PHILIPS

LED

TrueForce high lumen lamp

For high bay lighting applications



Instant retrofit **with immediate energy savings**

Philips TrueForce LED high lumen lamp for high bay lighting is a direct replacement for 400W Metal Halide lamps which will deliver substantial energy savings.

Benefits

- 50,000 hour life vs a typical 20,000 hour life for metal halide lamps
- Energy saving up to 75%
- Easy to install – Save up to 50-90% of time vs other LED solutions
- Same/right lamp size and lighting distribution for direct retrofit with a peace of mind
- Direct LED replacement solution without changing the fixture
- Pleasant white light with CRI 70/80 fixture
- Instant on. No warm up time compared to Metal Halide

Features

- Standard EX39 base to replace E and O rated 400W metal halide lamps
- Works on Probe (M59) and pulse start (M135, M155) ballasts
- UL Type A installation- existing ballasts
- Watts: 165. Watt equivalency: 400, Lumens: 20,000, Color (K) 4000
- Life: 50,0000 hours
- CRI 70/80
- 5-year limited warranty depending upon operating hours†

Philips TrueForce LED high lumen lamp

Ordering, Electrical and Technical Data (Subject to change without notice)

Product Number	Model Number	Order Code	Nom. Watts	Replacement Watts	Volts	Lamp Type	Base	LED Lifetime[1] (hrs.)	Approx Lumens	Color Temp (K)	CRI	Dim
46560-9	929001264804	165HB/LED/740/ND NB DL 2/1	165	400	N/A	N/A	EX39	50,000	20,000	4000	70	No
46562-5	929001265004	165HB/LED/740/ND WB DL 2/1	165	400	N/A	N/A	EX39	50,000	20,000	4000	70	No
46565-8	929001265304	165HB/LED/840/ND NB UDL 2/1	165	400	N/A	N/A	EX39	50,000	19,000	4000	80	No
46567-4	929001265504	165HB/LED/840/ND WB UDL 2/1	165	400	N/A	N/A	EX39	50,000	19,000	4000	80	No

Energy Saving Solution

Estimated lighting costs using a standard 400W MH400/U Metal halide lamp			
Present Wattage		458	W
× Annual operating hours		4,000	hrs
	=	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 per space

Estimated lighting costs using a Philips LED High bay replacement lamp			
Present Wattage		200	W
× Annual operating hours		4,000	hrs
	=	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 per space
Total estimated annual savings◊		**$11,352.00**	

◊ Based on 100 lamps per space operating at 4,000 hours per year

This example shows an application of 100 165W LED metal halide replacement lamps operating on an M59 ballast, operating 4,000 hours per year at a cost of $0.11 per kWh. Replacing 100 standard 400W MH400/U metal halide lamps with the Philips LED replacement lamps can provide significant energy cost savings of $11,352.00 per year. Your actual savings may vary depending on the energy costs in your geographic location.

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).

Footnotes from front:

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

Shipping Data (Subject to change without notice)

Product Number	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.)
46560-9	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
46562-5	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
46565-8	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
46567-4	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

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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