

Exterior Lighting

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Aethon



Aethon represents a new generation in area floodlighting. Along with a striking aesthetic, Aethon gives the designer real choice when considering a multitude of applications and scenarios. Pressure cast aluminium provides a robust housing and frame and also acts as an excellent heat sink, ensuring optimum performance from the LED chip array at both low and high ambient temperatures.

Careful design and light shielding helps avoid light trespass helping to alleviate potential planning issues. The Aethon advantage is the suite of optical distributions available combined with multiple outputs gives total design flexibility and scheme efficacy.

- High efficacies of up to 111 Llm/cW which exceed the requirements of UK Building Regulations: Part L and Section 6 (Scotland)
- Operating temperatures of -40°C to +50°C
- Close colour tolerance: MacAdam 3 SDCM
- Complete with ready fixed brackets for efficient installation times
- A choice of three optical distributions means controlled lighting to suit many applications
- NEMA socket included with shorting plug (Large only)
- Low upward distribution element helps in 'dark sky' locations and where light trespass is to be avoided
- IP67 certified

Light Engine and Control Gear Options

- High output, high efficacy LED array optimised for precision floodlights
- Energy efficient fixed output control gear
- 5000°K Ra 80 LED array

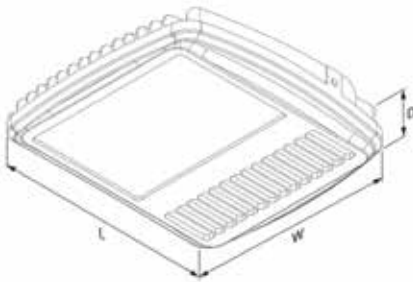
Materials






- Body - Pressure die cast aluminium housing, heat sink and frame. Chromate conversion coating with powdercoat paint finish, RAL 9005
- Lens - Clear flat glass
- Brackets - Steel / Pressure cast aluminium (dependent on option)

Installation Notes

- Complete with pre-attached bracket - select at order stage
- Includes 300mm 3 core 1.5mm² flexible flying lead - easily demountable internally





Dimensions



Aethon Small Bracket	L (mm)	W (mm)	D (mm)
	382.6	335.0	91.0
A 	491.0	335.0	147.6
B 	487.2	335.0	91.0
C 	463.5	339.0	91.0
D 	521.3	335.0	91.0
E 	404.4	335.0	91.0

Photometric Data

Aethon offers the choice of three optical distributions, based on the IESNA standard patterns of light distribution, these are defined as Type 1, Type 3 and Type 5 - see next page for details

Aethon Large Bracket	L (mm)	W (mm)	D (mm)
	561.9	395.0	110.8
A 	700.9	395.0	147.6
B 	666.6	395.0	110.8
C 	674.2	403.0	110.8
D 	701.0	395.0	110.8

Brackets



Type A – Mounting Arm



Type B – Pole Mount Arm



Type C – Large Yoke

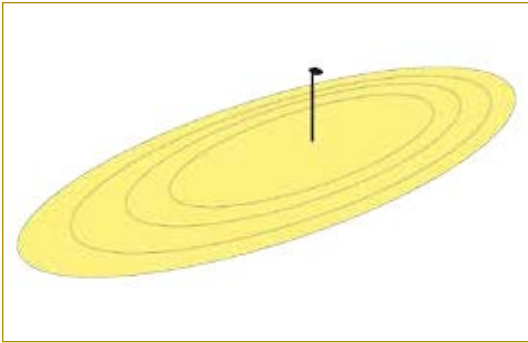


Type D – Two Piece Bracket



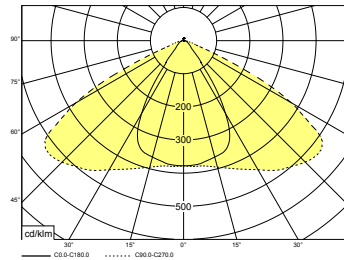
Type E – Easy Hang Wall Plate (Aethon Small only)

