gemma
the UK's lighting company

MADE IN BRITAIN ®

The Hamilton 10W 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.

Small (Mini/Short) Bollard. To order, change HB10-xxx-xx-x to HBS10-xxx-xx-x.

Hamilton 10W LED Bollard

5 YEAR WARRANTY *   LED   IP 65   IK 10   DALI ®   UKCA   CE   RoHS
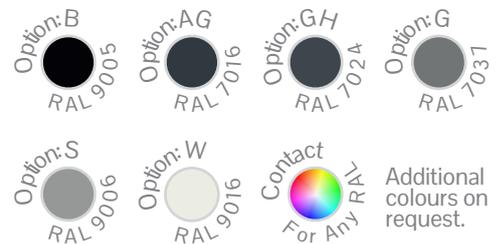
Bollard Lighting

Features

- LED rating (Source lumens) 1,511Lm (4000K / 6000K), 1,307Lm (3000K) and 1,265Lm(2700K).
- Luminaire flux (delivered lumens) 1,073Llm (4000K / 6000K), 928Llm (3000K) and 898(2700K).
- Total system watts 10cW.
- Luminaire efficacy up to 107Llm/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 100%.
- 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

Option: B RAL 9005
Option: AG RAL 7016
Option: GH RAL 7024
Option: G RAL 7031
Option: S RAL 9006
Option: W RAL 9016
Contact For Any RAL
Additional colours on request.

Kelvin Options

2700K Extra Warm White
3000K Warm White
4000K Neutral White
6000K Cool White

www.gemmalighting.com

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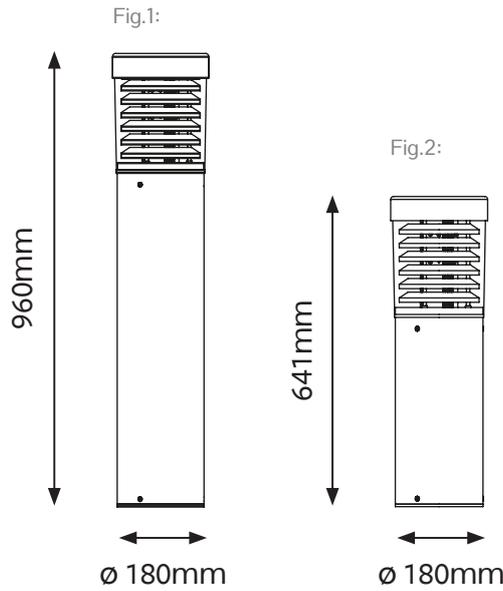
Dimensions

Fig.1:
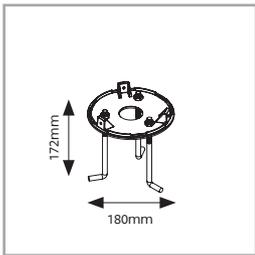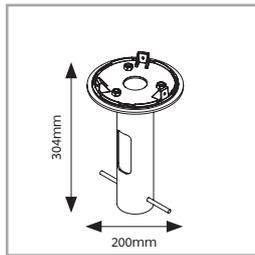
Fig.2:

960mm

641mm

ø 180mm

ø 180mm

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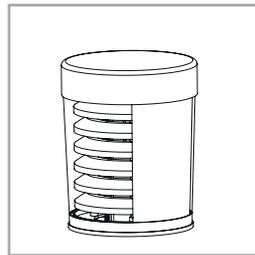
Add-Ons

172mm

180mm

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

304mm

200mm

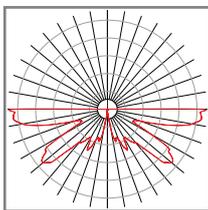300mm Bolt-on Root
Mount. To be ordered
separately, code: FIX 0054.

Factory Fitted Spill Shield.
To order, change code from
'HB10' to 'HBH10'.

