



Small (Mini/Short) Bollard. To order, change HB20-xxx-xx-x to HBS20-xxx-xx-x.

The Hamilton 20W 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 20W LED Bollard



## Bollard Lighting



### Features

- LED rating (Source lumens) 3,001Lm (4000K / 6000K), 2,596Lm (3000K) and 2,514Lm(2700K).
- Luminaire flux (delivered lumens) 2,131Lm (4000K / 6000K), 1,843Lm (3000K) and 1,785Lm(2700K).
- Total system watts 20cW.
- Luminaire efficacy up to 107Lm/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 50%.
- 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

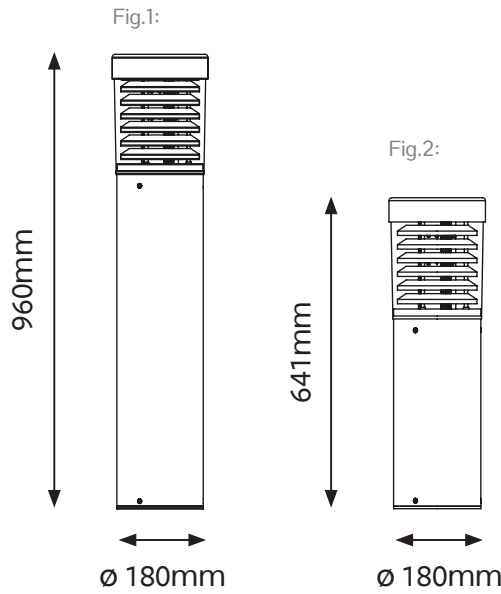
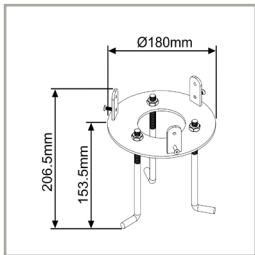
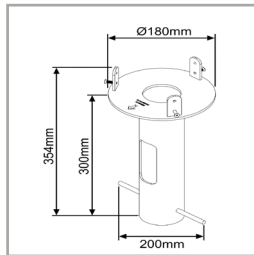


Fig.1: Regular Bollard.  
Fig.2: Small (Short/Mini) Bollard.

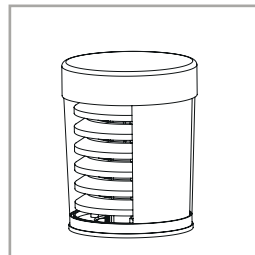
## Add-Ons



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.

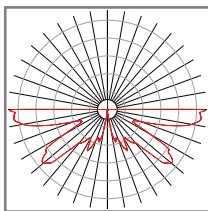


Factory Fitted Spill Shield. To order, change code from 'HB20' to 'HBH20'.

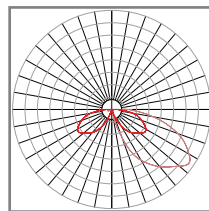
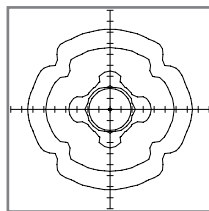
## Applications

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

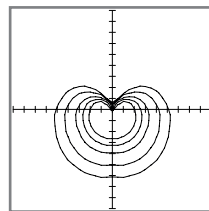
## Photometric Data



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](mailto:studio@gemmalighting.com).