Type 1



Type 1

Cat. No: AET1S865KAZ

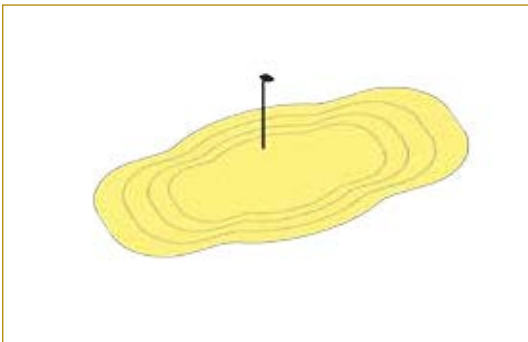


LO 9308 lumens

The lighting distribution is generally narrow and symmetrical in two directions. Its application lends itself to perimeter lighting either on a post or fixed to the side of a building. This distribution is efficient and puts light where it is needed allowing for greater linear spacing potential than wholly symmetrical floodlights.

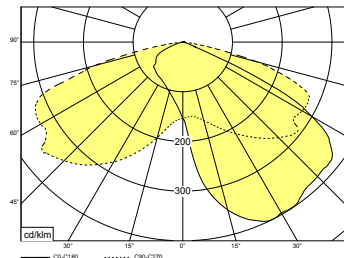
Application – pedestrian paths, perimeter security zones, unadopted narrow roads within private premises.

Type 3



Type 3

Cat. No: AET3S865KAZ



LO 8338 Lumens

This pattern of distribution is used where a greater throw of light is required directly in front of the mounting position as well as maintaining some light distribution to the sides.

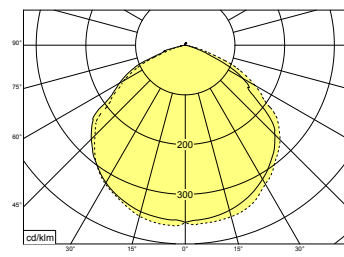
Application – general area floodlighting, unadopted twin carriageway roads within private premises, car parks, marshalling yards.

Type 5



Type 5

Cat. No: AET5S865KAZ



LO 9220 Lumens

Having a symmetrical distribution in all directions, this type of pattern gives good general lighting characteristics where a broad beam is required. This may be mounted on a post, wall or can be used to highlight architectural features.

Application – general areas, car parks, highlighting building, art and structures, marshalling yards, industrial installations.

Catalogue Numbers

Part No	Distribution type	Bracket type	Lumen output	Wattage	Llm/cW	Weight (kg)	Windage
Aethon Small 86Watt							
AET5S865KAZ	5	A	9220	86.0	107.2	6.2	0.072M ²
AET5S865KBZ	5	B	9220	86.0	107.2	6.0	0.044M ²
AET5S865KCZ	5	C	9220	86.0	107.2	6.5	0.042M ²
AET5S865KDZ	5	D	9220	86.0	107.2	6.7	0.047M ²
AET5S865KEZ	5	E	9220	86.0	107.2	5.9	0.037M ²
AET3S865KAZ	3	A	8338	86.0	97.0	6.2	0.072M ²
AET3S865KBZ	3	B	8338	86.0	97.0	6.0	0.044M ²
AET3S865KCZ	3	C	8338	86.0	97.0	6.5	0.042M ²
AET3S865KDZ	3	D	8338	86.0	97.0	6.7	0.047M ²
AET3S865KEZ	3	E	8338	86.0	97.0	5.9	0.037M ²
AET1S865KAZ	1	A	9308	86.0	108.2	6.2	0.072M ²
AET1S865KBZ	1	B	9308	86.0	108.2	6.0	0.044M ²
AET1S865KCZ	1	C	9308	86.0	108.2	6.5	0.042M ²
AET1S865KDZ	1	D	9308	86.0	108.2	6.7	0.047M ²
AET1S865KEZ	1	E	9308	86.0	108.2	5.9	0.037M ²
Aethon Small 120Watt							
AET5S1205KAZ	5	A	12784	121.0	105.7	6.2	0.072M ²
AET5S1205KBZ	5	B	12784	121.0	105.7	6.0	0.044M ²
AET5S1205KCZ	5	C	12784	121.0	105.7	6.5	0.042M ²
AET5S1205KDZ	5	D	12784	121.0	105.7	6.7	0.047M ²
AET5S1205KEZ	5	E	12784	121.0	105.7	5.9	0.037M ²
AET3S1205KAZ	3	A	11229	120.0	93.6	6.2	0.072M ²
AET3S1205KBZ	3	B	11229	120.0	93.6	6.0	0.044M ²
AET3S1205KCZ	3	C	11229	120.0	93.6	6.5	0.042M ²
AET3S1205KDZ	3	D	11229	120.0	93.6	6.7	0.047M ²
AET3S1205KEZ	3	E	11229	120.0	93.6	5.9	0.037M ²
AET1S1205KAZ	1	A	12534	121.0	103.6	6.2	0.072M ²
AET1S1205KBZ	1	B	12534	121.0	103.6	6.0	0.044M ²
AET1S1205KCZ	1	C	12534	121.0	103.6	6.5	0.042M ²
AET1S1205KDZ	1	D	12534	121.0	103.6	6.7	0.047M ²
AET1S1205KEZ	1	E	12534	121.0	103.6	5.9	0.037M ²
Aethon Large 177Watt							
AET5L1775KAZ	5	A	19916	178.0	111.9	12.6	0.103M ²
AET5L1775KBZ	5	B	19916	178.0	111.9	12.0	0.075M ²
AET5L1775KCZ	5	C	19916	178.0	111.9	13.4	0.075M ²
AET5L1775KDZ	5	D	19916	178.0	111.9	12.7	0.078M ²
AET3L1775KAZ	3	A	17538	178.0	98.5	12.6	0.103M ²
AET3L1775KBZ	3	B	17538	178.0	98.5	12.0	0.075M ²
AET3L1775KCZ	3	C	17538	178.0	98.5	13.4	0.075M ²
AET3L1775KDZ	3	D	17538	178.0	98.5	12.7	0.078M ²
AET1L1775KAZ	1	A	19217	178.0	108.0	12.6	0.103M ²
AET1L1775KBZ	1	B	19217	178.0	108.0	12.0	0.075M ²
AET1L1775KCZ	1	C	19217	178.0	108.0	13.4	0.075M ²
AET1L1775KDZ	1	D	19217	178.0	108.0	12.7	0.078M ²

