
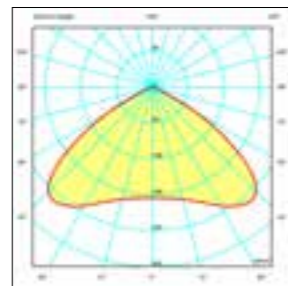
Other wireless control systems are available on request.



1-10V DIMMABLE



110000h



Pendant LED light fixtures
HACCP-compliant
for food industry
polycarbonate diffuser
rotosymmetrical extra wide beam optics 110°
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-----------------------------|----------------|----------|
| 9 | 99 | 13230 | 10830 | 1-10 V dimmable as standard | 810093 | 1 |
| 12 | 133 | 17640 | 14439 | | 810023 | 1 |
| 15 | 168 | 22050 | 18049 | | 810053 | 1 |
| 18 | 199 | 26460 | 21659 | Emergency* | 810083 | 1 |
| 9 | 99 | 13230 | 10830 | | 810193 | 1 |
| 12 | 133 | 17640 | 14439 | | 810123 | 1 |
| 15 | 168 | 22050 | 18049 | | 810153 | 1 |
| 18 | 199 | 26460 | 21659 | 810183 | 1 | |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector. (2 connectors for the emergency versions)

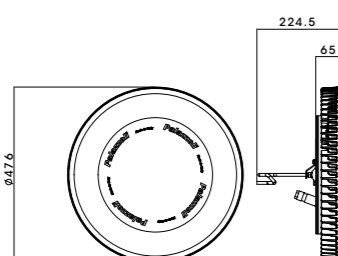
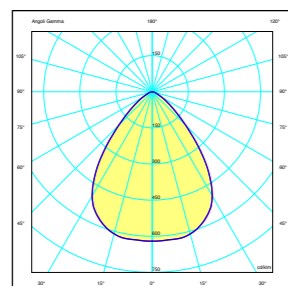
Features: typical installation height between 5 and 9 m.

*The emergency version is to be completed with the kit on page 28.

Notes: the stated values may be subject to a +/- 7% tolerance.

Other wireless control systems are available on request.

110000h | UGR<22



Pendant LED light fixtures
HACCP-compliant
for food industry
polycarbonate diffuser
rotosymmetrical comfort 80°
extra wide beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-----------------------------|----------------|----------|
| 9 | 99 | 13230 | 10163 | 1-10 V dimmable as standard | 810098 | 1 |
| 12 | 133 | 17640 | 13550 | | 810028 | 1 |
| 15 | 168 | 22050 | 16938 | | 810058 | 1 |
| 18 | 199 | 26460 | 20325 | Emergency* | 810088 | 1 |
| 9 | 99 | 13230 | 10163 | | 810198 | 1 |
| 12 | 133 | 17640 | 13550 | | 810128 | 1 |
| 15 | 168 | 22050 | 16938 | | 810158 | 1 |
| 18 | 199 | 26460 | 20325 | 810188 | 1 | |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector. (2 connectors for the versions in emergency).

Features: typical installation height between 5 and 9 m.

*The emergency version is to be completed with the kit on page 28.

Notes: the stated values may be subject to a +/- 7% tolerance.

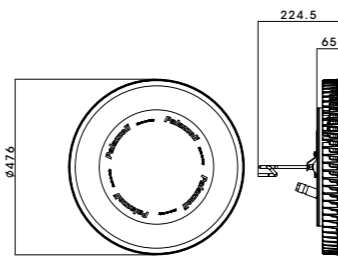
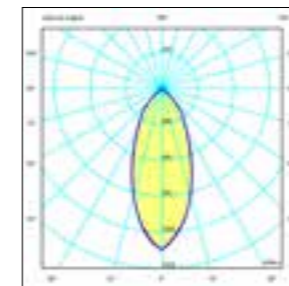
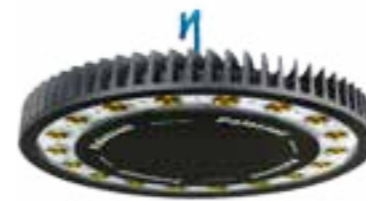
Other wireless control systems are available on request.



1-10V DIMMABLE



110000h | UGR<22



Pendant LED light fixtures
HACCP-compliant
for food industry
polycarbonate diffuser
rotosymmetrical 41°
narrow beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-----------------------------|----------------|----------|
| 9 | 99 | 13230 | 10572 | 1-10 V dimmable as standard | 810094 | 1 |
| 12 | 133 | 17640 | 14096 | | 810024 | 1 |
| 15 | 168 | 22050 | 17620 | | 810054 | 1 |
| 18 | 199 | 26460 | 21144 | Emergency* | 810084 | 1 |
| 9 | 99 | 13230 | 10572 | | 810194 | 1 |
| 12 | 133 | 17640 | 14096 | | 810124 | 1 |
| 15 | 168 | 22050 | 17620 | | 810154 | 1 |
| 18 | 199 | 26460 | 21144 | 810184 | 1 | |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector. (2 connectors for the emergency versions)

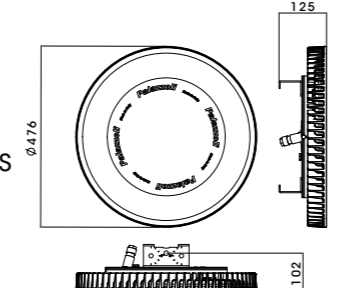
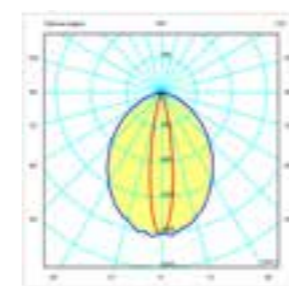
Features: typical installation height over 9 m.

