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Repair Management Nederland B.V.
More management less firefighting

NTE Sistemas LED Streetlights - Made in Spain



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More management less firefighting



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MORE THAN LIGHT

NTE Sistemas LED Streetlights - Made in Spain
Distributed by RMN as official NTE distributor / Agent
MORE THAN LIGHT

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NTE Sistemas LED SOLAR KIT

NTE LED SOLAR KIT Series

100% Energy savings with maximum respect for the environment.

The NTE Solar Series includes state-of-the-art LED technology, a programmable lighting system and light intensity control. Being able to reach a height of 7 meters, it is the ideal option for rural roads, landscape areas, parking areas, construction yards, bike lanes, pedestrian walks etc. With the possibility of including a presence detector, for a minimum light pollution, especially in isolated or low traffic areas, maintaining the safety of pedestrians at all times.

Sustainability, fully renewable clean energy along with recyclable luminaires.

Efficiency compability, any of the Efficiency Road Luminaires can be turned into solar and can be combined with the remote management system.

100% savings, with programmable power and an option to include a motion detector for minimal light pollution.

The complete Solar Kit contains of a Solar Panel, a Lithium-Ion battery of high capacity with low weight, great durability (minimum of 5 years useful life) and IP65 protection. In addition it includes a charge controller and the option to install a motion sensor. Compatible with the High Efficiency Road Luminaires or PM-PRO floodlights, with simple mounting on any mast or standard column and up to 4 days of operation depending on the model.



Article No.	Description	Battery Wattage	Wp Panel	System Voltage	Loading Time*
83NTE0001	Solar Kit XS	256	45	12	<7
83NTE0002	Solar Kit S	400	80	12	<7
83NTE0003	Solar Kit M	512	150	12	<6
83NTE0004	Solar Kit L	925	210	24	<6
83NTE0005	Solar Kit XL	1240	375	24	<6
83NTE0006	Solar Kit XXL	1880	375	24	<6



* Estimated calculation for an average irradiance equal to or greater than 1000 W/m²

A = Solar Photovoltaic Panel B= Solar LED Driver C= Batteries D= LED Luminaire E= Motion Sensor (Optional)

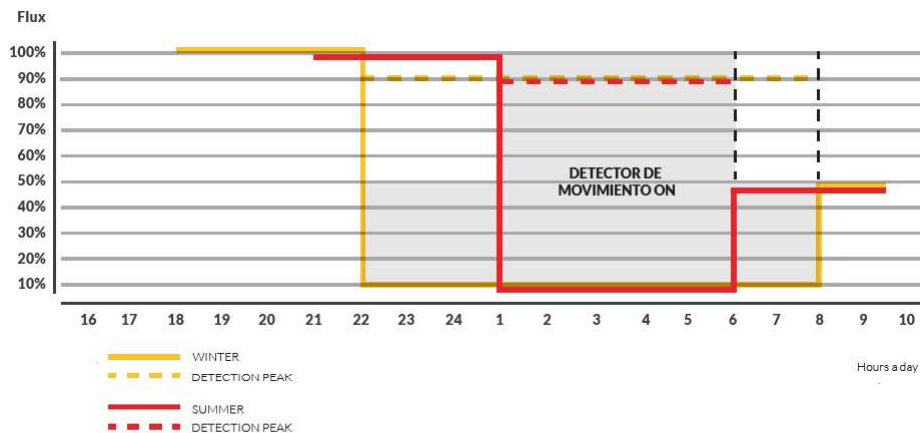


Regulation profile with motion sensor

The system can incorporate a microwave motion sensor that reduces light intensity and consumption in periods of time when no movement is detected in the zone.

The luminaire will turn on when the solar radiation drops below a minimum value. When motion is detected, the light intensity will rise to a marked value, for a set period of time once detection ceases.

Below a standard example (We always recommend the unit with a motion sensor).



The luminaire will switch on automatically when it does not exceed the minimum daylight.

The system starts according to the established schedule. In above example, the luminaire starts at 100% operation and after 4 hours it goes to 10% light with the action of the motion detector.

The motion detector can be set to 10% at the time of non-detection, which would rise to 90% after detecting presence with a courtesy time of up to 200 seconds.

In the example, the last hour is set to 50% without detection.

The luminaire will turn off automatically when it exceeds the minimum of daylight, not needing to complete the curve.



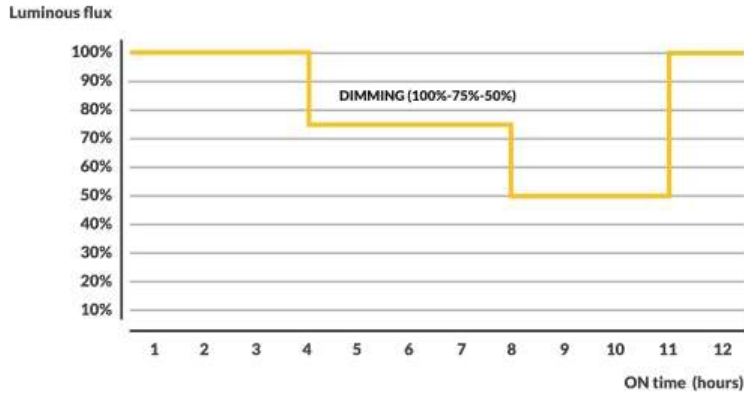
NTE Sistemas LED SOLAR KIT

Regulation profile with motion sensor

In this case the system is scaled for a duration of more than two days with a charging time of less than 6 hours in the worst case.

The automatic summer-winter change adjust working hours at different levels of regulation.

The Controller Saving Mode allows automatic lighting adjustment under critical battery levels, if they occur.



The luminaire will turn on automatically when it does not exceed the minimum of daylight.

The system starts according to the established schedule. In the above example, the luminaire starts at 100% operation and after 4 hours it goes to 75% light, 4 hours later it goes to 50% and at dawn it rises to 100% lighting.

