



A simple LED solution for direct HID lamp replacement with instant saving and low initial cost

TrueForce LED Industrial and Retail (Highbay – MH)

Philips TrueForce LED Industrial and Retail (Highbay – MH) lamps give you a quick and easy payback solution to replace HID lamps in Highbay applications. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus they come for a low initial investment. Lamp design enables directly retrofitting of HID lamps with TrueForce LED lamps without changing the fixtures or gear. The lamp is compatible with both 250W and 400W gears maximizing feasibility of such retrofits. Ignitor smart logic eliminates ignitor failure and continued ignition which may generate overhear and EMI risks. Multiple beam angle options and high color rendering index enhance the lighting distribution while creating a comfortable, safe and highly productivity environment.

Benefits

- Cost saving with quick payback
- Easy adoption
- Low initial investment

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Features

- High energy efficiency with directional light
- Long lifetime 50,000hrs
- Direct lamp replacement solution without changing the fixture or gear
- Compatible with both 250W and 400W gear systems
- 2 beam angles selection and Up+Down or Down light options

Application

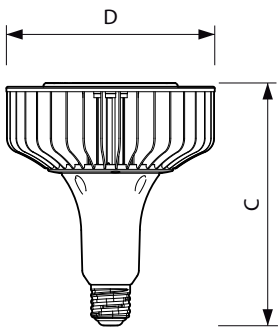
- Industrial - factories, warehouses, distribution centres
- Retail - Hyper markets, shopping malls
- Others - Transportation hubs, convention centres, sports halls

Versions



EX39 Others

Dimensional drawing



Product	D	C
165HB/LED/740/ND WB DL 2/1	209.7 mm	245.7 mm
165HB/LED/740/ND NB DL 2/1	209.7 mm	245.7 mm
165HB/LED/840/ND WB UDL 2/1	209.7 mm	245.7 mm
165HB/LED/840/ND NB UDL 2/1	209.7 mm	245.7 mm
100HB/LED/740/ND WB DL BB 2/1	211 mm	252 mm
125HB/LED/740/ND WB DL BB 2/1	211 mm	252 mm
125HB/LED/750/ND NB DL BB 2/1	211 mm	252 mm
100HB/LED/740/ND NB DL BB 2/1	211 mm	252 mm
100HB/LED/750/ND WB DL BB 2/1	211 mm	252 mm
125HB/LED/750/ND WB DL BB 2/1	211 mm	252 mm
100HB/LED/750/ND NB DL BB 2/1	211 mm	252 mm
125HB/LED/740/ND NB DL BB 2/1	211 mm	252 mm
150HB/LED/750/ND NB DL BB 2/1	211 mm	252 mm
150HB/LED/740/ND WB DL BB 2/1	211 mm	252 mm
150HB/LED/740/ND NB DL BB 2/1	211 mm	252 mm
150HB/LED/750/ND WB DL BB 2/1	211 mm	252 mm

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Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
General Information	
Cap-Base	EX39
Nominal Lifetime (Nom)	50000 h
Rated Lifetime (Hours)	50000 h
Switching Cycle	50000X
Light Technical	
Llmf At End Of Nominal Lifetime (Nom)	70 %
Mechanical and Housing	
Bulb Shape	Others

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
929001264804	165HB/LED/740/ND NB DL 2/1	/ V	400 W	165 W
929001265004	165HB/LED/740/ND WB DL 2/1	/ V	400 W	165 W
929001265304	165HB/LED/840/ND NB UDL 2/1	/ V	400 W	165 W
929001265504	165HB/LED/840/ND WB UDL 2/1	/ V	400 W	165 W
929001851304	100HB/LED/740/ND NB DL BB 2/1	120-277 V	250 W	100 W
929001851404	100HB/LED/740/ND WB DL BB 2/1	120-277 V	250 W	100 W
929001851704	100HB/LED/750/ND NB DL BB 2/1	120-277 V	250 W	100 W
929001851804	100HB/LED/750/ND WB DL BB 2/1	120-277 V	250 W	100 W
929001852104	125HB/LED/740/ND NB DL BB 2/1	120-277 V	320 W	125 W
929001852204	125HB/LED/740/ND WB DL BB 2/1	120-277 V	320 W	125 W
929001852504	125HB/LED/750/ND NB DL BB 2/1	120-277 V	320 W	125 W
929001852604	125HB/LED/750/ND WB DL BB 2/1	120-277 V	320 W	125 W
929001852904	150HB/LED/740/ND NB DL BB 2/1	120-277 V	400 W	150 W
929001853004	150HB/LED/740/ND WB DL BB 2/1	120-277 V	400 W	150 W
929001853304	150HB/LED/750/ND NB DL BB 2/1	120-277 V	400 W	150 W
929001853404	150HB/LED/750/ND WB DL BB 2/1	120-277 V	400 W	150 W

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated	Color
				Temperature (Nom)	Rendering Index (Nom)
929001264804	165HB/LED/740/ND NB DL 2/1	60 °	740	4000 K	70
929001265004	165HB/LED/740/ND WB DL 2/1	120 °	740	4000 K	70
929001265304	165HB/LED/840/ND NB UDL 2/1	60 °	840	4000 K	80
929001265504	165HB/LED/840/ND WB UDL 2/1	120 °	840	4000 K	80
929001851304	100HB/LED/740/ND NB DL BB 2/1	70 °	740	4000 K	70
929001851404	100HB/LED/740/ND WB DL BB 2/1	130 °	740	4000 K	70
929001851704	100HB/LED/750/ND NB DL BB 2/1	70 °	750	5000 K	70
929001851804	100HB/LED/750/ND WB DL BB 2/1	130 °	750	5000 K	70

