



ST GABRIELS HALL,

TECHNICAL SUBMITTAL

6152_1586-PRO-ZZ-XX-TEC-M-6300

LIGHT FITTINGS

REVISION: P02

June 2024 |

ProMEP Ltd
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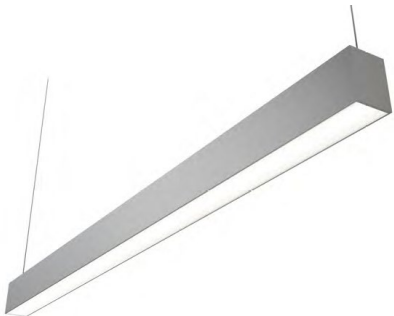
To:	[Project Team]	From:	[Ben Tasker]
Company:	[McLaren Construction Group PLC]	Company:	ProMEP Ltd
Project Name:	[St Gabriels Hall, 1 Oxford Place, Manchester]		
Technical Submittal Reference:	[6152_1586-PRO-ZZ-XX-TEC-M-6300]	Revision:	[P02]
Technical Submittal Title:	[Light Fittings]		
Approval Required:	[25/06/2024]	Approval Received:	[]

General Description:			
[Proposed Light Fittings]			
Specification:			
[The following is the relevant project specification clauses that our proposals must comply with; 22032-CHD-ZZ-XX-SP-N-0001 - P01 - MEP specification with VE where applicable – ProMEP are on a D&B contract therefore some changes from the specification are to be expected.]			
Drawings:			
[The following is the relevant project drawings that our proposals must comply with; NA - See ProMEP E6300 range drawings]			
Schedules:			
[The following confirms the performance requirements of the specification compared with the performance of the proposed equipment for this project.]			
Specification Criteria		Offered Performance	Complaint Y/N
Deviations:			
[The following confirms the performance requirements of the specification compared with the performance of the proposed equipment for this project.]			
Item	Date	Author	Reason
Manufacturers Information:			
[Please see attached manufacturers literature.]			
Installation Method:			
[The following provides any specific and relevant installation information including clarity on any special manufacturer's information, attendances, access requirements or safety risks applicable for this project: See ProMEP RAMS]			

Reviewed by:	Submittal Approval Status			Signed	Date:
	A	B	C		

Status (A: Approved, B: Continue with some comment, C: Rejected) []

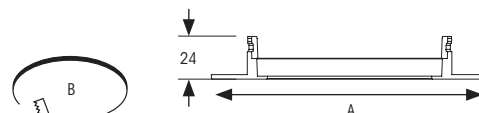
Ref	Image	Description	Manufacturer	Lamp	Area
A		Recessed Luminaire *E = Denotes combined 3hr Emergency Fitting	Ansell	18w LED	Throughout-Common corridors, bedrooms, LKD's
B		Recessed downlight	Ansell	7w LED	Non-pod bathrooms
C		Surface Luminaire *E = Denotes combined 3hr Emergency Fitting	Ansell	13w LED	Stairs (where recessed lights cannot be accommodated)
E1		5 in 1 Exit fitting	Ansell	2W LED	Communal corridors
E2		Emergency bulkhead	Ansell	8 LED (non-maintained)	External above exit doors
F		Weatherguard Plus+ *E = Denotes combined 3hr Emergency Fitting	Ansell	30W LED,	Plant rooms, Bike and Bin stores, Plant enclosure

G		Suspended track lighting	Ansell	60W LED	St Gabriel Chappell Ground floor vaulted ceiling
L	No image	LED under pelmet light supplied and installed by others	TBC	TBC	Kitchen pelmet and above desks
P	SSEN/CR/IP65/WH <i>Infrared Motion Sensor</i> 	PIR	Red Arrow		Throughout
X		Bollard type External Light Fitting	Ansell	22W LED	External
Z		Wall mounted External Light Fitting	Ansell	4 W LED	External – general pathways
Z1		Wall mounted External Light Fitting	Ansell	22 W LED	External – Above entrance doors

Freska



- Economic ultra-slim circular LED performance downlight suitable for education, commercial, healthcare and retail applications
- CCT selectable between 3000K, 4000K and 6000K
- Ideal for use in areas with shallow ceiling void
- Edge lit providing excellent uniform illumination
- Triac dimmable as standard
- Standard and Self-Test Emergency available using the Hawk Kit Emergency Pack