# Specifications (Continued)

## Hamilton 20W 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
<b>20W LED BOLLARD</b>													
HB20-A3C-00B	HAMILTON-20W-LED-AC-6000K-STD-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3N-00B	HAMILTON-20W-LED-AC-4000K-STD-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3W-00B	HAMILTON-20W-LED-AC-3000K-STD-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	6.25	960	BLACK
HB20-A3X-00B	HAMILTON-20W-LED-AC-2700K-STD-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	6.25	960	BLACK
<b>20W EMERGENCY LED BOLLARD</b>													
HB20-A3C-01B	HAMILTON-20W-LED-AC-6000K-STD-E3-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3N-01B	HAMILTON-20W-LED-AC-4000K-STD-E3-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3W-01B	HAMILTON-20W-LED-AC-3000K-STD-E3-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	7.25	960	BLACK
HB20-A3X-01B	HAMILTON-20W-LED-AC-2700K-STD-E3-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	7.25	960	BLACK
<b>20W MINI PHOTOCELL LED BOLLARD</b>													
HB20-A3C-04B	HAMILTON-20W-LED-AC-6000K-STD-M/PHOTOCELL-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3N-04B	HAMILTON-20W-LED-AC-4000K-STD-M/PHOTOCELL-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3W-04B	HAMILTON-20W-LED-AC-3000K-STD-M/PHOTOCELL-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	6.25	960	BLACK
HB20-A3X-04B	HAMILTON-20W-LED-AC-2700K-STD-M/PHOTOCELL-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	6.25	960	BLACK
<b>20W MINI PHOTOCELL - EMERGENCY LED BOLLARD</b>													
HB20-A3C-10B	HAMILTON-20W-LED-AC-6000K-STD-M/PHOTOCELL-E3-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3N-10B	HAMILTON-20W-LED-AC-4000K-STD-M/PHOTOCELL-E3-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3W-10B	HAMILTON-20W-LED-AC-3000K-STD-M/PHOTOCELL-E3-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	7.25	960	BLACK
HB20-A3X-10B	HAMILTON-20W-LED-AC-2700K-STD-M/PHOTOCELL-E3-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	7.25	960	BLACK
<b>20W PIR LED BOLLARD (OFF / ON VIA PRESENCE DETECTOR)</b>													
HB20-A3C-13B	HAMILTON-20W-LED-AC-6000K-STD-PIR-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3N-13B	HAMILTON-20W-LED-AC-4000K-STD-PIR-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3W-13B	HAMILTON-20W-LED-AC-3000K-STD-PIR-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	6.25	960	BLACK
HB20-A3X-13B	HAMILTON-20W-LED-AC-2700K-STD-PIR-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	6.25	960	BLACK
<b>20W PIR - EMERGENCY LED BOLLARD (OFF / ON VIA PRESENCE DETECTOR)</b>													
HB20-A3C-14B	HAMILTON-20W-LED-AC-6000K-STD-PIR-E3-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3N-14B	HAMILTON-20W-LED-AC-4000K-STD-PIR-E3-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3W-14B	HAMILTON-20W-LED-AC-3000K-STD-PIR-E3-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	7.25	960	BLACK
HB20-A3X-14B	HAMILTON-20W-LED-AC-2700K-STD-PIR-E3-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	7.25	960	BLACK
<b>20W DALI LED BOLLARD</b>													
HB20-A3C-20B	HAMILTON-20W-LED-AC-6000K-DALI-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3N-20B	HAMILTON-20W-LED-AC-4000K-DALI-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3W-20B	HAMILTON-20W-LED-AC-3000K-DALI-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	6.25	960	BLACK
HB20-A3X-20B	HAMILTON-20W-LED-AC-2700K-DALI-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	6.25	960	BLACK
<b>20W DALI - DALI EMERGENCY LED BOLLARD</b>													
HB20-A3C-21B	HAMILTON-20W-LED-AC-6000K-DALI-DALI/E3-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3N-21B	HAMILTON-20W-LED-AC-4000K-DALI-DALI/E3-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3W-21B	HAMILTON-20W-LED-AC-3000K-DALI-DALI/E3-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	7.25	960	BLACK
HB20-A3X-21B	HAMILTON-20W-LED-AC-2700K-DALI-DALI/E3-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	7.25	960	BLACK

(table continued overleaf)

