Up/ down wall light As specified below, or similar available product

95555

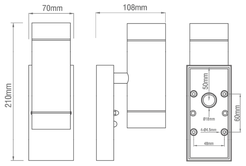
Palin Photocell



FEATURES
- 2 years warranty
- Matt black & clear glass finish
- Constructed from stainless steel & clear glass
- Complete with built in photocell
- 10±5Lux ON ,30±10Lux OFF
- IP44

SPEC DATA

Product Wattage:	2 x Max. 7W GU10 (required)
Dimmable:	No
Product Voltage:	220-240V
Hertz:	50/60
Product Weight (KG):	0.7
Terminal Block:	3-way
Class:	1



ACCESSORIES
70257, 7W GU10 LED 60º, 3000K
70258, 7W GU10 LED 60º, 4000K
74045, 7W GU10 LED 60º, 6000K
92537, 5W GU10 LED blue

Saxby Lighting, Cabot Lane, Creekmoor, Poole, Dorset, BH17 7BY.
T: (+44) 033 00 555 885 F: (+44) 01202 409811 E: sales@saxbylighting.com
www.saxbylighting.com

Bollard light As specified below, or similar available product





Small (Mini/Short) Bollard. To order, change CB20-xxx-xx-x to CBS20-xxx-xx-x.

gemma the UK's lighting company

The Cosham 20W is an IP65 / IK10 rated LED bollard featuring a silver optical controller to ensure minimal upward glare and a symmetrical spread for an enhanced visual experience.

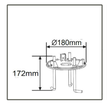
Manufactured from extruded die-cast aluminium and a transparent strong UV stabilised polycarbonate diffuser for high efficiency and vandal resistance.

Options available include Bolt-on Root Mount, Spill Shield, Dali, Mini Photocell and 3hr Emergency.

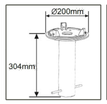
LED IP65 IK10 DALI UK CA CE RoHS

Cosham 20W - LED Bollard

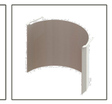
Bollard Lighting



Root Mounting Kit. To be ordered separately, code: **FIX 0053.**



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



Factory fitted Spill Shield. To order, Change CB**20**-xxx-xx-x to CB**H20**-xxx-xx-x.

Features & Benefits

- LED rating **2,640**lm (4K & 6K).
- LED rating **2,233**lm (3K).
- Luminaire flux **2,249**lm(4K & 6K).
- Luminaire flux **1,898**lm (3K).
- Total wattage **20**W.
- Warm White (3K), Neutral White (4K) and Cool White (6K) colour temperature options.
- IP65 / IK10 rated.
- **-20** to **+40**°C operating temperature (Emergency **0** to **+40**°C).
- LED life span > **100,000**hrs.
- Osram LED and Osram driver.
- Easy access to LED and driver via a removable head.
- Options available include Bolt-on Root Mount, 180° Spill Shield, Dali, Mini Photocell and 3hr Emergency.
- Tamper proof fixings for increased vandal resistance.
- Fused main terminal block.
- Small (Mini/Short) bollard version available.

Applications

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

Kelvin Options

3000K Warm White · 4000K Neutral White · 6000K Cool White

Painted Options

Option B RAL 9005

NB: additional RAL colours on request.

www.gemmalighting.com
+44 (0) 2392 315 911

Dimensions

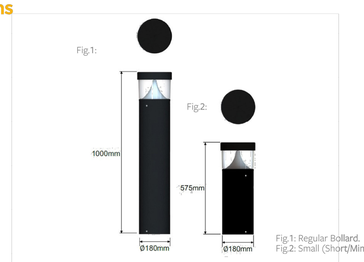


Fig.1: Regular Bollard.
Fig.2: Small (Short/Mini) Bollard.

