

# PHILIPS

## LED lamps

Trueforce high bay (Type-B)  
lamp and PIR sensor



# TrueForce high bay lamp

**Philips TrueForce LED high lumen Type B lamp** now offering compatibility with a separate PIR motion sensor for additional energy savings.

## Features & Benefits

- Easy to install and works on wide voltage (120-277V)
- Ballast bypass (Type B) lamp takes ballast maintenance out of the equation
- Standard EX39 base to replace E and O rated metal halide lamps
- Wide operating temperature range for industrial applications: -40°F to 130°F (-40°C to 55°C)
- Energy saving over 50%<sup>1</sup>
- **Ability to pre-set light output level down to 10% to work with a PIR motion sensor**
- Select a pre-set light output level which works with a PIR motion sensor
- Narrow and wide beam options to ensure uniform light distribution in application
- Instant-On for no warm-up time
- Suitable for use in enclosed fixtures
- Floor to ceiling lighting (wide beam lamp skus offer both up & downlights)
- 50,000 hour LED lifetime<sup>2</sup> vs a typical 20,000 hour rated average life for metal halide lamps
- **DLC 5.1 compliant**

1. LED watts of 150W compared to 458W system watts for an MH400/U.  
2. Depending upon operating hours. For details please visit [www.signify.com/warranties](http://www.signify.com/warranties).

# Philips TrueForce LED high bay (Type B) lamp

EX39

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)	Beam angle	CRI (min)	Lifetime <sup>1</sup> (hrs)	CCT (K)	Base	DLC
<b>MasterClass EX39 lamps</b>												
D 563932	929002496004	145HB/LED/840/D NB DL BB G2 4/1	145	250-400	20000	120-277	Narrow	80	50000	4000	EX39	At launch
D 563940	929002496104	145HB/LED/840/D WB UDL BB G2 4/1	145	250-400	20000	120-277	Wide	80	50000	4000	EX39	At launch
D 563956	929002496204	145HB/LED/850/D NB DL BB G2 4/1	145	250-400	20000	120-277	Narrow	80	50000	5000	EX39	At launch
D 563964	929002496304	145HB/LED/850/D WB UDL BB G2 4/1	145	250-400	20000	120-277	Wide	80	50000	5000	EX39	At launch
D 563972	929002496404	165HB/LED/840/D NB DL BB G2 4/1	165	400-600	25000	120-277	Narrow	80	50000	4000	EX39	At launch
D 563980	929002496504	165HB/LED/840/D WB UDL BB G2 4/1	165	400-600	25000	120-277	Wide	80	50000	4000	EX39	At launch
D 563998	929002496604	165HB/LED/850/D NB DL BB G2 4/1	165	400-600	25000	120-277	Narrow	80	50000	5000	EX39	At launch
D 564005	929002496704	165HB/LED/850/D WB UDL BB G2 4/1	165	400-600	25000	120-277	Wide	80	50000	5000	EX39	At launch
D 564013	929002497104	LED highbay sensor accessory	-	-	-	-	-	-	-	-	-	-

Product number	Model Number (12nc)	SKU upc	Case Qty	Case weight (lb)	Case Cube	SKU qty per pallet	SKU per layer	Layers high	SKU dimensions (LxWxH)	Case dimensions (LxWxH)	Pallet dimensions (LxWxH)
<b>EX39 lamps</b>											
563932	929002496004	046677563936	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
563940	929002496104	046677563943	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
563956	929002496204	046677563950	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
563964	929002496304	046677563967	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
563972	929002496404	046677563974	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
563980	929002496504	046677563981	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
563998	929002496604	046677563998	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
564005	929002496704	046677564001	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
564013	929002497204	046677564018	---	0.5522	86	3024	252	12	3x3x3	10x3x3	---

## Energy saving solution

### For TrueForce Type B high bay product

#### Estimated lighting costs using a 400 MH lamp with ballast

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

#### Estimated lighting costs using a Philips high bay LED lamp

Present Wattage	165 watts
* Annual operating hours	4,000 hours
=	600,000 watt-hours
÷ 1,000	= 600 kWh per year
* kWh rate of \$0.11	= \$72.60 per year
* 100 lamps	= \$7,260.00 annual energy cost
<b>Total estimated savings</b>	<b>\$12,892.00 annual savings</b>

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

- 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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