*The emergency version is to be completed with the kit on page 28.

Notes: the stated values may be subject to a +/- 7% tolerance.

Other wireless control systems are available on request.

110000h | UGR<22



Pendant LED light fixtures
HACCP-compliant
for food industry
polycarbonate diffuser
92°x20° elliptical beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-----------------------------|----------------|----------|
| 9 | 99 | 13230 | 9965 | 1-10 V dimmable as standard | 810095 | 1 |
| 12 | 133 | 17640 | 13287 | | 810025 | 1 |
| 15 | 168 | 22050 | 16609 | | 810055 | 1 |
| 18 | 199 | 26460 | 19931 | Emergency* | 810085 | 1 |
| 9 | 99 | 13230 | 9965 | | 810195 | 1 |
| 12 | 133 | 17640 | 13287 | | 810125 | 1 |
| 15 | 168 | 22050 | 16609 | | 810155 | 1 |
| 18 | 199 | 26460 | 19931 | 810185 | 1 | |

Equipment included: connection with double chain bracket. Power supply with 5P quick connector. (2 connectors for the versions in emergency)

Features: suitable for installation between the aisles of food warehouses.

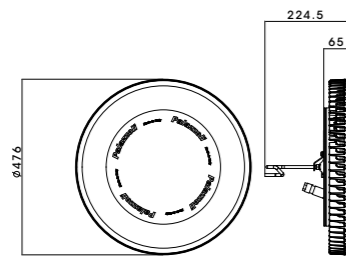
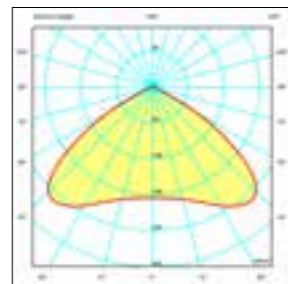
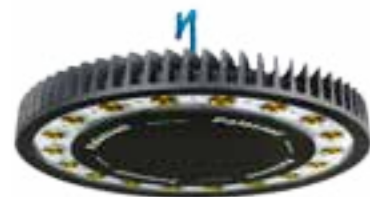
*The emergency version is to be completed with the kit on page 28.

Notes: the stated values may be subject to a +/- 7% tolerance.

Other wireless control systems are available on request.



110000h



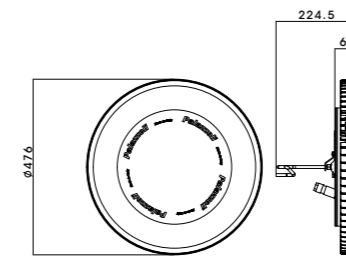
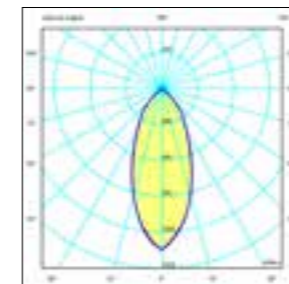
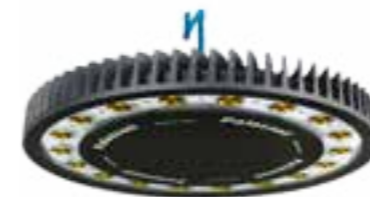
DALI pendant LED
light fixtures **glass** diffuser
symmetrical 110°
extra wide beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-------------------|-----------------|----------|
| 9 | 99 | 13230 | 10830 | dimmmable DALI | 810090DA | 1 |
| 12 | 133 | 17640 | 14439 | | 810020DA | 1 |
| 15 | 168 | 22050 | 18049 | | 810050DA | 1 |
| 18 | 199 | 26460 | 21659 | | 810080DA | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height between 5 and 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other wireless control systems are available on request.



110000h | UGR≤22

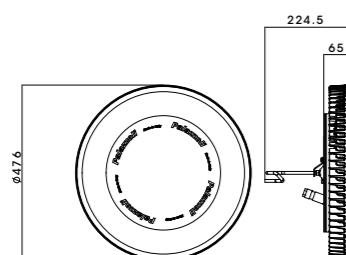
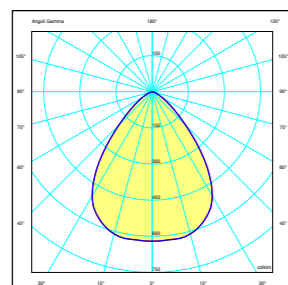
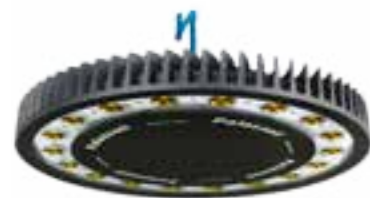


DALI pendant LED
light fixtures **glass** diffuser
symmetrical 41°
narrow beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-------------------|-----------------|----------|
| 9 | 99 | 13230 | 10572 | dimmmable DALI | 810091DA | 1 |
| 12 | 133 | 17640 | 14096 | | 810021DA | 1 |
| 15 | 168 | 22050 | 17620 | | 810051DA | 1 |
| 18 | 199 | 26460 | 21144 | | 810081DA | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height over 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other wireless control systems are available on request.

