



V1: LDA-15/01/17

BBE® LED Roadway Lighting Luminaire
***LENDA™* series**



LEND A



Performance Data:

- | | |
|---|---|
| <ul style="list-style-type: none">• Input Voltage: 220-240Vac / 120-277Vac 50/60Hz• Wattage: 28-215W• LED efficiency: >130lm/W @ 700mA• Luminaire: >110lm/W @700mA or 95lm/W @1050mA• Calculated L70>100,000h @ Ta 25°C (77°F) | <ul style="list-style-type: none">• Color Temperature: 4000K / 5000K (+/-300K)• CRI: 70min• PF≥0.95, THD≤15%• Work Temp.: -40~50°C (-40~122°F)• Warranty: 5 years limited |
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Features and Specifications

Application

LEND A series luminaire is designed for roadway lighting for pedestrian and alley ways, streets and highways. Area and site lighting for parking lot, playground, sport area, campuses etc. Available to replace traditional MH or HPS luminaires up to 400W.

Construction

Robust die-cast aluminum housing with corrosion resistant epoxy primer ultra-durable powder coating finish providing excellent resistance to corrosion, ultraviolet degradation and abrasion, salt spray tested.

Standard finish is in grey color. Black, white or customs color is upon request.

Free air-flow through finned heat sink design provides perfect heat management, and guarantee the Tc temperature of LED chip less than 60C @ Ta=25C & 700mA driving or 70C @ Ta=25C & 1050mA driving for long lifespan of the LED.

Modular design optimizes construction and assembly, allows for easy maintenance and upgrade.

Tool-less latches release the top driver door for easy access to the electrical compartment and the quick disconnect WAGO connectors make easy maintenance and installation.

The unique spigot for both post-top and side-entry mounting system fitted to 40-60mm (O.D.) poles and mast-arms accommodates safety and stability, capable of being adjusted the degree of 0, +5, +10 for post-top mounting and the degree of +15, +10, +5, 0, -5, -10 for side-entry mounting.

Optional bubble gage is included for leveling.

The ultra-clean tempered glass sealed optical assembly and the electrical compartment meet dust and moisture rating of IP65 per IEC60529, ranking IK08 per EN62262, ensure long life and protection from the environment.

LED & Optics

Advanced CREE LED technology is applied for high efficiency and long life (Calculated L70>100,000h @ Ta=25C/77F). IESNA LM80 approved and LM79 tested.

Pure white 5000K (4700-5300K) & Natural white 4000K (3700-4300K) with CRI>70, allowed by ANSI C78.377. Up to 110lm/W @ 700mA is available.

Multi fitted square optic lens with the ultra-clear tempered glass in IESNA Type 2M full cut-off optics system provides high uniformity and optimal luminaire spacing, optimizes the light distribution, eliminate the waste of light, promotes the reasonable and effective using of light.

Electronics

Philips Advance universal driver is available in 220-240Vac or 120-277Vac, 50/60Hz, power factor ≥ 0.95 and THD $\leq 15\%$ at full load. Class I output.

MEANWELL or INVETRONICS drivers are optional, Class II is optional

Current Selector is optional for 350mA, 530mA, 700mA & 1050mA.

10KV/10KA surge protection device is allowed for protection to the thunder and electricity fluctuation.

0-10V dimming , PWM, DALI dimming is optional, control by others.

Tool-less 360 degree rotatable twist-lock photocell control ANSI C136.10 compliant in 3-wire, 5-wire or 7-wire is available for options.

Listing

CE, CB, ENEC approved (pending). RoHS compliant.

Warranty

5 years limited.

Ordering information:

Example: LDA24-ES5K2MC5-CS



Series	#of LED	-	Voltage	LED driving current	CCT	Optics	LED	-	Options
LDA	12	-	E	S	5K	2M	C5	-	CS
LDA (LEDA series)	12 16 24 36 48 60		E: 220-240Vac U: 120-277Vac	H: 1050mA S: 700mA M: 525mA L: 350mA	4K: 4000K 5K: 5000K	2M	C4: CREE XTE C5: CREE XPG2		PR: ANSI 3-wire photocell receptacle P5: ANSI 5-wire photocell receptacle P7: ANSI 7-wire photocell receptacle PC: photocell control CS: current selector

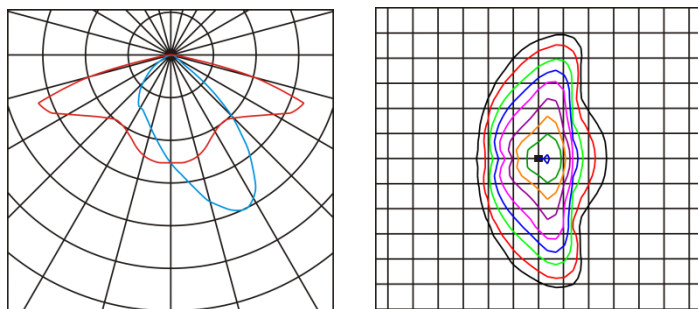
*Consult your sales representative for the options, the lead time will be varied depending on the options selected.