Applications

Prestigious Grounds

Car Parks

Parks & Gardens
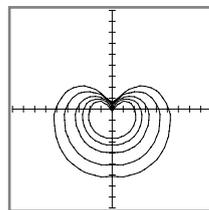
Walkways

Security

Amenity Areas

Photometric Data

Optic 1 - 360° beam for wide area lighting.
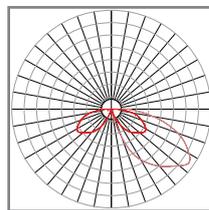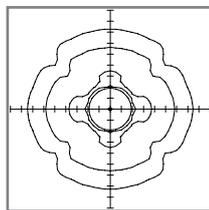
Optic 2 - 180° beam to prevent backwards light spill.

NB: photometric images
are indicative.

Need a Lighting Design?

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Hamilton 10W LED Bollard

Item Number	Description	Light Source	LED Rating (Llm)	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
10W LED Bollard													
HB10-A1C-00B	Hamilton-10W-LED-AC-6000K-Std-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1N-00B	Hamilton-10W-LED-AC-4000K-Std-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1W-00B	Hamilton-10W-LED-AC-3000K-Std-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	6.25	960	Black
HB10-A1X-00B	Hamilton-10W-LED-AC-2700K-Std-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	6.25	960	Black
10W Emergency LED Bollard													
HB10-A1C-01B	Hamilton-10W-LED-AC-6000K-Std-E3-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1N-01B	Hamilton-10W-LED-AC-4000K-Std-E3-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1W-01B	Hamilton-10W-LED-AC-3000K-Std-E3-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	7.25	960	Black
HB10-A1X-01B	Hamilton-10W-LED-AC-2700K-Std-E3-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	7.25	960	Black
10W Mini Photocell LED Bollard													
HB10-A1C-04B	Hamilton-10W-LED-AC-6000K-Std-M/Photocell-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1N-04B	Hamilton-10W-LED-AC-4000K-Std-M/Photocell-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1W-04B	Hamilton-10W-LED-AC-3000K-Std-M/Photocell-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	6.25	960	Black
HB10-A1X-04B	Hamilton-10W-LED-AC-2700K-Std-M/Photocell-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	6.25	960	Black
10W Mini Photocell - Emergency LED Bollard													
HB10-A1C-10B	Hamilton-10W-LED-AC-6000K-Std-M/Photocell-E3-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1N-10B	Hamilton-10W-LED-AC-4000K-Std-M/Photocell-E3-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1W-10B	Hamilton-10W-LED-AC-3000K-Std-M/Photocell-E3-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	7.25	960	Black
HB10-A1X-10B	Hamilton-10W-LED-AC-2700K-Std-M/Photocell-E3-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	7.25	960	Black
10W PIR LED Bollard (Off / On via presence detector)													
HB10-A1C-13B	Hamilton-10W-LED-AC-6000K-Std-PIR-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1N-13B	Hamilton-10W-LED-AC-4000K-Std-PIR-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1W-13B	Hamilton-10W-LED-AC-3000K-Std-PIR-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	6.25	960	Black
HB10-A1X-13B	Hamilton-10W-LED-AC-2700K-Std-PIR-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	6.25	960	Black
10W PIR - Emergency LED Bollard (Off / On via presence detector)													
HB10-A1C-14B	Hamilton-10W-LED-AC-6000K-Std-PIR-E3-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1N-14B	Hamilton-10W-LED-AC-4000K-Std-PIR-E3-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1W-14B	Hamilton-10W-LED-AC-3000K-Std-PIR-E3-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	7.25	960	Black
HB10-A1X-14B	Hamilton-10W-LED-AC-2700K-Std-PIR-E3-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	7.25	960	Black
10W Dali LED Bollard													
HB10-A1C-20B	Hamilton-10W-LED-AC-6000K-DALI-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1N-20B	Hamilton-10W-LED-AC-4000K-DALI-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1W-20B	Hamilton-10W-LED-AC-3000K-DALI-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	6.25	960	Black
HB10-A1X-20B	Hamilton-10W-LED-AC-2700K-DALI-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	6.25	960	Black
10W Dali - DALI Emergency LED Bollard													
HB10-A1C-21B	Hamilton-10W-LED-AC-6000K-DALI-DALI/E3-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1N-21B	Hamilton-10W-LED-AC-4000K-DALI-DALI/E3-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1W-21B	Hamilton-10W-LED-AC-3000K-DALI-DALI/E3-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	7.25	960	Black
HB10-A1X-21B	Hamilton-10W-LED-AC-2700K-DALI-DALI/E3-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	7.25	960	Black