Catalogue Numbers (cont.)

Part No	Distribution type	Bracket type	Lumen output	Wattage	Llm/cW	Weight (kg)	Windage
Aethon Large 281Watt							
AET5L2815KAZ	5	A	30745	276.0	111.4	12.6	0.103M ²
AET5L2815KBZ	5	B	30745	276.0	111.4	12.0	0.075M ²
AET5L2815KCZ	5	C	30745	276.0	111.4	13.4	0.075M ²
AET5L2815KDZ	5	D	30745	276.0	111.4	12.7	0.078M ²
AET3L2815KAZ	3	A	27357	276.0	99.1	12.6	0.103M ²
AET3L2815KBZ	3	B	27357	276.0	99.1	12.0	0.075M ²
AET3L2815KCZ	3	C	27357	276.0	99.1	13.4	0.075M ²
AET3L2815KDZ	3	D	27357	276.0	99.1	12.7	0.078M ²
AET1L2815KAZ	1	A	28826	268.0	107.6	12.6	0.103M ²
AET1L2815KBZ	1	B	28826	268.0	107.6	12.0	0.075M ²
AET1L2815KCZ	1	C	28826	268.0	107.6	13.4	0.075M ²
AET1L2815KDZ	1	D	28826	268.0	107.6	12.7	0.078M ²

For more information on the installation requirements and product specifications, please visit our website: <https://uk.eaton.com/content/gb/en/products/product-catalog/aethon-exterior-light.html>

Galaxy LED



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Galaxy LED is a new low energy solution to a varied range of applications. High efficiency is a key part of its appeal and with a wide range of outputs, is ideal in a multitude of applications.

Galaxy LED is rated to IP65, dust tight and low pressure water jet proof, with a robust die-cast aluminium body.