*Grey color is factory standard, custom colors are available upon request.

Electrical Data:

Name		 LEDA mini			 LEDA		
Model #		LDA12	LDA16	LDA24	LDA36	LDA48	LDA60
Number of LEDs		12	16	24	36	48	60
Rated Power (W) @ LED drive current (mA)	1050mA	45W	60W	90W	130W	175W	215W
	700mA	28W	36W	55W	80W	110W	135W
	530mA	21W	27W	42W	60W	83W	102W
	350mA	14W	18W	28W	40W	55W	68W

Optical & Photometric Data

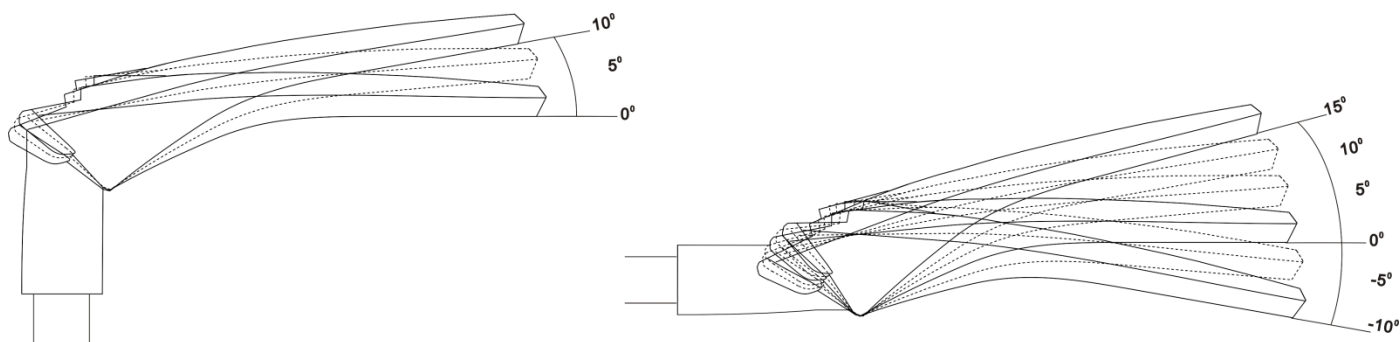


2M is designed per IES Type II

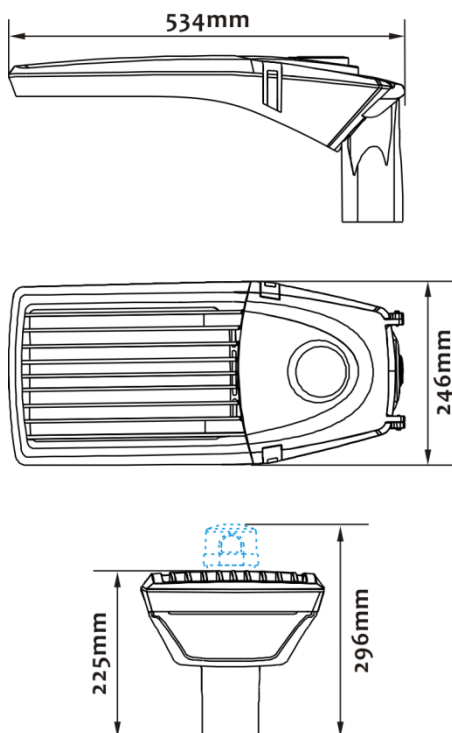
Cat. No.	Driver current (mA)	CCT	Rated Lumen (lm)	Rated Power (W)	Efficiency (LPW)	L70 @25 °C	Driver Life @25 °C
LDA12	1050	4000K/5000K	4500	45	100	>100,000h	>100,000h
LDA12	700	4000K/5000K	3080	28	110	>100,000h	>100,000h
LDA16	1050	4000K/5000K	5800	60	97	>100,000h	>100,000h
LDA16	700	4000K/5000K	4000	36	111	>100,000h	>100,000h
LDA24	1050	4000K/5000K	8500	90	95	>100,000h	>100,000h
LDA24	700	4000K/5000K	5800	55	105	>100,000h	>100,000h
LDA36	1050	4000K/5000K	13000	130	100	>100,000h	>100,000h
LDA36	700	4000K/5000K	9200	80	115	>100,000h	>100,000h
LDA48	1050	4000K/5000K	17500	175	100	>100,000h	>100,000h
LDA48	700	4000K/5000K	12500	110	114	>100,000h	>100,000h
LDA60	1050	4000K/5000K	21000	215	98	>100,000h	>100,000h
LDA60	700	4000K/5000K	15000	135	111	>100,000h	>100,000h

*The above data is rated lumen and power, the real tested data will be something different, due to the rapid and continuous advances in LED technology. LED luminaire data is subject to change without notice.