110000h | UGR≤22

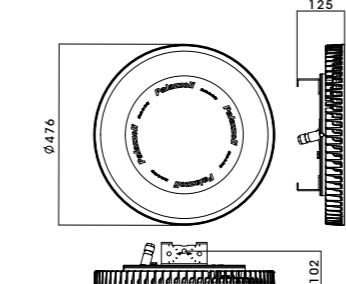
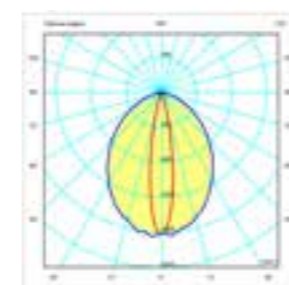


DALI pendant LED
light fixtures **glass** diffuser
rotosymmetrical 80°
extra wide beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-------------------|-----------------|----------|
| 9 | 99 | 13230 | 10163 | dimmmable DALI | 810097DA | 1 |
| 12 | 133 | 17640 | 13550 | | 810027DA | 1 |
| 15 | 168 | 22050 | 16938 | | 810057DA | 1 |
| 18 | 199 | 26460 | 20325 | | 810087DA | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height between 5 and 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other wireless control systems are available on request.

110000h | UGR≤22

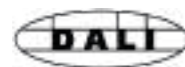


DALI pendant LED
light fixtures
glass diffuser **92°x20°**
elliptical beam optics
IP66/IP67

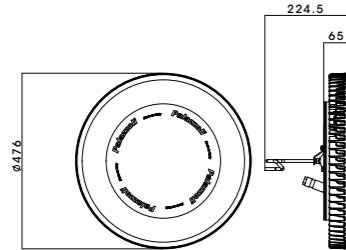
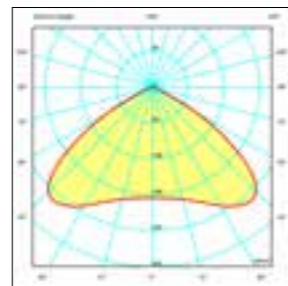
| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|-------------------|-----------------|----------|
| 9 | 99 | 13230 | 9965 | dimmmable DALI | 810092DA | 1 |
| 12 | 133 | 17640 | 13287 | | 810022DA | 1 |
| 15 | 168 | 22050 | 16609 | | 810052DA | 1 |
| 18 | 199 | 26460 | 19931 | | 810082DA | 1 |

Equipment included: connection with double chain bracket. Power supply with 5P quick connector.
Features: suitable for installation between the aisles of industrial warehouses.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other wireless control systems are available on request.

DALI food industry



110000h

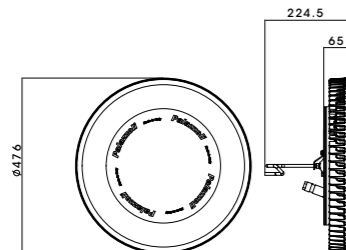
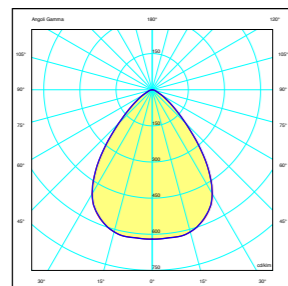
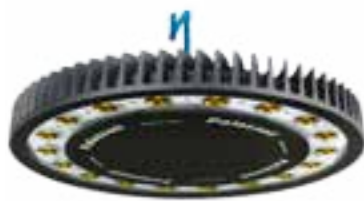


DALI pendant LED light fixtures
HACCP-compliant
polycarbonate diffuser
rotosymmetrical 110°
extra wide beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-------------------|-----------------|----------|
| 9 | 99 | 13230 | 10830 | dimmmable DALI | 810093DA | 1 |
| 12 | 133 | 17640 | 14439 | | 810023DA | 1 |
| 15 | 168 | 22050 | 18049 | | 810053DA | 1 |
| 18 | 199 | 26460 | 21659 | | 810083DA | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height between 5 and 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other wireless control systems are available on request.

110000h | UGR≤22



DALI pendant LED light fixtures
HACCP-compliant
polycarbonate diffuser
rotosymmetrical comfort 80°
extra wide beam optics
IP66/IP67

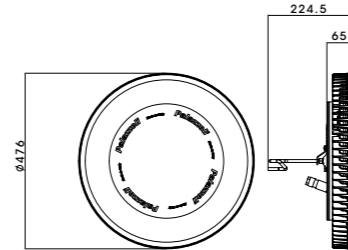
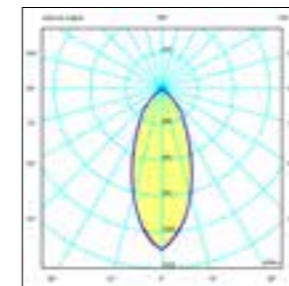
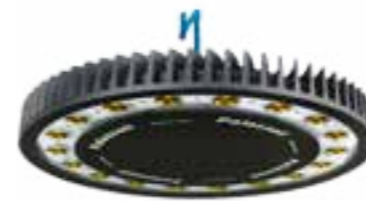
| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-------------------|-----------------|----------|
| 9 | 99 | 13230 | 10163 | dimmmable DALI | 810098DA | 1 |
| 12 | 133 | 17640 | 13550 | | 810028DA | 1 |
| 15 | 168 | 22050 | 16938 | | 810058DA | 1 |
| 18 | 199 | 26460 | 20325 | | 810088DA | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height between 5 and 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other wireless control systems are available on request.

