

RMN EXPERTS IN LIGHT
We illuminate your future with LED



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Energy Management Solutions & Services
With a commitment to sustainability

NTE FLOODLIGHT SERIES
EFFICIENCY AS STANDARD



Experts in light

Durability starts now.

The Green Future belongs to all of us.

NTE PM BASIC SERIES



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Repair Management Nederland B.V.
More management less firefighting

FLOODLIGHT PM-BASIC & PM-BASIC LT

The PM-BASIC & PM-BASIC LT are professional LED Floodlights with a large dissipation area. **Standard optic is 120°.** A high performance aluminium injection body in a black color as standard with a 4.0mm tempered glass closure with an impact resistant rating of IK08. Fireproof internal wiring up to +300°C resistant with high strength and flexibility. High performance protective coating, **optional with** special anti-corrosion coating or anti-saline coating for applications in harsh conditions such as at sea.

Led driver is IP67, 1-10V adjustable dimming as standard and is mounted completely divided from the LED module. Can be connected to a junction box or quick connection to the existing cable using the recommended optional IP68 quick connector. A fully adjustable mounting bracket to achieve the right light view. Optional with emergency battery.

The **PM-BASIC-LT** comes with a LED PCB 3030 L80B10 with a superior efficiency up to **166 lm/W.**

The **PM-BASIC** comes with a LED PCB 5630 L80B10 with a superior efficiency up to **200 lm/W.**

Estimated useful service life up to >60.000 hours and a manufacturers warranty of 3 years. Overvoltage protection 6kV. Available in light colors 3.000K, 4.000K and 5.000K, standard color is 4.000K. Protection is IP66, Class 1, IK08. Breather or compensating valve which equals the interior/exterior pressure of the fixture by means of the air inlet/outlet the prolong the lifetime of the joints and internal elements by reducing temperature and preventing the entry of moisture that can produce condensation. For use in ambient temperatures from -40°C to +60°C. The entire PM series have a low total weight of 5.4 kg and all bodies have the same dimensions.

Compensating valve as standard.

The PM fixtures have a compensating valve that equals the interior/exterior pressure of the fixture by means of the air inlet/outlet the prolong the lifetime of the joints and internal elements by reducing temperature and preventing the entry of moisture that can produce condensation.

NTE-SISTEMAS years of experience in developing and production of LED fixtures in own factory in Spain.



Lumen output.

The **PM-BASIC LT** is available from 5.967 lumen up to 33.073 lumen.

Lumen output.

The **PM-BASIC** is available from 9.245 lumen up to 38.202 lumen

Installation methods.

The PM series LED Floodlights can easily be installed to wall or ceiling with the adjustable bracket. For use on road applications there is a range of pole brackets for installation of 1, 2, 3 or 4 units.

Extra accessories.

For extra protections there is a galvanized steel vandal resistant grit or a completely vandal resistant box available.

All standard light fixture parts and components are as spare available.

Power Supply.

Power supply, isolated / EMI / EMS Voltage input, 95~270 Vac and 48~63Hz Power factor, $\geq 96\%$ ($\cos \phi \geq 0,96$).

Electromagnetic compabilite, IEC 61000-3-2, EN 61000-3-3, EN 55015



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MORE THAN LIGHT

Dimensions.

246 x 384 x 71mm
W x H x D



NTE PM SERIES



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FLOODLIGHT PM-PRO & PM-PRO LT

The PM-PRO & PM-PRO LT are professional LED Floodlights with a large dissipation area. **Standard optic is 90° for the PRO-LT and 120° for the PRO.** Other optics available. A high performance aluminium injection body in a black color as standard with a 4.0mm tempered glass closure with an impact resistant rating of IK08. Fireproof internal wiring up to +300°C resistant with high strength and flexibility. High performance protective coating, **optional with** special anti-corrosion coating or anti-saline coating for applications in harsh conditions such as at sea.