This programming is optional, designed for a longer system life. The luminaire will turn off automatically when it exceeds the minimum solar radiation, not needing to complete the curve.

Saving mode

When the battery charge is below the critical charge point, the luminaire enters Saving Mode, gradually reducing the intensity, in order to avoid complete battery discharge.

All NTE Solar Kits will be calculated to the customer requirements. What is needed depends on location, installation height, required light output etc.

PAY ATTENTION:

Solar Panel must always be installed higher than the light fitting. The light must not illuminate the Solar Panel.

Compatible NTE Models with the Solar Kit

Streetlights: Pulsar, LEF, LEF-LT, Round, GEF. Floodlights: PM-PRO

As accessory there is a compact arm available that can be fitted to the kit and installed at top of the post.



PULSAR



LEF



LEF-LT



ROUND



GEF



PM-PRO

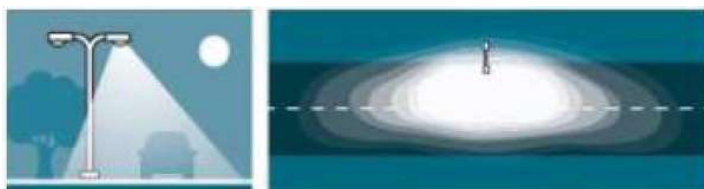
Optic 120°

Symmetric extensive optics, standard LED aperture. It is used generically for the illumination of large areas with regular distribution.



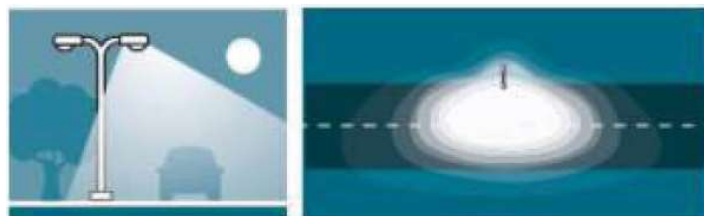
Optic T2

Asymmetric optics with application in road and pedestrian lighting to be installed at heights between 6 and 10 meters with interdistance between luminaires twice the mounting height (12 to 20 m) and road width of three quarters (0.75) of mounting height (4.5 to 7.5 m).



Optic T3

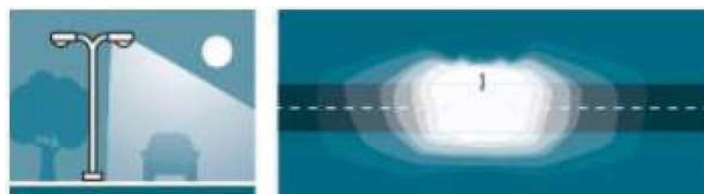
Asymmetric optics for installation on roads and walks with average installation heights between 8 and 12 meters with interdistance between luminaires 2.5 to 2.8 times the recommended mounting height (20 to 34 m) and road width of 0.85 times the mounting height (7 to 10 m).



Optic LD

Asymmetric optics for a variety of road applications with mounting heights ranging from 5 to 14 meters high, interdistance between luminaires from 11 to 30 meters (22 times the mounting height) and a roadway with or area to illuminate equal to the mounting height (5 to 14 m).

The peculiarity of this optics is that the flow of light thrown towards the rear of the luminaire is practically zero, so it can be placed in street lamps near facades without the light being uncomfortable or annoying for these homes.



Optic VSM

Symmetric 120° optics that extend the light to almost the parallel of the luminaire. Recommended for high interdistance between points of lights



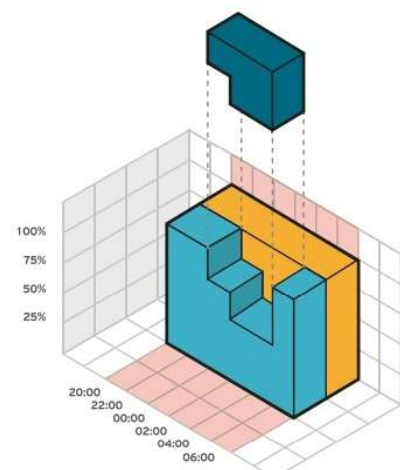
Double level dimming

Device manufactured by NTE as an alternative to drivers with dual level dimming. These are some of the advantages that our system presents regarding to the drivers that incorporate this option:

It can be installed in any luminaire that includes a 1-10V DC adjustable source, so that we can update already installed luminaires without changing the installation wiring.

- It is cheaper than a standard source that includes the option of double-level factory regulation.
- It has up to eight regulation steps compared to three or five, which is standard in market sources.
- Despicable consumption.
- Very small size, so it integrates perfectly in the same driver's compartment of any luminaire.
- Possibility of the client choosing the powers and hours of operation in each of them.

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



NTE Sistemas LED Street light FEF-M-LT

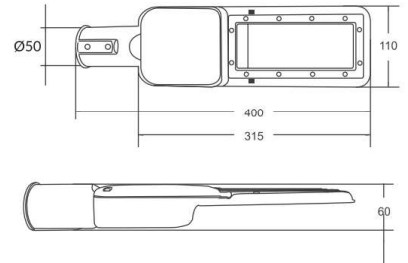
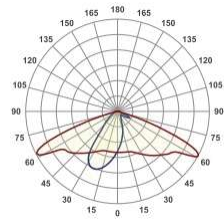
NTE LED Street Light FEF-M-LT

High efficiency street light, elegant and compact design with the best features for street lighting.
 With asymmetric optics according to the needs of the location.
 Possibility of applying anti-saline anti-corrosion finishes, for environments with high salinity or atmospheres with corrosive gasses.
 Protection IP66 and impact resistant IK08, standard color RAL 9007.
 Integrated IP66 KLASSE II Driver. Input Voltage 95-270Vac, 48-63Hz.
 Power factor $\geq 96\%$.
 LED 3535 L90B10 with a superior efficiency **up to 189 lm/W**.
 CRI >70.
 Estimated useful life exceeding 100.000 hour. Manufacturers warranty 3 years.
 Easy installation with non-rotatable arm, optional available a 90° adapter.
 Pole aperture of Ø50 mm. Weight 1,1 kilo.
 Optional with motion sensor.
 Light optic 135° x 60°.
 Overvoltage protection 10KV.