DALI food industry



110000h | UGR≤22

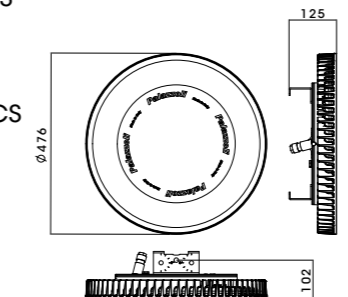
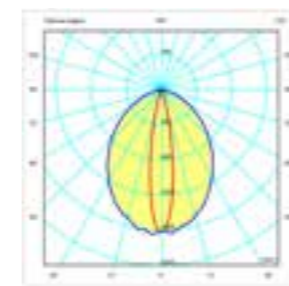


DALI pendant LED light fixtures
HACCP-compliant
polycarbonate diffuser
rotosymmetrical 41° narrow
beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-------------------|-----------------|----------|
| 9 | 99 | 13230 | 10572 | dimmmable DALI | 810094DA | 1 |
| 12 | 133 | 17640 | 14096 | | 810024DA | 1 |
| 15 | 168 | 22050 | 17620 | | 810054DA | 1 |
| 18 | 199 | 26460 | 21144 | | 810084DA | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height over 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other wireless control systems are available on request.

110000h | UGR≤22



DALI pendant LED light fixtures
HACCP-compliant
polycarbonate diffuser
92°x20° elliptical beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-------------------|-----------------|----------|
| 9 | 99 | 13230 | 9965 | dimmmable DALI | 810095DA | 1 |
| 12 | 133 | 17640 | 13287 | | 810025DA | 1 |
| 15 | 168 | 22050 | 16609 | | 810055DA | 1 |
| 18 | 199 | 26460 | 19931 | | 810085DA | 1 |

Equipment included: connection with double chain bracket. Power supply with 5P quick connector.
Features: suitable for installation between the aisles of food warehouses.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other wireless control systems are available on request.

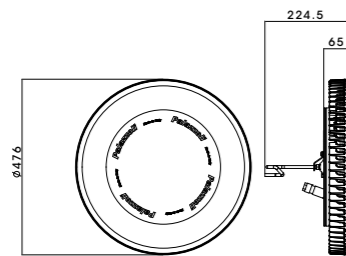
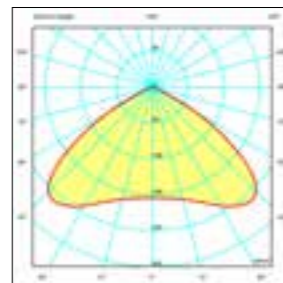
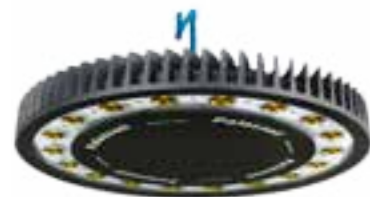
HT +55 °C industrial



1-10V
DIMMABLE



110000h



Pendant LED light fixtures
HT +55°C with **glass** diffuser
rotosymmetrical 110°
extra wide beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-----------------------------|-----------------|----------|
| 9 | 76 | 10187 | 8339 | 1-10 V dimmable as standard | 810090HT | 1 |
| 12 | 102 | 13583 | 11118 | | 810020HT | 1 |
| 15 | 129 | 16979 | 13898 | | 810050HT | 1 |
| 18 | 153 | 20374 | 16677 | | 810080HT | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height between 5 and 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other DALI or wireless control systems are available on request.

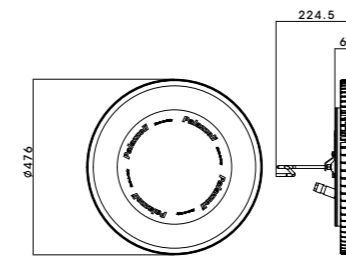
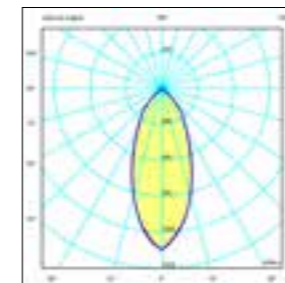
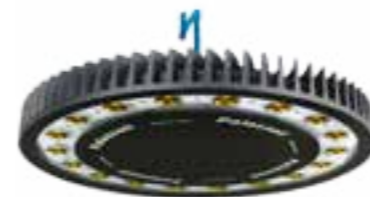
HT +55 °C industrial



1-10V
DIMMABLE



110000h | UGR≤22

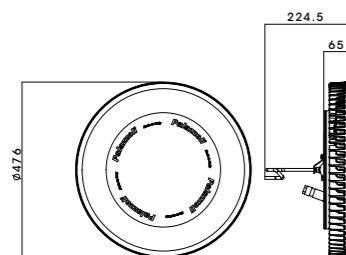
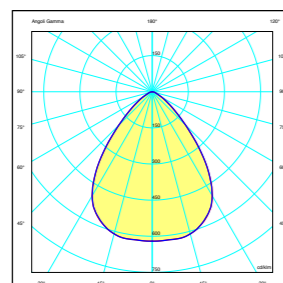
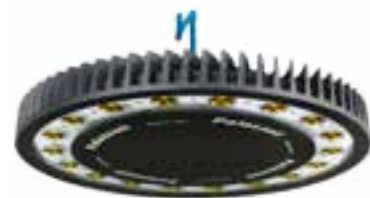


Pendant LED light fixtures
HT +55°C with **glass** diffuser
rotosymmetrical 41°
narrow beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-----------------------------|-----------------|----------|
| 9 | 76 | 10187 | 8140 | 1-10 V dimmable as standard | 810091HT | 1 |
| 12 | 102 | 13583 | 10854 | | 810021HT | 1 |
| 15 | 129 | 16979 | 13567 | | 810051HT | 1 |
| 18 | 153 | 20374 | 16281 | | 810081HT | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height over 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other DALI or wireless control systems are available on request.

