

# META<sub>150</sub>

Rotosymmetrical  
optics

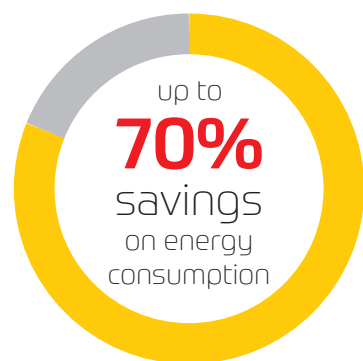


LIGHTING

***Palazzoli***



Light **quality** meets  
**maximum efficiency**



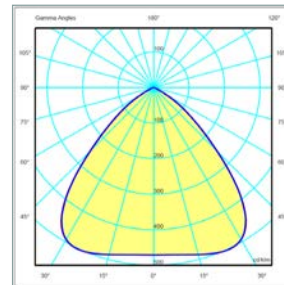
**150 lm/W** energy efficiency

META<sub>150</sub> allows you to save over 70% on energy consumption and, with a lifetime of 230.000 hours, reduces maintenance costs to a minimum. Choosing this light fixture is an investment that can be recouped in just 2 years.





# META<sub>150</sub>



## Symmetrical 90° comfort wide beam optics

Installation between  
5 and 8 metres

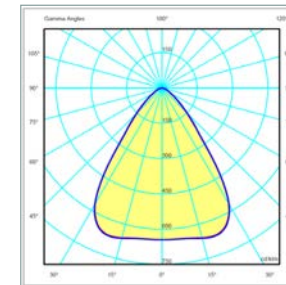
**PAGE 10** DALI glass diffuser

**PAGE 11** HE DALI glass diffuser

**PAGE 12** HT + 60°C DALI glass diffuser

**PAGE 13** DALI polycarbonate diffuser

**PAGE 15** ATEX glass diffuser



## Symmetrical 75° medium beam optics

Installation between  
6 and 9 metres

**PAGE 10** DALI glass diffuser

**PAGE 11** HE DALI glass diffuser

**PAGE 12** HT + 60°C DALI glass diffuser

**PAGE 13** DALI polycarbonate diffuser

**PAGE 15** ATEX glass diffuser



Industry



Gyms



Retail



Atex



**22-23** Accessories and dimensions



META<sub>150</sub> Palazzoli 3

# **META<sub>150</sub>**

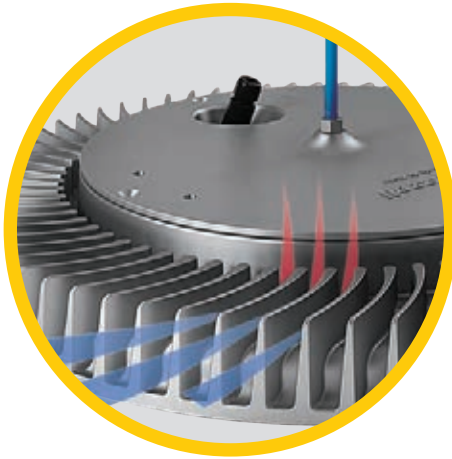
150 lm/W energy efficiency





# Protected light

Long life is guaranteed by:



## High dissipation thermal management system

that keeps semiconductors  
unaltered over time



## 100% testing

with 24h burn-in cycles



## Gore-tex® anti-condensation

breathing valve



## Anti-yellowing lenses

created by Palazzoli, in PMMA

- High-level electronic components with surge discharge protection up to 10 kV
- X-ray testing of LED weld joints
- Extra clear and resistant tempered glass diffuser



# META<sub>150</sub>



## Quick installation

Thanks to the innovative pendant mounting system, replacing inefficient light fixtures is a simple “take it out and put in” operation without any adaptation and adjustment. Each META<sub>150</sub> is equipped with the watertight connector for a quick plug and play connection.

## Various mounting options

META<sub>150</sub>'s technical accessory system is the most flexible available. The light fixture can be mounted in various ways: pendant, on busbar, ceiling, pole, wall, light tower and catenary wire.





## Italian Design

META<sub>150</sub> has received a special award in Germany: the Red Dot Design Award, the most important international design award that honours the exceptional quality of an Italian company.



## Well-distributed light

META<sub>150</sub> is designed for areas with different installation heights (from 5 m to 9 m). It produces a uniform and well-distributed light to enhance vertical surfaces, floors and work surfaces.



## Excellent service

Palazzoli offers the most suitable lighting solution for every type of need, with proposals specifically designed for all the different industrial applications.



Guaranteed and certified performance.

Photometric data compliance is guaranteed through certification by an independent body (DEKRA) with the affixing of the ENEC PLUS mark.

# **META<sub>150</sub>**

150 lm/W energy efficiency





# Datasheet



META<sub>150</sub> is the new addition to the META range of professional pendant light fixtures with an efficiency of up to 150 lm/W, with LEDs arranged in a circular crown that allow uniform lighting without the need for adjustments.

This efficacy allows you to save over 70% on energy consumption.

Savings are further improved by the lumen set from 12000 lm to 37000 lm which allows you to reduce the number of light fixtures installed.

The META<sub>150</sub> light is protected by a die-cast aluminium body with an anti-corrosion treatment and by a tempered glass or HACCP polycarbonate diffuser.

The quality of the light can be seen from the high visual comfort given by the PMMA lenses designed and built by Palazzoli. The lifetime over 230.000 hours and the Italian design make META<sub>150</sub> the best solution for industrial, retail and sports lighting.

The photometric curves (LDT file) are available on the website [www.palazzoli.com](http://www.palazzoli.com)