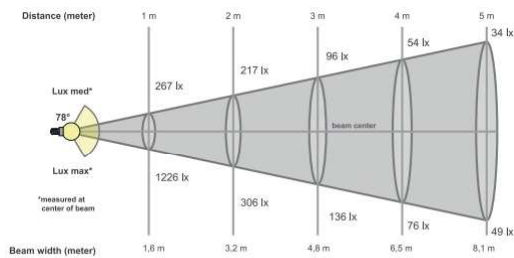


Can be used in combination with the NTE SOLAR KIT
Column Conventional shows the equivalent of a discharge lamp

Article No.	Description	Watt LED	Watt Lumen	Flux LED	Flux Lumen	CRI	Color	Equivalence
83NTE0010	FEF-M-LT 4K	23	27	4.342	4.169	74	2200K	100W
83NTE0011	FEF-M-LT 6K	35	40	6.108	5.865	74	2200K	145W
83NTE0012	FEF-M-LT 8K	46	53	8.685	8.337	74	2200K	200W
83NTE0013	FEF-M-LT 4K	23	27	4.342	4.169	74	2700K	100W
83NTE0014	FEF-M-LT 6K	35	40	6.108	5.865	74	2700K	145W
83NTE0015	FEF-M-LT 8K	46	53	8.685	8.337	74	2700K	200W
83NTE0016	FEF-M-LT 4K	23	27	4.342	4.169	73	4000K	100W
83NTE0017	FEF-M-LT 6K	35	40	6.108	5.865	73	4000K	145W
83NTE0018	FEF-M-LT 8K	46	53	8.685	8.337	73	4000K	200W
83NTE0023	Optional motion sensor	-	-	-	-	-	-	-
83NTE00..P	Anti-saline coating	-	-	-	-	-	-	-
83NTE0025	90° adapter	-	-	-	-	-	-	-
83NTE0026	30mm reductor	-	-	-	-	-	-	-

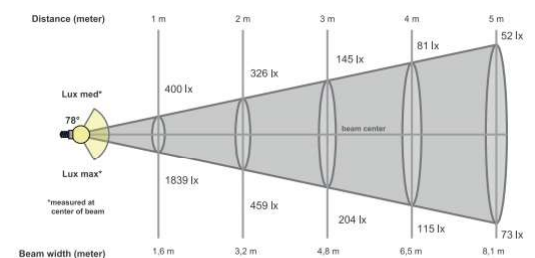


Light scattering type FEF-M-LT 4K



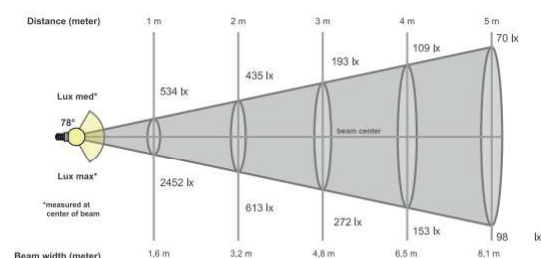
* Calculations made from measurements obtained in the laboratory

Light scattering type FEF-M-LT 6K



* Calculations made from measurements obtained in the laboratory

Light scattering type FEF-M-LT 8K



* Calculations made from measurements obtained in the laboratory



83NTE0026



83NTE0025



NTE Sistemas LED Street light PULSAR

NTE LED Street Light PULSAR

High efficiency street light, elegant and compact design with the best features for street lighting. With symmetric and asymmetric optics according to the needs of the location. Possibility of applying anti-saline or anti-corrosion finishes, for environments with high salinity or atmospheres with corrosive gasses. Protection IP66 and impact resistant IK09, standard color is RAL 7043 dark grey. Integrated IP67 KLASSE I Driver. Input Voltage 95-270Vac, 48-63Hz Power factor $\geq 96\%$. LED 3535 L90B10 with a superior efficiency **up to 194 lm/W**. CRI > 70. Estimated useful life exceeding 100.000 hour. Manufacturers warranty 5 years. Easy installation with 0 - 90° interchangeable position arm. Pole aperture of Ø62 mm. Weight 3,8 kilo. Light angle standard optic symmetric 120° Dimmable (except the 4K). Optional with a motion sensor. Overvoltage protected 20KV. Also available with asymmetrical optics T2 135x60°, T3 135x75°, LD 135x55°, symmetric VSM 150°.

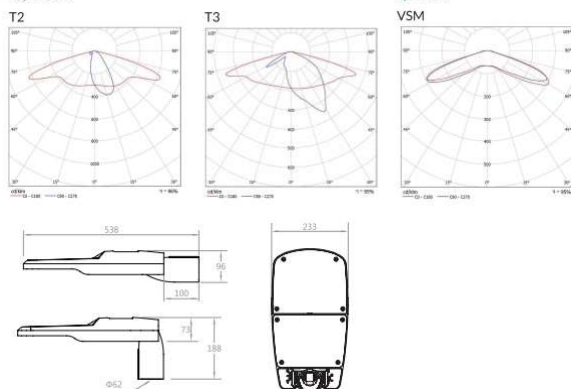
Can be used in combination with the NTE SOLAR KIT

