



**ef** EFFICIENCY  
by nte

**PM-TITAN**

**INFORMACIÓN TÉCNICA**

TECHNICAL INFORMATION

#### LED Floodlight PM-TITAN EFFICIENCY BY NTE

High power which, together with its versatility of orientation and the multiple optics available, makes it possible to provide a lighting solution in the most demanding spaces.

Homogeneous weight distribution with respect to the fixing axis, thus relieving the structural load of the column.

Floodlight with a large dissipation area with a steel structure and floodlight bodies in die-cast aluminium.

Symmetrical or asymmetrical internal louvres specially designed to cover large surfaces, improve directional light flow and avoid glare.

4mm tempered glass enclosure.

Internal wiring fireproof.

PCB with 3535 L80B10 LED, with efficiency of **over 180 lm/W**, CRI>80 and estimated life > 100,000h.

Dimming system for each pair of projectors for better projection.

**Extreme low light pollution, Upper hemisphere flow <1%.**

#### TECHNICAL INFORMATION

Power supply Isolated (EMI & EMS) / Isolée (EMI et EMS).

LED 3535 module [L80B10] with superior efficacy **up to 180 lm/w**

Estimated useful life superior to >100.000 hour.

5 years manufacturer warranty. Optional up to 10 years.

Overvoltage protection 20KV

Light colour CCT (K) 5700K with CRI >71 and TV TLCI >90

Optional colour temperatures 2200K (sodium), 2700K (warm), 4000K (natural).

Voltage 95/270V 48/63Hz IP66 IK08 Class I (optional Class II).

Power factor  $\geq 96\%$  ( $\cos \phi \geq 0,96$ ).

Electromagnetic compatibility IEC 61000-3-2 | EN 61000-3-3 | EN 55015.

THD < 10% maximum.

Dimmer system 1-10 VDC.

Ambient temperatures -40°C - +60°C.

Optional control systems; Double level, IOT telemanagement, PWM, DALI.

Developed and produced in EU

**OPTIONAL ANTI-CORROSION COATING** is a special certified coating for marine environments and doesn't affect the heat dissipation of the fixture.

#### CERTIFICATES

Tested and certified by entity accredited ENAC, Electrical and mechanical tests in compliance with the following regulations: EN 60598-1:2015 + AC:2015 + AC:2016 + A1:2018

EN 60598-2-5:2015 EN 62031:2008 + A1:2013 + A2:2015, EN 62471:2008

Harmonized standards under Directive 2014/35/EU - LVD

EN 55015:2013, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 61547:2009

Harmonized standards under Directive 2014/30/EU - EMC

EN 62493:2015, EN 55015:2013/A1:2015

SAFENTESI180201.00; EMCONTESI180201.00.

**nte**  
MORE THAN LIGHT

**rma**  
Risk Management Nederland B.V.  
More management less firefighting

#### LIGHT POLLUTION

The design of the luminaire and the optics system it assembles make possible the luminous flux in the upper hemisphere to be less than 1% of the total, thus fulfilling the most demanding anti-pollution requirements.

#### LIGHT CONTROL

Control system and bidirectional telemetry that allows the user to know in real time the status of the luminaire, turn it on, turn it off, regulate its power or program several operating modes so that the behavior of the luminaire adapts to each situation. It allows the inclusion of light and presence sensors for decision making.

#### 0-10V DIMMABLE

System of regulation of the power of ignition by means of two wires that arrive at the luminaire and that define the power with respect to the difference of voltage that exists between the wires, 0V-10%, 10V - 100%.

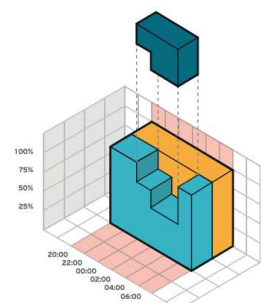
It works with any standard 0-10V regulator in the market.

