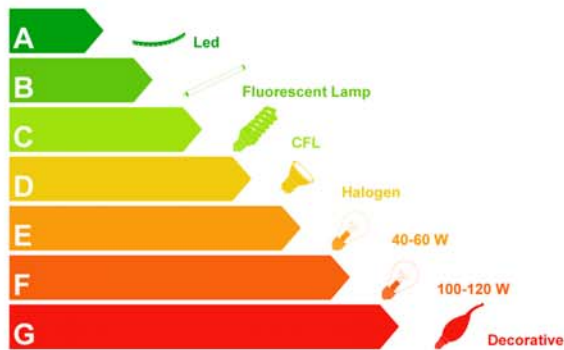


# Outdoor Luminaires

Street Lights/ Bay Lights/ Flood Lights



## ENERGY CONSUMPTION



## HIGHER EFFICIENCY & LONGER LIFE

LED lights are known to last for more than 100,000 hours which is easily 100 times longer than incandescent, halogen and compact fluorescent lights. LED lighting saves upto 90% energy as opposed to incandescent or halogen lighting. For example, a 5W LED bulb generates as much light as an 9W CFL or a 35W halogen and saves upto 80% in the bargain!

For a sustainable future, LED lights are the only way forward!



At Punchline Energy we believe in using only the best raw materials for our products. With us, certified LEDs, efficient power electronics and optimal thermal management are a given!

## OVERALL SPECIFICATIONS

Model - Power Rating	PE15W	PE20-40W	PE40-60W	PE60-100W	PE100-200W
Operating Voltage	110V - 270V AC or 12/24/48V DC				
No. of LED Chipsets	15	20 - 40	40 - 60	60 - 100	100 - 200
Operating Temperature	-20° C to 60° C	-20° C to 60° C	-20° C to 60° C	-20° C to 60° C	-20° C to 60° C
Working Humidity	< 95 %	< 95 %	< 95 %	< 95 %	< 95 %
Power Efficiency	> 80 %	> 80 %	> 80 %	> 80 %	> 80 %
Ideal Mounting Height (m)	4 m	4 - 5 m	5 - 6 m	8 - 9 m	10 - 12 m

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## LED

Model - Power Rating	PE15W	PE20-40W	PE40-60W	PE60-100W	PE100-200W
Lumens Output	1200	2400 - 4800	4800 - 7200	7200 - 12000	12000 - 24000
Colour Temperature	6500 K	6500 K	6500 K	6500 K	6500 K
Beam Angle	> 120° /60 x 120	> 120° /60 x 120	> 120° /60 x 120	> 120° /60 x 120	> 120° /60 x 120
CRI	> 70 Ra	> 70 Ra	> 70 Ra	> 70 Ra	> 70 Ra
Flux Lux	15 - 20	20 - 25	25 - 35	25 - 35	25 - 35

## POWER ELECTRONICS

Model - Power Rating	PE15W	PE20-40W	PE40-60W	PE60-100W	PE100-200W
Frequency Range	47 ~ 60 Hz	47 ~ 60 Hz	47 ~ 60 Hz	47 ~ 60 Hz	47 ~ 60 Hz
Power Factor	> 0.95	> 0.95	> 0.95	> 0.95	> 0.95
THD	< 10 %	< 10 %	< 10 %	< 10 %	< 10 %

## LUMINAIRE

Model - Power Rating	PE15W	PE20-40W	PE40-60W	PE60-100W	PE100-200W
Metal	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Metal Weight (Kgs) (Approx.)	1.14 Kgs	1.95 Kgs	3.12 Kgs	7.05 Kgs	< 10.15 Kgs
Metal Volume (m <sup>3</sup> ) (Approx.)	0.00038 m <sup>3</sup>	0.0007 m <sup>3</sup>	0.00125 m <sup>3</sup>	0.00215 m <sup>3</sup>	0.00318 m <sup>3</sup>
Surface Area (m <sup>2</sup> ) (Approx.)	0.135 m <sup>2</sup>	0.188 m <sup>2</sup>	0.368 m <sup>2</sup>	0.674 m <sup>2</sup>	0.98 m <sup>2</sup>
IP Rating	IP65	IP65	IP65	IP65	IP65

## MISCELLANEOUS

Model - Power Rating	PE15W	PE20-40W	PE40-60W	PE60-100W	PE100-200W
Packing	First in plastic + thermocol and then put in a carton and a few cartons are then put in a master box				
Colour	Light Rim - Black Colour   Body/Luminaire Body - Siemens Grey   <b>Custom colours available on request.</b>				
Delivery Time	Depends on order size   Quick turn around for orders of < 20 pcs.				
Area of Application	Street, Lawn/Garden, Industrial Use/Compounds			Highway/Busy Roads, Industrial	