INPUT	HERTZ	TEMP	LIFETIME (HRS)	CRI	SDCM	BEAM ANGLE	CLASS	IP
220/240V	50/60Hz	-20°C to 40°C	L80 54,000	80	6	110°	2	IP44

CODE	DESCRIPTION	WATTAGE	CCT	LUMENS	LM/W	UGR	A	B
AFRE1/1	CCT Selectable - 137mm	9W		945lm (4000K)			137mm	116-126mm
AFRE2/1	CCT Selectable - 180mm	12W	3000/4000/6000K	1260lm (4000K)	105lm/W	25	180mm	162-172mm
AFRE3/1	CCT Selectable - 239mm	18W		1890lm (4000K)			239mm	218-228mm

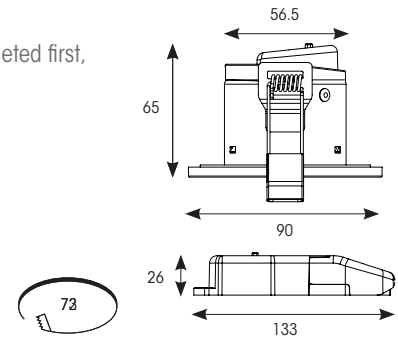
* UGR Value based on (4H - 8H)

CODE (ACCESSORIES)	DESCRIPTION
AHUEMKIT/LI	Maintained/Non-maintained - Universal Emergency Pack
ASBP/12	7.2V 3000mAh Ni-cd Replacement Battery

Prism Pro Fire Rated Downlight



- IP65 dimmable LED Fire Rated Downlight suitable for residential and hospitality applications
- CCT selectable between 2700K, 3000K, 4000K and 6000K and power selectable; offering a choice of 2 outputs, in one luminaire
- New innovative 2 part detachable connector design allows initial wiring and testing to be completed first, then simply plug the downlight back to the connector, ensuring a quick and simple installation
- Remote driver with 2x1.5mm² + CPC loop-in, loop-out colour coded push fit piano terminals provide an easy and efficient installation
- Low profile design and remote driver allows installation into shallow ceiling voids
- Fully tested for 30, 60 and 90 minute ceiling types to meet Part B of Building Regulations
- Fully tested to meet Part C (moisture), Part E (acoustic) and Part L (energy) of Building Regulations
- Wide 65° beam angle for increased light distribution



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CASAMBI



Available bezel options
Chrome, Satin Chrome and Black

INPUT	HERTZ	TEMP	LIFETIME (HRS)	CRI	SDCM	BEAM ANGLE	CLASS	IP
220/240V	50/60Hz	-20°C to 35°C	L70 60,000	80	6	65°	1	IP65

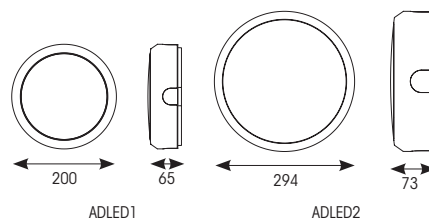
CODE	DESCRIPTION	WATTAGE	CCT	LUMENS	LM/W	UGR
APRIP/1	CCT Selectable	5/7W	2700K/3000K/ 4000K/6000K	560lm - 740lm (4000K)	110lm/W - 105lm/W (4000K)	25
APRIP/1/MP1	CCT Selectable Multipack x 10					

* UGR Value based on (4H - 8H)

CODE (ACCESSORIES)	DESCRIPTION
APRILEDPBZ/CH	Chrome Trim Bezel
APRILEDPBZ/SC	Satin Chrome Trim Bezel
APRILEDPBZ/BLK	Matt Black Trim Bezel
ACFLP/3	LED Emergency Lighting Pack

CODE (ACCESSORIES)	DESCRIPTION
APRILEDP/CP/MW	Converter Kit Matt White
APRILEDP/CP/CH	Converter Kit Chrome
APRILEDP/CP/SC	Converter Kit Satin Chrome
APRILEDP/CP/BLK	Converter Kit Black

- All polycarbonate multi-purpose LED round bulkhead suitable for ancillary areas and industrial applications
- Push fit feed-in, feed-out terminals for speed and ease of installation
- Internal CCT selector switch allows the installer to choose the CCT between 3000K and 4000K
- Supplied c/w optional trim attachment which provides a more commercially aesthetic appearance
- Unique Visiluxe diffuser allows 90% light transmission from LED source for increased performance
- Instant light output and unlimited switching

