

# VALTO 600 High Bay LED Solution

Open Fixture Rated

Ballast By-pass OR Ballast Compatible

- Saves up to 300W
- 20,000 Lumens, 130 L/W
- Low Glare
- Continuously Dimmable to < 10%
- ROI < 1 Year<sup>3</sup>
- 5 Year/50,000 Hours Warranty<sup>5,6</sup>
- Integrated Smart Lighting Option
- Engineered in USA
- 400-600W HID Equivalent
- IP20 Rating



**E40 Base**

- Easy install
- Ballast By-pass or Ballast Compatible

**Smart Electronics<sup>7</sup>**

- Universal AC 90-305V
- Self metering
- Over temperature protection

**Heatsink**

- Fanless for high reliability
- Ambient 50°C free air<sup>4</sup>

**Optimised Integral Optics**

- 1.6-2.0x improved lux levels
- Even illumination for SC= 0.5-1.5
- Low glare with 50° cut-off
- External reflector not required

**Smart Integral Control Module**

- 1-10V dimming standard
- Wireless ZigBee control option

Filamento's VALTO Hybrid LED Solution outperforms most high bay HID and LED fixtures while providing the convenience of a socket. The Hybrid lamp driver works with BOTH ballast by-pass or existing magnetic ballasts, reducing inventory and installation.

Designed in the USA, its patented technology combines an ultra-light heatsink; an optical system that provides even illumination with low glare; and an intelligent driver. Reliability and efficiency are ensured by a proprietary heatsink design that maintains low temperatures without a fan.

Reduce inventories and lead times by stocking a single solution that provides uniform illumination for spacing criteria from 0.5-1.5. An optical accessory can be field installed to create uplight. In most situations paybacks of one year or less can be easily realised.

Applications include warehouse, grocery, gymnasiums, retail, and industrial spaces.

# VALTO 600

## High Bay LED Solution

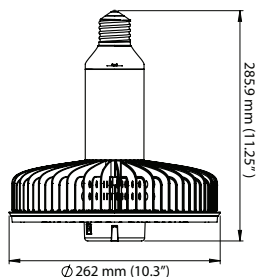
### Open Fixture Rated

#### Performance Summary

- 20,000 lumens/150W
- 130 L/W
- Low Glare
- 90-305 VAC 50/60 Hz Input Voltage OR Magnetic Ballast compatible
- Ambient air operation to 50°C/122F<sup>4</sup>
- 10-10V dimming standard
- Optional ZigBee wireless controls
- 5 Years or 50,000 hours warranty<sup>5</sup>

#### Mechanical

- E40 socket compatible
- Vertical orientation only
- Beautiful anodised solid aluminum body
- 1.65 kg / 3.6 lb
- Fanless for high reliability & efficiency
- Safety harness optional



#### Electrical - Ballast By-pass

- 90-305 VAC 50/60 Hz Input Voltage Max
- PF > 0.9
- THD < 20%

VAC	100	110	120	220	240	277
AMPs	1.5	1.36	1.25	0.68	0.63	0.54

#### Electrical - Ballast Compatible<sup>10</sup>

The retrofit solution is compatible with European HID Magnetic Ballasts between 175-600W 50Hz/60Hz. Such ballast types include probe start, pulse start, CWA or reactive.

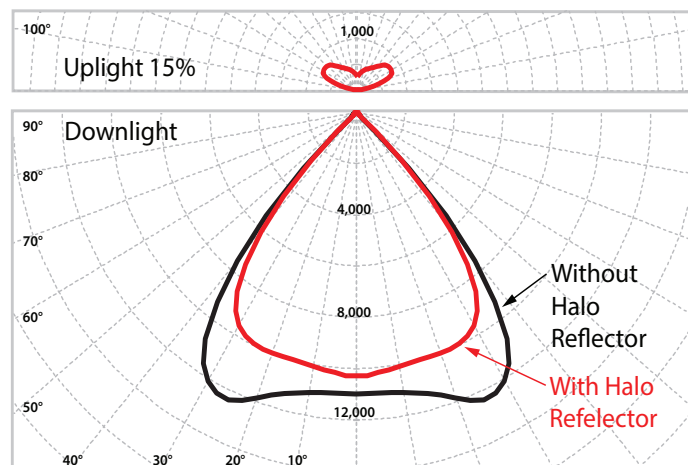
#### European Ballast Types (E40)

- Metal halide: MH250, MH400
- HPS: NG 250, NG 400, NG 600
- Mercury Vapor: HM250, HM400

#### Photometry

Highly optimised optical distribution enables excellent illuminance that matches legacy HID fixtures in average lux values and in uniformity with  $Min/Avg > 0.75$  for spacing criteria,  $SC = 0.5-1.5$ . Simultaneously, low glare is achieved with a 50° cut-off. Photometry is substantially maintained regardless of input voltage for the ballast by-pass case or for the ballast compatible case.

#### Distribution at 20,000 lm



Distance to Work Surface	4.6m	6m	7.6m
Lux	630	335	207
Zonal Lumens	0-20°	20-50°	50-90° (Glare)
Valto Series	21.5%	75.2%	2.2%

#### Certifications

- Suitable for Dry and Damp locations (IP20).
- Suitable for open vented fixtures
- This device is not intended for use with emergency exits.

RoHS



#### ORDERING INFORMATION Example: VAL-E40-150-8-40-TH-AN-B90-010-000

Series	Base <sup>11</sup>	Power	CRI	CCT	Input	Finish	Optics	Control Module	Other
VAL Valto Lamp	E40 E40	150 150W	8 80	40 4000K 50 5000K	TH Hybrid	AN Anodised	B90 BW FW90°	010 0-10V	000 None

#### NOTES

1. Light loss factor of HID LLF=60% and LED LLF=85%.
2. Unless otherwise specified, all values are +/- 10% typical at 25°C with no optical accessory.
3. Individual installation's payback duration may differ.
4. Above 50°C ambient air, the electronics will turn down the light output to protect from over temperature.
5. See limited warranty for details.
6. TM21 projection to >79,000 Hours rated life at ambient air temperature of 25°C
7. Driver records values for later warranty analysis by manufacturer.
8. Not intended for use in wet environments or environments containing airborne corrosive agents such as chemicals, solvents or cutting fluids.
9. Average UGR assuming 46m x 46m room, 7.6m ceilings, 50% wall and ceiling reflectivity, 20% floor reflectivity, SC=1.5, 4x4 fixtures
10. See ballast compatibility document for details
11. Specifications subject to change without notice