NEWLAVIE LIGHTING

LED STREET LIGHT
MODEL : T12A

APPLICATIONS

· Roadway lighting
(Urban roads, residential areas, overpasses…)
· Public areas lighting
(Theme parks, squares, parking lots…)

SPECIFICATION

Electrical Protection:	Class II
Input Voltage:	100 ~ 277Vac
Input Frequency:	50 / 60Hz
Power Factor(PF):	0.95
Surge Protection Level:	5kV line-line
Operating Environment:	-40℃~+50℃, 10% ~ 90% RH
Color Temperature (CCT)*:	3000K, 4000K, 5000K, 5700K
Color Rendering Index (CRI):	≥70
Housing:	Die-cast Aluminium
IP Rating of LED Light Engine:	IP68
IP Rating of luminaries:	IP66
Warranty	5 Years Limited

FINISHING COLORS

	Gray		Black
	White		Blue

FEATURES

Construction

· Die-cast aluminum housing.
· Die-cast latches provide easy, tool-less access to the electrical compartment.
Unique patented IP68 (highest protection level) LED light engines.
· IP66 rated engine compartment sealed with tempered glass.

Distribution

· Ergonomic and dedicated lighting distributions are available for various roadway applications.

Control

· Optional NEMA receptacle & photocell/shorting cap.

Mounting

· -15°~+15° adjustable in steps of 3°.

PHOTOS

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177 Park Ave, #200, San Jose CA 95113

www.newlavie.com

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ORDERING INFORMATION

Example: T12A-2-120-M7C-XBH-24-1941-7040-CM-IN-GY

Luminary Type		Module Qty.		System Power			LED Module Type	Module Interface Type	LED Package		Cable Standard		LED Qty. per module
T	Street light	**1**	1pcs LED module	**30**	30W		**M7A** M7A module	**X**	**A**	3535	**A**	CCC+VDE	**8** 8pcs
12A	12A series	**2**	2pcs LED modules	**40**	40W		**M7B** M7B module	X type groove	**B**	5050	**C**	PSE	**9** 9pcs
		4	4pcs LED modules	**…**			**M7C** M7C module		**C**	3030	**H**	UL	**18** 18pcs
				240	240 W		**M7D** M7D module				**X**	OTHER	**24** 24pcs
													36 36pcs
													90 90pcs

Lens Code				CRI &CCT	Brand of LEDs	Driver Brand	Housing Color
1991	Type I Short	**5892** Type II Short	**1972** Type II Short	**7030** Ra≥70, 3000K	**LU** LUMILEDS	**IN**	**BK** Black
1981	Type I Short	**5882** Type II Short	**1973** Type III Short	**7040** Ra≥70, 4000K	**LN** LUMINUS	INVENTRONICS	**WH** White
1941	Type I Short	**2841** Type I Short		**7050** Ra≥70, 5000K	**CM**	**XX** OTHER	**BU** Blue
1961	Type I Short	**2861** Type I Short		**7057** Ra≥70, 5700K	CUSTOMIZATION		**GY** Gray
1967	Type I Short	**2441** Type III Shoet			**XX** OTHER		
1969	Type II Short	**2442** Type IV Short					
2967	Type II Short	**2462** Type I Medium					
2968	Type I Short						
5050 LEDs		**3535 LEDs**	**3030 LEDs**				

PERFORMANCE

Model	Power (W)	5050 LEDs-18pcs		5050 LEDs-8pcs		3535 LEDs-18pcs		3535 LEDs-9pcs			
		Efficacy (lm/W)	Lumens (lm)	Efficacy (lm/W)	Lumens (lm)	Efficacy (lm/W)	Lumens (lm)	Efficacy (lm/W)	Lumens (lm)		
T12A-1	30	143	4,290	113	3,390	113	3,390	100	3,000		
Model	**Power (W)**	**5050 LEDs-36pcs**		**5050 LEDs-24pcs**		**3535 LEDs-36pcs**		**3535 LEDs-24pcs**		**3030 LEDs-90pcs**	
		Efficacy (lm/W)	Lumens (lm)	Efficacy (lm/W)	Lumens (lm)	Efficacy (lm/W)	Lumens (lm)	Efficacy (lm/W)	Lumens (lm)	Efficacy (lm/W)	Lumens (lm)
T12A-1	40	153	6,120	143	5,720	123	4,920	115	4,600	126	5,040
	50	148	7,400	138	6,900	118	5,900	110	5,500	124	6,200
	60	143	8,580	133	7,980	113	6,780	105	6,300	121	7,260
T12A-2	80	160	12,800	150	12,000	128	10,240	120	9,600	133	10,640
	100	153	15,300	143	14,300	123	12,300	115	11,500	130	13,000
	120	150	18,000	138	16,560	118	14,160	110	13,200	127	15,240
T12A-4	160	158	25,280	148	23,680	125	20,000	118	18,880	131	20,960
	200	150	30,000	140	28,000	120	24,000	113	22,600	128	25,600
	240	147	35,280	135	32,400	115	27,600	108	25,920	125	30,000

Above values are calculated based on the product with CCT over 3000K, values of 3000K are 5% lower than above values.

*Values shown are subject to ±5%~±8% tolerance.