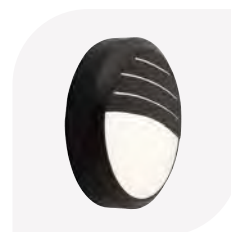


Connected by
WIZ

Matching
OCTO Delta
Connected by WIZ
see p50



Fitted with
White Trim Bezel



Fitted with
Black Trim Bezel

INPUT	HERTZ	TEMP	LIFETIME (HRS)	CRI	SDCM	BEAM ANGLE	CLASS	IP	IK
220/240V	50/60Hz	-10°C to 40°C	L80 60,000	80	6	115°	2	IP65	IK08

CODE	DESCRIPTION	WATTAGE	CCT	LUMENS	LM/W
ADLED1/BV/CCT	CCT Selectable - Black	5W - 8W	3000/4000K	620lm - 1000lm(4000K)	140lm/W(4000K)
ADLED1/WV/CCT	CCT Selectable - White				
ADLED2/BV/CCT	CCT Selectable - Black	7W - 12W	3000/4000K	1000lm - 1700lm(4000K)	140lm/W(4000K)
ADLED2/WV/CCT	CCT Selectable - White				

CODE (OPTIONS)	DESCRIPTION
/PC	Electronic Photocell
/M3	Emergency (ADLED2/**/CCT only)

CODE (OPTIONS)	DESCRIPTION
/MWS	Integral Microwave Sensor (ADLED2/**/CCT only)
/CF	Corridor Function

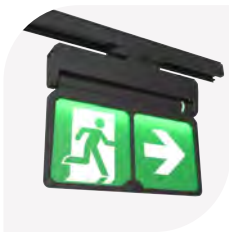
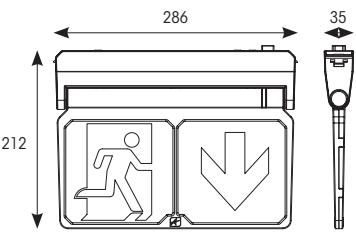
CODE (ACCESSORIES)	DESCRIPTION
ADLED2/BZ/EYE/B	Black Eyelid Bezel Trim (ADLED2/**/CCT only)
ADLED2/BZ/EYE/W	White Eyelid Bezel Trim (ADLED2/**/CCT only)

CODE (ACCESSORIES)	DESCRIPTION
ADLED2/BZ/GRILL/B	Black Louvred Bezel Trim (ADLED2/**/CCT only)
ADLED2/BZ/GRILL/W	White Louvred Bezel Trim (ADLED2/**/CCT only)

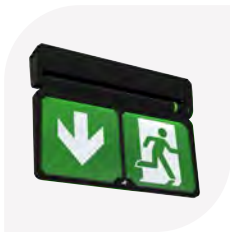
Adler Exit Sign



- Light weight contemporary Ansell design, multiple install options LED Exit Sign
- Rotatable legends to reduce waste and increase flexibility
- One fitting that enables choice of five different mounting options:
Suspension, Recessed, Ceiling surface, Wall surface, Side arm wall mounting
- 1 metre suspension cable supplied as standard
- LiFePO4 Lithium battery provides improved energy consumption, product reliability and lifetime
- Available in black and white finishes
- Self-test emergency as standard
- DALI Emergency option available
- Track adaptor option available allowing installation into Primo Three Circuit Track Systems



AADL/P3/3M/B Three
Circuit Track



Black

INPUT	HERTZ	TEMP	LIFETIME (HRS)	CLASS	IP
220/240V	50/60Hz	0°C to 40°C	L70 50,000	1	IP20

CODE	DESCRIPTION	WATTAGE	CCT	VIEWING DISTANCE
AADL/3M/W	Maintained / Non-Maintained - White	2W	6500K	25 metres
AADL/3M/W/DM3	Maintained / Non-Maintained - White - DALI			
AADL/P3/3M/W	Maintained / Non-Maintained - White - Three Circuit Track			
AADL/3M/BLK	Maintained / Non-Maintained - Black	2W	6500K	25 metres
AADL/3M/BLK/DM3	Maintained / Non-Maintained - Black - DALI			
AADL/P3/3M/B	Maintained / Non-Maintained - Black - Three Circuit Track			