Led driver is IP67, 1-10V adjustable dimming as standard and is mounted completely divided from the LED module. Can be connected to a junction box or quick connection to the existing cable using the recommended optional IP68 quick connector. A fully adjustable mounting bracket to achieve the right light view. Optional with emergency battery.

The **PM-PRO-LT** comes with a LED PCB 3030 L80B10 with a superior efficiency up to **166 lm/W.**

The **PM-PRO** comes with a LED PCB 3535 L80B10 with a superior efficiency up to **194 lm/W.**

Estimated useful service life for the **PM-PRO-LT** up to >60.000 hours and a manufacturers warranty of 3 years (optional 5 years) and for the **PM-PRO** up to >100.000 hours and a manufacturers warrantee of 5 years (optional 10 years).

Overvoltage protection 6kV. Available in light colors 3.000K, 4.000K and 5.000K, standard color is 4.000K. Protection is IP66, Class 1, IK08. Breather or compensating valve which equals the interior/exterior pressure of the fixture by means of the air inlet/outlet the prolong the lifetime of the joints and internal elements by reducing temperature and preventing the entry of moisture that can produce condensation. For use in ambient temperatures from -40°C to +60°C. The entire PM series have a low total weight of 5.4 kg and all bodies have the same dimensions.



Dimensions.

246 x 384 x 71mm
W x H x D



Compensating valve as standard.

The PM fixtures have a compensating valve that equals the interior/exterior pressure of the fixture by means of the air inlet/outlet the prolong the lifetime of the joints and internal elements by reducing temperature and preventing the entry of moisture that can produce condensation.

NTE-SISTEMAS years of experience in-developing and production of LED fixtures in own factory in Spain.

Lumen output.

The **PM-PRO LT** is available from 5.967 lumen up to 33.073 lumen.

Lumen output.

The **PM-PRO** is available from 6.467 lumen up to 36.449 lumen

Installation methods.

The PM series LED Floodlights can easily be installed to wall or ceiling with the adjustable bracket. For use on road applications there is a range of pole brackets for installation of 1, 2, 3 or 4 units.

Extra accessories.

For extra protections there is a galvanized steel vandal resistant grit or a completely vandal resistant box available.

All standard light fixture parts and components are as spare available.

Power Supply.

Power supply, isolated / EMI / EMS
Voltage input, 95~270 Vac and 48~63Hz
Power factor, $\geq 96\%$ ($\cos \phi \geq 0,96$).

Electromagnetic compabile, IEC 61000-3-2, EN 61000-3-3, EN 55015

Optional DALI protocol

NTE PM SPORT SERIES



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FLOODLIGHT PM-SPORT

The PM-SPORT are professional LED Floodlights for sports facilities, with the possibility of optics that allows it to be installed parallel to the ground, avoiding glare on the track and making uniform light distribution suitable for most sports disciplines, both indoors and outdoors. **Standard optic is asymmetrical.** A high performance aluminium injection body in a black color as standard with a 4.0mm tempered glass closure with an impact resistant rating of IK08. Fireproof internal wiring up to +300°C resistant with high strength and flexibility. High performance protective coating, **optional with** special anti-corrosion coating or anti-saline coating for applications in harsh conditions such as at sea. Led driver is IP67, 1-10V adjustable dimming as standard and is mounted completely divided from the LED module. Can be connected to a junction box or quick connection to the existing cable using the recommended optional IP68 quick connector. A fully special shaped adjustable mounting bracket to achieve the right light distribution. Optional available with motion sensor, R.M. system, Dali protocol, emergency battery.