110000h | UGR≤22

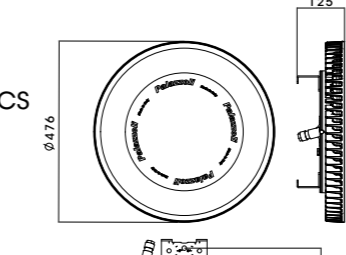
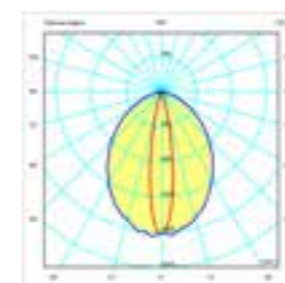


Pendant LED light fixtures
HT +55°C with **glass** diffuser
rotosymmetrical comfort 80°
extra wide beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-----------------------------|-----------------|----------|
| 9 | 76 | 10187 | 7826 | 1-10 V dimmable as standard | 810097HT | 1 |
| 12 | 102 | 13583 | 10434 | | 810027HT | 1 |
| 15 | 129 | 16979 | 13042 | | 810057HT | 1 |
| 18 | 153 | 20374 | 15650 | | 810087HT | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height between 5 and 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other DALI or wireless control systems are available on request.

110000h | UGR≤22



Pendant LED light fixtures
HT +55°C with **glass** diffuser
92°x20° elliptical beam optics
IP66/IP67

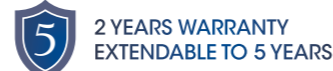
| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-----------------------------|-----------------|----------|
| 9 | 76 | 10187 | 7673 | 1-10 V dimmable as standard | 810092HT | 1 |
| 12 | 102 | 13583 | 10231 | | 810022HT | 1 |
| 15 | 129 | 16979 | 12789 | | 810052HT | 1 |
| 18 | 153 | 20374 | 15347 | | 810082HT | 1 |

Equipment included: connection with double chain bracket. Power supply with 5P quick connector.
Features: suitable for installation between the aisles of industrial warehouses.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other DALI or wireless control systems are available on request.

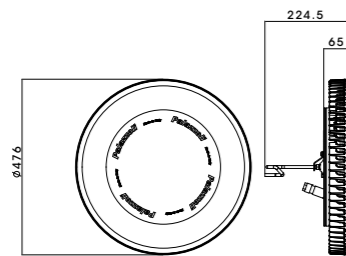
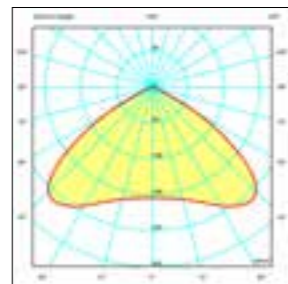
HT +55 °C food industry



1-10V
DIMMABLE



110000h



Pendant LED light fixtures
HT +55°C HACCP-compliant
for food industry
polycarbonate diffuser
rotosymmetrical 110°
extra wide beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-----------------------------|-----------------|----------|
| 9 | 76 | 10187 | 8339 | 1-10 V dimmable as standard | 810093HT | 1 |
| 12 | 102 | 13583 | 11118 | | 810023HT | 1 |
| 15 | 129 | 16979 | 13898 | | 810053HT | 1 |
| 18 | 153 | 20374 | 16677 | | 810083HT | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height between 5 and 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other DALI or wireless control systems are available on request.

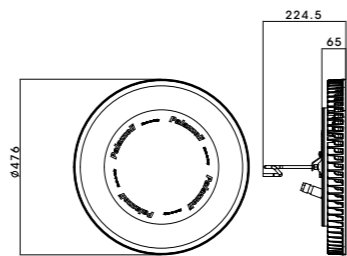
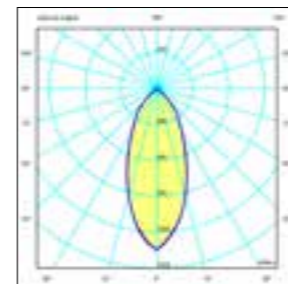
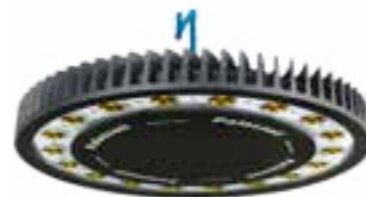
HT +55 °C food industry



1-10V
DIMMABLE



110000h | UGR≤22

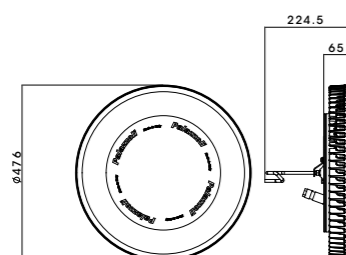
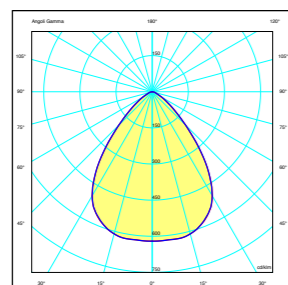


Pendant LED light fixtures
HT +55°C HACCP-compliant
for food industry
polycarbonate diffuser
rotosymmetrical 41°
narrow beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-----------------------------|-----------------|----------|
| 9 | 76 | 10187 | 8140 | 1-10 V dimmable as standard | 810094HT | 1 |
| 12 | 102 | 13583 | 10854 | | 810024HT | 1 |
| 15 | 129 | 16979 | 13567 | | 810054HT | 1 |
| 18 | 153 | 20374 | 16281 | | 810084HT | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height over 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other DALI or wireless control systems are available on request.