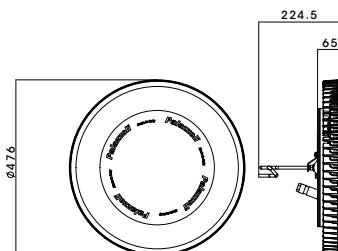
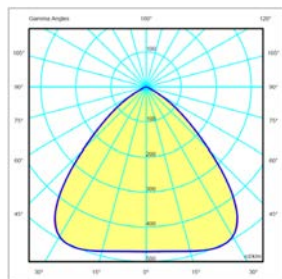
|                              |  |
|------------------------------|--|
| Body material                | EN 46100 aluminium alloy   |
| Surface treatment            | Fluorozirconate passivation  |
| Surface finish/colour        | Hot-polymerised non-toxic polyester RAL 7011   |
| Diffuser material            | Extra-clear tempered glass or polycarbonate  |
| Protection rating            | IP66/IP67 as per IEC/EN 60079-0 and 60598-1  |
| Impact resistance            | IK08 as per IEC/EN 62262   |
| Corrosion class              | C3 (ISO 9223)  |
| Fixing system                | Quick connection for pendant mounting  |
| Net weight                   | 9,5 kg max   |
| Optic specifications         | PMMA lenses resistant to ageing and UV rays with efficiency >90% and transparency >95%   |
| Fixture efficiency           | Up To 151 lm/W   |
| Colour temperature           | 4000K (other colour temperatures are available on request)   |
| Colour rendering index       | CRI ≥ 80 as per EN 62717   |
| Colour consistency           | 3 step of MacAdam  |
| Photobiological risk         | RG0 - Exempt Group (EN 62471)  |
| Glare index                  | UGR <22  |
| Residual flicker             | < 1%   |
| Lifetime                     | L90 B10 110.000h Tq= +40° C<br>L90 B10 230.000h Tq= +25° C   |
| Insulation class             | I (II on request)  |
| Power supply voltage         | 200-240 V 50-60 Hz   |
| Surge protections            | 10 kV common mode<br>6 kV differential mode (EN 61000-4-5)   |
| Power factor                 | ≥ 0,95   |
| Operating temperature        | -30 °C - +40 °C<br>-30 °C - +50 °C (HE version)<br>-30 °C - +60 °C (HT version)  |
| Power supply type            | Quick connector  |
| Max. conductor cross-section | 2,5 mm <sup>2</sup>  |
| Entry cable diameter         | 7÷13 mm  |
| Storage temperature          | -40 °C - +70 °C  |
| Warranty                     | 2 years extendable to 5 years  |
| Directives                   | 2014/35/UE; 2014/30/UE; 2011/65/UE   |
| Product standards            | EN 60598-1, EN 60598-2-1, EN60598-2-5, EN 62471, EN 60598-2-22, EN 60598-2-24, EN 62493, IEC/TR 62778, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3, EN 50581, DIN 18032-3, EN 13964 annex D |



230.000h | up to 144 lm/W | UGR<22



**Professional  
pendant LED light fixtures**  
glass diffuser  
rotosymmetrical 90°  
comfort wide beam optics  
IP66/IP67



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>Tj= 25 °C | Output flux (lm)<br>Tq= 25 °C | Version | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|--------------------------------|-------------------------------|---------|-----------------|-------------|-----------|
| 84          | 117               | 19600                          | 16349                         |         | <b>810630DA</b> | 8,59        | 1         |
| 112         | 156               | 26100                          | 21798                         |         | <b>810640DA</b> | 8,74        | 1         |
| 140         | 179               | 30800                          | 25712                         |         | <b>810650DA</b> | 8,94        | 1         |
| 168         | 215               | 37000                          | 30883                         |         | <b>810660DA</b> | 9,31        | 1         |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.

Features: typical installation height between 5 and 8 m.

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

Wireless control systems are available upon request.

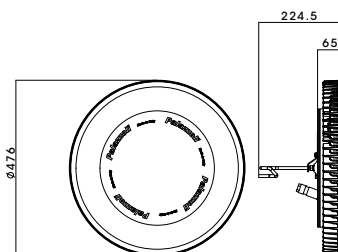
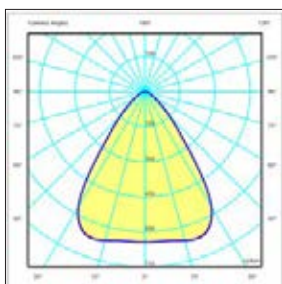
The fixture is designed for operation in central emergency lighting systems (Vac/Vdc).

It can be supplied with an autonomous emergency kit on request.

230.000h | up to 144 lm/W | UGR<22



**Professional  
pendant LED light fixtures**  
glass diffuser  
rotosymmetrical 75°  
medium beam optics  
IP66/IP67



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>Tj= 25 °C | Output flux (lm)<br>Tq= 25 °C | Version | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|--------------------------------|-------------------------------|---------|-----------------|-------------|-----------|
| 84          | 117               | 19600                          | 16022                         |         | <b>810631DA</b> | 8,59        | 1         |
| 112         | 156               | 26100                          | 21362                         |         | <b>810641DA</b> | 8,74        | 1         |
| 140         | 179               | 30800                          | 25193                         |         | <b>810651DA</b> | 8,94        | 1         |
| 168         | 215               | 37000                          | 30260                         |         | <b>810661DA</b> | 9,31        | 1         |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.

Features: typical installation height between 6 and 9 m.

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

Wireless control systems are available upon request.

The fixture is designed for operation in central emergency lighting systems (Vac/Vdc).

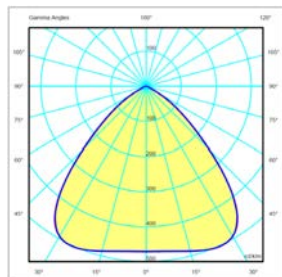
It can be supplied with an autonomous emergency kit on request.

# META<sub>150</sub>

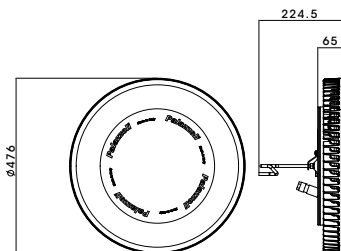
## HE high efficiency



230.000h | up to 147 lm/W | UGR<22



Professional high-efficiency  
pendant LED light fixtures  
glass diffuser  
rotosymmetrical 90°  
comfort wide beam optics  
IP66/IP67



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>T <sub>j</sub> = 25 °C | Output flux (lm)<br>T <sub>q</sub> = 25 °C | Version | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|---|--|---------|-----------------|-------------|-----------|
| 84          | 96                | 16300                                       | 13632                                      |         | <b>810430DA</b> | 8,59        | 1         |
| 112         | 129               | 21900                                       | 18318                                      |         | <b>810440DA</b> | 8,74        | 1         |
| 140         | 151               | 26600                                       | 22197                                      |         | <b>810450DA</b> | 8,94        | 1         |
| 168         | 181               | 31700                                       | 26426                                      |         | <b>810460DA</b> | 9,31        | 1         |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.

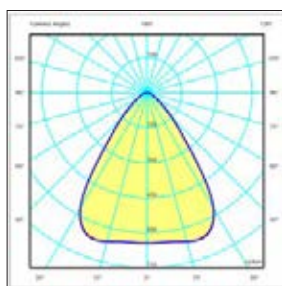
Features: typical installation height between 5 and 8 m.