The **PM-SPORT** comes with a LED PCB 3535 L80B10 with a superior efficiency up to **180 lm/W.**

Estimated useful service life up to >100.000 hours and a manufacturer's warranty of 5 years (optional 10 years). Overvoltage protection 6kV. Available in light colors 3.000K, 4.000K and 5.000K, standard color is 4.000K. Protection is IP66, Class 1, IK08. Breather or compensating valve which equals the interior/exterior pressure of the fixture by means of the air inlet/outlet to prolong the lifetime of the joints and internal elements by reducing temperature and preventing the entry of moisture that can produce condensation. For use in ambient temperatures from -40°C to +60°C. The entire PM series have a low total weight of 5.4 kg and all bodies have the same dimensions.



Dimensions.

246 x 400,5 x 124,25mm
W x H x D



Compensating valve.

The PM fixtures have a compensating valve that equals the interior/exterior pressure of the fixture by means of the air inlet/outlet to prolong the lifetime of the joints and internal elements by reducing temperature and preventing the entry of moisture that can produce condensation.

NTE-SISTEMAS years of experience in developing and production of LED fixtures in own factory in Spain.

Lumen output.

The **PM-SPORT** is available from 11.713 lumen up to 29.845 lumen.

Installation methods.

The PM series LED Floodlights can easily be installed to wall or ceiling with the adjustable bracket. For use on road applications there is a range of pole brackets for installation of 1, 2, 3 or 4 units.

Extra accessories.

For extra protections there is a galvanized steel vandal resistant grit or a completely vandal resistant box available. All standard light fixture parts and components are as spare available.

Power Supply.

Power supply, isolated / EMI / EMS
Voltage input, 95~270 Vac and 48~63Hz
Power factor, $\geq 96\%$ ($\cos \phi \geq 0,96$).
Electromagnetic compatibility, IEC 61000-3-2, EN 61000-3-3, EN 55015

NTE PM-COLOSSUS SERIES



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FLOODLIGHT PM-COLOSSUS

The PM-COLOSSUS are professional LED Floodlights with a large dissipation area. **Standard optic is 90°**. Other optics available. Structure made of sheet steel and internal bodies of high performance die-cast aluminium in a black color as standard with a 4.0mm tempered glass closure with an impact resistant rating of IK08. Symmetrical or asymmetrical internal louvres specially designed to cover large surfaces, improve directional light flow and avoid glare. Fireproof internal wiring up to +300°C resistant with high strength and flexibility. High performance protective coating, **optional with** special anti-corrosion coating or anti-saline coating for applications in harsh conditions such as at sea. Led driver is IP67, 1-10V adjustable dimming as standard and is mounted completely divided from the LED module. Comes with a cable with IP68 quick connector. A fully adjustable mounting bracket to achieve the right light distribution. Standard CRI >70. Optional CRI >80, TLCI >90.

The **PM-COLOSSUS** comes with a LED PCB 3535 L90B10 with a superior efficiency up to **170 lm/W**.

Estimated useful service life for the **PM-COLOSSUS** up to >100.000 hours and a manufacturers warranty of 5 years (optional 10 years). Overvoltage protection 6kV. Available in light colors 3.000K, 4.000K and 5.000K, standard color is 4.000K. Protection is IP66, Class 1, IK08. Breather or compensating valve which equals the interior/exterior pressure of the fixture by means of the air inlet/outlet the prolong the lifetime of the joints and internal elements by reducing temperature and preventing the entry of moisture that can produce condensation. For use in ambient temperatures from -40°C to +60°C. The weight and dimensions depend on the configurations.

The PM-COLOSSUS are available in 2, 3 and 4 module configurations.

Compensating valve.

The PM fixtures have a compensating valve that equals the interior/exterior pressure of the fixture by means of the air inlet/outlet the prolong the lifetime of the joints and internal elements by reducing temperature and preventing the entry of moisture that can produce condensation.

NTE-SISTEMAS years of experience in developing and production of LED fixtures in own factory in Spain.

Lumen output.

The **PM-COLOSSUS 2 module** is available from 40.155 lumen up to 65.595 lumen.

The **PM-COLOSSUS 3 module** is available from 78.048 lumen up to 93.705 lumen.