Specifications

Cosham 20W

Item Number	Description	Light Source	LED Rating (lm)	Total Wattage (W)	CCT(K)	CRI	Voltage (VAC)	Driver Current (mA)	Luminaire Flux (lm)	Luminaire Efficacy (lm/W)	Kg	Height (mm)	Unit Colour
Standard													
CB20-A3C-00-B	Cosham-20W-LED-AC-6K-Std-Black	LED	2,640	20	6K	Ra>70	220-240	350	2,249	112	6.4	1000	Black
CB20-A3N-00-B	Cosham-20W-LED-AC-4K-Std-Black	LED	2,640	20	4K	Ra>70	220-240	350	2,249	112	6.4	1000	Black
CB20-A3W-00-B	Cosham-20W-LED-AC-3K-Std-Black	LED	2,233	20	3K	Ra>80	220-240	350	1,898	95	6.4	1000	Black
Standard - Mini Photocell													
CB20-A3C-04-B	Cosham-20W-LED-AC-6K-Std-M/Photocell-Black	LED	2,640	20	6K	Ra>70	220-240	350	2,249	112	6.4	1000	Black
CB20-A3N-04-B	Cosham-20W-LED-AC-4K-Std-M/Photocell-Black	LED	2,640	20	4K	Ra>70	220-240	350	2,249	112	6.4	1000	Black
CB20-A3W-04-B	Cosham-20W-LED-AC-3K-Std-M/Photocell-Black	LED	2,233	20	3K	Ra>80	220-240	350	1,898	95	6.4	1000	Black
Standard - Emergency													
CB20-A3C-01-B	Cosham-20W-LED-AC-6K-Std-E3-Black	LED	2,640	20	6K	Ra>70	220-240	350	2,249	112	7.2	1000	Black
CB20-A3N-01-B	Cosham-20W-LED-AC-4K-Std-E3-Black	LED	2,640	20	4K	Ra>70	220-240	350	2,249	112	7.2	1000	Black
CB20-A3W-01-B	Cosham-20W-LED-AC-3K-Std-E3-Black	LED	2,233	20	3K	Ra>80	220-240	350	1,898	95	7.2	1000	Black
Standard - Mini Photocell - Emergency													
CB20-A3C-10-B	Cosham-20W-LED-AC-6K-Std-M/Photocell-E3-Black	LED	2,640	20	6K	Ra>70	220-240	350	2,249	112	7.2	1000	Black
CB20-A3N-10-B	Cosham-20W-LED-AC-4K-Std-M/Photocell-E3-Black	LED	2,640	20	4K	Ra>70	220-240	350	2,249	112	7.2	1000	Black
CB20-A3W-10-B	Cosham-20W-LED-AC-3K-Std-M/Photocell-E3-Black	LED	2,233	20	3K	Ra>80	220-240	350	1,898	95	7.2	1000	Black

(table continued overleaf)

www.gemmalighting.com
+44 (0) 2392 315 911

Bulkhead light As specified below, or similar available product

JCC a LEVITON company

JC070075

RadiaLED Rapid

RadiaLED Rapid IP65 4000K 12W + With RIM



Features & Benefits

- 2.5x Faster to install than traditional LED bulkheads
- Detachable terminal, for simple wiring connection
- Multiple cable entry, central and offset rear entry points
- 20mm conduit entry, on top, bottom, sides and rim
- Clip-in tool-less LED gear tray design
- Smooth, even light distribution
- IK10, maximum impact rating
- IP65 protection against dust and moisture
- Emergency, microwave and dimmable options
- Complete with white rim as standard

116° CRI 84 IP 65 IK 10 5yr warranty

General Information

Mounting	**Wall or ceiling**
Trade Name	**RadiaLED**
Environment	**Demanding**
Suitable For Zones	**Suitable for Inside Zone 1**
Product Group	**LED- Surface**
Color Finish	**White**
Product Shape	**Round**
Product Range	**RadiaLED Rapid**
IK Rating	**IK10**
Overall Dimensions	**Ø340 x 98.3**
Height (mm)	**98.3**
Diameter (mm)	**340**
Product Weight(kg)	**1.2**
Light Source	**LED**
Light Source Features	**Neutral White**
Luminaire Accessories	**JC070203 -4 security screws, JC070204 -Tool for RadiaLED Rapid security screws. 5 rim options including eyelid**