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

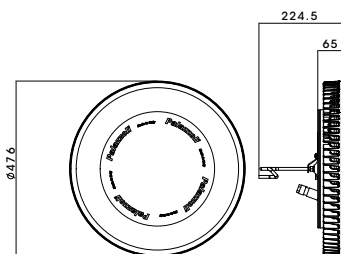
Wireless control systems are available upon request.

The fixture is designed for operation in central emergency lighting systems (Vac/Vdc).

230.000h | up to 147 lm/W | UGR<22



Professional high-efficiency  
pendant LED light fixtures  
glass diffuser  
rotosymmetrical 75°  
medium beam optics  
IP66/IP67



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>T <sub>j</sub> = 25 °C | Output flux (lm)<br>T <sub>q</sub> = 25 °C | Version | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|---|--|---------|-----------------|-------------|-----------|
| 84          | 96                | 16300                                       | 13440                                      |         | <b>810431DA</b> | 8,59        | 1         |
| 112         | 129               | 21900                                       | 18060                                      |         | <b>810441DA</b> | 8,74        | 1         |
| 140         | 151               | 26600                                       | 21895                                      |         | <b>810451DA</b> | 8,94        | 1         |
| 168         | 181               | 31700                                       | 26064                                      |         | <b>810461DA</b> | 9,31        | 1         |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.

Features: typical installation height between 5 and 8 m.

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

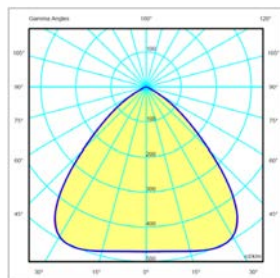
Wireless control systems are available upon request.

The fixture is designed for operation in central emergency lighting systems (Vac/Vdc).

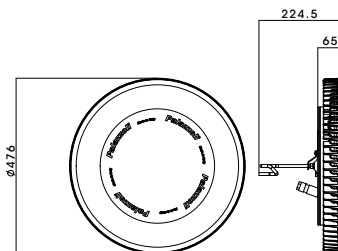
# META<sub>150</sub> HT +60°C



230.000h | up to 151 lm/W | UGR<22



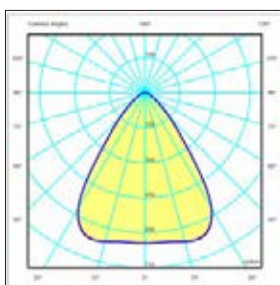
Professional **HT +60°C**  
pendant LED light fixtures  
glass diffuser  
rotosymmetrical 90°  
comfort wide beam optics  
IP66/IP67



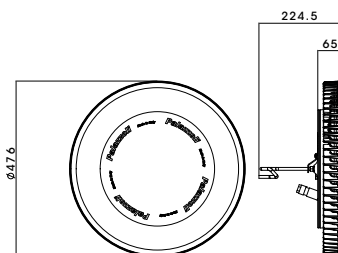
| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>Tj= 25 °C | Output flux (lm)<br>Tq= 25 °C | Version | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|--------------------------------|-------------------------------|---------|-----------------|-------------|-----------|
| 84          | 73                | 12700                          | 10775                         |         | <b>810430HT</b> | 8,59        | 1         |
| 112         | 97                | 16900                          | 14317                         |         | <b>810440HT</b> | 8,74        | 1         |
| 140         | 112               | 20300                          | 16912                         |         | <b>810450HT</b> | 8,94        | 1         |
| 168         | 134               | 24200                          | 20234                         |         | <b>810460HT</b> | 9,31        | 1         |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.  
Features: typical installation height between 5 and 8 m.  
Notes: the stated flux and power values may be subject to a + /-7% tolerance.  
Wireless control systems are available upon request.  
The fixture is designed for operation in central emergency lighting systems (Vac/Vdc).  
Pendant with polycarbonate diffuser on request.

230.000h | up to 151 lm/W | UGR<22



Professional **HT +60°C**  
pendant LED light fixtures  
glass diffuser  
rotosymmetrical 75°  
medium beam optics  
IP66/IP67



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>Tj= 25 °C | Output flux (lm)<br>Tq= 25 °C | Version | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|--------------------------------|-------------------------------|---------|-----------------|-------------|-----------|
| 84          | 73                | 12700                          | 10600                         |         | <b>810431HT</b> | 8,59        | 1         |
| 112         | 97                | 16900                          | 14085                         |         | <b>810441HT</b> | 8,74        | 1         |
| 140         | 112               | 20300                          | 16576                         |         | <b>810451HT</b> | 8,94        | 1         |
| 168         | 134               | 24200                          | 19832                         |         | <b>810461HT</b> | 9,31        | 1         |

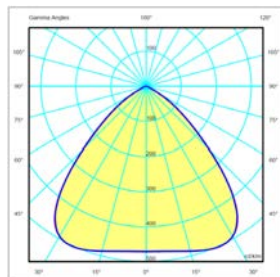
Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.  
Features: typical installation height between 6 and 9 m.  
Notes: the stated flux and power values may be subject to a + /-7% tolerance.  
Wireless control systems are available upon request.  
The fixture is designed for operation in central emergency lighting systems (Vac/Vdc).  
Pendant with polycarbonate diffuser on request.



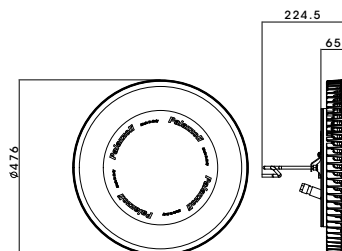
# META<sub>150</sub> HACCP



230.000h | up to 144 lm/W | UGR<22



**Professional  
pendant LED light fixtures  
HACCP-compliant for food industry  
polycarbonate diffuser  
rotosymmetrical 90°  
comfort wide beam optics  
IP66/IP67**



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>T <sub>j</sub> = 25 °C | Output flux (lm)<br>T <sub>q</sub> = 25 °C | Version | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|---|--|---------|-----------------|-------------|-----------|
| 84          | 117               | 19600                                       | 16349                                      |         | <b>810432DA</b> | 8,59        | 1         |
| 112         | 156               | 26100                                       | 21798                                      |         | <b>810442DA</b> | 8,74        | 1         |
| 140         | 179               | 30800                                       | 25712                                      |         | <b>810452DA</b> | 8,94        | 1         |
| 168         | 215               | 37000                                       | 30883                                      |         | <b>810462DA</b> | 9,31        | 1         |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.

Features: typical installation height between 5 and 8 m.

