

Vortex LED Highbay

An energy saving LED highbay suitable for general industrial and retail applications

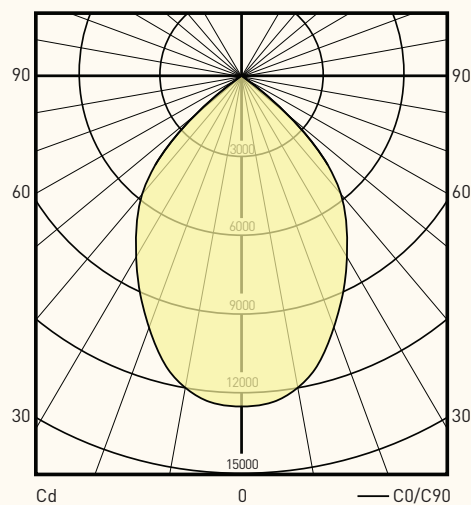


Vortex LED Highbay

Ideal for warehouses, factories, storage facilities and shopping/retail centres

- Innovative heat sink and on board Thermal Management Control (TMC) ensures protection, long life of driver and LEDs
- Great energy saving solution against traditional Metal Halide highbays – up to 58% more energy efficient
- Long life LEDs (L70 @ 50,000 hours) reduce maintenance costs
- LEDs provide instant light when compared with HID lamps
- Wide (WD) optical distribution ideal for warehouse installations
- Rated at IP65 protection and a Ta rating up to 40°C making it suitable for industrial environments
- Supplied complete with 3 pin flex and plug for ease of installation

Polar Curve



684700 - Vortex LED 17800Lm WD NON-DIM
ULOR: 0.3%
DLOR: 99.7%

Energy Savings

Below is a simple comparison between a conventional 400W Metal Halide highbay Vs the Vortex LED highbay in a 600m² small warehouse application with luminaires mounted 18m high.

	400W MH	Vortex LED
No. of Luminaires	10	10
Operating hours per day	14	
Total circuit watts per luminaire	440	180
Light source lumens	36,000	19,500
Luminaire lumens	25,200	17,800
Luminaire efficiency (lm/W)	57.3	99
Per annum cost of energy	\$4,323	\$1,769
Total cost of energy*	\$59,400	\$24,300
58% Energy saved with LED		

Lamp life (h)	20,000	50,000
Number of lamp changes	2	0
Cost of lamp maintenance**	\$5,100	\$0
\$5,100 Saving on lamp maintenance with LED		

Total CO ₂ emissions***	222T	75.7T
58% Saving on CO ₂ emissions with LED		

- * Based on 50,000 hours (3 year installation 14 hrs/day, 5days/week) at \$0.27 per KWh
- ** Lamp replacement based on \$75 per hour for 2 x contractors and lamp price of \$40 ea and \$1,500 cost for a cherry picker
- *** Based on 0.841 Kg CO₂/KWh

Cat No	Description	Colour Temperature	Luminaire Lumens	Wattage	Weight
684700	Vortex LED Highbay Wide Optic Non-Dim	5,000K	17,800lm	180W	6.9kg

Dimensions (mm)