Column Conventional shows the equivalent of a discharge lamp

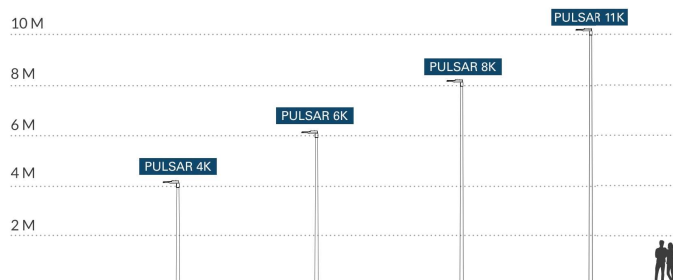
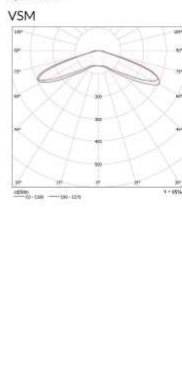


Article No.	Description	Watt LED	Watt Lumen	Flux LED	Flux Lumen	CRI	Color	Equivalence
83NTE0030	Pulsar 4K	24	27	4.084	3.764	74	2200K	100W
83NTE0031	Pulsar 6K	36	40	6.467	5.960	74	2200K	150W
83NTE0032	Pulsar 8K	48	53	8.169	7.685	74	2200K	200W
83NTE0033	Pulsar 11K	70	77	12.641	10.650	74	2200K	300W
83NTE0034	Pulsar 4K	24	27	4.084	3.764	74	2700K	100W
83NTE0035	Pulsar 6K	36	40	6.467	5.960	74	2700K	150W
83NTE0036	Pulsar 8K	48	53	8.169	7.685	74	2700K	200W
83NTE0037	Pulsar 11K	70	77	12.641	10.650	74	2700K	300W
83NTE0038	Pulsar 4K	24	27	4.084	3.764	73	4000K	100W
83NTE0039	Pulsar 6K	36	40	6.467	5.960	73	4000K	150W
83NTE0040	Pulsar 8K	48	53	8.169	7.685	73	4000K	200W
83NTE0041	Pulsar 11K	70	77	12.641	10.650	73	4000K	300W
83NTE0046	Optional motion sensor	-	-	-	-	-	-	-
83NTE00..P	Anti-saline coating	-	-	-	-	-	-	-

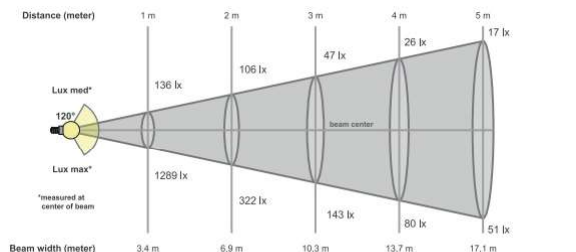
Asymmetric



Symmetric

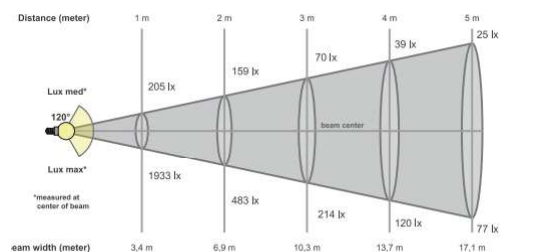


Light scattering type PULSAR 4K



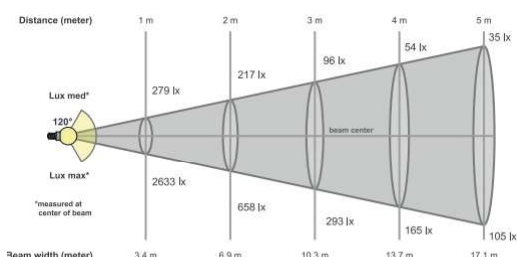
* Calculations made from measurements obtained in the laboratory

Light scattering type PULSAR 8K



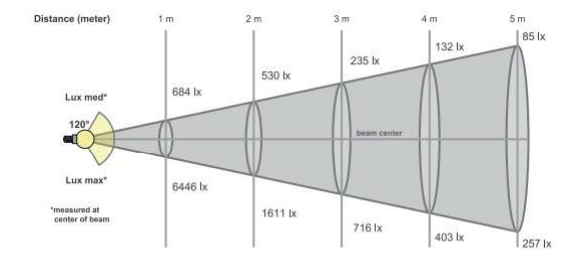
* Calculations made from measurements obtained in the laboratory

Light scattering type PULSAR 6K



* Calculations made from measurements obtained in the laboratory

Light scattering type PULSAR 11K



* Calculations made from measurements obtained in the laboratory

NTE Sistemas LED Street light LEF

NTE LED Street Light LEF

High efficiency street light, elegant and compact design with the best features for street lighting.

With symmetric and asymmetric optics according to the needs of the location.

Possibility of applying anti-saline or anti-corrosion finishes, for environments with high salinity or atmospheres with corrosive gasses.

Protection IP66 and impact resistant IK09, standard color RAL 7043.

Integrated IP67 KLASSE I Driver. Input Voltage 95-270Vac, 48-63Hz. Power factor $\geq 96\%$.

LED 3535 L90B10 with a superior efficiency up to 194 lm/W.

Estimated useful life exceeding 100.000 hour. Manufacturers warranty 5 year.

Easy installation with 0 - 90° interchangeable position arm.

Pole aperture of Ø67,4 mm. Weight 6,2 kilo.

Light angle standard optic symmetric 120°.

Optional with motion sensor.

Overvoltage protected 20KV.