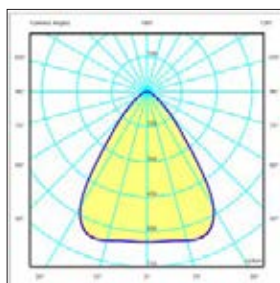
Notes: the stated flux and power values may be subject to a + /-7% tolerance.

Wireless control systems are available upon request.

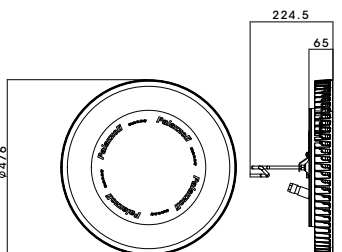
The fixture is designed for operation in central emergency lighting systems (Vac/Vdc).

It can be supplied with an autonomous emergency kit on request.

230.000h | up to 144 lm/W | UGR<22



**Professional  
pendant LED light fixtures  
HACCP-compliant for food industry  
polycarbonate diffuser  
rotosymmetrical 75°  
medium beam optics  
IP66/IP67**



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>T <sub>j</sub> = 25 °C | Output flux (lm)<br>T <sub>q</sub> = 25 °C | Version | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|---|--|---------|-----------------|-------------|-----------|
| 84          | 117               | 19600                                       | 16022                                      |         | <b>810433DA</b> | 8,59        | 1         |
| 112         | 156               | 26100                                       | 21362                                      |         | <b>810443DA</b> | 8,74        | 1         |
| 140         | 179               | 30800                                       | 25193                                      |         | <b>810453DA</b> | 8,94        | 1         |
| 168         | 215               | 37000                                       | 30260                                      |         | <b>810463DA</b> | 9,31        | 1         |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.

Features: typical installation height between 6 and 9 m.

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

Wireless control systems are available upon request.

The fixture is designed for operation in central emergency lighting systems (Vac/Vdc).

It can be supplied with an autonomous emergency kit on request.

# META<sub>150</sub>-EX

150 lm/W energy efficiency



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



The META<sub>150</sub>-EX series is the new line of ATEX pendant light fixtures for zones 2, 21 and 22 with an efficiency up to 150 lm/W. This efficacy allows you to save over 70% on energy consumption. META<sub>150</sub>-EX is equipped with a high dissipation thermal management system that keeps the semiconductors unaltered over time. The input and connection to the terminal board is via 'Ex e' cable gland without having to make any insulation. The power supply electronics have been made in compliance with the EN 60079-18 Standard with 'Ex mb' protection mode (encapsulation). Thanks to the comfort beam optics available in the catalogue, areas with combustible dusts and flammable gases can be illuminated in the best possible way.

The photometric curves (LDT file) are available on the website [www.palazzoli.com](http://www.palazzoli.com)

## Datasheet

|                              |  |
|------------------------------|--|
| Atex installation            | <b>Ex II 3G 2D</b><br><b>Ex ec mc IIC T4 Gc</b><br><b>Ex tb IIIC T100°C Db</b>   |
| Body material                | <b>EN 46100 aluminium alloy</b>  |
| Surface treatment            | <b>Fluorozirconate passivation</b>   |
| Surface finish/colour        | <b>RAL 9005</b>  |
| Diffuser material            | <b>Extra-clear tempered glass</b>  |
| Protection rating            | <b>IP66IP66 as per IEC/EN 60079-0 and 60598-1</b>  |
| Impact resistance            | <b>IK08 as per IEC/EN 62262</b>  |
| Corrosion class              | <b>C3 (ISO 9223)</b>   |
| Fixing system                | <b>Quick connection for pendant mounting</b>   |
| Net weight                   | <b>9,5 kg max</b>  |
| Optic specifications         | <b>PMMA lenses resistant to ageing and UV rays with efficiency &gt;90% and transparency &gt;95%</b>  |
| Fixture efficiency           | <b>Up To 148 lm/W</b>  |
| Colour temperature           | <b>4.000 K</b>   |
| Colour rendering index       | <b>CRI ≥ 80 as per EN 62717</b>  |
| Colour consistency           | <b>3 step of MacAdam</b>   |
| Photobiological risk         | <b>RG0 - Exempt Group (EN 62471)</b>   |
| Glare index                  | <b>UGR &lt;22</b>  |
| Residual flicker             | <b>&lt; 1%</b>   |
| Lifetime                     | <b>L90 B10 110.000h Tq= +40° C</b><br><b>L90 B10 230.000h Tq= +25° C</b>   |
| Insulation class             | <b>I</b>   |
| Power supply voltage         | <b>200-240 V 50-60 Hz</b>  |
| Surge protections            | <b>10 kV common mode</b><br><b>6 kV differential mode (EN 61000-4-5)</b>   |
| Power factor                 | <b>≥ 0,95</b>  |
| Operating temperature        | <b>-30 °C - +40 °C</b>   |
| Power supply type            | <b>Spring terminals and M20 cable gland</b>  |
| Max. conductor cross-section | <b>2,5 mm²</b>   |
| Entry cable diameter         | <b>7÷13 mm</b>   |
| Storage temperature          | <b>-40 °C - +70 °C</b>   |
| Warranty                     | <b>2 years extendable to 5 years</b>   |
| Approval and marks           | <b>EX, IECEx</b>   |
| Directives                   | <b>2014/34/UE; 2014/35/UE; 2014/30/UE; 2011/65/UE</b>  |
| Product standards            | <b>EN 60079-0, EN 60079-7, EN 60079-18, EN 60079-31, EN 60598-1,</b><br><b>EN 60598-2-1, EN 62471, EN 60598-2-22, EN 60598-2-24,</b><br><b>EN 62493, IEC/TR 62778, EN 55015, EN 61547, EN 61000-3-2</b><br><b>EN 61000-3-3, EN 50581</b> |

# META<sub>150</sub>-EX

## ATEX zones 2 - 21,22



STANDARD  
ON-OFF



2-YEAR WARRANTY  
EXTENDABLE TO 5 YEARS

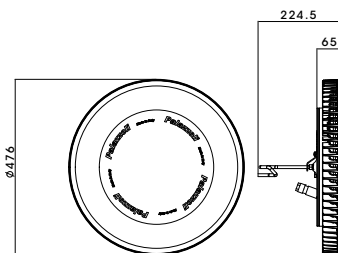
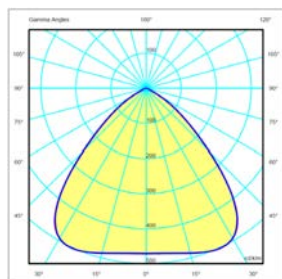


70% ENERGY  
SAVINGS

230.000h | up to 148 lm/W | UGR<22



Professional  
pendant LED light fixtures  
glass diffuser  
rotosymmetrical 90°  
comfort wide beam optics  
IP66



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>T <sub>j</sub> = 25 °C | Output flux (lm)<br>T <sub>q</sub> = 25 °C | Version         | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|---|--|-----------------|-----------------|-------------|-----------|
| 84          | 60                | 10296                                       | 8748                                       | standard on-off | <b>810430EX</b> | 8,59        | 1         |
| 112         | 81                | 14094                                       | 11907                                      |                 | <b>810440EX</b> | 8,74        | 1         |
| 140         | 112               | 20300                                       | 16576                                      |                 | <b>810450EX</b> | 8,94        | 1         |
| 168         | 134               | 24200                                       | 19832                                      |                 | <b>810460EX</b> | 9,31        | 1         |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.