#### DOUBLE LEVEL

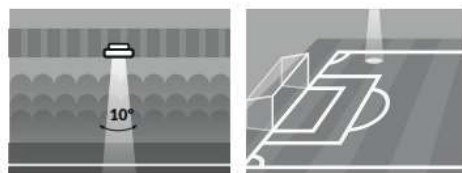
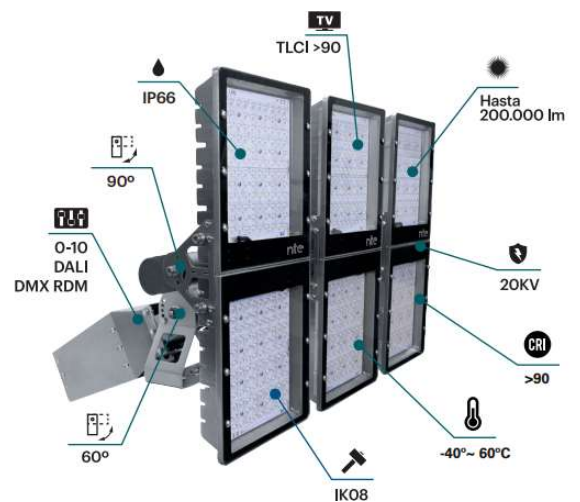
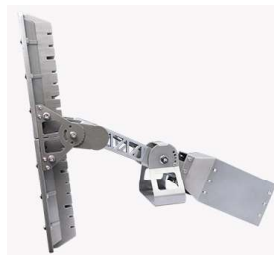
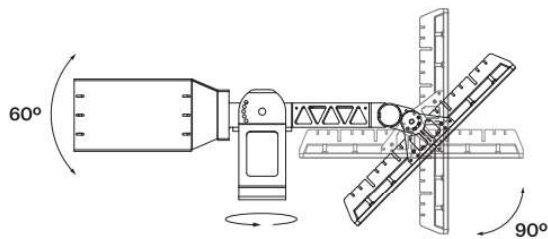
System that allows staging (up to 8 sections) the power of the luminaire between each on and off, configuring a lower luminous flux in hours of low traffic and a greater one in peak hours.

Each step is expressed in a % of the power of ignition, from a 10% to 100% of it.

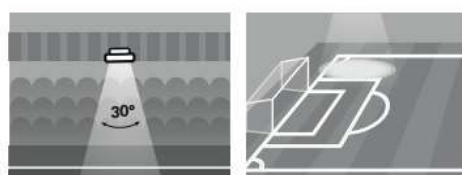
- Installation without programming
- Installation with programming
- Savings percentage
- Lighting-up schedule



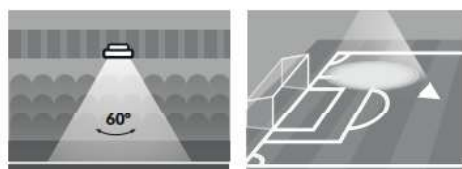
| Article No. | Description            | W Nom. | W Fin. | A     | CCT(K) | CRI | Lm/W nom. | Lm/W Fin. | Flux Led | Flux Lum | N Led |
|-------------|------------------------|--------|--------|-------|--------|-----|-----------|-----------|----------|----------|-------|
| 83NTE4012   | PM-Titan 90K 2 module  | 500    | 530    | 850mA | 5700K  | 73  | 180       | 150       | 90.000   | 81.390   | 192   |
| 83NTE4013   | PM-Titan 130K 4 module | 750    | 805    | 700mA | 5700K  | 73  | 185       | 155       | 138.750  | 127.055  | 384   |
| 83NTE4014   | PM-Titan 180K 4 module | 1.000  | 1.070  | 850mA | 5700K  | 73  | 177       | 150       | 177.000  | 159.180  | 384   |
| 83NTE4015   | PM-Titan 210K 6 module | 1.250  | 1.350  | 700mA | 5700K  | 73  | 180       | 150       | 225.000  | 202.500  | 576   |
| 83NTE4016   | PM-Titan 250K 6 module | 1.500  | 1.620  | 850mA | 5700K  | 73  | 173       | 145       | 259.500  | 232.100  | 576   |



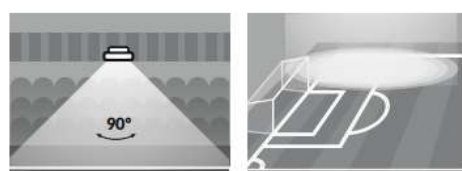
Symmetrical intensive optics.  
Used for lighting at specific points  
where it is necessary to focus.



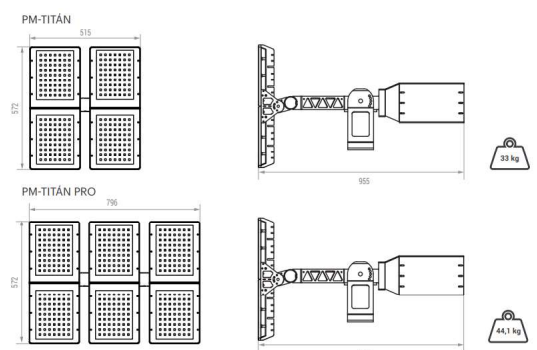
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Symmetrical extensive optics.  
Used to illuminate medium areas  
or fields.



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**NTE PM-TITAN** available in 4 and 6 module units with multiple adjustment possibilities. Extreme good weight balance at the mounting bracket.

