

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

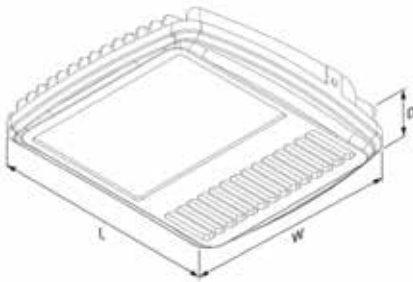
Materials






- 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

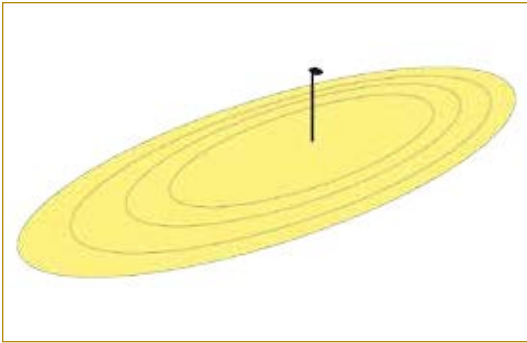


Type D – Two Piece Bracket

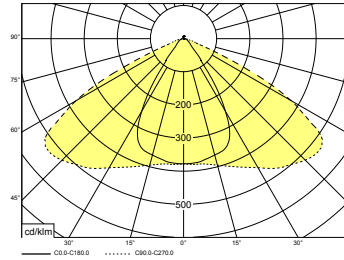


Type E – Easy Hang Wall Plate (Aethon Small only)

Type 1



Type 1
Cat. No: AET1S865KAZ

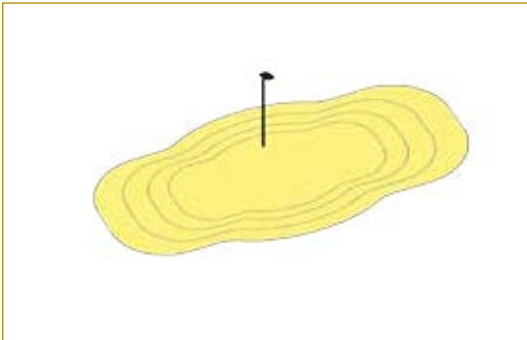


LO 9308 lumens

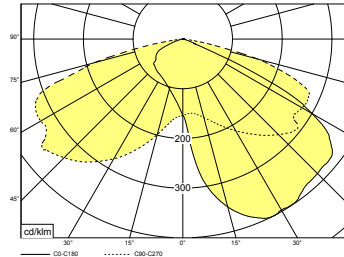
The lighting distribution is generally narrow and symmetrical in two directions. Its application lends itself to perimeter lighting either on a post or fixed to the side of a building. This distribution is efficient and puts light where it is needed allowing for greater linear spacing potential than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

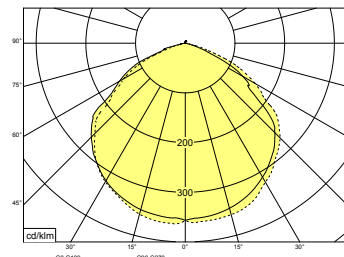
This pattern of distribution is used where a greater throw of light is required directly in front of the mounting position as well as maintaining some light distribution to the sides.

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>