Features: typical installation height between 5 and 8 m.

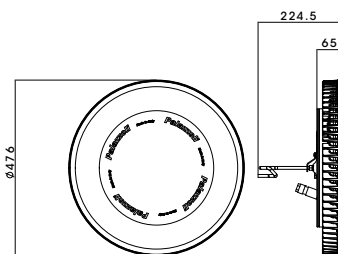
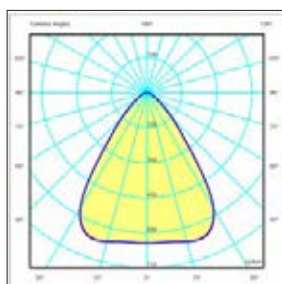
Notes: the stated flux and power values may be subject to a +/- 7% tolerance.

Wireless control systems are available upon request.

230.000h | up to 148 lm/W | UGR<22



Professional  
pendant LED light fixtures  
glass diffuser  
rotosymmetrical 75°  
medium beam optics  
IP66



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>T <sub>j</sub> = 25 °C | Output flux (lm)<br>T <sub>q</sub> = 25 °C | Version         | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|---|--|-----------------|-----------------|-------------|-----------|
| 84          | 60                | 10296                                       | 8580                                       | standard on-off | <b>810431EX</b> | 8,59        | 1         |
| 112         | 81                | 14094                                       | 11745                                      |                 | <b>810441EX</b> | 8,74        | 1         |
| 140         | 112               | 20300                                       | 16352                                      |                 | <b>810451EX</b> | 8,94        | 1         |
| 168         | 134               | 24200                                       | 19564                                      |                 | <b>810461EX</b> | 9,31        | 1         |

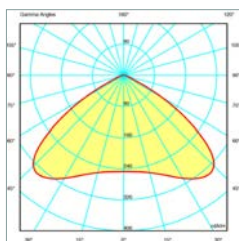
Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.

Features: typical installation height between 6 and 9 m.

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

Wireless control systems are available upon request.

The high-performance META high-bay range, specially designed to guarantee several photometric solutions, is completing the system. Its different beam optics illuminate work areas in the best possible way, guaranteeing visual comfort and lighting performance.



## Symmetrical 110° extra wide beam optics

Installation  
between 4 and 8 m

**PAGE 18** glass diffuser

**PAGE 20** HT + 55°C  
glass diffuser



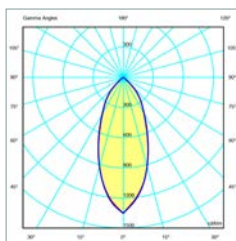
Industry



Gyms



Retail



## Symmetrical 41° narrow beam optics

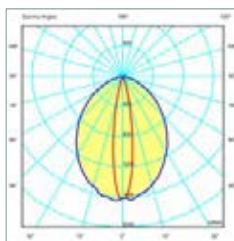
Installation  
between 8 and 12 m

**PAGE 18** glass diffuser

**PAGE 20** HT + 55°C  
glass diffuser



Industry



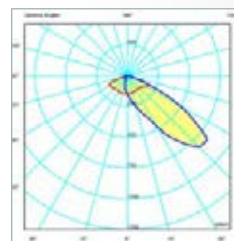
## Symmetrical 92°x20° elliptical beam optics

Installation for aisles,  
shelving between 6 and 9 m

**PAGE 19** glass diffuser



Industry



## Asymmetrical 50° narrow beam optics

Wall installation  
between 4 and 9 m

**PAGE 21** glass diffuser



Industry



Gyms





# Datasheet



META is the first industrial luminaire with LEDs arranged in a circular crown that allow uniform lighting without the need for adjustments.

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

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

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

The photometric curves (LDT file) are available on the website [www.palazzoli.com](http://www.palazzoli.com)

|                              |   |
|------------------------------|---|
| Body material                | EN 46100 aluminium alloy  |
| Surface treatment            | Fluorozirconate passivation   |
| Surface finish/colour        | Hot-polymerised non-toxic polyester<br>RAL 7011   |
| Diffuser material            | Extra-clear tempered glass<br>or polycarbonate  |
| Protection rating            | IP66/IP67 as per IEC/EN 60079-0 and 60598-1   |
| Impact resistance            | IK08 as per IEC/EN 62262  |
| Corrosion class              | C3 (ISO 9223)   |
| Fixing system                | Quick connection for pendant mounting   |
| Net weight                   | 9,5 kg max  |
| Optic specifications         | PMMA lenses resistant to ageing and UV rays with efficiency >90%<br>and transparency >95%   |
| Fixture efficiency           | Up To 110 lm/W  |
| Colour temperature           | 4.000 K   |
| Colour rendering index       | CRI ≥ 80 as per EN 62717  |
| Colour consistency           | 4 step of MacAdam   |
| Photobiological risk         | RG0 - Exempt Group (EN 62471)   |
| Residual flicker             | < 1%  |
| Lifetime                     | L80 B20 @ 110.000h Tq=-30 °C - +40 °C<br>Tq=-30 °C - +55 °C (HT version)  |
| Insulation class             | I (II on request)   |
| Power supply voltage         | 200-240 V 50-60 Hz  |
| Surge protections            | 10 kV common mode<br>6 kV differential mode (EN 61000-4-5)  |
| Power factor                 | ≥ 0,95  |
| Operating temperature        | -30 °C - +40 °C<br>-30 °C - +55 °C (HT version)   |
| Power supply type            | Quick connector   |
| Max. conductor cross-section | 2,5 mm²   |
| Entry cable diameter         | 7÷13 mm   |
| Storage temperature          | -40 °C - +70 °C   |
| Emergency battery            | 1h-3h   |
| Storage temperature          | 24h   |
| Warranty                     | 2 years extendable to 5 years   |
| Directives                   | 2014/35/UE; 2014/30/UE; 2011/65/UE  |
| Product standards            | EN 60598-1, EN 60598-2-1, EN60598-2-5, EN 62471, EN 60598-2-22,<br>EN 60598-2-24, EN 62493, IEC/TR 62778, EN 55015, EN 61547,<br>EN 61000-3-2, EN 61000-3-3, EN 50581, DIN 18032-3, EN 13964<br>annex D |



