



Small (Mini/Short) Bollard. To order, change HB40-xxx-xx-x to HBS40-xxx-xx-x.

The Hamilton 40W is a classic IP65 / IK10 rated Black Flat Top LED bollard, creating an energy efficient and attractive outdoor feature.

Manufactured from extruded die-cast aluminium, featuring aluminium louvres for optimum performance and a transparent strong UV stabilised polycarbonate diffuser.

Options available are Colour Temperature, DALI, 110V, 12V, Mini Photocell, AstroDIM, PIR Sensor, 3hr Emergency, 180° Spill Shield, and Surface Mount Flange Plate or Bolt-on Root Mount.

Hamilton 40W LED Bollard



Bollard Lighting



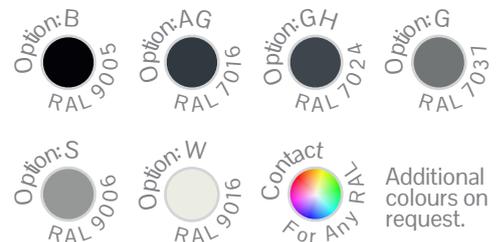
Features

- LED rating (Source lumens) 5,920Lm (4000K / 6000K), 5,120Lm (3000K) and 4,958Lm(2700K).
- Luminaire flux (delivered lumens) 4,203Lm (4000K / 6000K), 3,635Lm (3000K) and 3,520Lm(2700K).
- Total system watts 40cW.
- Luminaire efficacy up to 106Lm/cW.
- Colour temperature options available are 2700K, 3000K, 4000K, 6000K.
- -20 to +40°C operating temperature (Emergency 0 to +40°C).
- Control options available are DALI driver, 110V driver, 12V driver, AstroDIM driver, Mini Photocell, PIR Sensor and 3hr Emergency.
- Emergency Mode BLF 25%.
- Small (Mini / Short) version available.
- Any painted RAL colour finish.
- 5 Year Manufacturer's Warranty.

Benefits

- IP65 / IK10 rated for robust durability in tough environments.
- LED Life span > 100,000hrs, L90B10.
- Osram LEDs and Osram Driver for trusted quality and reliability.
- Easy access to LED and Driver via a removable head for maintenance.
- Aluminium louvres for optimum performance and minimal upward light.
- Tamper proof fixings for increased vandal resistance.
- Manufactured from extruded die-cast aluminium with strong UV stabilised polycarbonate diffuser.
- Optional Surface Mount Flange Plate or Bolt-on Root Mount (available separately) for ease of install.
- Optional 180° Spill Shield for controlled light distribution.

Painted Options



Kelvin Options



* 5 Year Manufacturer's Warranty.

Dimensions

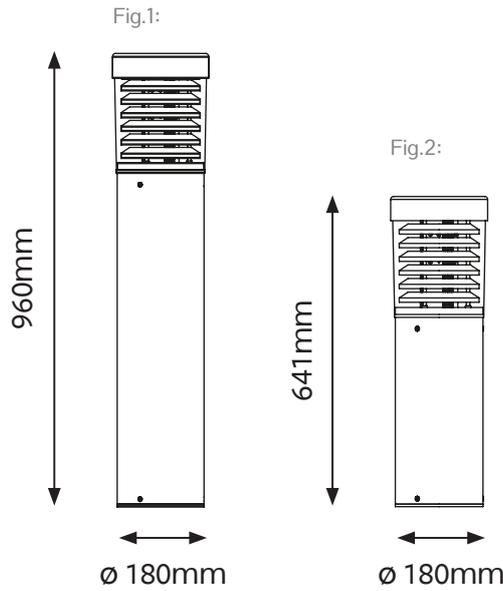
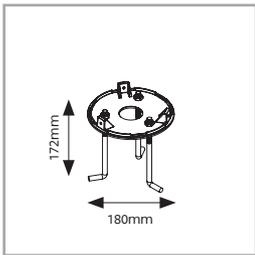
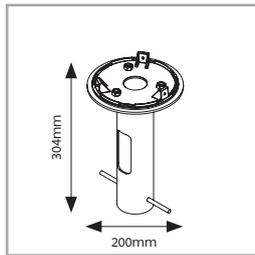


Fig.1: Regular Bollard.
Fig.2: Small (Short/Mini) Bollard.

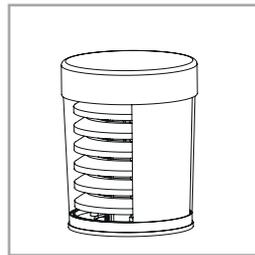
Add-Ons



Flange Plate Kit with J-bolts. To be ordered separately, code: FIX 0053.



300mm Bolt-on Root Mount. To be ordered separately, code: FIX 0054.