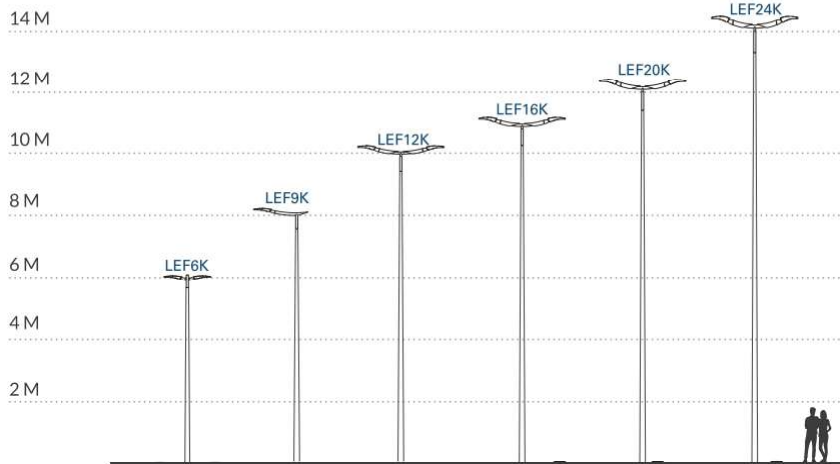
Also available with asymmetric optics T2 135x60°, T3 135x75°, LD 135x55°, symmetric VSM 150°.

It integrates a safety system of electrical disconnection by lid opening.



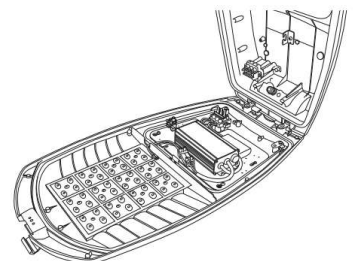
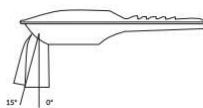
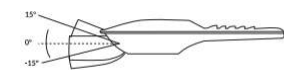
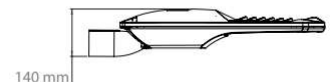
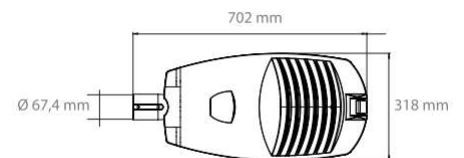
Can be used in combination with the NTE SOLAR KIT
Column Conventional shows the equivalent of a discharge lamp

Article No.	Description	Watt LED	Watt Lumen	Flux LED	Flux Lumen	CRI	Color	Equivalence
83NTE0120	LEF 9K	48	53	9297	8657	74	2200K	195W
83NTE0121	LEF 12K	72	80	12933	12043	74	2200K	300W
83NTE0122	LEF 16K	96	105	17631	16418	74	2200K	370W
83NTE0123	LEF 20K	120	130	21133	19679	74	2200K	440W
83NTE0124	LEF 24K	144	157	25866	24087	74	2200K	540W
83NTE0110	LEF 9K	48	53	9297	8657	74	2700K	195W
83NTE0111	LEF 12K	72	80	12933	12043	74	2700K	300W
83NTE0112	LEF 16K	96	105	17631	16418	74	2700K	370W
83NTE0113	LEF 20K	120	130	21133	19679	74	2700K	440W
83NTE0114	LEF 24K	144	157	25866	24087	74	2700K	540W
83NTE0100	LEF 9K	48	53	9297	8657	73	4000K	195W
83NTE0101	LEF 12K	72	80	12933	12043	73	4000K	300W
83NTE0102	LEF 16K	96	105	17631	16418	73	4000K	370W
83NTE0103	LEF 20K	120	130	21133	19679	73	4000K	440W
83NTE0104	LEF 24K	144	157	25866	24087	73	4000K	540W
83NTE0066	Optional motion sensor	-	-	-	-	-	-	-
83NTE00..P	Including optional anti-saline coating	-	-	-	-	-	-	-



Light Pollution

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



NTE Sistemas LED Street light LEF-LT

NTE LED Street Light LEF-LT

High efficiency street light, elegant and compact design with the best features for street lighting.

With symmetric and asymmetric optics according to the needs of the location. Possibility of applying anti-corrosion finishes, for environments with high salinity or atmospheres with corrosive gasses.

Protection IP66 and impact resistant IK09, standard color RAL 9007.

Integrated IP67 KLASSE I Driver. Input Voltage 95-270Vac, 48-63Hz Power factor $\geq 96\%$.

LED 3535 L90B10 with a superior efficiency up to **194 lm/W**. CRI > 70.

Estimated useful life exceeding 100.000 hour. Manufacturers warranty 5 year.

Easy installation with 0 - 90° interchangeable position arm.

Pole aperture of Ø60 mm. Weight 4,6 kilo.

Light angle standard optic symmetric 120°.

Dimmable (except the 4K). Optional with motion sensor.

Overvoltage protected 20KV.

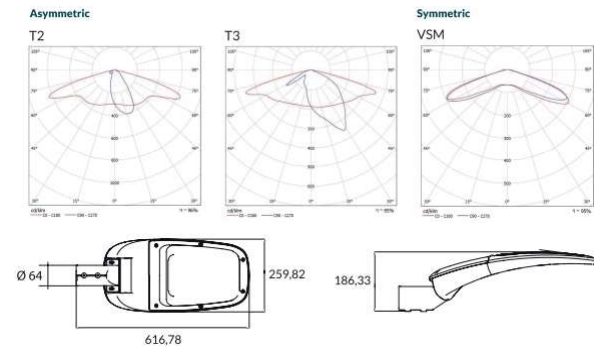
Also available with asymmetric optics T2 135x60°, T3 155x60°, LD 150x45°

It integrates a safety system of electrical disconnection by lid opening.

