

**PHILIPS**

Public lighting

TrueForce Urban



# Minor change or **major business?**

Real professionals count on **Philips TrueForce Urban** – a cost effective LED lamp alternative for urban lighting

**NEW!**



**REAL  
PROs**  
**REAL  
QUALITY**

# TrueForce Urban.

## Save energy, retain your uniqueness

Now there is a cost-effective alternative that makes it easy to upgrade urban lighting by using LED. **Philips TrueForce** is the first direct replacement with exactly the same size as HPL/HQL 125W. This ensures a perfect fit with existing modern and traditional luminaires. It's the simplest way to upgrade to LED while keeping your initial investment low.



Upgrade your urban lighting to LED and benefit from **instant saving and low initial costs**

- **Fast payback** – mostly less than two years
- **Easy adoption** – no need to change the fixture
- **Perfect Fit** – compact size and low weight (350g)
- **Sustainability** – low energy consumption
- Enhance **comfort, safety** and **productivity**

**Easy installation  
with bypassing  
the ballast\***

HPL 125W	LED 33W
SON 70W	LED 33W
HPL 80W	LED 25W
SON 50W	LED 25W



\* It is recommended to connect TrueForce Urban on direct mains (220-240V), please refer to Installation Guide for details.



## TrueForce benefits. Powerful reasons to switch to LED.



**Energy saving**  
up to 75 %



**Direct LED replacement**  
solution without  
changing the fixture



**Reliable lifetime**  
up to 50.000  
hours



**Optically efficient,**  
emits light towards  
usage direction



Right lamp size and  
lighting distribution  
for direct retrofit



Pleasant white  
light with **CRI 70**

### Save on urban lighting

TrueForce LED lamps are a high quality alternative for conventional lamps used in existing decorative and functional applications. Not only do they save up to 75% in energy, they're also easy to install, typically saving between 50 and 90 percent of the installation time required for other LED alternatives.

### Right light distribution

With the same burning arc length and location as HID, TrueForce LED distributes light to exactly where it's needed. The Color Rendering Index (CRI) of 70 gives a pleasant white light to enhance comfort, safety and productivity. It combines the right lumen package with high system efficacy to maximize energy saving. Now also with broader portfolio in warmer light color (3000K).

### Low investment, long lifetime

With a low initial investment and fast payback time, TrueForce is the number one choice for anyone looking to upgrade to LED. The TrueForce range also offers a reliable lifetime of up to 50,000 hours. It ensures low maintenance needs and has a five-year warranty. So you can look forward to long-term savings too.

# Calculate energy savings

Energy savings

74 %

140W

>

33W

Energy savings

72 %

90W

>

25W

Lifetime

Longer lifetime

12,000 Hrs

>

50,000 Hrs

Energy savings

5,625 €<sup>3</sup>

Energy savings / year

Energy savings

3,416 €<sup>4</sup>

Energy savings / year

Number of lamps

100

Burning hours per year

4380 Hrs<sup>1</sup>

Energy costs

0,12Euro/kWh<sup>2</sup>

1 Energy use. Based on 12h burning per day, 365 days per year

2 Energy price. Based on the European average of 12 cent/kWh

3 Energy savings are based on the comparison of system power consumption = 140W, vs system consumption based on TrueForce Urban 33W

4 Energy savings are based on the comparison of system power consumption = 90W, vs system consumption based on TrueForce Urban 25W

