TrueForce high bay lamp

Philips TrueForce LED high lumen Type B lamps are a
new lightweight model offering even more lumen output.

Features & Benefits

- Easy to install and works
  on wide voltage (120-277V)

- Ballast bypass (Type B) lamp
  takes ballast maintenance
  out of the equation

- Instant-On for no warm-up time

- 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%[1]

- Narrow and wide beam
  options to ensure uniform
  light distribution in application

- Floor to ceiling lighting
  (wide beam lamp skus offer both up & downlights)

- 50,000 hour LED lifetime[2]
  vs a typical 20,000 hour rated
  average life for metal halide lamps

- Suitable for use in enclosed fixtures

- DLC at launch

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.

Philips TrueForce LED Type B high bay lamps

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[1] (hrs)	CCT (K)	Base	DLC
MasterClass EX39 lamps													
D	557231	929002282604	145HB/LED/840/ND NB DL BB 4/1	145	250	20000	120-277	Narrow	80	50,000	4000	EX39	At launch
D	557264	929002282804	145HB/LED/840/ND WB UDL BB 4/1	145	250	20000	120-277	Wide	80	50,000	4000	EX39	At launch
D	557256	929002282904	145HB/LED/850/ND NB DL BB 4/1	145	250	20000	120-277	Narrow	80	50,000	5000	EX39	At launch
D	557280	929002283104	145HB/LED/850/ND WB UDL BB 4/1	145	250	20000	120-277	Wide	80	50,000	5000	EX39	At launch
D	557298	929002283204	165HB/LED/840/ND NB DL BB 4/1	165	400	25000	120-277	Narrow	80	50,000	4000	EX39	At launch
D	557314	929002283404	165HB/LED/840/ND WB UDL BB 4/1	165	400	25000	120-277	Wide	80	50,000	4000	EX39	At launch
D	557322	929002283504	165HB/LED/850/ND NB DL BB 4/1	165	400	25000	120-277	Narrow	80	50,000	5000	EX39	At launch
D	557348	929002283704	165HB/LED/850/ND WB UDL BB 4/1	165	400	25000	120-277	Wide	80	50,000	5000	EX39	At launch

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)
EX39 lamps											
557231	929002282604	046677557232	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
557264	929002282804	046677557256	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
557256	929002282904	046677557263	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
557280	929002283104	046677557287	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
557298	929002283204	046677557294	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
557314	929002283404	046677557317	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
557322	929002283504	046677557324	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49
557348	929002283704	046677557348	4	15.7344	6100	48	16	3	10x10x14	21x20x15	47x39x49

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
Total estimated savings		$12,892.00	annual savings

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

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.

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.

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