



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 overheating 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

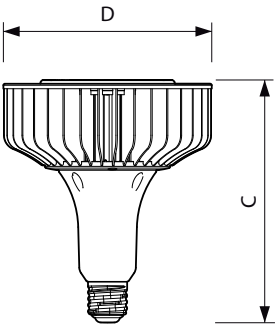
- Industrial - factories, warehouses, distribution centres
- Retail - Hyper markets, shopping malls
- Others - Transportation hubs, convention centres, sports halls

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/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)
465609	165HB/LED/740/ND NB DL 2/1	/ V	400 W	165 W
465625	165HB/LED/740/ND WB DL 2/1	/ V	400 W	165 W
465658	165HB/LED/840/ND NB UDL 2/1	/ V	400 W	165 W
465674	165HB/LED/840/ND WB UDL 2/1	/ V	400 W	165 W
478008	100HB/LED/740/ND WB DL BB 2/1	120-277 V	250 W	100 W
478032	100HB/LED/750/ND NB DL BB 2/1	120-277 V	250 W	100 W
478040	100HB/LED/750/ND WB DL BB 2/1	120-277 V	250 W	100 W
478073	125HB/LED/740/ND NB DL BB 2/1	120-277 V	320 W	125 W
478081	125HB/LED/740/ND WB DL BB 2/1	120-277 V	320 W	125 W
478115	125HB/LED/750/ND NB DL BB 2/1	120-277 V	320 W	125 W
478123	125HB/LED/750/ND WB DL BB 2/1	120-277 V	320 W	125 W
478156	150HB/LED/740/ND NB DL BB 2/1	120-277 V	400 W	150 W
478164	150HB/LED/740/ND WB DL BB 2/1	120-277 V	400 W	150 W
478198	150HB/LED/750/ND NB DL BB 2/1	120-277 V	400 W	150 W
478206	150HB/LED/750/ND WB DL BB 2/1	120-277 V	400 W	150 W

Light Technical (1/2)

Order	Beam	Correlated Color	Color
Code	Angle	Temperature	Rendering
Full Product Name	(Nom)	(Nom)	Index (Nom)
465609	165HB/LED/740/ND NB DL 2/1	60 °	740
465625	165HB/LED/740/ND WB DL 2/1	120 °	740
465658	165HB/LED/840/ND NB UDL 2/1	60 °	841
465674	165HB/LED/840/ND WB UDL 2/1	120 °	841
478008	100HB/LED/740/ND WB DL BB 2/1	130 °	740
478032	100HB/LED/750/ND NB DL BB 2/1	70 °	750
478040	100HB/LED/750/ND WB DL BB 2/1	130 °	750
478073	125HB/LED/740/ND NB DL BB 2/1	70 °	740

Order	Beam	Correlated Color	Color
Code	Angle	Temperature	Rendering
Full Product Name	(Nom)	(Nom)	Index (Nom)
478081	125HB/LED/740/ND WB DL BB 2/1	130 °	740
478115	125HB/LED/750/ND NB DL BB 2/1	70 °	750
478123	125HB/LED/750/ND WB DL BB 2/1	130 °	750
478156	150HB/LED/740/ND NB DL BB 2/1	70 °	740
478164	150HB/LED/740/ND WB DL BB 2/1	130 °	740
478198	150HB/LED/750/ND NB DL BB 2/1	70 °	750
478206	150HB/LED/750/ND WB DL BB 2/1	130 °	750

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
465609	165HB/LED/740/ND NB DL 2/1	20000 lm	20000 lm
465625	165HB/LED/740/ND WB DL 2/1	20000 lm	20000 lm
465658	165HB/LED/840/ND NB UDL 2/1	19000 lm	19000 lm
465674	165HB/LED/840/ND WB UDL 2/1	19000 lm	19000 lm
478008	100HB/LED/740/ND WB DL BB 2/1	12000 lm	12000 lm
478032	100HB/LED/750/ND NB DL BB 2/1	12000 lm	12000 lm
478040	100HB/LED/750/ND WB DL BB 2/1	12000 lm	12000 lm