DIMMABLE  
1-10V



CORROSION  
RESISTANT



FLICKER  
FREE



2-YEAR WARRANTY  
EXTENDABLE TO 5 YEARS

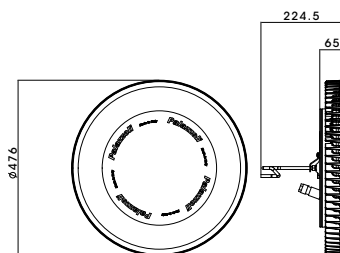
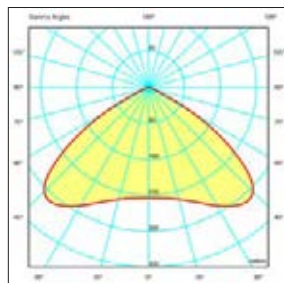


50% ENERGY  
SAVINGS

110.000h | up to  
110 lm/W



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



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>Tj= 25 °C | Output flux (lm)<br>Tq= 25 °C | Version                           | Palazzoli Code | Weight (kg) | Pack Qty. |
|-------------|-------------------|--------------------------------|-------------------------------|-----------------------------------|----------------|-------------|-----------|
| 9           | 99                | 13230                          | 10830                         | 1-10 V<br>dimmable as<br>standard | <b>810090</b>  | 8,59        | 1         |
| 12          | 133               | 17640                          | 14439                         |                                   | <b>810020</b>  | 8,74        | 1         |
| 15          | 168               | 22050                          | 18049                         |                                   | <b>810050</b>  | 8,94        | 1         |
| 18          | 199               | 26460                          | 21659                         |                                   | <b>810080</b>  | 9,31        | 1         |
| 9           | 99                | 13230                          | 10830                         | emergency*                        | <b>810190</b>  | 9,24        | 1         |
| 12          | 133               | 17640                          | 14439                         |                                   | <b>810120</b>  | 9,39        | 1         |
| 15          | 168               | 22050                          | 18049                         |                                   | <b>810150</b>  | 9,59        | 1         |
| 18          | 199               | 26460                          | 21659                         |                                   | <b>810180</b>  | 9,96        | 1         |

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

Features: typical installation height between 4 and 8 m.

\*The emergency version must be completed with the kit on page 22.

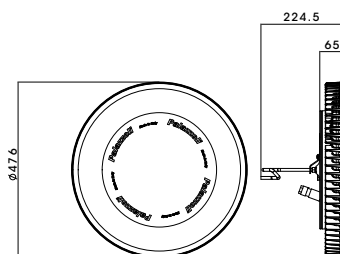
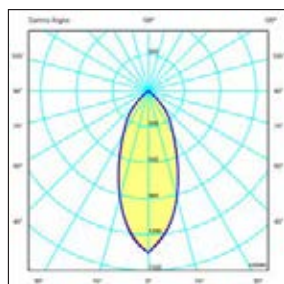
Notes: the stated values may be subject to a +/- 7% tolerance.

Wireless control systems are available upon request.

110.000h | up to  
110 lm/W | UGR<22



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



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>Tj= 25 °C | Output flux (lm)<br>Tq= 25 °C | Version                           | Palazzoli Code | Weight (kg) | Pack Qty. |
|-------------|-------------------|--------------------------------|-------------------------------|-----------------------------------|----------------|-------------|-----------|
| 9           | 99                | 13230                          | 10572                         | 1-10 V<br>dimmable as<br>standard | <b>810091</b>  | 8,59        | 1         |
| 12          | 133               | 17640                          | 14096                         |                                   | <b>810021</b>  | 8,74        | 1         |
| 15          | 168               | 22050                          | 17620                         |                                   | <b>810051</b>  | 8,94        | 1         |
| 18          | 199               | 26460                          | 21144                         |                                   | <b>810081</b>  | 9,31        | 1         |

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

Features: typical installation height between 8 and 12 m.

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

Wireless control systems are available upon request.

# META



DIMMABLE  
1-10V



CORROSION  
RESISTANT



FLICKER  
FREE

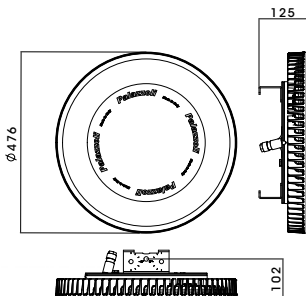
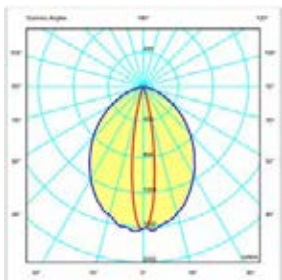


2-YEAR WARRANTY  
EXTENDABLE TO 5 YEARS



50% ENERGY  
SAVINGS

110.000h | up to 110 lm/W | UGR<22



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>Tj= 25 °C | Output flux (lm)<br>Tq= 25 °C | Version                           | Palazzoli Code | Weight (kg) | Pack Qty. |
|-------------|-------------------|--------------------------------|-------------------------------|-----------------------------------|----------------|-------------|-----------|
| 9           | 99                | 13230                          | 9965                          | 1-10 V<br>dimmable as<br>standard | <b>810092</b>  | 8,59        | 1         |
| 12          | 133               | 17640                          | 13287                         |                                   | <b>810022</b>  | 8,74        | 1         |
| 15          | 168               | 22050                          | 16609                         |                                   | <b>810052</b>  | 8,94        | 1         |
| 18          | 199               | 26460                          | 19931                         |                                   | <b>810082</b>  | 9,31        | 1         |

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

Features: typical installation height between 6 and 9 m.

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

Wireless control systems are available upon request.