Hamilton 10W 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 (Lm)	Luminaire Efficacy (Llm/cW)	Weight (Kg)	Height (mm)	Unit Colour
10W Dali - Mini Photocell LED Bollard													
HB10-A1C-24B	Hamilton-10W-LED-AC-6000K-DALI-M/Photocell-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1N-24B	Hamilton-10W-LED-AC-4000K-DALI-M/Photocell-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1W-24B	Hamilton-10W-LED-AC-3000K-DALI-M/Photocell-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	6.25	960	Black
HB10-A1X-24B	Hamilton-10W-LED-AC-2700K-DALI-M/Photocell-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	6.25	960	Black
10W Dali - Mini Photocell - Emergency LED Bollard													
HB10-A1C-30B	Hamilton-10W-LED-AC-6000K-DALI-M/Photocell-DALI/E3-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1N-30B	Hamilton-10W-LED-AC-4000K-DALI-M/Photocell-DALI/E3-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1W-30B	Hamilton-10W-LED-AC-3000K-DALI-M/Photocell-DALI/E3-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	7.25	960	Black
HB10-A1X-30B	Hamilton-10W-LED-AC-2700K-DALI-M/Photocell-DALI/E3-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	7.25	960	Black
10W DALI - PIR LED Bollard (30% On / 100% On via presence detector)													
HB10-A1C-33B	Hamilton-10W-LED-AC-6000K-DALI-PIR-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1N-33B	Hamilton-10W-LED-AC-4000K-DALI-PIR-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1W-33B	Hamilton-10W-LED-AC-3000K-DALI-PIR-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	6.25	960	Black
HB10-A1X-33B	Hamilton-10W-LED-AC-2700K-DALI-PIR-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	6.25	960	Black
10W Dali - PIR - Emergency LED Bollard (30% On / 100% On via presence detector)													
HB10-A1C-34B	Hamilton-10W-LED-AC-6000K-DALI-PIR-DALI/E3-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1N-34B	Hamilton-10W-LED-AC-4000K-DALI-PIR-DALI/E3-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	7.25	960	Black
HB10-A1W-34B	Hamilton-10W-LED-AC-3000K-DALI-PIR-DALI/E3-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	7.25	960	Black
HB10-A1X-34B	Hamilton-10W-LED-AC-2700K-DALI-PIR-DALI/E3-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	7.25	960	Black
10W AstroDIM - Mini Photocell LED Bollard (100% On / Dim to 30% at night mid point)													
HB10-A1C-64B	Hamilton-10W-LED-AC-6000K-Astro-M/Photocell-Black	LED	1,511	10	6000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1N-64B	Hamilton-10W-LED-AC-4000K-Astro-M/Photocell-Black	LED	1,511	10	4000K	Ra>70	220-240	175	1,073	107	6.25	960	Black
HB10-A1W-64B	Hamilton-10W-LED-AC-3000K-Astro-M/Photocell-Black	LED	1,307	10	3000K	Ra>80	220-240	175	928	93	6.25	960	Black
HB10-A1X-64B	Hamilton-10W-LED-AC-2700K-Astro-M/Photocell-Black	LED	1,265	10	2700K	Ra>80	220-240	175	898	90	6.25	960	Black
10W 110V LED Bollard													
HB10-A1C-80B	Hamilton-10W-LED-AC-6000K-110V-Black	LED	1,511	10	6000K	Ra>70	110	175	1,073	107	6.25	960	Black
HB10-A1N-80B	Hamilton-10W-LED-AC-4000K-110V-Black	LED	1,511	10	4000K	Ra>70	110	175	1,073	107	6.25	960	Black
HB10-A1W-80B	Hamilton-10W-LED-AC-3000K-110V-Black	LED	1,307	10	3000K	Ra>80	110	175	928	93	6.25	960	Black
HB10-A1X-80B	Hamilton-10W-LED-AC-2700K-110V-Black	LED	1,265	10	2700K	Ra>80	110	175	898	90	6.25	960	Black
10W 12V LED Bollard													
HB10-DAC-00B	Hamilton-10W-LED-DC-6000K-12V-Black	LED	1,511	10	6000K	Ra>70	12	175	1,073	107	6.25	960	Black
HB10-DAN-00B	Hamilton-10W-LED-DC-4000K-12V-Black	LED	1,511	10	4000K	Ra>70	12	175	1,073	107	6.25	960	Black
HB10-DAW-00B	Hamilton-10W-LED-DC-3000K-12V-Black	LED	1,307	10	3000K	Ra>80	12	175	928	93	6.25	960	Black
HB10-DAX-00B	Hamilton-10W-LED-DC-2700K-12V-Black	LED	1,265	10	2700K	Ra>80	12	175	898	90	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.
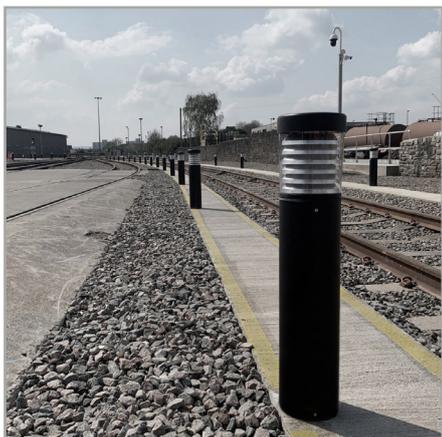X = 2700K (Extra Warm White). W = 3000K (Warm White) . N = 4000K (Neutral White). C = 6000K (Cool White).