- High efficacy LED
- Die-cast aluminium construction for a long durable life
- IP65 dust tight and water jet proof for stay clean operation
- Inbuilt inclinometer aids aim and set up
- Outstanding optical performance reduces installed points
- Supplied with three core 1m flying lead
- 10W and 30W versions are available with integrated PIR as an option

LED Options

- Five lumen packages
- >70 CRI
- L70 30,000 hours
- 5000K cool white

Materials

- Body - die-cast aluminium powder coated black
- Lens - toughened glass
- Reflector - high purity, high reflectance, anodised aluminium
- Stirrup - steel powder coated in black finish

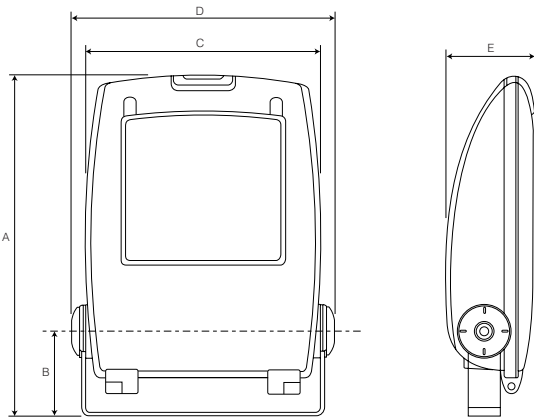
Installation Notes

- Suitable for column, wall and floor mounting
- Stirrup bolts directly to vertical surface for area floodlighting or to floor for façade lighting
- 3 way, 1 x 2.5mm² terminal block
- Aimed by slackening side bolts and positioning angle using inclinometer on stirrup
- Front lens secured by latching clip
- Supplied complete with 1m 3 core 1mm² lead

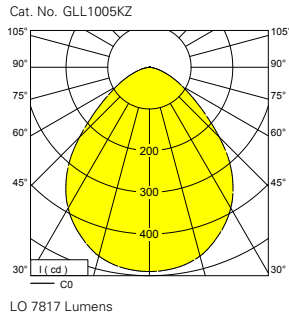
Specification

To specify state: Die cast aluminium floodlight, with symmetrical reflector and toughened safety glass. Finished in black paint finish and dust tight and water jet proof to IP65, as Eaton's Galaxy LED range, part no. _____

Dimensions



Photometric Data



Galaxy LED with PIR Sensor

	A	B	C	D	E
GLL105KZ (10W)	220	83	147	172	55
GLL105KZPIR (10W + PIR)	220	83	147	172	106
GLL305KZ (30W)	314	78	218	243	80
GLL305KZPIR (30W + PIR)	314	78	218	243	131
GLL505KZ (50W)	395	103	291	231	106
GLL1005KZ (100W)	456	119	336	380	112
GLL2005KZ (200W)	620	195	432	482	158

Catalogue Numbers

Part No	With PIR	Lumen Output	Wattage	Llm/cw	Weight (kg)	Weight + PIR (kg)
GLL105KZ	GLL105KZPIR	838	11.85	70.70	1.10	1.22
GLL305KZ	GLL305KZPIR	2655	32.80	81.30	2.97	2.99
GLL505KZ	-	4410	51.50	85.50	5.21	-
GLL1005KZ	-	7817	101.40	77.10	7.32	-
GLL2005KZ	-	17495	220.00	79.30	14.08	-

For more information on the installation requirements and product specifications, please visit our website: <https://uk.eaton.com/content/gb/en/products/product-catalog/galaxy-led-exterior-lighting-floodlight.html>

Chatham



Aluminium - Domed top



Stainless Steel – Domed top

The Chatham range provides a classic and durable solution for a wide variety of outdoor applications. The housing is constructed from either extruded and die cast aluminium or 316 marine grade stainless steel with a tough UV stabilised polycarbonate lens protecting the optical section. Externally rated to IP65 the Chatham range is suited to many environments.

All versions are also available with a three hour maintained emergency option where required. The emergency module is housed securely in an internally mounted IP44 rated chamber.

In addition to the supplied tri-frame mounting bolts, there is a further choice of sturdy mounting options including a root mount post for soft ground and an extended base section for added stability in certain applications.

- A classical slim design that blends into most environments
- Robust aluminium construction for a long durable life – stainless steel option available
- Low glare distribution from the directionally mounted LED array
- A shielded LED array means a very low upward light distribution. This helps towards 'dark sky' environments
- Choice of dome or flat top versions for architectural integration (aluminium only)
- High lumen output from the energy efficient LED system
- All variants are complete with tri-frame mounting bolts – these must be cast in and used as a minimum standard mounting method. For soft ground the alternative Root Mounting Post must be installed
- Operating temperatures of -40°C to +40°C (EM variants +5°C to +35°C)

