



The best LED solution for Post-Top High-Intensity Discharge (HID) lamp replacement with low initial investment

TrueForce LED Public Mains

Philips TrueForce LED lamps provide an easy LED solution with a fast payback to replace High-Intensity Discharge (HID) lamps in Post-Top applications. These lamps bring the energy-efficiency and long lifetime benefits of LED to HID replacement, with a low initial investment delivering instant savings. With the right lamp size and light distribution, customers can easily retrofit TrueForce LED lamps into their existing system, thereby enhancing the light quality without having to change the fixtures or sacrifice the light effect.

Benefits

- Up to 50% energy saving compared with conventional HID systems
- A direct lamp replacement solution without changing the fixture: cost saving with quick payback
- Lower maintenance costs

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Features

- Direct mains solution: 110–277 V
- Long lifetime of 50,000 hrs
- High lumen output, instant on, no flicker, right lamp size and lighting distribution for direct retrofit
- Surge Protection and OTP (over-temperature protection)

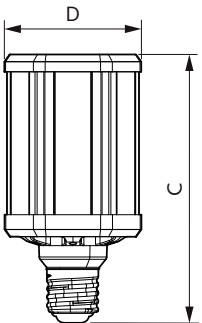
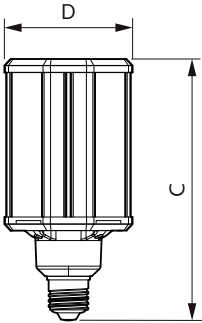
Application

- Public urban – parks, squares
- Public road – streets, paths
- Public area – parking, transportation hubs

Versions



Dimensional drawing



Product	D	C
35ED23.5/LED/740/ND 120–277V E40 G2 4/1	84 mm	195 mm

Product	D	C
55ED28/LED/727/ND 120–277V E40 G2 4/1	105 mm	211 mm

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Approval and Application

Energy Consumption kWh/1000 h - kWh

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 120-277 V

Starting Time (Nom) 0.5 s

General Information

Cap-Base E40

Nominal Lifetime (Nom) 50000 h

Switching Cycle 50,000X

Light Technical

Beam Angle (Nom) 360 °

Colour Rendering Index (Nom) 70

Llmf At End Of Nominal Lifetime (Nom) 70 %

Mechanical and Housing

Bulb Finish Clear

Bulb Shape Others

Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
77231700	35ED23.5/LED/740/ND 120-277V E40 G2 4/1	100 W	35 W
77233100	55ED28/LED/727/ND 120-277V E40 G2 4/1	150 W	55 W

Light Technical

Order Code	Full Product Name	Colour Code	Correlated Colour	
			Temperature (Nom)	Luminous Flux (Nom)
77231700	35ED23.5/LED/740/ND 120-277V E40 G2 4/1	740	4000 K	5000 lm

Order Code	Full Product Name	Colour Code	Correlated Colour	
			Temperature (Nom)	Luminous Flux (Nom)
77233100	55ED28/LED/727/ND 120-277V E40 G2 4/1	727	2700 K	7500 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
77231700	35ED23.5/LED/740/ND 120-277V E40 G2 4/1	70 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
77233100	55ED28/LED/727/ND 120-277V E40 G2 4/1	80 °C