# Technical specifications

New CCT:  
3000 K

TrueForce post-top

CRI 70

3000/4000

E27

NON-DIMMABLE

50,000 H

A<sup>+</sup>A<sup>++</sup>

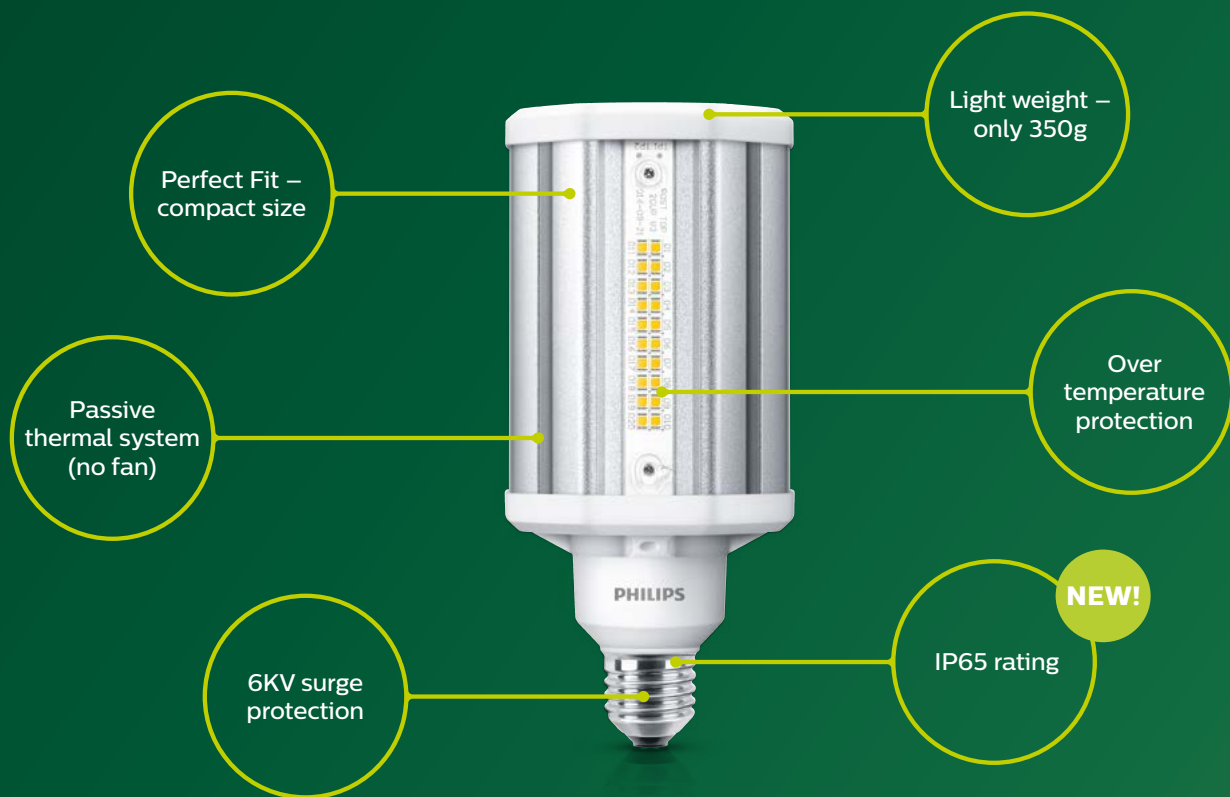
84 178

EEL

DIMENSIONS

Product type	LED	Traditional	Lumen output	Efficacy	Voltage	Input Current	Life time	Starting time	Energy class	EOC
	W	W	lm	lm/W	V	mA		s	(EU only)	(8718696)
TForce LED HPL ND 46-33W E27 730 CL	33	125	4600	139	220-240	165	50.000	<0,5	A <sup>++</sup>	681099600
TForce LED HPL ND 42-33W E27 730 FR	33	125	4200	127	220-240	165	50.000	<0,5	A <sup>++</sup>	681101600
TForce LED HPL ND 48-33W E27 740 CL	33	125	4800	145	220-240	165	50.000	<0,5	A <sup>++</sup>	686966000
TForce LED HPL ND 44-33W E27 740 FR	33	125	4400	133	220-240	165	50.000	<0,5	A <sup>++</sup>	686980000
TForce LED HPL ND 31-25W E27 730 CL	25	80	3100	124	220-240	135	50.000	<0,5	A <sup>++</sup>	681107800
TForce LED HPL ND 28-25W E27 730 FR	25	80	2800	112	220-240	135	50.000	<0,5	A <sup>+</sup>	681109200
TForce LED HPL ND 32-25W E27 740 CL	25	80	3200	128	220-240	135	50.000	<0,5	A <sup>++</sup>	687000000
TForce LED HPL ND 29-25W E27 740 FR	25	80	2900	116	220-240	135	50.000	<0,5	A <sup>+</sup>	687024000

# Design highlights



Clear and Frosted lens versions for best light effect in existing luminaires.



## Clear version

10 % higher light output for luminaires/applications where LED lamp is not visible or its appearance is not critical.

## Frosted version

For transparent luminaires/applications to provide diffused light effect and keep traditional look & feel.