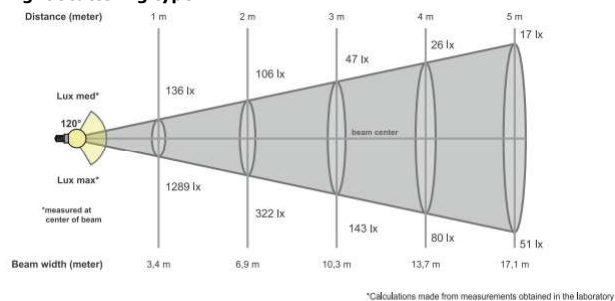


Can be used in combination with the NTE SOLAR KIT
Column Conventional shows the equivalent of a discharge lamp

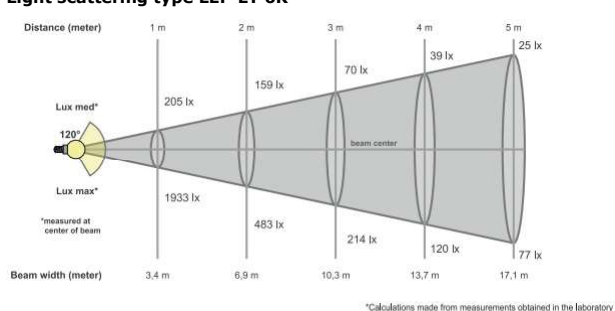
Article No.	Description	Watt LED	Watt Lumen	Flux LED	Flux Lumen	CRI	Color	Equivalence
83NTE0050	LEF-LT 4K	24	27	4.084	3.803	74	2200K	100W
83NTE0051	LEF-LT 6K	36	40	6.467	6.022	74	2200K	150W
83NTE0052	LEF-LT 9K	48	53	9.297	8.657	74	2200K	200W
83NTE0053	LEF-LT 12K	72	80	12.933	12.043	74	2200K	300W
83NTE0054	LEF-LT 4K	24	27	4.084	3.803	74	2700K	100W
83NTE0055	LEF-LT 6K	36	40	6.467	6.022	74	2700K	150W
83NTE0056	LEF-LT 9K	48	53	9.297	8.657	74	2700K	200W
83NTE0057	LEF-LT 12K	72	80	12.933	12.043	74	2700K	300W
83NTE0058	LEF-LT 4K	24	27	4.084	3.803	73	4000K	100W
83NTE0059	LEF-LT 6K	36	40	6.467	6.022	73	4000K	150W
83NTE0060	LEF-LT 9K	48	53	9.297	8.657	73	4000K	200W
83NTE0061	LEF-LT 12K	72	80	12.933	12.043	73	4000K	300W
83NTE0066	Optional motion sensor	-	-	-	-	-	-	-
83NTE00..P	Including optional anti-saline coating	-	-	-	-	-	-	-



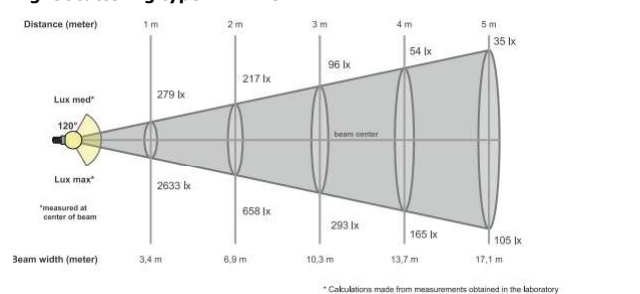
Light scattering type LEF-LT 4K



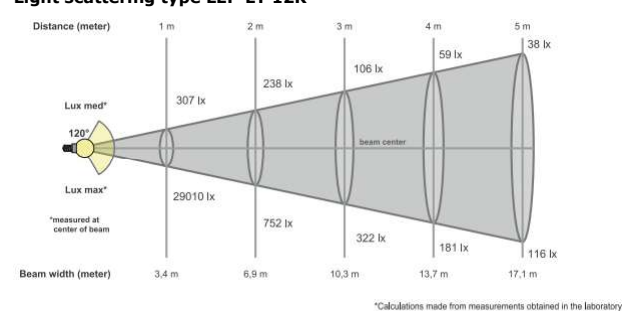
Light scattering type LEF-LT 6K



Light scattering type LEF-LT 9K



Light scattering type LEF-LT 12K



NTE Sistemas LED Street light FEF

NTE LED Street Light FEF

High efficiency street light, elegant and compact design with the best features for street lighting.

With asymmetric optics according to the needs of the location.

Possibility of applying anti-saline anti-corrosion finishes, for environments with high salinity or atmospheres with corrosive gasses.

Protection IP66 and impact resistant IK08, standard color RAL 7012.

Integrated IP66 KLASSE II Driver. Input Voltage 95-270Vac, 48-63Hz

Power factor $\geq 96\%$.

LED COB 2.0 L80B10 with a superior efficiency **up to $>155 \text{ lm/W}$** . CRI >70 .

Estimated useful life exceeding 60.000 hour. Manufacturers warranty 5 years.

Pole aperture of $\varnothing 52,5\text{mm}$.

To use in ambient temperatures from -40°C to $+60^{\circ}\text{C}$.

Standard dimmable 1-10V. Optional DALI, RMS, Double Level, Motion Sensor.

Light optic $135^{\circ} \times 60^{\circ}$ FHS $<1\%$

Overvoltage protection 20KV.

Can be used in combination with the NTE SOLAR KIT

Column Conventional shows the equivalent of a discharge lamp



Article No.	Description	Watt LED	Watt Lumen	Flux LED	Flux Lumen	CRI	Color	Equivalence
83NTE0070	FEF-3K	20	22	3.524	3.146	>80	2200K	$>75\text{W}$
83NTE0071	FEF-6K	38	42	6.155	5.495	>80	2200K	150W
83NTE0076	FEF-3K	20	22	3.524	3.313	>80	2700K	$>75\text{W}$
83NTE0077	FEF-6K	38	42	6.155	5.785	>80	2700K	150W
83NTE0082	FEF-3K	20	22	3.524	3.313	>80	4000K	$>75\text{W}$
83NTE0083	FEF-6K	38	42	6.155	5.785	>80	4000K	150W
83NTE00..P	Anti-saline coating 3/6K	-	-	-	-	-	-	-

10 M

8 M

6 M

4 M

2 M

FEF 3K

FEF 6K



CERTIFICADO POR ENTIDAD ACREDITADA POR:
CERTIFIED BY ENTITY ACREDITED BY:
CERTIFICADO POR ENTIDAD ACREDITADA POR:



FEF
3K 6K



Light Pollution

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

The FEF is only available in Optic T2

Dimensions FEF 3K / 6K



NTE Sistemas LED Urban Street light GEF

NTE LED Urban Street Light GEF series

The GEF series LED luminaires to use in urban areas with a great appearance to use in streets, gardens and parks. The luminaires are available in several lenses and in the light colors 4000K, 2700K, 2200K and Amber.