CODE (ACCESSORIES)	DESCRIPTION
AADL/WB/W	Wall Bracket - White
AADL/WB/BLK	Wall Bracket - Black

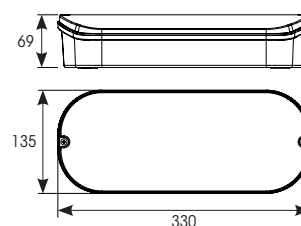
CODE (ACCESSORIES)	DESCRIPTION
AADL/SRK/W	Semi-Recessing Kit - White
AADL/SRK/BLK	Semi-Recessing Kit - Black

CODE (ACCESSORIES)	DESCRIPTION
ASBP/22/LI	3.2V 1000mAh Li-FePO4 Replacement Battery

Osprey High Rack



- Modern slim profile IP65 LED polycarbonate bulkhead
- Compact high polished reflector design to provide required light level from high mounting heights
- High performance LED's and optical performance allows increased spacing ratios
- Self-test as standard
- Aesthetically designed for modern appearance
- 20mm side and rear cable entries



	Open (Anti-Panic) area (0.5 Lux Minimum) **				
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
	10	5.2	14.5	5.2	14.5
	15	5.2	18	5.2	18

	Escape route 2 metres wide (1 Lux minimum) *				
	Mounting Height (M)	Transverse to Wall	Transverse to Transverse	Axial to Wall	Axial to Axial
	2.5	-	-	4.5	20
	4	-	-	2.5	17

INPUT	HERTZ	TEMP	LIFETIME (HRS)	BEAM ANGLE	CLASS	IP	IK
220/240V	50/60Hz	0°C to 40°C	L70 50,000	60°/100°	1	IP65	IK08

CODE	DESCRIPTION	WATTAGE	CCT	STANDARD MODE	EMERGENCY MODE
AOSLED/3M/ST	Maintained / Non-Maintained	8W	6500K	550lm	405lm

CODE (ACCESSORIES)	DESCRIPTION
ASBP/15/LI	6.4V 5500mAh-5 Li-FePO4 Replacement Battery

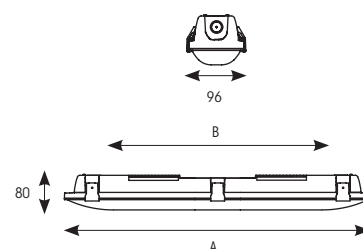
TORNADO

EVO

ELEMENT PROTECTION



- IP65 non-corrosive batten suitable for industrial applications and ancillary areas
- High efficiency up to 160 Lm/W
- CCT selectable between 4000K, 5000K and 6500K and power selectable; offering a choice of 2 outputs, in one luminaire
- Slim sloped diffuser design creates sleek appearance and offers greater light distribution
- LED performance allows point-to-point replacement of existing fluorescent luminaires
- Lockable heavy-duty stainless steel clips supplied as standard for added safety and security
- Whole luminaire illuminates during emergency operation rather than a small area, allowing less emergency versions required on an installation



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CASAMBI



INPUT	HERTZ	TEMP	LIFETIME (HRS)	CRI	SDCM	BEAM ANGLE	CLASS	IP	IK
220/240V	50/60Hz	-20°C to 40°C	L80 100,000	80	3	120°	1	IP65	IK08

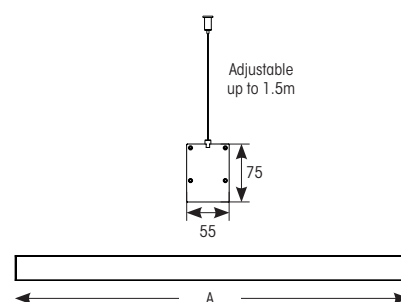
CODE	DESCRIPTION	WATTAGE	CCT	LUMENS	LM/W	A	B
ATORE2/1	CCT Selectable - 600mm	9W/18W	4000K/5000K/6500K	1600lm - 3100lm (4000K)	160lm/W (4000K)	600mm	280mm
ATORE4/1	CCT Selectable - 1200mm	20W/40W		3100lm - 6200lm (4000K)		1200mm	840mm
ATORE5/1	CCT Selectable - 1500mm	30W/60W		4700lm - 9300lm (4000K)		1500mm	1040mm
ATORE6/1	CCT Selectable - 1800mm	35W/70W		5400lm - 10800lm (4000K)		1800mm	1353mm