Light Engine and Control Gear

- High efficacy linear LED light engines
- >80 CRI 5000°K
- Energy efficient LED system

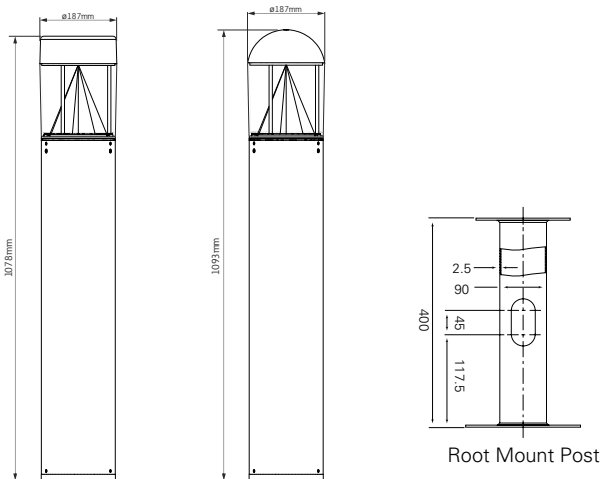
Materials

- Extruded and die cast aluminium, Black powder coated RAL 9005 / 316L Stainless Steel body
- Polycarbonate UV stabilised lens

Installation Notes

- All variants are complete with tri-frame mounting bolts – these must be cast in and used as a minimum standard mounting method below hard standing or compacted sub-layer.
- A minimum of 0.02m³ cast concrete shall be used in conjunction with the tri-frame mounting bolts. The concrete shall be to a minimum depth of 300mm allowing 70mm of thread above finished level
- For soft ground the alternative Root Mounting Post (CHARMP) must be installed
- It is recommended that the base of all bollards are filled with 300mm of sharp sand or other desiccant to inhibit condensation.
- All ground mounted luminaires are liable to some condensation. Condensation may be visible in the Chatham lens area when switched off and will dissipate in use

Dimensions



Options

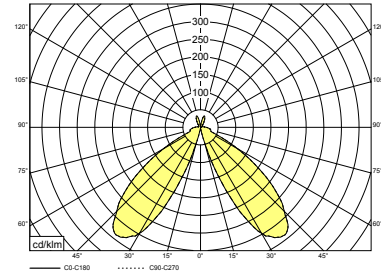
- 3 hour maintained emergency versions
- Additional Support Collar for added stability in challenging environments
- Root Mounting Post for soft ground installations, for added stability and durability
- We offer a range of product support contracts to aid commissioning, reduce your maintenance costs, comply with legislative test requirements and increase the lifespan of your lighting equipment

Specification

To specify state: Chatham range, extruded aluminium construction with powder coat paint finish, / 316 Stainless Steel. High performance low glare distribution with high output light engines. Dust tight and water jet proof to IP65 with IP44 internal chamber for 3 hour integrated emergency versions, as Eaton's Chatham range, part no. _____

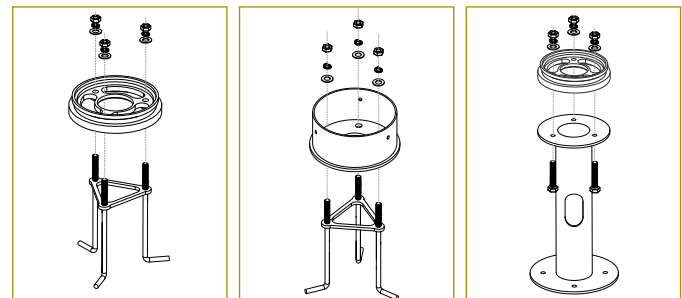
Photometric Data

Cat. No: CHAF17144ZBA



Performance

Description	Lumen Output (lm)	Wattage (W)	Efficacy (Llm/cW)
Chatham bollard	1320	17.4	75.8



Tri-frame mounting bolts

Support collar with tri-frame mounting bolts

Root mounting post

Catalogue Numbers

Description	Cat No.	Weight (kg)	Emergency Cat No.	Weight (kg)
Flat top black aluminium	CHAF17145KZBA	5.8	EBCHAF17145KZBA	7.5
Domed top black aluminium	CHAD17145KZBA	5.6	EBCHAD17145KZBA	7.3
Domed top Stainless Steel	CHAD17145KZSS	9.0	EBCHAD17145KZSS	10.7

Accessories

Description	Cat No	Weight (kg)
Root mounting post	CHARMP	4.2
Support collar	CHASUC	2.4

For more information on the installation requirements and product specifications, please visit our website: <https://uk.eaton.com/content/gb/en/products/product-catalog/chatham-exterior.html>

Penumbra



The Penumbra luminaire offers an energy saving alternative to traditional light sources for amenity area and perimeter lighting applications.