110000h | UGR≤22

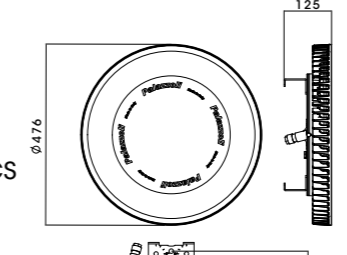
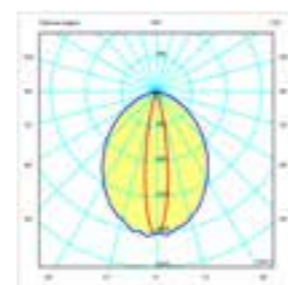


Pendant LED light fixtures
HT +55°C HACCP-compliant
for food industry
polycarbonate diffuser
rotosymmetrical comfort 80°
extra wide beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-----------------------------|-----------------|----------|
| 9 | 76 | 10187 | 7826 | 1-10 V dimmable as standard | 810098HT | 1 |
| 12 | 102 | 13583 | 10434 | | 810028HT | 1 |
| 15 | 129 | 16979 | 13042 | | 810058HT | 1 |
| 18 | 153 | 20374 | 15650 | | 810088HT | 1 |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.
Features: typical installation height between 5 and 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other DALI or wireless control systems are available on request.

110000h | UGR≤22



Pendant LED light fixtures
HT +55°C HACCP-compliant
for food industry
polycarbonate diffuser
92°x20° elliptical beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|--------------------------------|-------------------------------|-----------------------------|-----------------|----------|
| 9 | 76 | 10187 | 7673 | 1-10 V dimmable as standard | 810095HT | 1 |
| 12 | 102 | 13583 | 10231 | | 810025HT | 1 |
| 15 | 129 | 16979 | 12789 | | 810055HT | 1 |
| 18 | 153 | 20374 | 15347 | | 810085HT | 1 |

Equipment included: connection with double chain bracket. Power supply with 5P quick connector.
Features: suitable for installation between the aisles of food warehouses.
Notes: the stated values may be subject to a +/- 7% tolerance.
Other DALI or wireless control systems are available on request.

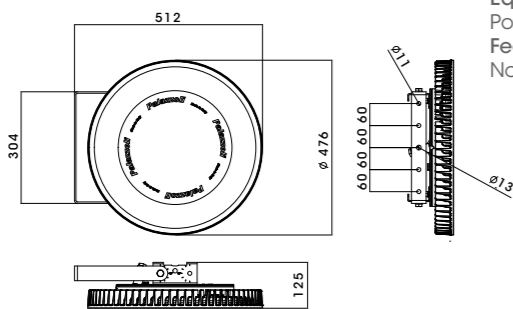
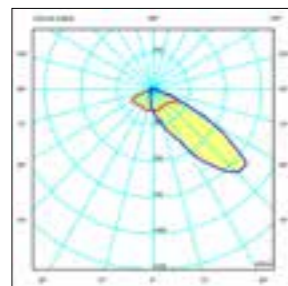
External use



1-10V DIMMABLE



110000h



LED floodlights
glass diffuser
asymmetrical 50°
narrow beam optics
IP66/IP67

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|--------------------------------|----------------|----------|
| 9 | 99 | 13230 | 9193 | dimmable as standard 1-10 V | 810296 | 1 |
| 12 | 133 | 17640 | 12258 | | 810226 | 1 |
| 15 | 168 | 22050 | 15322 | | 810256 | 1 |
| 18 | 199 | 26460 | 18387 | | 810286 | 1 |

Equipment included: adjustable bracket for wall mounting or mounting on load-bearing structures (poles, light towers).
Power supply with 5P quick connector.
Features: suitable for illuminating outdoor areas and sports facilities.
Notes: the stated values may be subject to a +/- 7% tolerance.

Accessories



Universal mount for pole-top and projecting bracket for Ø 60 mm and Ø 76 mm poles



Kit consisting of collar and plate for Ø 60 mm to Ø 80 mm pole mounting

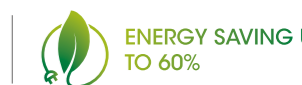
| Manufacturing material | Palazzoli code | Pack Qty |
|---------------------------|----------------|----------|
| painting galvanized steel | 811908 | 1 |

| Manufacturing material | Palazzoli code | Pack Qty |
|---------------------------|----------------|----------|
| painting galvanized steel | 811912 | 1 |

ATEX zone 22



1-10V DIMMABLE



110000h

UGR<22



| ZONE | GAS | | | DUST | | |
|---------------|-----|---|---|------|----|----|
| | 0 | 1 | 2 | 20 | 21 | 22 |
| USABLE | | | | | | X |

META EX is suitable for use in explosive hazardous areas according to ATEX directive 2014/34/EU.

META EX guarantees specific lighting and mechanical characteristics for installation in industrial environments, food industries and outdoor areas.

The body is made of die-cast aluminium with anti-corrosion treatment, finished with a scratch-resistant powder coating.

The diffuser, made of 4 mm extra-clear tempered glass, guarantees maximum resistance in harsh environments with chemical substances.

Thanks to the different optics available in the catalogue (extra wide beam, narrow beam, elliptical beam and asymmetrical beam), the working areas can be illuminated in the best possible way, guaranteeing visual comfort and the best lighting performance.