CODE (OPTIONS)	DESCRIPTION
/SM3	Self-Test Emergency
/DM3	DALI Emergency
/OCTO	OCTO Smart Control

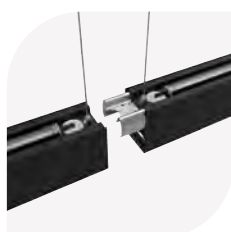
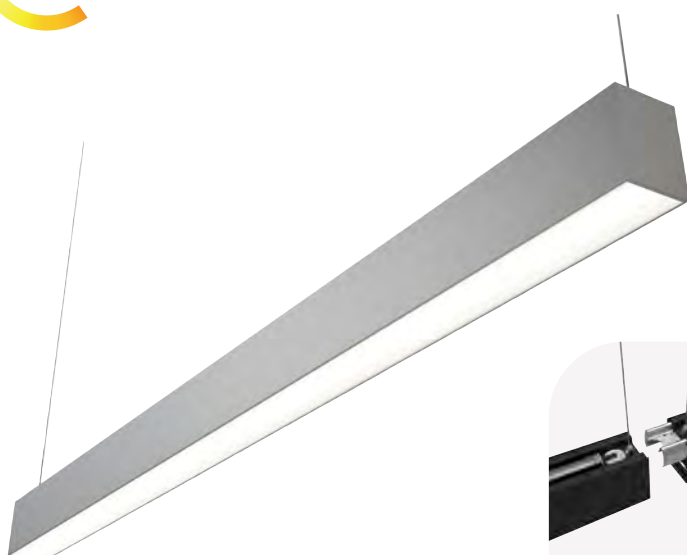
CODE (OPTIONS)	DESCRIPTION
/DD	Digital Dimming (DD1/DD3/DD4)
/MWS	Integral Microwave Sensor
/CF	Corridor Function

Vasco

- Aluminium bi-directional suspended or surface linear suitable for education, commercial and retail applications
- Aluminium extruded construction with integral driver
- Supplied bi-directional light output as standard with 30% upward light and 70% downward light ratio (downward only option can be selected if required, please note light output changes in downward only mode)
- Opal diffuser provides optimal light uniformity
- Selectable CCT between 3000K, 4000K and 6500K output
- Pre-wired with 1.5 metre cable
- Adjustable suspension points c/w suspension kit
- Surface and track mounting available using AVAS/WM/1 and AVAS/P3/1/* accessories
- 1-10V dimmable as standard



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CASAMBI



AVASLED/LC -
Linking Connector



Black



Fitted with AVASLED/90/B
90° Corner Connector

INPUT	HERTZ	TEMP	LIFETIME (HRS)	CRI	SDCM	BEAM ANGLE	CLASS	IP
220/240V	50/60Hz	-20 to 45°C	L80 70,000	80	6	130°	1	IP20

CODE	DESCRIPTION	WATTAGE	CCT	LUMENS	LM/W	UGR	A
AVASLED	1200mm - Aluminium	50W	3000K/4000K/6500K	5300lm (4000K)	105lm/W (4000K)	24	1204mm
AVASLED5	1500mm - Aluminium	60W		6300lm (4000K)	105lm/W (4000K)	23	1204mm
AVASLED/LO	1200mm - Aluminium - LO	15W	3000K/4000K/6500K	1600lm (4000K)	105lm/W (4000K)	20	1504mm
AVASLED5/LO	1500mm - Aluminium - LO	20W		2000lm (4000K)	103lm/W (4000K)	20	1504mm

For black variant add 'B' into the above product codes e.g. **AVASLED5/B**

* UGR Value based on (4H - 8ft)

CODE (ACCESSORIES)	DESCRIPTION
AVASLED/LC	Continuous Linking Connector
AVASLED/90	90° Corner Connector - Aluminium
AVASLED/90/B	90° Corner Connector - Black

CODE (ACCESSORIES)	DESCRIPTION
AVAS/WM/1	Wall Mounting Kit
AVAS/P3/1/W	Track Adaptor - White
AVAS/P3/1/B	Track Adaptor - Black

CODE (OPTIONS)	DESCRIPTION
/M3	Emergency
/SM3	Self-Test Emergency

CODE (OPTIONS)	DESCRIPTION
/OCTO	OCTO Smart Control

SSEN/CR/IP65/WH

Infrared Motion Sensor



Instruction

Instruction for SSEN/CR/IP65/WH infrared motion sensor!