Professional  
pendant LED light fixtures  
glass diffuser  
symmetrical 92°x20°  
elliptical beam optics  
IP66/IP67

# META

## HT +55°C



DIMMABLE  
1-10V



CORROSION  
RESISTANT



FLICKER  
FREE



2-YEAR WARRANTY  
EXTENDABLE TO 5 YEARS

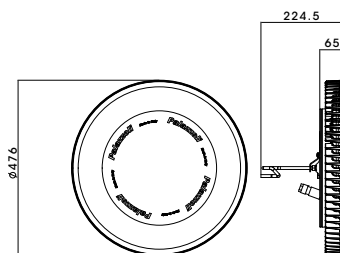
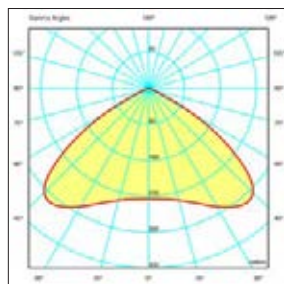


50% ENERGY  
SAVINGS

110.000h | up to  
110 lm/W



Professional HT +55°C  
pendant LED light fixtures  
glass diffuser  
rotosymmetrical 110°  
extra wide beam optics  
IP66/IP67



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>Tj= 25 °C | Output flux (lm)<br>Tq= 25 °C | Version                           | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|--------------------------------|-------------------------------|-----------------------------------|-----------------|-------------|-----------|
| 9           | 76                | 10187                          | 8339                          | 1-10 V<br>dimmable as<br>standard | <b>810090HT</b> | 8,59        | 1         |
| 12          | 102               | 13583                          | 11118                         |                                   | <b>810020HT</b> | 8,74        | 1         |
| 15          | 129               | 16979                          | 13898                         |                                   | <b>810050HT</b> | 8,94        | 1         |
| 18          | 153               | 20374                          | 16677                         |                                   | <b>810080HT</b> | 9,31        | 1         |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.

Features: typical installation height between 4 and 8 m.

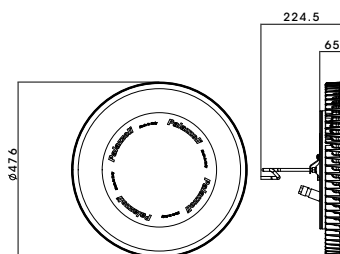
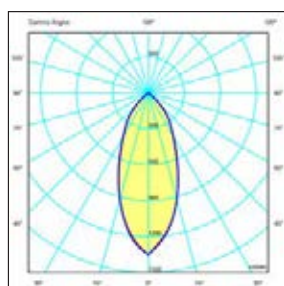
Notes: the stated values may be subject to a +/- 7% tolerance.

Wireless control systems are available upon request.

110.000h | up to  
110 lm/W | UGR<22



Professional HT +55°C  
pendant LED light fixtures  
glass diffuser  
rotosymmetrical 41°  
narrow beam optics  
IP66/IP67



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>Tj= 25 °C | Output flux (lm)<br>Tq= 25 °C | Version                           | Palazzoli Code  | Weight (kg) | Pack Qty. |
|-------------|-------------------|--------------------------------|-------------------------------|-----------------------------------|-----------------|-------------|-----------|
| 9           | 76                | 10187                          | 8140                          | 1-10 V<br>dimmable as<br>standard | <b>810091HT</b> | 8,59        | 1         |
| 12          | 102               | 13583                          | 10854                         |                                   | <b>810021HT</b> | 8,74        | 1         |
| 15          | 129               | 16979                          | 13567                         |                                   | <b>810051HT</b> | 8,94        | 1         |
| 18          | 153               | 20374                          | 16281                         |                                   | <b>810081HT</b> | 9,31        | 1         |

Equipment included: quick connection for pendant mounting. Power supply with 5P quick connector.

Features: typical installation height between 8 and 12 m.

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

Wireless control systems are available upon request.





**DIMMABLE**  
1-10V



**CORROSION**  
RESISTANT



**FLICKER**  
FREE

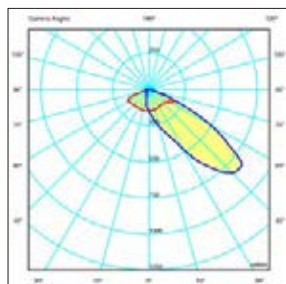


**2-YEAR WARRANTY**  
EXTENDABLE TO 5 YEARS

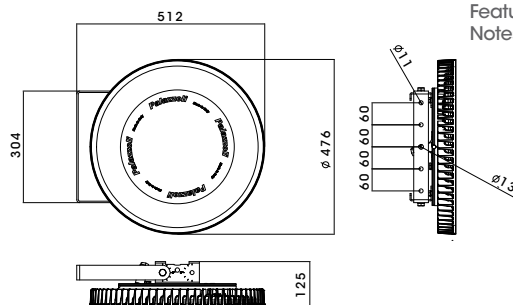


**50% ENERGY**  
SAVINGS

110.000h | up to 110 lm/W



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



| No. of LEDs | Fixture power (W) | Nominal flux (lm)<br>Tj= 25 °C | Output flux (lm)<br>Tq= 25 °C | Version                        | Palazzoli Code | Weight (kg) | Pack Qty. |
|-------------|-------------------|--------------------------------|-------------------------------|--------------------------------|----------------|-------------|-----------|
| 9           | 99                | 13230                          | 9193                          | 1-10 V<br>dimmable as standard | <b>810296</b>  | 10,43       | 1         |
| 12          | 133               | 17640                          | 12258                         |                                | <b>810226</b>  | 10,58       | 1         |
| 15          | 168               | 22050                          | 15322                         |                                | <b>810256</b>  | 10,78       | 1         |
| 18          | 199               | 26460                          | 18387                         |                                | <b>810286</b>  | 11,15       | 1         |

Equipment included: adjustable bracket for wall mounting or to load-bearing structures (poles, lighting towers).  
Power supply with 5P quick connector.

Features: suitable for lighting outdoor areas and sports facilities.

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

## Floodlight accessories



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

| Manufacturing material   | Palazzoli Code | Pack Qty. |
|--------------------------|----------------|-----------|
| painted galvanised steel | <b>811908</b>  | 1         |



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

| Manufacturing material   | Palazzoli Code | Pack Qty. |
|--------------------------|----------------|-----------|
| painted galvanised steel | <b>811912</b>  | 1         |

# Accessories



Bracket for mounting on double chain and busbar

| Manufacturing material | Palazzoli Code | Pack Qty. |
|------------------------|----------------|-----------|
| galvanised steel       | <b>810997</b>  | 1         |



0 - 90° adjustable bracket for double chain mounting

| Manufacturing material | Palazzoli Code | Pack Qty. |
|------------------------|----------------|-----------|
| galvanised steel       | <b>810996</b>  | 1         |



Kit with bracket for ceiling mounting

| Manufacturing material | Palazzoli Code | Pack Qty. |
|------------------------|----------------|-----------|
| galvanised steel       | <b>810998</b>  | 1         |