Conformity to ATEX standards
**Directive 2014/34/EU
EN 60079-0
EN 60079-31
Directive 2011/65/EU**

Atex execution
**Ex II 3D
Ex tc IIIC T100 °C Dc**

Protection rating (IP according to IEC EN 60529)
IP66/IP67

Colour
RAL 9005

Cable entry
ATEX cable gland M20

The other technical features are common to the standard product, see page 13.

110000h



Pendant LED light fixtures, **glass diffuser, rotosymmetrical 110° extra wide beam optics - IP66/IP67**

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|--------------------------------|-----------------|----------|
| 9 | 99 | 13230 | 10830 | 1-10 V dimmable as standard | 810090EX | 1 |
| 12 | 133 | 17640 | 14439 | | 810020EX | 1 |
| 15 | 168 | 22050 | 18049 | | 810050EX | 1 |
| 18 | 199 | 26460 | 21659 | | 810080EX | 1 |

Pendant LED light fixtures, **glass diffuser, rotosymmetrical 41° narrow beam optics - IP66/IP67**

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|--------------------------------|-----------------|----------|
| 9 | 99 | 13230 | 10572 | 1-10 V dimmable as standard | 810091EX | 1 |
| 12 | 133 | 17640 | 14096 | | 810021EX | 1 |
| 15 | 168 | 22050 | 17620 | | 810051EX | 1 |
| 18 | 199 | 26460 | 21144 | | 810081EX | 1 |

Pendant LED light fixtures, **glass diffuser, 92°x20° elliptical beam optics - IP66/IP67**

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|--------------------------------|-----------------|----------|
| 9 | 99 | 13230 | 9965 | 1-10 V dimmable as standard | 810092EX | 1 |
| 12 | 133 | 17640 | 13287 | | 810022EX | 1 |
| 15 | 168 | 22050 | 16609 | | 810052EX | 1 |
| 18 | 199 | 26460 | 19931 | | 810082EX | 1 |

LED floodlight, **glass diffuser, asymmetric 50° narrow beam optics - IP66/IP67**

| No. of LEDs | Device power (W) | Nominal flux (lm) Tj= 25 °C | Output flux (lm) Tq= 25 °C | Version | Palazzoli code | Pack Qty |
|-------------|------------------|-----------------------------|----------------------------|--------------------------------|-----------------|----------|
| 9 | 99 | 13230 | 9193 | 1-10 V dimmable as standard | 810296EX | 1 |
| 12 | 133 | 17640 | 12258 | | 810226EX | 1 |
| 15 | 168 | 22050 | 15322 | | 810256EX | 1 |
| 18 | 199 | 26460 | 18387 | | 810286EX | 1 |

Technical data sheets are available on www.palazzoli.com

Accessories



Bracket for mounting on double chain and busbar

| Manufacturing material | Palazzoli code | Pack Qty |
|------------------------|----------------|----------|
| galvanized steel | 810997 | 1 |



0 - 90° adjustable bracket for double chain mounting

| Manufacturing material | Palazzoli code | Pack Qty |
|------------------------|----------------|----------|
| galvanized steel | 810996 | 1 |



Kit with bracket for ceiling mounting

| Manufacturing material | Palazzoli code | Pack Qty |
|------------------------|----------------|----------|
| galvanized steel | 810998 | 1 |



Set of brackets for Ø 60mm horizontal pole mounting

| Manufacturing material | Palazzoli code | Pack Qty |
|------------------------|----------------|----------|
| galvanized steel | 810995 | 1 |



Adjustable bracket for wall mounting, pole mounting and light tower mounting

| Manufacturing material | Palazzoli code | Pack Qty |
|--------------------------|----------------|----------|
| painted galvanized steel | 810999 | 1 |



Bracket for catenary wire mounting, 0° - 90° adjustable

| Manufacturing material | Palazzoli code | Pack Qty |
|------------------------|----------------|----------|
| galvanized steel | 810994 | 1 |



Protection guard

| Manufacturing material | Palazzoli code | Pack Qty |
|------------------------|----------------|----------|
| galvanized steel | 810993 | 1 |



Emergency kit

| Manufacturing material | Duration emergency | Palazzoli code | Pack Qty |
|------------------------|--------------------|----------------|----------|
| aluminium alloy | 1h | 810992 | 1 |
| | 3h | 810991 | 1 |

Equipment included: the emergency kit comes complete with junction box, battery and inverter and interface bracket.
Features: 1 M20 entry and 1 exit with connector.
Notes: the interface bracket is suitable for a double fixed chain connection and for quick connection for pendant mounting.
 When performing the horizontal pole mounting, adjustable mounting, ceiling mounting and adjustable bracket mounting, the emergency kit must be mounted close to the unit (max. 1.5 m).

Solutions for every need

Pendant mounting



The fixing system allows for a quick installation of META without the need of tools and keeping the same light distribution (even for the emergency versions)

Double chain



For those installations where a double fixing is required, META has a double-chain system which can be used on busbar systems (even for the emergency versions).

Adjustable



The adjustable bracket of META optimizes the light distribution for all the sites to be illuminated, allowing for a 0° to 90° orientation.

Ceiling mounting



META can be directly mounted on the ceiling, thanks to a bracket with self-centring system.

Horizontal pole



META may be fixed directly on tubular trusses, using a specific connection with a diameter of 60 mm.

Adjustable



META is suitable for mounting on wall or on supporting structures (poles, light towers, etc.), thanks to an adjustable bracket accessory.