This ceiling recessed PIR sensor utilizes a good sensitivity detector and integrated circuit for energy-saving, safety and practical functionality. It utilizes infrared technology to detect movement of the human body and will switch on the load once someone enters the detection field. It has an inbuilt photocell to detect between day and nighttime operation.

SPECIFICATION:

Voltage: 220-240V/AC

Power Frequency: 50/60Hz

Ambient Light: <3-2000LUX (adjustable)

Time Delay: Min.10sec±3sec

Max.30min±2min

Rated Load: Max.1200W

600W



Detection Range: 360°

Detection Distance: 8m max(<24℃)

Working Temperature: -20~+40℃

Working Humidity: <93%RH

Power Consumption: approx 0.5W

Installation Height: 1.8-4m

Detection Moving Speed: 0.6-1.5m/s

FUNCTION:

- Can identify day and night: The installer can adjust the switching point at different ambient light levels. It can operate in both day and night when the dial is set to the "sun" position (max). It can work at night only when the dial is set towards the "3" position (min). As for the adjustment pattern, please refer to the testing pattern.
- Time-Delay is extended continually: During periods of continued occupancy, the sensor will restart the time delay with each detection of movement.



Good sensitivity

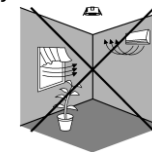
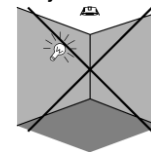
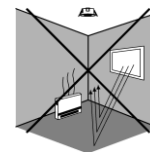


Poor sensitivity

INSTALLATION ADVICE:

As the detector responds to changes in temperature, avoid the following situations:

- Avoid pointing the detector towards objects with highly reflective surfaces, like mirrors etc.
- Avoid mounting the detector near heat sources as heating vents, air conditioners, lights etc.
- Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc.



CONNECTION:

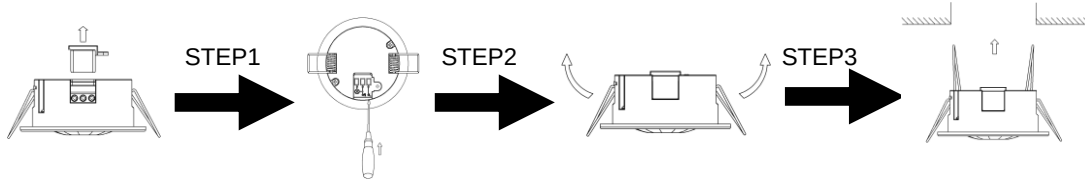


WARNING

- Must be installed by a competent person.
- Disconnect power source.
- Cover or shield any adjacent live components.
- Ensure device cannot be switched on.
- Check power supply is disconnected.

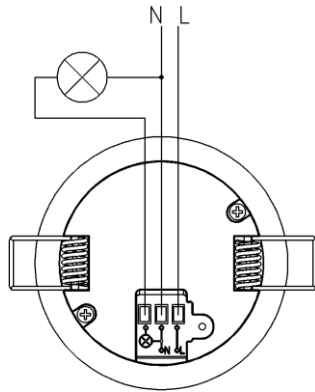
Installation:

- Remove the transparent vinyl cover on the top of the sensor
- Loosen the screws in the terminal, and then connect the power to terminal according to wiring diagram.
- Install the transparent vinyl cover back onto the sensor.
- Fold the metal spring of the sensor upwards, until they are in "I" position with sensor, and then place the sensor into the hole in the ceiling. Release the spring to fix the sensor into position.
- Turn on the power and then test the sensor functionality.