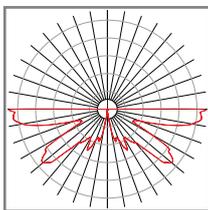


Factory Fitted Spill Shield. To order, change code from 'HB40' to 'HBH40'.

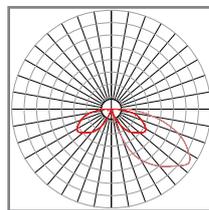
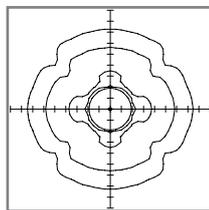
Applications

-  Prestigious Grounds
-  Car Parks
-  Parks & Gardens
-  Walkways
-  Security
-  Amenity Areas

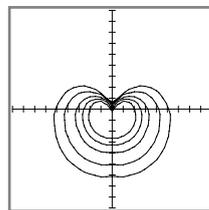
Photometric Data



Optic 1 - 360° beam for wide area lighting.



Optic 2 - 180° beam to prevent backwards light spill.



NB: photometric images are indicative.

Need a Lighting Design?

We offer a free of charge design service, contact our team today: studio@gemmalighting.com.

Specifications (Continued)

Hamilton 40W LED Bollard

Item Number	Description	Light Source	LED Rating (Lm)	Total System Power (cW)	CCT (K)	CRI	Voltage (VAC)	LED Drive Current (mA)	Luminaire Flux (Llm)	Luminaire Efficacy (Llm/cW)	Weight (kg)	Height (mm)	Unit Colour
40W LED BOLLARD													
HB40-A7C-00B	HAMILTON-40W-LED-AC-6000K-STD-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7N-00B	HAMILTON-40W-LED-AC-4000K-STD-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7W-00B	HAMILTON-40W-LED-AC-3000K-STD-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	6.25	960	BLACK
HB40-A7X-00B	HAMILTON-40W-LED-AC-2700K-STD-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	6.25	960	BLACK
40W EMERGENCY LED BOLLARD													
HB40-A7C-01B	HAMILTON-40W-LED-AC-6000K-STD-E3-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7N-01B	HAMILTON-40W-LED-AC-4000K-STD-E3-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7W-01B	HAMILTON-40W-LED-AC-3000K-STD-E3-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	7.25	960	BLACK
HB40-A7X-01B	HAMILTON-40W-LED-AC-2700K-STD-E3-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	7.25	960	BLACK
40W MINI PHOTOCELL LED BOLLARD													
HB40-A7C-04B	HAMILTON-40W-LED-AC-6000K-STD-M/PHOTOCELL-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7N-04B	HAMILTON-40W-LED-AC-4000K-STD-M/PHOTOCELL-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7W-04B	HAMILTON-40W-LED-AC-3000K-STD-M/PHOTOCELL-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	6.25	960	BLACK
HB40-A7X-04B	HAMILTON-40W-LED-AC-2700K-STD-M/PHOTOCELL-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	6.25	960	BLACK
40W MINI PHOTOCELL - EMERGENCY LED BOLLARD													
HB40-A7C-10B	HAMILTON-40W-LED-AC-6000K-STD-M/PHOTOCELL-E3-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7N-10B	HAMILTON-40W-LED-AC-4000K-STD-M/PHOTOCELL-E3-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7W-10B	HAMILTON-40W-LED-AC-3000K-STD-M/PHOTOCELL-E3-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	7.25	960	BLACK
HB40-A7X-10B	HAMILTON-40W-LED-AC-2700K-STD-M/PHOTOCELL-E3-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	7.25	960	BLACK
40W PIR LED BOLLARD (OFF / ON VIA PRESENCE DETECTOR)													
HB40-A7C-13B	HAMILTON-40W-LED-AC-6000K-STD-PIR-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7N-13B	HAMILTON-40W-LED-AC-4000K-STD-PIR-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7W-13B	HAMILTON-40W-LED-AC-3000K-STD-PIR-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	6.25	960	BLACK
HB40-A7X-13B	HAMILTON-40W-LED-AC-2700K-STD-PIR-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	6.25	960	BLACK
40W PIR - EMERGENCY LED BOLLARD (OFF / ON VIA PRESENCE DETECTOR)													
HB40-A7C-14B	HAMILTON-40W-LED-AC-6000K-STD-PIR-E3-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7N-14B	HAMILTON-40W-LED-AC-4000K-STD-PIR-E3-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7W-14B	HAMILTON-40W-LED-AC-3000K-STD-PIR-E3-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	7.25	960	BLACK
HB40-A7X-14B	HAMILTON-40W-LED-AC-2700K-STD-PIR-E3-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	7.25	960	BLACK
40W DALI LED BOLLARD													
HB40-A7C-20B	HAMILTON-40W-LED-AC-6000K-DALI-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7N-20B	HAMILTON-40W-LED-AC-4000K-DALI-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7W-20B	HAMILTON-40W-LED-AC-3000K-DALI-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	6.25	960	BLACK
HB40-A7X-20B	HAMILTON-40W-LED-AC-2700K-DALI-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	6.25	960	BLACK
40W DALI - DALI EMERGENCY LED BOLLARD													
HB40-A7C-21B	HAMILTON-40W-LED-AC-6000K-DALI-DALI/E3-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7N-21B	HAMILTON-40W-LED-AC-4000K-DALI-DALI/E3-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7W-21B	HAMILTON-40W-LED-AC-3000K-DALI-DALI/E3-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	7.25	960	BLACK
HB40-A7X-21B	HAMILTON-40W-LED-AC-2700K-DALI-DALI/E3-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	7.25	960	BLACK