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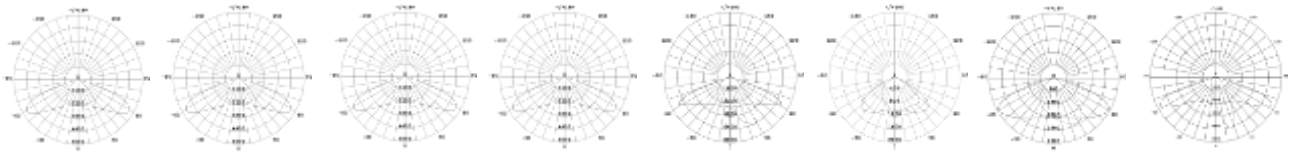
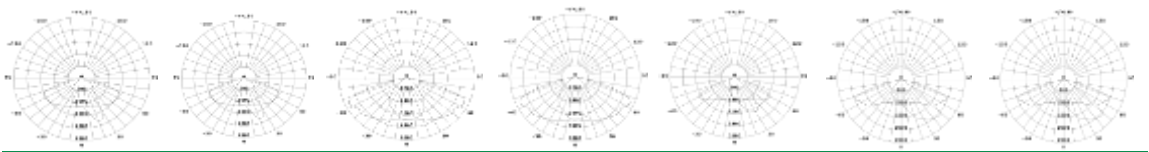
DISTRIBUTIONS

5050 LEDs



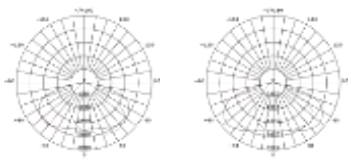
T1S1991 M7A	T1S1981 M7B	T1S1941 M7C	T1S1961 M7D	T1S1967 M7D	T2S1969 M7D	T2S2967 M7D	T1S2968 M7D

3535 LEDs



T2S5892 M7A	T2S5882 M7B	T1S2841 M7C	T1S2861 M7D	T3S2441 M7C	T4S2442 M7C	T1M2462 M7D

3030 LEDs



T2S1972	T3S1973

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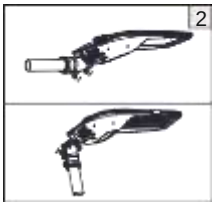
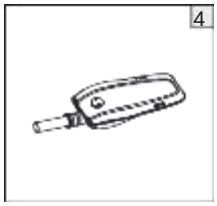
INSTALLATION

1. Thread the AC input cable through the mounting tube. Install the mounting tube onto the pole arm by tightening up the two screws.



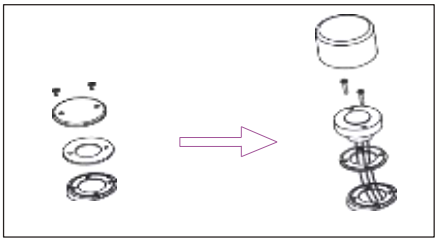
2. Thread the AC input cable though the hole at rear. (side-entry or post-top)
Fixate the fixture onto the mounting tube at right elevation angle with four screws.

3. Open the side clips. Pick up the support rod on the side and hook it onto the upper cover at a mounting hole. Connect the AC wires to the terminal blocks correctly.



4. Close the cover and tighten up the side clips.

INSTALLATION OF NEMA RECEPTACLE AND PHOTOCELL



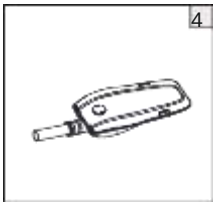
1. Undo the two screws to remove the round cover and its white sealing washer.
2. Thread the wires of the receptacle through the black sealing washer into the electrical compartment of luminaire. Keep the screw holes in alignment among the receptacle, sealing ring and luminaire, and fixate the receptacle with two M4x25 cross recessed countersunk head screws.
3. Plug in and fasten the photocell. Connect the wires in the electrical compartment.

MAINTENANCE

1. Open the side clips and then the upper cover. Unplug and disconnect the wires at the terminals.

2. Lift the upper cover to its perpendicular position to the lower base. Draw out the whole upper part to upper left direction (as the arrowhead points).

3. Disconnect the modules from the driver at the terminals. Und othe M3x6 cross recessed countersunk head screws on modules and M4x10 cross recessed pan head screws on cable clip. Replace with new modules.



4. Install every components back, and tighten up the side clips in the end.

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WIRING

Power Supply End	Earth wire	Neutral wire	Live wire
Fixture End	Yellow-green lead	Blue lead	Brown lead
	Green lead	White lead	Black lead

CAUTION

a. Disconnect or turn off power before installation, maintenance and wiring.

b. Cable connection must be insulated and waterproof.
It is possible that the glass applied in this luminarie breaks into small pieces.

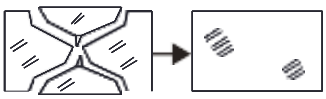
c. Working environment of the glass:-40°C~+160°C. ; Maximum temperature rise of the glass:160°C

d. The light source of this luminaire is not replaceable. When the light source's lifetime comes to an end, it is the whole luminaire that should be replaced.

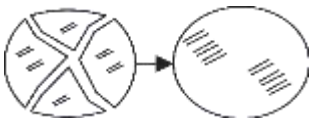
Warning: Danger! Electric shock risk!
(via IEC 60417-6042（2011-11）)

For luminaires with glass cover: The broken cover should be replaced.

Rectangle



Round



The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling

REMARKS

1. This luminaire uses permanent connection on power supply with flexible cable and wires (60245 IEC57). Sufficient length of cable is reserved for connection to AC power. Protection over the connection joint andelimination of tensile force there should be ensured.ufficient.
2. This luminaire uses type Y attachment: method of attachment of the cable or cord such that any replacement can only be made by the manufacturer, his service agent or similarly qualified person.
3. Wiring: the connection to AC power should be operated on terminal blocks in a wiring box with a degree of protection at least equivalent to the luminaire, and there should be devices to fixate wires.
4. The luminaire can be mounted onto ordinary combustible surfaces.

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