

Ascella CT EM

Emergency Lighting / Batten



DAVIS LIGHTING

Features

- Switchable colour temperature (3000K-4000K-6500K)
- Slim and wide body models
- PMMA opalised diffuser
- Chassis and accessory metal surfaces treated & degreased, finished in a white polyester-epoxy powdercoat and baked for unprecedented protection and the highest quality finish
- Energy efficient electronic control gear
- Rechargeable Lithium LiFePO4 battery
- Knockouts for in-line mounting
- Single point emergency
- Quick and easy installation

Applications

- Commercial buildings
- Offices
- Schools
- Hotels / motels
- Showrooms / galleries

Options

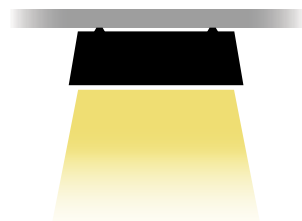
Microwave sensor (Motion + Daylight + ON/OFF)

Standards

Manufactured under ISO 9001:2015 to standards

- AS/NZS 60598.1
- AS/NZS 60598.2.1
- AS/NZS 60598.2.22
- AS/NZS 2293.3
- AS/NZS CISPR 15

Mounting Methods



Surface mounted





Specifications

Model	ACS420CTEM	ACS435CTEM	ACS550CTEM	ACW220CTEM	ACW420CTEM	ACW435CTEM	ACW550CTEM
Operation	Maintained						
Nominal Power (W)	20	35	50	20	20	35	50
Input Voltage	220 - 240 VAC 50 / 60 Hz						
Luminous Flux (lm)	650	660	640	560	610	610	610
Efficacy (lm/W)	32	18	12	28	30	17	12
CRI	≥ 80						
Power Factor	> 0.90						
CCT Switchable (K)	3000-4000-6500						
Beam Angle (°)	100						
Rated Life L70B50 (hr)	30,000						
Ambient Temp. t_a (°C)	35						
Classification (C0/C90)	D100/D40	D100/D40	D80/D40	D80/D50	D80/D63	D80/D63	D80/D63
Weight (kg)	1.5	1.5	1.8	1.2	2.0	2.0	2.6

Specifications shown for 3000K

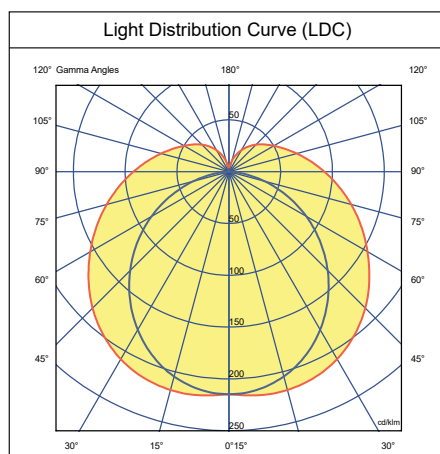
For Microwave Sensor (Motion + Daylight + ON/OFF) option, add S26 code at the back of model number. E.g. ACS420CTEMS26

LED Emergency Kit Specifications

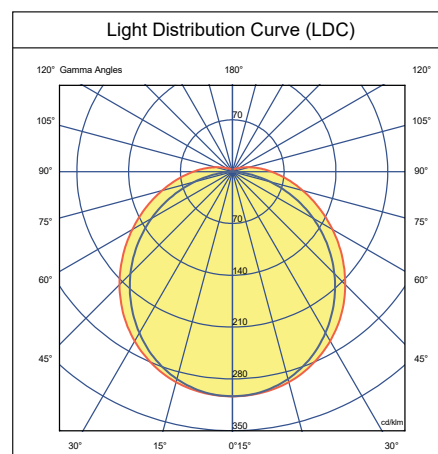
Parameter	Technical Data
Power Consumption	5W maximum and 1W standby
Emergency Output	4W (constant)
Voltage	15V
Current	260mA
Emergency Duration	4 hours
Recharge Time	24 hours
Battery	6.4V 3.0Ah
Battery Type	Lithium LiFePO4
L1 Load Capacity	200W maximum input
Operating Temperature	0-50°C