Options:
Small (Mini/Short 4.5Kg) Bollard = Change HB10 to HBS10.
Small (Mini/Short 4.5Kg) Bollard + Factory Fitted Spill Shield = Change HB10 to HBSH10.

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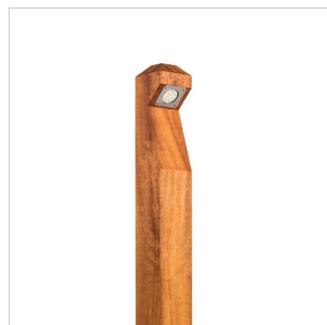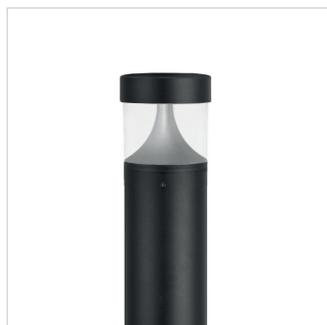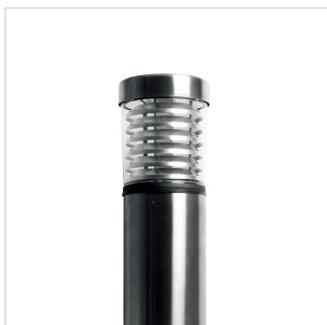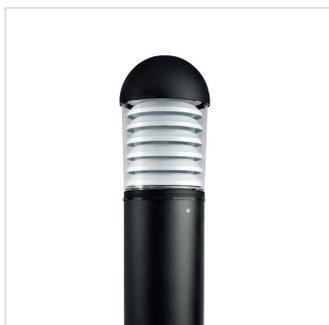
Disclaimer:
All figures +/-10% and specified at 25°C ambient unless stated. Due to constant product development and improvements, Gemma Lighting Ltd reserves the right to change specifications without prior notification or public announcement. Information correct at the time of publication; V250403.

Contact Us

MADE IN BRITAIN®

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