The multi-die LED arrays deliver a long 50,000 hour life and eliminates the need for lamp changes, minimising through life operating and maintenance costs.

A complex cutoff device keeps stray light to the minimum and helps provide a 'Darksky' environment and negates light trespass. The IP65 robust cast aluminium base and safety glass lens offer good impact resistance ideally suited to a variety of applications.

Installation is made simple with integrated features such as the side mount cable glands and rear BESA cable entry options.

- Robust aluminium construction for a long durable life
- Chromate coating - suitable for use in 'near marine' environments
- Low glare distribution from the directionally mounted LED array
- A shielded LED array means a very low upward light distribution. This helps towards 'dark sky' environments
- High lumen output from the energy efficient LED system
- Operating temperatures of -25°C to +40°C
- Not suitable for mounting as an uplighter

Light Engine and Control Gear Options

- High output, high efficacy COB chip sets optimised for demanding applications
- Energy efficient fixed output control gear as standard
- 4000°k Ra 80 LED array

Materials

- Body – Pressure die cast aluminium housing components. Chromate conversion coating with powder coat paint finish, RAL9005
- Lens – clear flat glass

Installation Notes

- Not suitable for mounting as an uplighter
- Complete with 20mm conduit entries and rear BESA type drill starts
- Emergency variants are fused as standard

Options

- Fully integral LED emergency conversion, 3 hour duration in Penumbra G variants
- CGLine+ self-test emergency versions available, reducing maintenance costs and offering ease of compliance with testing requirements
- We offer a range of product support contracts to aid commissioning, reduce your maintenance costs, comply with legislative test requirements and increase the lifespan of your lighting equipment

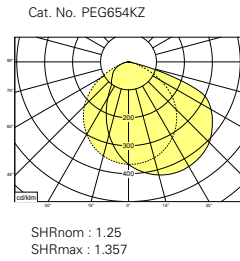
Specifications

- To specify state: Robust wall mounted LED luminaire, of full die cast aluminium construction, Chromate conversion coating with powder coat paint, RAL9005. Dust tight and water resistant to IP65. Asymmetric distribution with no upward light, as Eaton's Penumbra range part no _____



Integral Photocell option

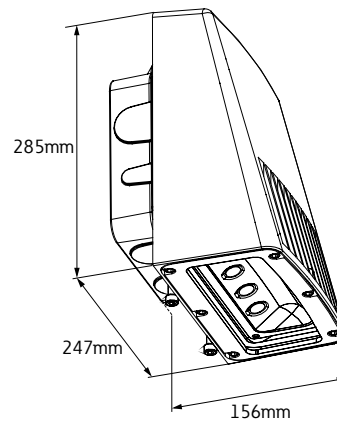
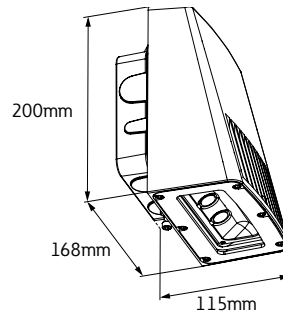
Photometric Data



Reflectances			Utilisation factors / TM5									
			Room Index									
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0	
0.7	0.5	0.2	57	67	75	80	88	93	96	101	104	
0.7	0.3	0.2	49	60	67	73	82	87	92	97	100	
0.7	0.1	0.2	43	54	62	68	77	83	87	94	98	
0.5	0.5	0.2	55	65	72	78	85	89	93	97	100	
0.5	0.3	0.2	48	58	66	72	80	85	89	94	97	
0.5	0.1	0.2	43	53	61	67	75	81	85	91	94	
0.3	0.5	0.2	54	63	70	75	82	86	89	93	96	
0.3	0.3	0.2	47	57	65	70	77	82	86	91	94	
0.3	0.1	0.2	43	53	60	66	74	79	83	88	92	
0	0	0	40	50	57	63	70	75	79	84	87	
BZ-class			5	5	5	4	4	4	4	4	4	