(table continued overleaf)

Specifications (Continued)

Hamilton 40W LED Bollard

Item Number	Description	Light Source	LED Rating (Lm)	Total System Power (cW)	CCT (K)	CRI	Voltage (VAC)	LED Drive Current (mA)	Luminaire Flux (Llm)	Luminaire Efficacy (Llm/cW)	Weight (Kg)	Height (mm)	Unit Colour
40W DALI - MINI PHOTOCELL LED BOLLARD													
HB40-A7C-24B	HAMILTON-40W-LED-AC-6000K-DALI-M/PHOTOCELL-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7N-24B	HAMILTON-40W-LED-AC-4000K-DALI-M/PHOTOCELL-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7W-24B	HAMILTON-40W-LED-AC-3000K-DALI-M/PHOTOCELL-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	6.25	960	BLACK
HB40-A7X-24B	HAMILTON-40W-LED-AC-2700K-DALI-M/PHOTOCELL-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	6.25	960	BLACK
40W DALI - MINI PHOTOCELL - DALI EMERGENCY LED BOLLARD													
HB40-A7C-30B	HAMILTON-40W-LED-AC-6000K-DALI-M/PHOTOCELL-DALI/E3-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7N-30B	HAMILTON-40W-LED-AC-4000K-DALI-M/PHOTOCELL-DALI/E3-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7W-30B	HAMILTON-40W-LED-AC-3000K-DALI-M/PHOTOCELL-DALI/E3-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	7.25	960	BLACK
HB40-A7X-30B	HAMILTON-40W-LED-AC-2700K-DALI-M/PHOTOCELL-DALI/E3-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	7.25	960	BLACK
40W DALI - PIR LED BOLLARD (30% ON / 100% ON VIA PRESENCE DETECTOR)													
HB40-A7C-33B	HAMILTON-40W-LED-AC-6000K-DALI-PIR-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7N-33B	HAMILTON-40W-LED-AC-4000K-DALI-PIR-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7W-33B	HAMILTON-40W-LED-AC-3000K-DALI-PIR-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	6.25	960	BLACK
HB40-A7X-33B	HAMILTON-40W-LED-AC-2700K-DALI-PIR-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	6.25	960	BLACK
40W DALI - PIR - DALI EMERGENCY LED BOLLARD (30% ON / 100% ON VIA PRESENCE DETECTOR)													
HB40-A7C-34B	HAMILTON-40W-LED-AC-6000K-DALI-PIR-DALI/E3-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7N-34B	HAMILTON-40W-LED-AC-4000K-DALI-PIR-DALI/E3-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	7.25	960	BLACK
HB40-A7W-34B	HAMILTON-40W-LED-AC-3000K-DALI-PIR-DALI/E3-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	7.25	960	BLACK
HB40-A7X-34B	HAMILTON-40W-LED-AC-2700K-DALI-PIR-DALI/E3-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	7.25	960	BLACK
40W AstroDIM - MINI PHOTOCELL LED BOLLARD (100% ON / DIM TO 30% AT NIGHT MID POINT)													
HB40-A7C-64B	HAMILTON-40W-LED-AC-6000K-ASTRO-M/PHOTOCELL-BLACK	LED	5,920	40	6000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7N-64B	HAMILTON-40W-LED-AC-4000K-ASTRO-M/PHOTOCELL-BLACK	LED	5,920	40	4000K	RA>70	220-240	700	4,203	105	6.25	960	BLACK
HB40-A7W-64B	HAMILTON-40W-LED-AC-3000K-ASTRO-M/PHOTOCELL-BLACK	LED	5,120	40	3000K	RA>80	220-240	700	3,635	91	6.25	960	BLACK
HB40-A7X-64B	HAMILTON-40W-LED-AC-2700K-ASTRO-M/PHOTOCELL-BLACK	LED	4,958	40	2700K	RA>80	220-240	700	3,520	88	6.25	960	BLACK
40W 110V LED BOLLARD													
HB40-A7C-80B	HAMILTON-40W-LED-AC-6000K-110V-BLACK	LED	5,920	40	6000K	RA>70	110	700	4,203	105	6.25	960	BLACK
HB40-A7N-80B	HAMILTON-40W-LED-AC-4000K-110V-BLACK	LED	5,920	40	4000K	RA>70	110	700	4,203	105	6.25	960	BLACK
HB40-A7W-80B	HAMILTON-40W-LED-AC-3000K-110V-BLACK	LED	5,120	40	3000K	RA>80	110	700	3,635	91	6.25	960	BLACK
HB40-A7X-80B	HAMILTON-40W-LED-AC-2700K-110V-BLACK	LED	4,958	40	2700K	RA>80	110	700	3,520	88	6.25	960	BLACK
40W 12V LED BOLLARD													
HB40-DAC-00B	HAMILTON-40W-LED-DC-6000K-12V-BLACK	LED	5,920	40	6000K	RA>70	12	700	4,203	105	6.25	960	BLACK
HB40-DAN-00B	HAMILTON-40W-LED-DC-4000K-12V-BLACK	LED	5,920	40	4000K	RA>70	12	700	4,203	105	6.25	960	BLACK
HB40-DAW-00B	HAMILTON-40W-LED-DC-3000K-12V-BLACK	LED	5,120	40	3000K	RA>80	12	700	3,635	91	6.25	960	BLACK
HB40-DAX-00B	HAMILTON-40W-LED-DC-2700K-12V-BLACK	LED	4,958	40	2700K	RA>80	12	700	3,520	88	6.25	960	BLACK