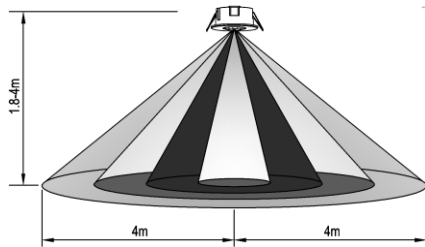


WIRING DIAGRAM:

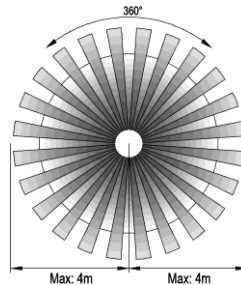
(See the right image)



SENSOR INFORMATION:



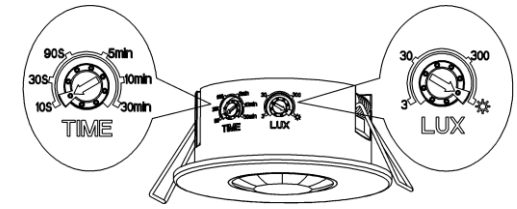
Height of installation: 1.8-4m



Detection Distance: Max.8m

TEST:

- Turn the TIME knob anti-clockwise to the minimum (10S). Turn the LUX knob clockwise to the maximum (sun).
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After a 30sec warm-up period, the sensor will be operational. If the sensor detects movement, the load will turn on. When no further movement is detected, the load should switch off within $10\text{sec} \pm 3\text{sec}$.
- Turn LUX knob anti-clockwise to the minimum (3). If the ambient light is more than 3LUX, the sensor will switch the load off. If the ambient light is less than 3LUX (darkness), the sensor will switch on the load. With no occupancy detected, the sensor will stop working within $10\text{sec} \pm 3\text{sec}$.



Note: when testing in daylight, please turn LUX knob to ☀ (SUN) position, otherwise the sensor lamp may not work!

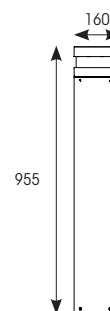
TROUBLESHOOTING:

- The load does not switch on:
 - a. Check the power and the load.
 - b. Please check if the load is operational.
 - c. Please check the light level setting.
- The sensitivity is poor:
 - a. Please check if the sensor is obstructed from detecting movement.
 - b. Please check if the ambient temperature is too high.
 - c. Please check if the movement is in the detection field.
 - d. Please check if the installation height corresponds to the height required in the instruction.
- The sensor does not turn off the load automatically:
 - a. Please check if there is continual movement in the detection field.
 - b. Please check if the time delay is set to the longest duration.
 - c. Please check if the wiring corresponds to the instruction.

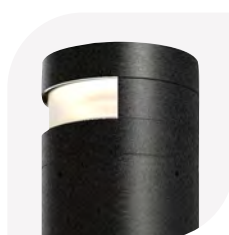
Avio



- Robust die-cast aluminium bollard with a choice of textured finishes suitable for commercial applications
- Half-shield lens option to offer single direction output
- Supplied c/w expansion bolts for mounting
- Non-dimmable



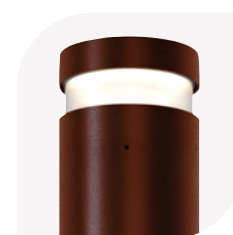
only applies to 3000K variants



Black - Fitted with
Half Shield Accessory



Graphite



Rust

INPUT	HERTZ	TEMP	LIFETIME (HRS)	CRI	SDCM	BEAM ANGLE	CLASS	IP	IK
220/240V	50/60Hz	-10°C to 40°C	L80 50,000	80	5	360°	1	IP65	IK08

CODE	DESCRIPTION	WATTAGE	CCT	LUMENS	LM/W
AAVIO/900/GR/CW	Cool White - Graphite	21W	4000K	800lm	37lm/W
AAVIO/900/BL/CW	Cool White - Black				
AAVIO/900/RU/CW	Cool White - Rust				
AAVIO/900/GR/WW	Warm White - Graphite		3000K		
AAVIO/900/BL/WW	Warm White - Black				
AAVIO/900/RU/WW	Warm White - Rust				

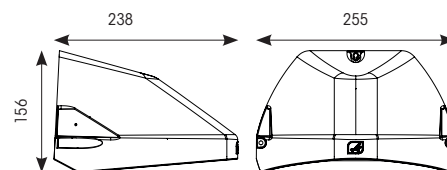
CODE (ACCESSORIES)	DESCRIPTION
AAVIO/HS/GR	Half Shield - Graphite
AAVIO/HS/BL	Half Shield - Black