See page 468 for design guide

Dimensions



Catalogue Numbers

Part number	Weight (kg)	Emergency part number	Weight (kg)	Description	Lumen output	Wattage	Llm/cW
Penumbra P							
PEP284KZ	1.9	-	-	Penumbra P 2800 lumen FO	2890	28.3	102.1
PEP284KZPC	2.0	-	-	Penumbra P 2800 lumen FO with integral Photocell	2890	28.3	102.1
PEP404KZ	2.1	-	-	Penumbra P 4000 lumen FO	3879	37.5	103.4
PEP404KZPC	2.2	-	-	Penumbra P 4000 lumen FO with integral Photocell	3879	37.5	103.4
Penumbra G							
PEG624KZ	4.3	EBPEG624KZ	5.1	Penumbra G 6200 lumen FO	6215	54.5	114.0
PEG624KZPC	4.4	EBPEG624KZPC	5.2	Penumbra G 6200 lumen FO with integral Photocell	6215	54.5	114.0

Emergency versions also available with automatic test functionality, e.g. CG Line+

For further information, contact our Technical Support and Application department on 01302 303240 or email LightingTechnicalUK@eaton.com

For more information on the installation requirements and product specifications, please visit our website: <https://uk.eaton.com/content/gb/en/products/product-catalog/penumbra-exterior-eaton.html>

Spirit



6

Available in 2018

Spirit is a new linear lighting system designed to accentuate architecture and space. Available in modular runs with design flexibility at its heart, the Spirit supports RGBW colour change with DMX control, in 'Solid White' with fixed output or DALI control.

Available to order in 2018, details will appear soon in the online product catalogue at uk.eaton.com.

Yas Island
Abu Dhabi



Floodlighting Columns



Designed specifically for the full range of floodlights, these columns and brackets offer a high quality product for most types of application. Floodlights can vary considerably in weight, area projected towards the wind and fixing details. Geographical location also needs to be taken into account when selecting the style and design of column.

In order to simplify selection, floodlighting columns have been carefully chosen to meet the needs of installers when using Aethon and Galaxy LED floodlights. A comprehensive range of brackets complement the columns, providing easy selection for all but exposed locations.

- Extensive range of 4m to 10m columns
- Comprehensive range of mounting brackets
- Simple to select compatibility charts
- Specifically matched systems for safety
- Quality hot dip galvanised steel construction

Luminaire Options

- Galaxy LED
- Aethon

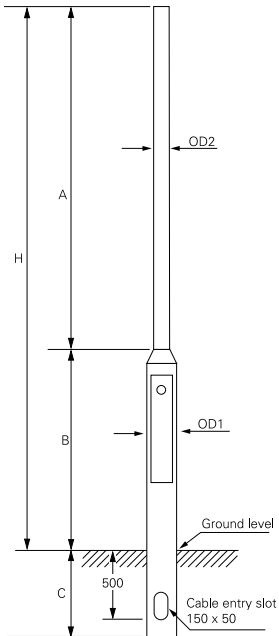
Materials

- Columns - hot dip galvanised tubular steel, bitumen coated root and treated wooden backboard
- Brackets - hot dip galvanised steel

Installation Notes

- Suitable for root mounting, placed into excavated hole in ground
- Support column perpendicular in hole, placing cable duct into entry slot, and backfill with concrete suitable for site conditions
- Alternatively, column can be placed into buried vertical pipe supported by appropriate mass of concrete, grouting gap to give firm fix
- Installer to supply and fit gland plate and fused cut-out to backboard in base compartment
- Access door has tamper resistant lock (key supplied)
- Brackets fitted internally or externally by grub screws
- Column drilled, tapped and supplied with grub screws for internally mounting brackets
- Cable exit points provided on brackets

Dimensions



Note - Actual height is marginally less than nominal height. Addition of brackets and luminaires provides optical centre of approx H

Column Ref	H Nominal	OD1 (mm)	OD2 (mm)	A (mm)	B (mm)	C (mm)
COL476GS	4m	140	76	3000	1000	800
COL576GS	5m	140	76	4000	1000	800
COL676GS	6m	140	76	5000	1000	1000
COL889	8m	168	99	6750	1250	1200
COL8140	8m	194	140	6750	1250	1200
COL10114	10m	168	114	8750	1250	1500
COL10140	10m	194	140	8750	1250	1500