Legend:

Std = Standard. E3 = Emergency. M/Cell = Integral Mini Photocell. PIR = Integral PIR Sensor. DALI = DALI Driver. DALI/E3 = DALI Emergency. Astro = AstroDIM Driver. 110V = 110V Driver. 12V = 12V Driver. X = 2700K (Extra Warm White). W = 3000K (Warm White). N = 4000K (Neutral White). C = 6000K (Cool White).

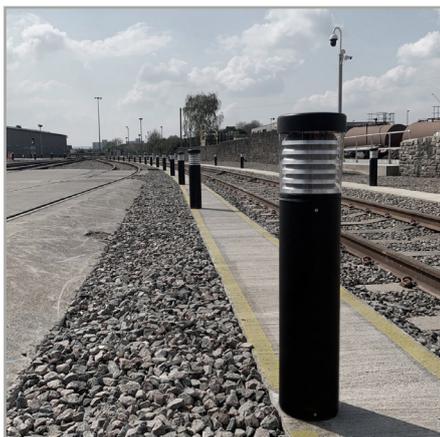
Options:

Small (Mini/Short 4.5Kg) Bollard = Change HB40 to HBS40.

Small (Mini/Short 4.5Kg) Bollard + Factory Fitted Spill Shield = Change HB40 to HBSH40.

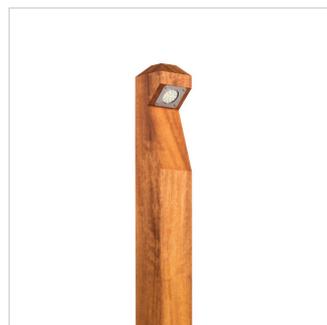
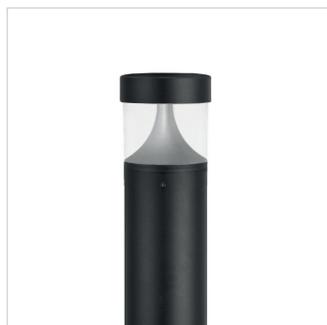
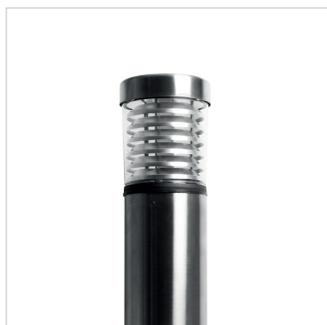
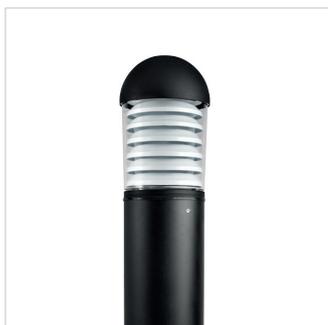
AstroDIM = Default setting is 100% On / Dim to 30% at middle point of night.

Project Example



Looking for a Different LED Bollard?

We have a comprehensive collection of traditional, modern and architectural LED bollards, with a range of outputs on our website: www.gemmalighting.com/led-bollard-lighting-manufacturer.



Disclaimer:

All figures +/-10% and specified at 25°C ambient unless stated. Due to constant product development and improvements, Gemma Lighting Ltd reserves the right to change specifications without prior notification or public announcement. Information correct at the time of publication; V250403.

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