Set of brackets for Ø 60mm pole mounting

| Manufacturing material | Palazzoli Code | Pack Qty. |
|------------------------|----------------|-----------|
| galvanised steel       | <b>810995</b>  | 1         |



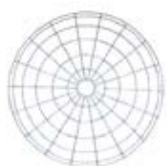
Adjustable bracket for wall, pole and light tower mounting

| Manufacturing material   | Palazzoli Code | Pack Qty. |
|--------------------------|----------------|-----------|
| painted galvanised steel | <b>810999</b>  | 1         |



Adjustable 0 - 90° bracket for catenary wire mounting

| Manufacturing material | Palazzoli Code | Pack Qty. |
|------------------------|----------------|-----------|
| galvanised steel       | <b>810994</b>  | 1         |



Protection guard

| Manufacturing material | Palazzoli Code | Pack Qty. |
|------------------------|----------------|-----------|
| galvanised steel       | <b>810993</b>  | 1         |



CONNECTOR

Emergency kit

| Manufacturing material | Emergency duration | Palazzoli Code | Pack Qty. |
|------------------------|--------------------|----------------|-----------|
| aluminium alloy        | 1h                 | <b>810992</b>  | 1         |
|                        | 3h                 | <b>810991</b>  | 1         |

**Equipment included:** the emergency kit comes complete with junction box, battery, inverter and interface bracket.

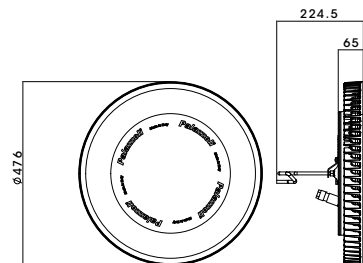
**Features:** 1 M20 entry and 1 exit with connector.

**Notes:** the interface bracket is designed for double fixed chain connection and quick connection for pendant mounting.

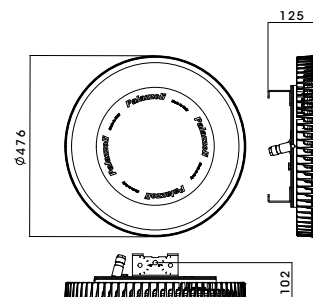
When performing the horizontal pole mounting, adjustable mounting, ceiling mounting and adjustable bracket mounting, the emergency kit must be mounted close to the unit (max 1.5 m).

# Dimensions

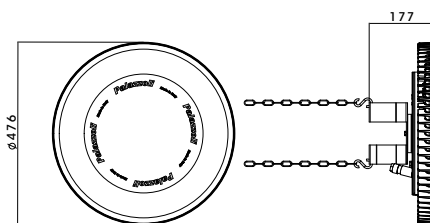
Pendant mounting



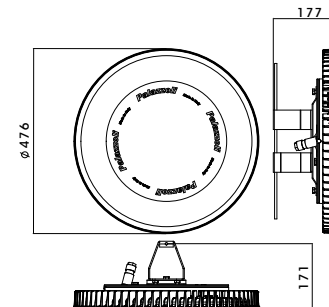
Double chain mounting



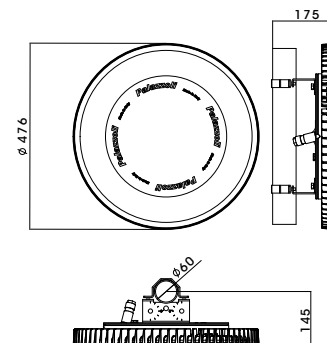
Adjustable double chain mounting



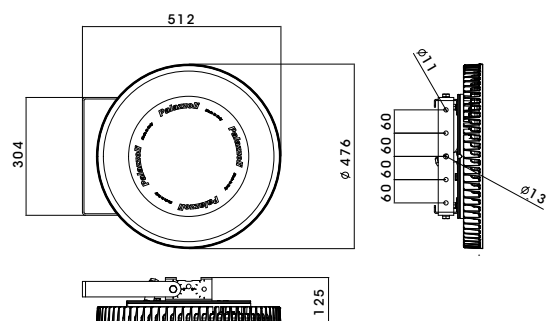
Catenary wire mounting



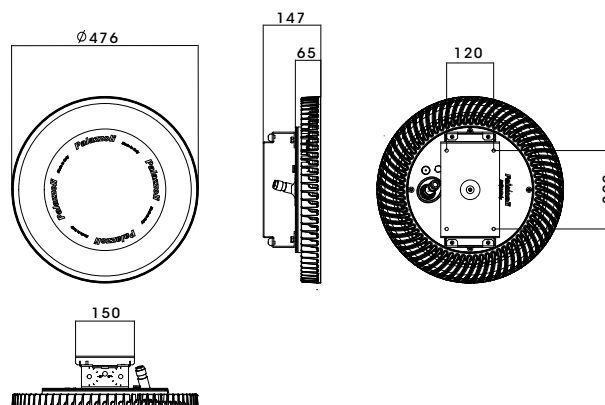
Pole mounting



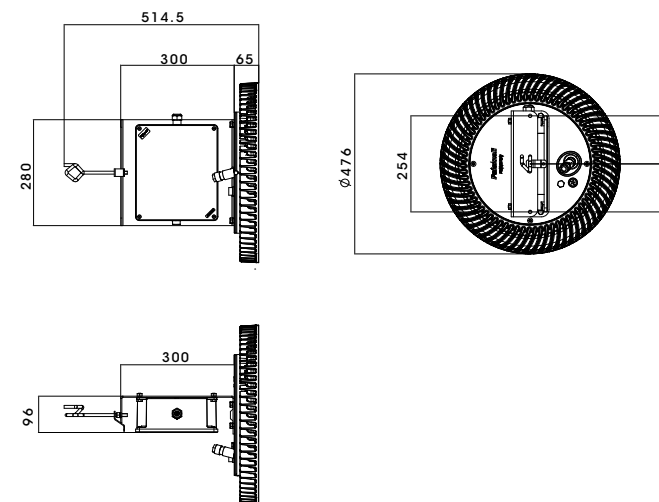
Wall mounting with bracket



Ceiling mounting



Emergency





**Palazzoli** contributes to the Research  
on Breast Cancer Immunotherapy

Customer focused operations

Smart engineering

Top manufacture

Service excellence



**Palazzoli S.p.a**

Via F. Palazzoli, 31 - 25128 Brescia - Italy

Tel. +39 030 2015.1

[palazzoli.com](http://palazzoli.com)



***Palazzoli***  
LUCE D'AUTORE