CODE (ACCESSORIES)	DESCRIPTION
AAVIO/HS/RU	Half Shield - Rust

Wolf Mini



- Modern, robust die-cast aluminium low glare wall pack suitable for commercial and industrial applications
- Advanced lens technology offers wide distribution for optimum spacing and uniformity; whilst ensuring minimal uplight and light pollution
- Reduced light pollution with 0% upward light distribution, helps with compliance with Dark Skies recommendations
- Power selectable; offering a choice of 2 outputs, in one luminaire
- High efficiency up to 125 Lm/W
- Electrostatic paint finish for enhanced corrosion resistance
- Multiple conduit, 20mm East and West side entries and rear BESA mounting
- Dimmable and Smart options available



Powered by
CASAMBI



Only applies to 3000K variant

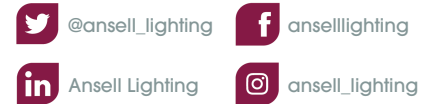
Silver Grey

INPUT	HERTZ	TEMP	LIFETIME (HRS)	CRI	SDCM	BEAM ANGLE	CLASS	IP	IK
220/240V	50/60Hz	-20°C to 40°C	L80 84,000	80	3	70/140°	1	IP65	IK09

CODE	DESCRIPTION	WATTAGE	CCT	LUMENS	LM/W
AWOLF/MINI/BLK	CCT Selectable - Black	4/8W	3000K/4000K	500/1000lm (4000K)	125lm/W (4000K)
AWOLF/MINI/SG	CCT Selectable - Silver Grey				

CODE (OPTIONS)	DESCRIPTION
/SM3	Self-Test Emergency
/DM3	DALI Emergency
/OCTO	OCTO Smart Control

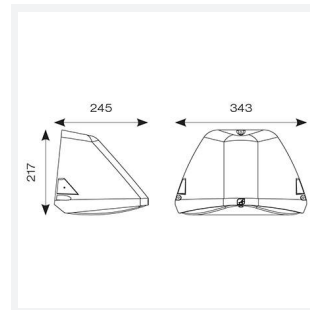
CODE (OPTIONS)	DESCRIPTION
/MWS	Integral Microwave Sensor
/PC	Electronic Photocell
/DD	Digital Dimming (DD1/DD3/DD4)



Wolf

Wolf CCT Multi Wattage Wallpack Black Code: AWOLF/BLK

Category	Bulkheads
Application	Ancillary, Commercial, Healthcare, Hospitality, Industrial, Outdoor, Retail
Specification	Performance



PRODUCT FEATURES

- Modern, robust die-cast aluminium low glare wall pack suitable for commercial and industrial applications
- Reduced light pollution with 0% upward light distribution, helps with compliance with Dark Skies recommendations, helps with compliance with Dark Skies recommendations
- High efficiency up to 120 Lm/W
- Multiple conduit entry and BESA fixing points
- Advanced lens technology offers wide distribution for optimum spacing and uniformity; whilst ensuring minimal uplight and light pollution
- Power selectable; offering a choice of 3 outputs, in one luminaire
- Electrostatic paint finish for enhanced corrosion resistance
- 20mm East and West side entry for surface conduit and through-wire

GENERAL INFORMATION	
Wattage	18/20/30W
Lumens Delivered	2200/2400/3600lm (4000K)
Lm/W	120lm/W (4000K)
Beam Angle	70/140
CRI	82
CCT	3000/4000K
Input	220/240V
Operating Temp	-20°C - 40°C
SDCM	5
Product Weight without Packaging	2.845 kg

TECHNICAL INFORMATION	
Light Source	LED
Colour / Finish	Black
IP Rating	IP65
Class Protection	1
Internal / External	External
Surface / Recessed / Suspended	Pole, Wall
Lumen Depreciation	L80 84,000h
Warranty (Years)	5
CE Mark	Yes
Height	217 mm



Dear Sir/Madam,

Our light fitting, 'Prism Pro,' is designed to be installed in a wide range of ambient temperatures, specifically up to 35 degrees. With this wide range, it guarantees a lumen depreciation of L80 at 44,000 hours. However, if the installed temperature is guaranteed to be no more than 25 degrees, we can confirm that the Lumen Depreciation would be rated at L80 50,000 hours.

I would be happy to provide further information, answer any queries you may have.

Sincerely,

Anthony Parkinson

Anthony Parkinson - Technical Compliance Manager
ANSELL LIGHTING

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