# Specifications (Continued)

## Hamilton 20W 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
<b>20W DALI - MINI PHOTOCELL LED BOLLARD</b>													
HB20-A3C-24B	HAMILTON-20W-LED-AC-6000K-DALI-M/PHOTOCELL-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3N-24B	HAMILTON-20W-LED-AC-4000K-DALI-M/PHOTOCELL-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3W-24B	HAMILTON-20W-LED-AC-3000K-DALI-M/PHOTOCELL-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	6.25	960	BLACK
HB20-A3X-24B	HAMILTON-20W-LED-AC-2700K-DALI-M/PHOTOCELL-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	6.25	960	BLACK
<b>20W DALI - MINI PHOTOCELL - DALI EMERGENCY LED BOLLARD</b>													
HB20-A3C-30B	HAMILTON-20W-LED-AC-6000K-DALI-M/PHOTOCELL-DALI/E3-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3N-30B	HAMILTON-20W-LED-AC-4000K-DALI-M/PHOTOCELL-DALI/E3-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3W-30B	HAMILTON-20W-LED-AC-3000K-DALI-M/PHOTOCELL-DALI/E3-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	7.25	960	BLACK
HB20-A3X-30B	HAMILTON-20W-LED-AC-2700K-DALI-M/PHOTOCELL-DALI/E3-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	7.25	960	BLACK
<b>20W DALI - PIR LED BOLLARD (30% ON / 100% ON VIA PRESENCE DETECTOR)</b>													
HB20-A3C-33B	HAMILTON-20W-LED-AC-6000K-DALI-PIR-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3N-33B	HAMILTON-20W-LED-AC-4000K-DALI-PIR-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3W-33B	HAMILTON-20W-LED-AC-3000K-DALI-PIR-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	6.25	960	BLACK
HB20-A3X-33B	HAMILTON-20W-LED-AC-2700K-DALI-PIR-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	6.25	960	BLACK
<b>20W DALI - PIR - DALI EMERGENCY LED BOLLARD (30% ON / 100% ON VIA PRESENCE DETECTOR)</b>													
HB20-A3C-34B	HAMILTON-20W-LED-AC-6000K-DALI-PIR-DALI/E3-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3N-34B	HAMILTON-20W-LED-AC-4000K-DALI-PIR-DALI/E3-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	7.25	960	BLACK
HB20-A3W-34B	HAMILTON-20W-LED-AC-3000K-DALI-PIR-DALI/E3-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	7.25	960	BLACK
HB20-A3X-34B	HAMILTON-20W-LED-AC-2700K-DALI-PIR-DALI/E3-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	7.25	960	BLACK
<b>20W AstroDIM - MINI PHOTOCELL LED BOLLARD (100% ON / DIM TO 30% AT NIGHT MID POINT)</b>													
HB20-A3C-64B	HAMILTON-20W-LED-AC-6000K-ASTRO-M/PHOTOCELL-BLACK	LED	3,001	20	6000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3N-64B	HAMILTON-20W-LED-AC-4000K-ASTRO-M/PHOTOCELL-BLACK	LED	3,001	20	4000K	RA>70	220-240	350	2,131	107	6.25	960	BLACK
HB20-A3W-64B	HAMILTON-20W-LED-AC-3000K-ASTRO-M/PHOTOCELL-BLACK	LED	2,596	20	3000K	RA>80	220-240	350	1,843	92	6.25	960	BLACK
HB20-A3X-64B	HAMILTON-20W-LED-AC-2700K-ASTRO-M/PHOTOCELL-BLACK	LED	2,514	20	2700K	RA>80	220-240	350	1,785	89	6.25	960	BLACK
<b>20W 110V LED BOLLARD</b>													
HB20-A3C-80B	HAMILTON-20W-LED-AC-6000K-110V-BLACK	LED	3,001	20	6000K	RA>70	110	350	2,131	107	6.25	960	BLACK
HB20-A3N-80B	HAMILTON-20W-LED-AC-4000K-110V-BLACK	LED	3,001	20	4000K	RA>70	110	350	2,131	107	6.25	960	BLACK
HB20-A3W-80B	HAMILTON-20W-LED-AC-3000K-110V-BLACK	LED	2,596	20	3000K	RA>80	110	350	1,843	92	6.25	960	BLACK
HB20-A3X-80B	HAMILTON-20W-LED-AC-2700K-110V-BLACK	LED	2,514	20	2700K	RA>80	110	350	1,785	89	6.25	960	BLACK
<b>20W 12V LED BOLLARD</b>													
HB20-DAC-00B	HAMILTON-20W-LED-DC-6000K-12V-BLACK	LED	3,001	20	6000K	RA>70	12	350	2,131	107	6.25	960	BLACK
HB20-DAN-00B	HAMILTON-20W-LED-DC-4000K-12V-BLACK	LED	3,001	20	4000K	RA>70	12	350	2,131	107	6.25	960	BLACK
HB20-DAW-00B	HAMILTON-20W-LED-DC-3000K-12V-BLACK	LED	2,596	20	3000K	RA>80	12	350	1,843	92	6.25	960	BLACK
HB20-DAX-00B	HAMILTON-20W-LED-DC-2700K-12V-BLACK	LED	2,514	20	2700K	RA>80	12	350	1,785	89	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 HB20 to HBS20.

Small (Mini/Short 4.5Kg) Bollard + Factory Fitted Spill Shield = Change HB20 to HBSH20.

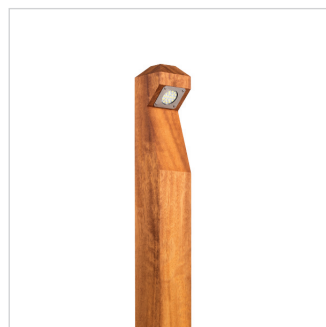
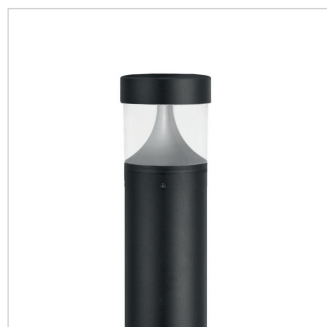
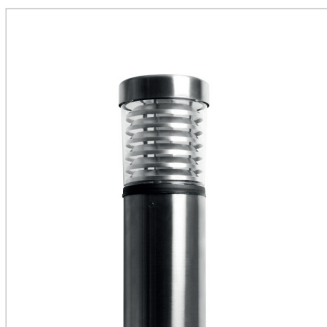
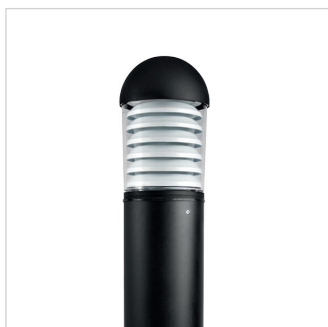
AstroDIM = Default setting is 100% On / Dim to 30% at middle point of night.

## 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](http://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.

## Contact Us

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