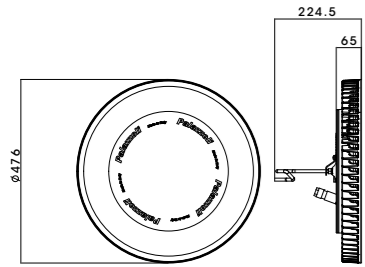
Catenary wire



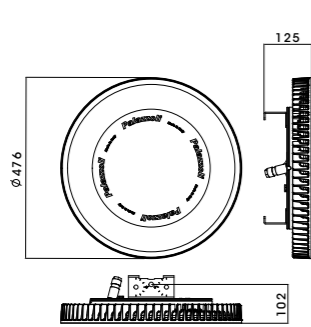
META can be mounted on catenary wire, thanks to a bracket system that allows for adjustment and compensation on the two axes.

Dimensions

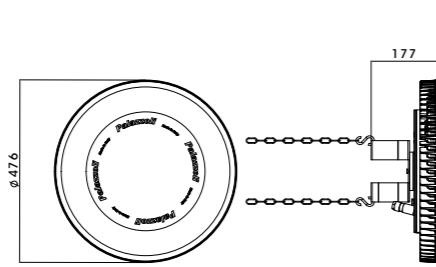
Pendant mounting



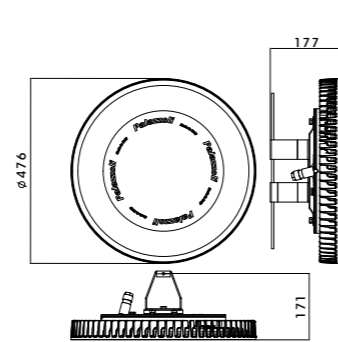
Double chain mounting



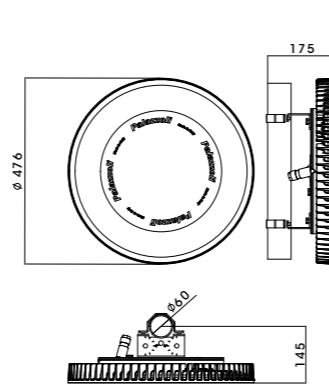
Adjustable double chain mounting



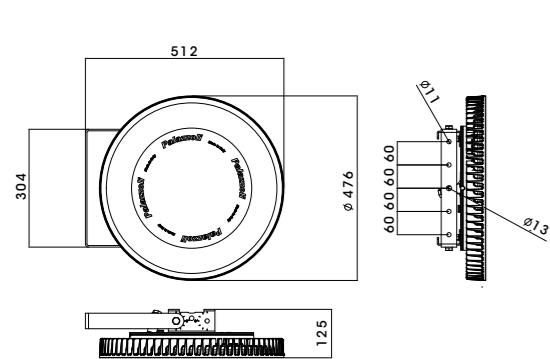
Catenary wire mounting



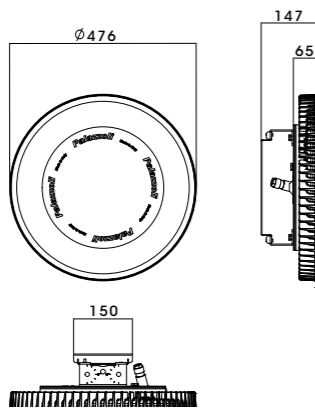
Horizontal pole mounting



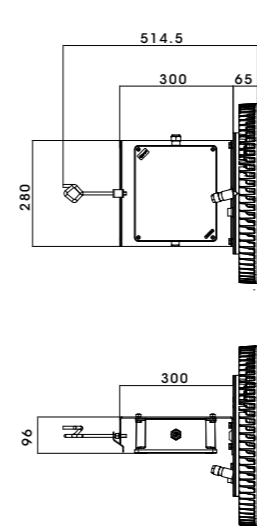
Wall mounting with bracket



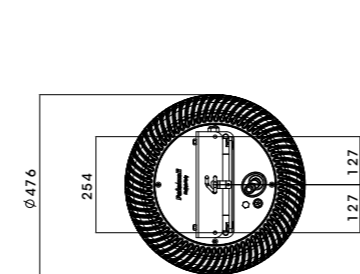
Ceiling mounting



Emergency



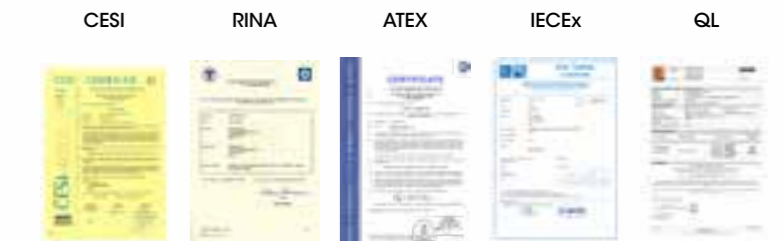
Emergency



Experience and reliability

Thanks to our team of lighting designers and our experience in providing lighting for the most critical environments, we collaborate with engineers, architects, public and private clients who are looking for excellence in the materials used, technological innovation and highly qualified pre- and post-sales services. Palazzoli is the most reliable partner in energy-saving LED lighting.

Certified quality
Palazzoli is certified to ISO 9001. All light fixtures are made in Italy and certified, depending on the application, by ENEC, CESI, RINA, ATEX, IECEx and QL (photobiological safety and flicker-free performance, impact resistance for sports facilities).



Industry



Atex



Tunnels



Marine





Lighting to save

palazzolilux.com / palazzoli.com

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Palazzoli