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
478073	125HB/LED/740/ND NB DL BB 2/1	16000 lm	16000 lm
478081	125HB/LED/740/ND WB DL BB 2/1	16000 lm	16000 lm
478115	125HB/LED/750/ND NB DL BB 2/1	16000 lm	16000 lm
478123	125HB/LED/750/ND WB DL BB 2/1	16000 lm	16000 lm
478156	150HB/LED/740/ND NB DL BB 2/1	20000 lm	20000 lm
478164	150HB/LED/740/ND WB DL BB 2/1	20000 lm	20000 lm

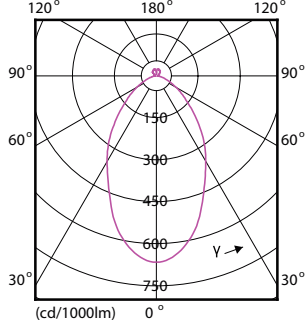
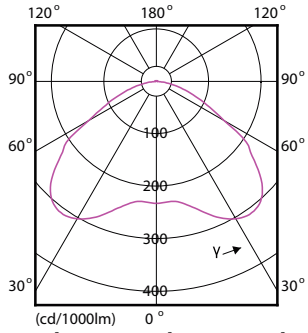
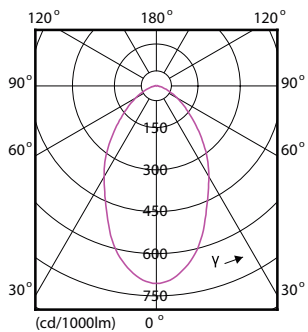
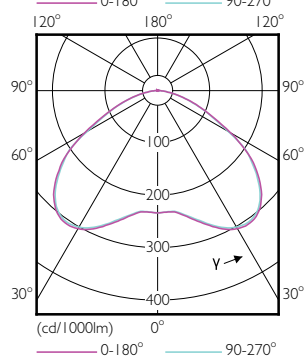
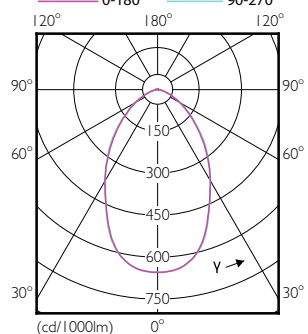
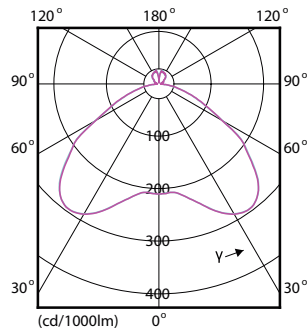
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Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
478198	150HB/LED/750/ND NB DL BB 2/1	20000 lm	20000 lm

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
478206	150HB/LED/750/ND WB DL BB 2/1	20000 lm	20000 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
465609	165HB/LED/740/ND NB DL 2/1	85 °C
465625	165HB/LED/740/ND WB DL 2/1	85 °C
465658	165HB/LED/840/ND NB UDL 2/1	85 °C
465674	165HB/LED/840/ND WB UDL 2/1	85 °C
478008	100HB/LED/740/ND WB DL BB 2/1	70 °C
478032	100HB/LED/750/ND NB DL BB 2/1	70 °C
478040	100HB/LED/750/ND WB DL BB 2/1	70 °C
478073	125HB/LED/740/ND NB DL BB 2/1	75 °C
478081	125HB/LED/740/ND WB DL BB 2/1	75 °C
478115	125HB/LED/750/ND NB DL BB 2/1	75 °C
478123	125HB/LED/750/ND WB DL BB 2/1	75 °C
478156	150HB/LED/740/ND NB DL BB 2/1	80 °C
478164	150HB/LED/740/ND WB DL BB 2/1	80 °C
478198	150HB/LED/750/ND NB DL BB 2/1	80 °C
478206	150HB/LED/750/ND WB DL BB 2/1	80 °C



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