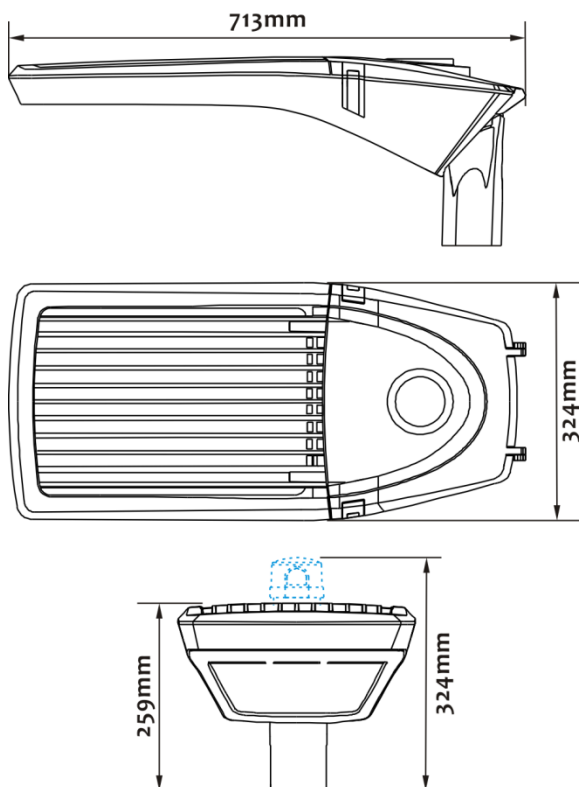
Mounting:



Post-top mounting

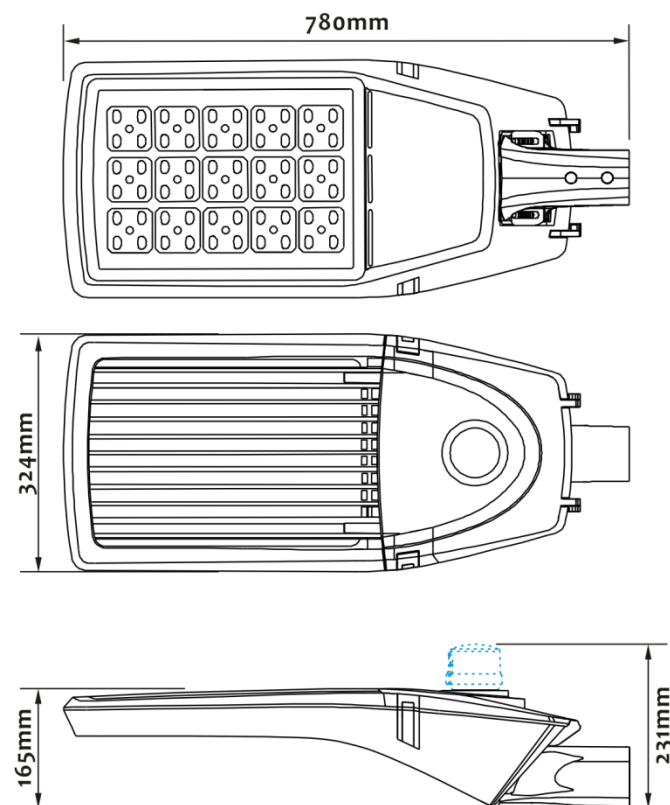
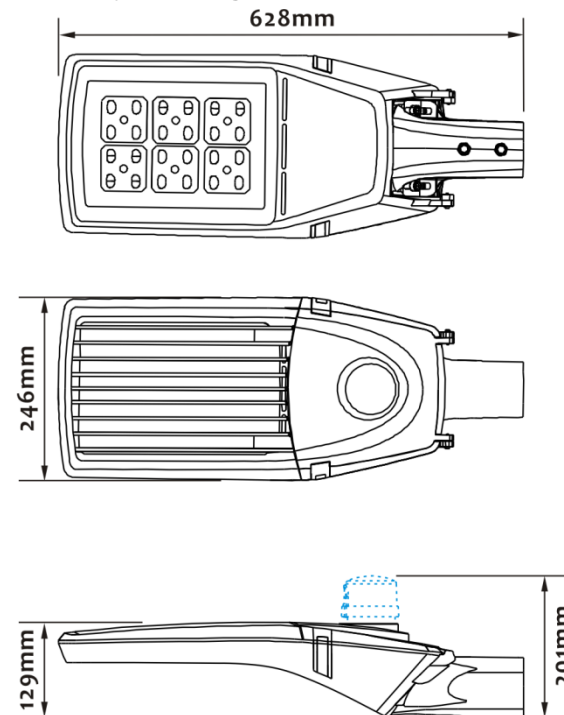


Weight: 6.9kg (15.21lb)



Weight: 13.1kg (28.88lb)

Side-entry mounting



BBE LED reserves the right to change specifications and dimensions without notice. Lamp and electrical specifications /availability subject to change by manufacturer without notice. Please refer to detailed specification sheets for additional information and spec details.

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