Symmetric optics are available in 120° and 150° and Asymmetric lenses in 4 different variations. The luminaires are equipped with the high quality NTE LED 3535 L90B10 with an estimated lifespan of >100.000 hour and a CRI of >70.

Installation is simple due to the 90° adjustable arm. High quality RAL 9007 powder coating for an optimal protection of the body. Optional can the body be equipped with a special anti-saline coating for use in coastal areas.

The luminaires are IP66 and IK09 protected and class I with 1-10V regulation for dimming.

Many other options are possible such as a breather valve.

Characteristic is the low energy consumption of the luminaire with a light output (depending on type and model) from 170 Lm/W up to **194 Lm/W**. CRI >70.

Light output from 3.803 lumen up to 16.418 lumen (real value).

The luminaires can be used for heights of 6 to 12 meter.

An integrated safety system disconnect the electricity immediately when the luminaire body will be opened.

For ambient temperatures -40° ~ 60°C.

Standard 5 year factory warranty and optional up to 10 year.

Voltage 95-270 Vac, 48-63 Hz, Power factor ≥ 96% (cos φ ≥ 0,96). Surge protection 20 kV.

Can be used in combination with the NTE SOLAR KIT

Column Conventional shows the equivalent of a discharge lamp

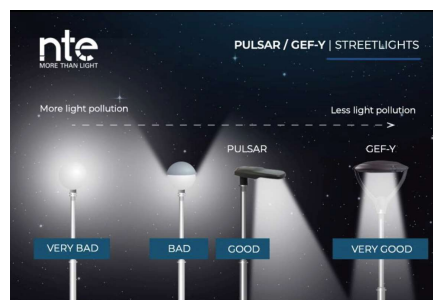
Article No.	Description	Watt LED	Watt Lumen	Flux LED	Flux Lumen	Color	Equivalence
83NTE500040	GEF-Y 6K	36	40	6.467	6.022	4000K	135W
83NTE500140	GEF-Y 9K	48	53	9.297	8.657	4000K	195W
83NTE500240	GEF-Y 12K	72	80	12.933	12.043	4000K	270W
83NTE500340	GEF-Y 16K	96	105	17.631	16.418	4000K	370W
83NTE500027	GEF-Y 6K	36	40	6.467	6.022	2700K	135W
83NTE500127	GEF-Y 9K	48	53	9.297	8.657	2700K	195W
83NTE500227	GEF-Y 12K	72	80	12.933	12.043	2700K	270W
83NTE500327	GEF-Y 16K	96	105	17.631	16.418	2700K	370W
83NTE500022	GEF-Y 6K	36	40	6.467	6.022	2200K	135W
83NTE500122	GEF-Y 9K	48	53	9.297	8.657	2200K	195W
83NTE500222	GEF-Y 12K	72	80	12.933	12.043	2200K	270W
83NTE500322	GEF-Y 16K	96	105	17.631	16.418	2200K	370W

Article No.	Description	Watt LED	Watt Lumen	Flux LED	Flux Lumen	Color	Equivalence
83NTE501040	GEF-P 6K	36	40	6.467	6.022	4000K	135W
83NTE501140	GEF-P 9K	48	53	9.297	8.657	4000K	195W
83NTE501240	GEF-P 12K	72	80	12.933	12.043	4000K	270W
83NTE501340	GEF-P 16K	96	105	17.631	16.418	4000K	370W
83NTE501027	GEF-P 6K	36	40	6.467	6.022	2700K	135W
83NTE501127	GEF-P 9K	48	53	9.297	8.657	2700K	195W
83NTE501227	GEF-P 12K	72	80	12.933	12.043	2700K	270W
83NTE501327	GEF-P 16K	96	105	17.631	16.418	2700K	370W
83NTE501022	GEF-P 6K	36	40	6.467	6.022	2200K	135W
83NTE501122	GEF-P 9K	48	53	9.297	8.657	2200K	195W
83NTE501222	GEF-P 12K	72	80	12.933	12.043	2200K	270W
83NTE501322	GEF-P 16K	96	105	17.631	16.418	2200K	370W

Article No.	Description	Watt LED	Watt Lumen	Flux LED	Flux Lumen	Color	Equivalence
83NTE502040	GEF 6K	36	40	6.467	6.022	4000K	135W
83NTE502140	GEF 9K	48	53	9.297	8.657	4000K	195W
83NTE502240	GEF 12K	72	80	12.933	12.043	4000K	270W
83NTE502340	GEF 16K	96	105	17.631	16.418	4000K	370W
83NTE502027	GEF 6K	36	40	6.467	6.022	2700K	135W
83NTE502127	GEF 9K	48	53	9.297	8.657	2700K	195W
83NTE502227	GEF 12K	72	80	12.933	12.043	2700K	270W
83NTE502327	GEF 16K	96	105	17.631	16.418	2700K	370W
83NTE502022	GEF 6K	36	40	6.467	6.022	2200K	135W
83NTE502122	GEF 9K	48	53	9.297	8.657	2200K	195W
83NTE502222	GEF 12K	72	80	12.933	12.043	2200K	270W
83NTE502322	GEF 16K	96	105	17.631	16.418	2200K	370W

Breather valve:

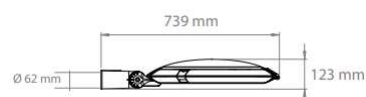
Compensating valve that equals the interior/exterior pressure of the luminaire by means of the air inlet/outlet, thereby prolonging the life of the joints and internal elements, reducing the temperature and preventing the entry of moisture that can produce condensation. (Optional).



