

# PHILIPS

## LED lamps

Trueforce high bay  
(Type-A) high lumen lamp



# Instant retrofit with immediate energy savings

**Philips TrueForce LED high bay Type A high lumen lamp** for high bay lighting is a direct replacement for 400W and 250W metal halide lamps which will deliver substantial energy savings.

## Benefits

- 50,000 hour LED lifetime<sup>2</sup> vs a typical 20,000 hour rated average life for metal halide lamps
- Direct LED replacement solution without changing the fixture
- Energy saving over 50%<sup>3</sup>
- Instant on with no warm up time compared to metal halide
- Lamp will operate on 400W, 320W and 250W<sup>1</sup> ballasts

## Features

- Standard EX39 base to replace E and O rated metal halide lamps
- Works on probe and pulse start ballasts<sup>1</sup>
- Easy to install and works on existing ballasts
- 80 CRI version provides upright to illuminate transparent reflectors
- Performance of 165W, 20,000lm, 4000K CCT
- Pleasant white light with 70 and 80 CRI options
- Narrow and wide beam options to ensure uniform light distribution in application
- 5-year limited warranty depending upon operating hours<sup>4</sup>

1. LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50,L70).

2. LED system watts of 200W compared to 458W system watts for an MH400/U.

3. Please refer to [philips.com/trueforce](http://philips.com/trueforce) for most up to date compatibility guide.

4. For details, please visit <http://www.usa.lighting.philips.com/support/support/warranty>

# Philips TrueForce LED high bay (Type A) high lumen lamp



Ordering, electrical and technical data (Subject to change without notice)

Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replacement Watts (W)	Lumens (lm)	Volts (V)	Lamp type	CRI (min)	Lifetime <sup>1</sup> (hrs)	CCT (K)	Base	DLC
<b>MasterClass EX39 lamps</b>												
465609	929001264804	165HB/LED/740/ND NB DL 2/1	105	250	12,000	N/A	N/A	70	50,000	4000	EX39	No
465625	929001265004	165HB/LED/740/ND WB DL 2/1	105	250	12,000	N/A	N/A	70	50,000	4000	EX39	No
465658	929001265304	165HB/LED/840/ND NB UDL 2/1	105	250	12,000	N/A	N/A	80	50,000	4000	EX39	No
465674	929001265504	165HB/LED/840/ND WB UDL 2/1	105	250	12,000	N/A	N/A	80	50,000	4000	EX39	No
465609	929001264804	165HB/LED/740/ND NB DL 2/1	165	400	20,000	N/A	N/A	70	50,000	4000	EX39	No
465625	929001265004	165HB/LED/740/ND WB DL 2/1	165	400	20,000	N/A	N/A	70	50,000	4000	EX39	No
465658	929001265304	165HB/LED/840/ND NB UDL 2/1	165	400	20,000	N/A	N/A	80	50,000	4000	EX39	No
465674	929001265504	165HB/LED/840/ND WB UDL 2/1	165	400	20,000	N/A	N/A	80	50,000	4000	EX39	No

Shipping Data (Subject to change without notice)

Product No. (6nc)	SKU UPC (0-46677)	Outer Bar Code (5-00-46677)	Case Qty.	Case Weight (lbs.)	Case Volume (cu.ft.)	Pallet Qty.	SKUs per Layer	Layers High	SKU Dimensions (L x W x H) (in.)	Case Dimensions (L x W x H) (in.)	Pallet Dimensions (L x W x H) (in.)
<b>MasterClass EX39 lamps</b>											
465609	465605	465600	2	9.05	1.41	64	16	4	9.6 x 9.6 x 11.0	19.8 x 10.2 x 12.0	48.0 x 40.9 x 54.1
465625	465629	465624	2	9.05	1.41	64	16	4	9.6 x 9.6 x 11.0	19.8 x 10.2 x 12.0	48.0 x 40.9 x 54.1
465658	465650	465655	2	9.05	1.41	64	16	4	9.6 x 9.6 x 11.0	19.8 x 10.2 x 12.0	48.0 x 40.9 x 54.1
465674	465674	465679	2	9.05	1.41	64	16	4	9.6 x 9.6 x 11.0	19.8 x 10.2 x 12.0	48.0 x 40.9 x 54.1

## Energy saving solution

<b>For TrueForce Type B high bay product</b>	
<b>Estimated lighting costs using a 400 MH lamp with ballast</b>	
Present Wattage	458 watts
× Annual operating hours	4,000 hours
	= 1,832,000 watt-hours
÷ 1,000	= 1,832 kWh per year
× kWh rate of \$0.11	= \$201.52 per year
× 100 lamps	= \$20,152.00 annual energy cost
<b>Estimated lighting costs using a Philips high bay LED lamp</b>	
Present Wattage	200 watts
× Annual operating hours	4,000 hours
	= 800,000 watt-hours
÷ 1,000	= 800 kWh per year
× kWh rate of \$0.11	= \$88.00 per year
× 100 lamps	= \$8,800.00 annual energy cost
<b>Total estimated savings</b>	<b>\$11,352.00 annual savings</b>

Based on 100 lamps per space operating at 4000 hours per year.

1. LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70). Lamps rated 50,000 hours is for bare lamp without fixture.

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

### WARNINGS AND CAUTIONS

Risk of property damage or personal injury – The weight of the lamp is within the UL weight specification of a mogul (E39) base. However, before installing the lamp please ensure that the lamp holder (or socket) is not damaged or loose. The lamp holder (or socket) must be secured firmly to the fixture. If the lamp holder is damaged, corroded, charred or blackened, it must be replaced.

**CAUTION:** Risk of electric shock— do not use where directly exposed to water.

**NOTES:** This device complies with Part 15 of the FCC rule. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This Class B digital apparatus complies with Canadian ICES-005. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This lamp is suitable for dry and/or damp locations (indoor & outdoor applications). Suitable for use in outdoor luminaires as these luminaires provide a damp location for the lamp. This lamp is suitable for use in totally enclosed luminaires.



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