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated	Color
				Temperature (Nom)	Rendering Index (Nom)
929001852104	125HB/LED/740/ND NB DL BB 2/1	70 °	740	4000 K	70
929001852204	125HB/LED/740/ND WB DL BB 2/1	130 °	740	4000 K	70
929001852504	125HB/LED/750/ND NB DL BB 2/1	70 °	750	5000 K	70
929001852604	125HB/LED/750/ND WB DL BB 2/1	130 °	750	5000 K	70
929001852904	150HB/LED/740/ND NB DL BB 2/1	70 °	740	4000 K	70
929001853004	150HB/LED/740/ND WB DL BB 2/1	130 °	740	4000 K	70
929001853304	150HB/LED/750/ND NB DL BB 2/1	70 °	750	5000 K	70
929001853404	150HB/LED/750/ND WB DL BB 2/1	130 °	750	5000 K	70

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929001264804	165HB/LED/740/ND NB DL 2/1	20000 lm	20000 lm
929001265004	165HB/LED/740/ND WB DL 2/1	20000 lm	20000 lm
929001265304	165HB/LED/840/ND NB UDL 2/1	19000 lm	19000 lm
929001265504	165HB/LED/840/ND WB UDL 2/1	19000 lm	19000 lm

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929001851304	100HB/LED/740/ND NB DL BB 2/1	12000 lm	12000 lm
929001851404	100HB/LED/740/ND WB DL BB 2/1	12000 lm	12000 lm

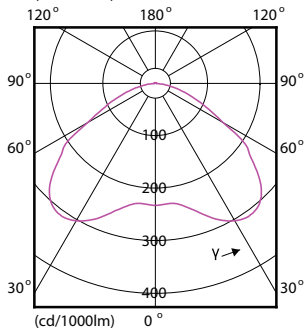
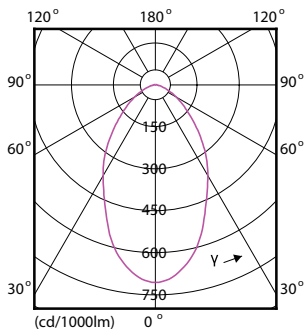
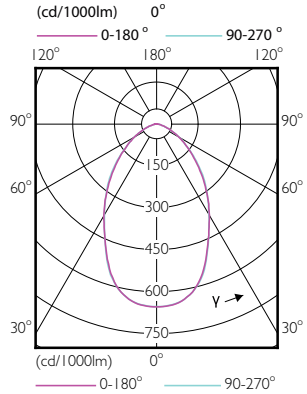
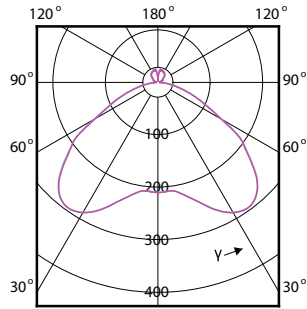
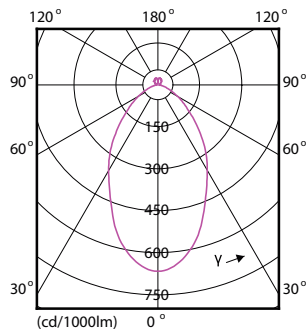
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Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929001851704	100HB/LED/750/ND NB DL BB 2/1	12000 lm	12000 lm
929001851804	100HB/LED/750/ND WB DL BB 2/1	12000 lm	12000 lm
929001852104	125HB/LED/740/ND NB DL BB 2/1	16000 lm	16000 lm
929001852204	125HB/LED/740/ND WB DL BB 2/1	16000 lm	16000 lm
929001852504	125HB/LED/750/ND NB DL BB 2/1	16000 lm	16000 lm
929001852604	125HB/LED/750/ND WB DL BB 2/1	16000 lm	16000 lm

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929001852904	150HB/LED/740/ND NB DL BB 2/1	20000 lm	20000 lm
929001853004	150HB/LED/740/ND WB DL BB 2/1	20000 lm	20000 lm
929001853304	150HB/LED/750/ND NB DL BB 2/1	20000 lm	20000 lm
929001853404	150HB/LED/750/ND WB DL BB 2/1	20000 lm	20000 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001264804	165HB/LED/740/ND NB DL 2/1	85 °C
929001265004	165HB/LED/740/ND WB DL 2/1	85 °C
929001265304	165HB/LED/840/ND NB UDL 2/1	85 °C
929001265504	165HB/LED/840/ND WB UDL 2/1	85 °C
929001851304	100HB/LED/740/ND NB DL BB 2/1	70 °C
929001851404	100HB/LED/740/ND WB DL BB 2/1	70 °C
929001851704	100HB/LED/750/ND NB DL BB 2/1	70 °C
929001851804	100HB/LED/750/ND WB DL BB 2/1	70 °C
929001852104	125HB/LED/740/ND NB DL BB 2/1	75 °C
929001852204	125HB/LED/740/ND WB DL BB 2/1	75 °C
929001852504	125HB/LED/750/ND NB DL BB 2/1	75 °C
929001852604	125HB/LED/750/ND WB DL BB 2/1	75 °C
929001852904	150HB/LED/740/ND NB DL BB 2/1	80 °C
929001853004	150HB/LED/740/ND WB DL BB 2/1	80 °C
929001853304	150HB/LED/750/ND NB DL BB 2/1	80 °C
929001853404	150HB/LED/750/ND WB DL BB 2/1	80 °C



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