Extreme low light pollution:

Light pollution is a huge problem. Most artificial light spreads out to the night sky and prevent to have a dark sky. The design of the NTE 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.

With this we work together to get the dark night sky back where stars are visible again and nature will not be disturbed by this scattered light.



NTE Sistemas LED Urban Street light ROUND POLE

NTE LED Urban Street Light ROUND POLE

The ROUND POLE series LED luminaires to use in urban areas with a great appearance to use in streets, gardens and parks.

The luminaires are available in several lenses and in the light colors 4000K, 2700K, 2200K and Amber. Symmetric optics are available in 120° and 150° and Asymmetric lenses in 4 different variations.

The luminaires are equipped with the high quality NTE LED 3535 L90B10 with an estimated lifespan of >100.000 hour and a CRI of >70.

Installation is simple with the Ø 89mm pole connection. High quality RAL 7043 powder coating for an optimal protection of the body. Optional can the body be equipped with a special anti-saline coating for use in coastal areas.

The luminaires are IP66 and IK08 protected and class I with 1-10V regulation for dimming. Many other options are possible. Different lenses are possible.

Characteristic is the low energy consumption of the luminaire with a light output (depending on type and model) from **139 Lm/W up to 159 Lm/W**. Light output 3.891 lumen up to 11.650 lumen (real values). CRI >70.

The luminaires can be used for heights of 6 to 10 meter.

Power factor ≥ 96% (cos φ ≥ 0,96) Voltage 95-270 Vac 48-63 Hz.

Manufacturers warranty is 5 years.

For ambient temperatures -40° ~ 60°C.



Can be used in combination with the NTE SOLAR KIT
Column Conventional shows the equivalent of a discharge lamp

Article No.	Description	Watt LED	Watt Lumen	Flux LED	Flux Lumen	Color	Equivalence
83NTE510040	Round Pole 25	25	28	4.222	3.891	4000K	100W
83NTE510140	Round Pole 35	35	39	6.320	5.825	4000K	135W
83NTE510240	Round Pole 50	50	56	9.316	8.859	4000K	195W
83NTE510340	Round Pole 70	70	78	12.641	11.650	4000K	270W
83NTE510027	Round Pole 25	25	28	4.222	3.891	2700K	100W
83NTE510127	Round Pole 35	35	39	6.320	5.825	2700K	135W
83NTE510227	Round Pole 50	50	56	9.316	8.859	2700K	195W
83NTE510327	Round Pole 70	70	78	12.641	11.650	2700K	270W
83NTE510022	Round Pole 25	25	28	4.222	3.891	2200K	100W
83NTE510122	Round Pole 35	35	39	6.320	5.825	2200K	135W
83NTE510222	Round Pole 50	50	56	9.316	8.859	2200K	195W
83NTE510322	Round Pole 70	70	78	12.641	11.650	2200K	270W



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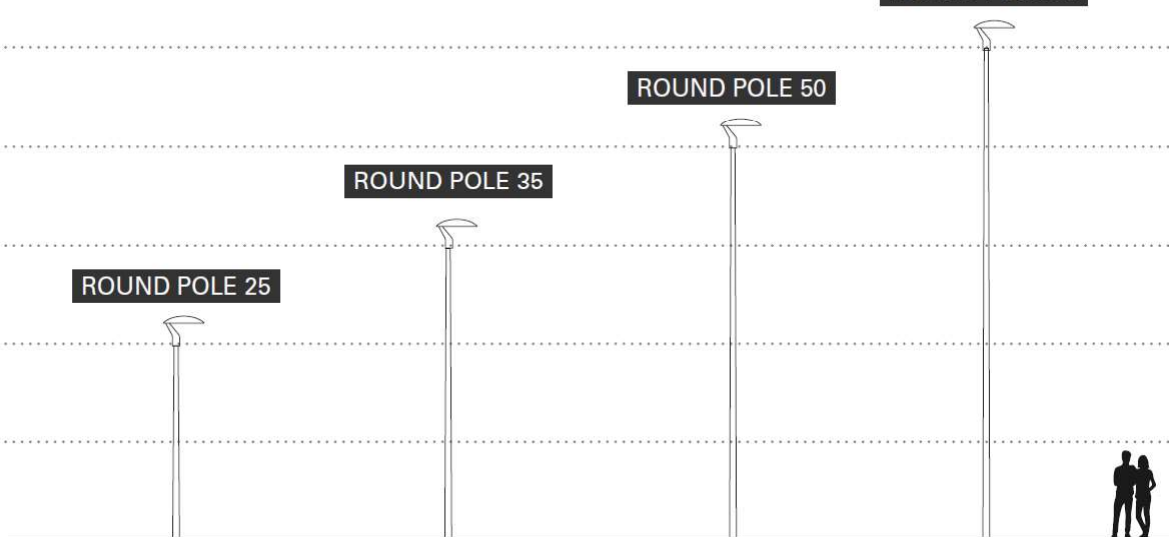
2 M

ROUND POLE 70

ROUND POLE 50

ROUND POLE 35

ROUND POLE 25

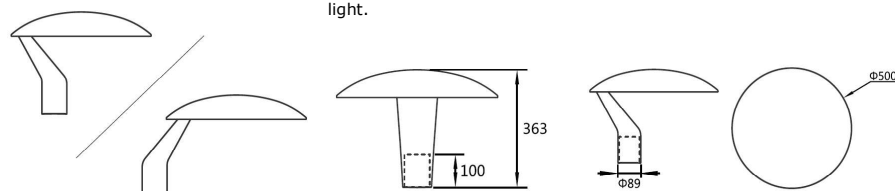


Extreme low light pollution:

Light pollution is a huge problem. Most artificial light spreads out to the night sky and prevent to have a dark sky.

The design of the NTE 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.

With this we work together to get the dark night sky back where stars are visible again and nature will not be disturbed by this scattered light.



ROUND WALL



Also available as ROUND WALL version.