Recommended Product Location	**Suitable for interior and exterior applications for ceiling and wall mounting**
Method Of Fix	**Back screw fix or BESA plate mounting**
Distance From Lighted Object	**0.3**
IP Rating	**IP65**
Origin of manufacturer	**China**
Warranty	**5 Year Warranty (See Website for terms and conditions)**
Driver Manufacturer	**KG Power**
LED Manufacturer/Type	**3528/Nationstar**
Lighting Product Type 1	**Ceiling mount**
Lighting Product Type 2	**Wall light**
Customs Tariff code**	**9405119090**

Electrical

Voltage Rating	**220-240**
Primary Running Current(Amp)	**0.16**
Operating Frequency Hz	**50/60**
Secondary running current(mA)	**300**
Constant Current or Constant Voltage	**CC**
Luminaire Circuit Wattage	**12**
Class	**II**
Output Voltage Max/Range (VDC)	**25-40**
EMC Compliant (EN55015)	**Yes**
Power Factor Correction	**0.5**
Input Electrical Connections	**Live, Neutral, with earth provision**
Dimmable	**No**

Thermals

Operating Temperature Range °C	**0 to +45**

Performance Data

LED Life (Hours)*	**60000**
Energy Rating	**This product contains a light source of energy efficiency class F**
Actual Lumen Output	**1250**
Lumens Per Circuit Watt	**104**
Standard Deviation Colour Matching - SDCM	**≤ 6**
Color Rendering Index	**80-89**
CRI: Ra	**84**
Correlated Color Temperature	**4000**
Beam Angle °	**116**
LOR (Light Output Ratio) %	**100**
Photometry Available	**Yes**

Construction

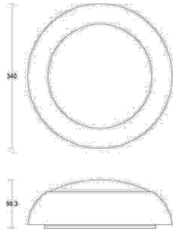
Primary Material	**Polycarbonate**
Outer Diffuser	**Polycarbonate**
LED Brand	**Nationstar**
Heat Sink	**PA6 nylon**
Driver Housing	**Polycarbonate**
Rim Or Attachment	**Polycarbonate**

Packaging

Product carton overall dimensions(cm)	**35 x 35 x 11 cm**
Product Packaged Weight(kg)	**1.48**
Quantity Per Outer Carton	**8**
Outer carton(L)- cm	**72**
Outer carton(W)- cm	**37**
Outer carton(H)- cm	**46.5**
Outer carton Net weight- kg	**11.84**
Outer carton Gross weight- kg	**12.51**
Product Bar Code EAN-13 Number	**5052544106217**
Outer carton Bar Code ITF-14 Number	**15052544106214**

Standards & Approvals

Manufactured In Accordance To	**BS EN 60598-2-1**
CE Marked	**Yes**
UKCA Marked	**Yes**
Date code/Purchase order No.	**Yes**
WEEE Symbol	**Yes**
Certificate Of Conformity	**Available on request**
Accredited Members	**LIA, ISO9001-2015, ISO14001-2015**



Notes

Copyright

© Robert Doughty Consultancy Limited.
All rights described in the Copyright, Designs and Patents Act 1988 have been asserted.

Ordnance Survey Map

© Crown Copyright. OS Licence No: AR 100010613.

Dimensions
All dimensions shown are for the purposes of obtaining the relevant planning permission only.

CDM 2015
This drawing is for illustrative purposes and/or obtaining the relevant planning permission only. It should not be used for construction and accordingly, risk identification under the Construction (Design & Management) Regulations 2015 has not been undertaken.

Rev	By	Description	Date
-	-	-	-

Current revision checked by: -

rdc
Robert Doughty Consultancy

32 High Street, Helpringham
Sleaford, Lincolnshire, NG34 0RA

Tel: 01529 421646
Email: admin@rdc-landplan.co.uk
Web: www.rdc-landplan.co.uk

Client
R K Wilson Builders Ltd

Project
Land off Windmill Lane
Gosberton Risegate

Drawing
Lighting specification sheet

Scale @ A1	Date
NTS	20/08/24
Drawn By	**Checked By**
WW	-

Job Number	Status	Purpose of Issue
1443-4	CC	Condition Compliance

Drawing No. 1443-4_CC_PL01 **Rev** -