The **PM-COLOSSUS 4 module** is available from 131.191 lumen up to 149.390 lumen.

Power Supply.

Power supply, isolated / EMI / EMS

Voltage input, 95~270 Vac and 48~63Hz

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

Electromagnetic compabilite, IEC 61000-3-2, EN 61000-3-3, EN 55015

Options.

Control systems, 8 stages double level to control luminous flux due to the demand.

Installation methods.

The PM-COLOSSUS series LED Floodlights can easily be installed to wall or high posts with the adjustable bracket.



FLOODLIGHT PM-TITÁN

The PM-TITÁN are professional LED Floodlights with a large dissipation area. **Standard optic is 90°**. Other optics available. Structure made of steel and internal bodies high performance die-cast aluminium in a black color as standard with a 4.0mm tempered glass closure with an impact resistant rating of IK08. Symmetrical or asymmetrical internal louvres specially designed to cover large surfaces, improve directional light flow and avoid glare.

Fireproof internal wiring up to +300°C resistant with high strength and flexibility. High performance protective coating, **optional with** special anti-corrosion coating or anti-saline coating for applications in harsh conditions such as at sea. Led driver is IP67, 1-10V adjustable dimming as standard and is mounted completely divided from the LED module. Comes with a cable with IP68 quick connector. A fully double adjustable mounting bracket to achieve the right light distribution. Standard CRI >70. Optional CRI >90, TLCI >90.

The **PM-TITÁN** comes with a LED PCB 3535 L90B10 with a superior efficiency of **>180 lm/W(nom)**.

Estimated useful service life for the **PM-TITÁN** up to >100.000 hours and a manufacturers warranty of 5 years (optional 10 years). Overvoltage protection 20kV. Available in light colors 3.000K, 4.000K and 5.000K, standard color is 5.000K. Protection is IP66, Class 1, IK08. For use in ambient temperatures from -40°C to +60°C. The weight and dimensions depend on the configurations.

The PM-TITÁN are available in 4 and 6 module configurations.



Options.

IOT Direct Control Systems, 8 stages double level to control luminous flux due to the demand. Monitoring system via Smart App.



CERTIFIED BY ENAC.

Tested electrical and mechanical,
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.

Lumen output.

The **PM-TITÁN 4 module** is available from 84.530 lumen up to 116.800 lumen.

The **PM-TITÁN 6 module** is available from 162.180 lumen up to 187.530 lumen.

Installation methods.

The PM-TITÁN series LED Floodlights are designed for high mast installation such as sports fields(stadiums), large industrial areas.

Power Supply.

Power supply, isolated / EMI / EMS
Voltage input, 95~270 Vac and 48~63Hz
Power factor, $\geq 96\%$ ($\cos \phi \geq 0,96$).
Electromagnetic compabilite, IEC 61000-3-2, EN 61000-3-3, EN 55015
THD <10% Maximum.
Light polution >1% upper hemisphere, thus fulfilling the most demanding anti-light-polution requirements.



FLOODLIGHT PEF 3K - 5K

The PEF are professional LED Floodlights equipped with a COB LED. **Standard optic is 120°**. Body made of high performance die-cast aluminium in a black color as standard with a 4.0mm tempered glass closure with an impact resistant rating of IK08. Symmetric optic for an uniform light distribution in a medium distance. Fireproof internal wiring up to +300°C resistant with high strength and flexibility. High performance protective coating, **optional with** special anti-corrosion coating or anti-saline coating for applications in harsh conditions such as at sea.

Led driver is mounted into the fixtures body below the LED module. Comes with a cable to connect to a junction box or optional with IP68 quick connector. An adjustable mounting bracket in a range between 0° and 90° to achieve the right light distribution. Standard CRI >80.

The **PEF** comes with a COB LED PCB L80B10 with a superior efficiency of up to **>170 lm/W**.