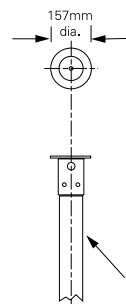
Options

- Columns and bracket combinations listed have been matched specifically to the Eaton brand luminaires listed. Contact us for other options, including exposed locations (installations at altitude or on the coast)
- Columns, when used with floodlight combinations shown, are to BS 5649
- K factor for columns up to and including 8m = 1.8
- K factor for 10m columns = 2.5
- Galvanising to BS729

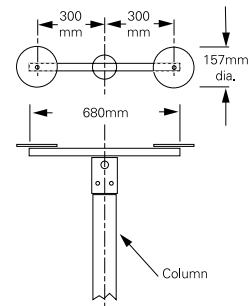
Specification

To specify state: Hot dip galvanised steel root mounted column, with bitumen coated root, single base compartment, tamper resistant lock, key provided, earth terminal and wooden treated backboard. When used with floodlighting brackets system, complies with the requirements of BS 5649, as Eaton's Floodlighting Columns range, part no. _____

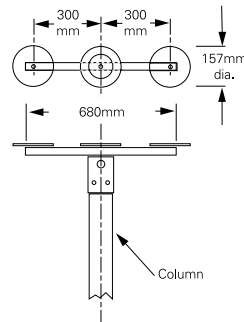
Floodlight bracket 1 way



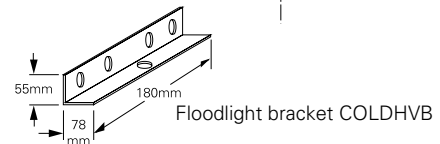
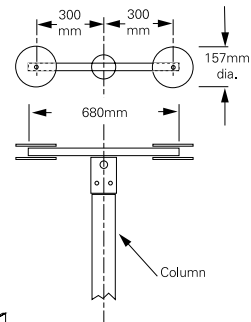
Floodlight bracket 2 way



Floodlight bracket 3 way



Floodlight bracket 4 way



Catalogue Numbers

Column Height	Column Cat No	Floodlighting Bracket and Accessories Cat Nos			
		1 Flood	2 Floods	3 Floods	4 Floods
Galaxy					
4m	COL476GS	COLFB176I	COLFB276I	COLFB376I	COLFB476I
5m	COL576GS	COLFB176I	COLFB276I	COLFB376I	COLFB476I
6m	COL676GS	COLFB176I	COLFB276I	COLFB376I	COLFB476I

Catalogue Numbers

Columns	Cat No	Weight (kg)	Floodlight Brackets	Cat No	Weight (kg)
4m rooted column, shaft with grub screws	COL476GS	34	Single 76mm internal fix	COLFB176I	5
5m rooted column, shaft with grub screws	COL576GS	38	Twin 76mm internal fix	COLFB276I	12
6m rooted column, shaft with grub screws	COL676GS	43	Triple 76mm internal fix	COLFB376I	14
8m rooted column, standard duty	COL889	80	Quad 76mm internal fix	COLFB476I	16
8m rooted column, heavy duty	COL8140	117	Single 89mm external fix	COLFB189E	5.5
10m rooted column, standard duty	COL10114	130	Twin 89mm external fix	COLFB289E	12.5
10m rooted column, heavy duty	COL10140	178	Triple 89mm external fix	COLFB389E	14.5
			Quad 89mm external fix	COLFB489E	15.5
			Single 114mm external fix	COLFB114E	6.0
			Twin 114mm external fix	COLFB214E	13.0
			Triple 114mm external fix	COLFB314E	15.0
			Quad 114mm external fix	COLFB414E	16.0
			Triple 140mm external fix	COLFB3140E	15.5
			Quad 140mm external fix	COLFB4140E	17.0
			Horizontal to vertical stirrup plate	COLDHVB	1.1

Note - Please refer to Strada section for details of columns and brackets for spheres

For more information on the installation requirements and product specifications, please visit our website: <https://uk.eaton.com/content/gb/en/products/product-catalog/exterior-lighting-floodlight-columns.html>