Estimated useful service life for the **PEF** up to >60.000 hours and a manufacturers warranty of 5 years (optional 10 years). Overvoltage protection 6kV. Available in light colors 3.000K, 4.000K and 5.000K, standard color is 4.000K. Protection is IP65, Class 1, IK08. For use in ambient temperatures from -40°C to +60°C. The weight and dimesions depend on the configurations.

NTE-SISTEMAS years of experience in developing and production of LED fixtures in own factory in Spain.

Lumen output.

The **PEF-3K** have 3.276 lumen.

The **PEF-5K** have 5.635 lumen.



Installation methods.

The PEF series LED Floodlights can easily be installed to wall or ceiling with the adjustable bracket.

Optional.

R.M. System, 1-10V dimming, DALI, Motion sensor, Emergency battery.

Power Supply.

Power supply, isolated / EMI / EMS

Voltage input, 95~270 Vac and 48~63Hz

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

Electromagnetic compabilite, IEC 61000-3-2, EN 61000-3-3, EN 55015



Dimensions.

3K 198 x 156 x 55,2 mm H x W x D

5K 198 x 156 x 55,2 mm H x W x D

NTE PEF SERIES

FLOODLIGHT PEF 10K up to 100K

The PEF are professional LED Floodlights equipped with a COB LED. **Standard optic is 120°**. Body made of high performance die-cast aluminium in a black color as standard with a 4.0mm tempered glass closure with an impact resistant rating of IK08. Symmetric optic for an uniform light distribution in a medium distance. Fireproof internal wiring up to +300°C resistant with high strength and flexibility. High performance protective coating, **optional with** special anti-corrosion coating or anti-saline coating for applications in harsh conditions such as at sea.

Led driver is mounted separate under the fixtures body below the LED module. Comes with a cable to connect to a junction box or optional with IP68 quick connector. An adjustable mounting bracket in a range between 0° and 90° to achieve the right light distribution. Standard CRI >80.

The **PEF** comes with a COB LED PCB L80B10 with a superior efficiency of up to **>170 lm/W**.

Estimated useful service life for the **PEF** up to >60.000 hours and a manufacturers warranty of 5 years (optional 10 years). Overvoltage protection 6kV. Available in light colors 3.000K, 4.000K and 5.000K, standard color is 4.000K. Protection is IP65, Class 1, IK08. For use in ambient temperatures from -40°C to +60°C. The weight and dimesions depend on the configurations.

Compensating valve.

The PEF fixtures 10K - 100K have a compensating valve that equals the interior/exterior pressure of the fixture by means of the air inlet/outlet the prolong the lifetime of the joints and internal elements by reducing temperature and preventing the entry of moisture that can produce condensation.

NTE-SISTEMAS years of experience in developing and production of LED fixtures in own factory in Spain.

Lumen output.

The **PEF-10K** = 10.298 lumen, 2x COB LED
The **PEF-15K** = 14.407 lumen, 4x COB LED
The **PEF-21K** = 20.726 lumen, 4x COB LED
The **PEF-25K** = 23.677 lumen, 4x COB LED
The **PEF-28K** = 27.347 lumen, 4x COB LED
The **PEF-32K** = 32.972 lumen, 6x COB LED
The **PEF-52K** = 47.938 lumen, 7x COB LED
The **PEF-62K** = 57.185 lumen, 7x COB LED
The **PEF-100K** = 99.952 lumen, 9x COB LED

Installation methods.

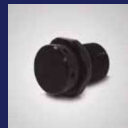
The PEF series LED Floodlights can easily be installed to wall or ceiling with the adjustable bracket.

Optional.

R.M. System, DALI, Motion sensor, Emergency battery.

Power Supply.

Power supply, isolated / EMI / EMS
Voltage input, 95~270 Vac and 48~63Hz
Power factor, $\geq 96\%$ ($\cos \phi \geq 0,96$).
Electromagnetic compabilite, IEC 61000-3-2, EN 61000-3-3, EN 55015



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