Lighting Data

ACS435CTEM (3000K)



ACW435CTEM (3000K)



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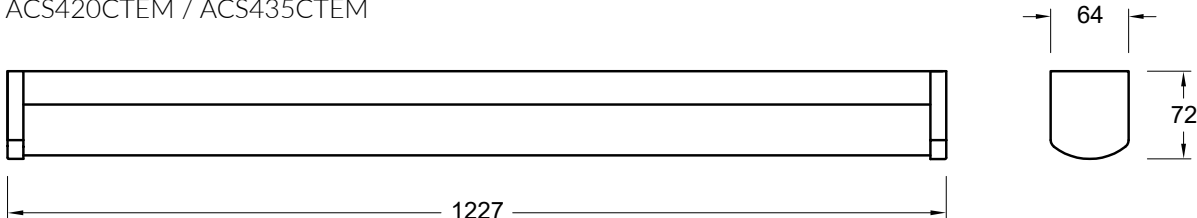


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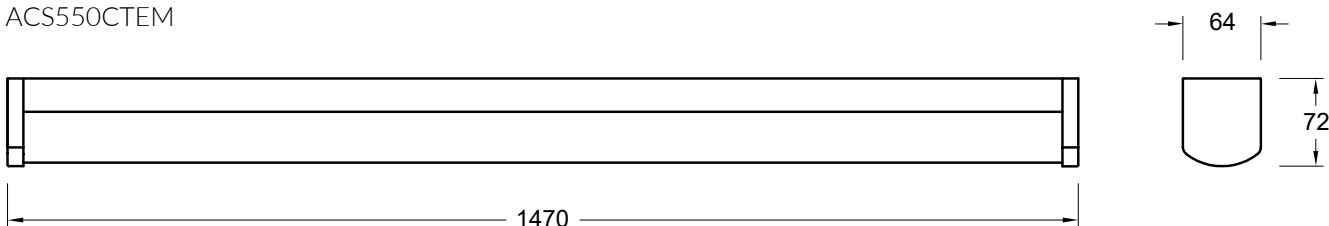
Dimensions

ACS

ACS420CTEM / ACS435CTEM

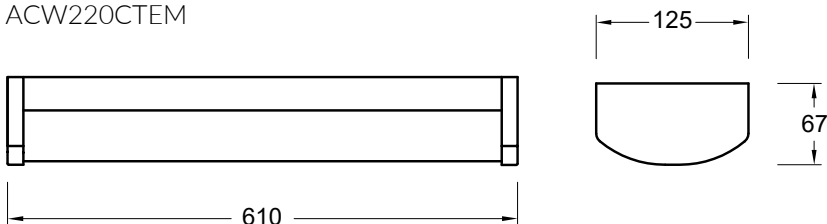


ACS550CTEM

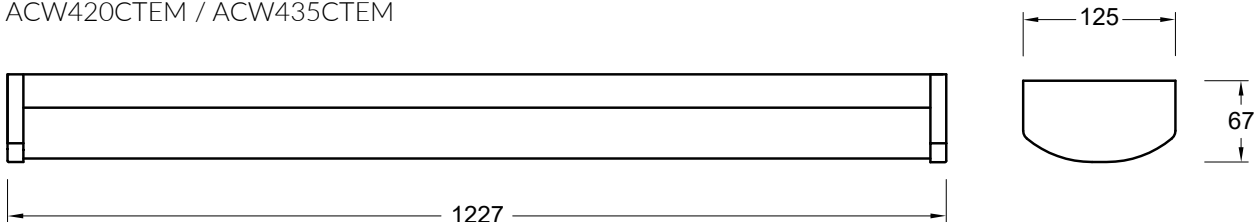


ACW

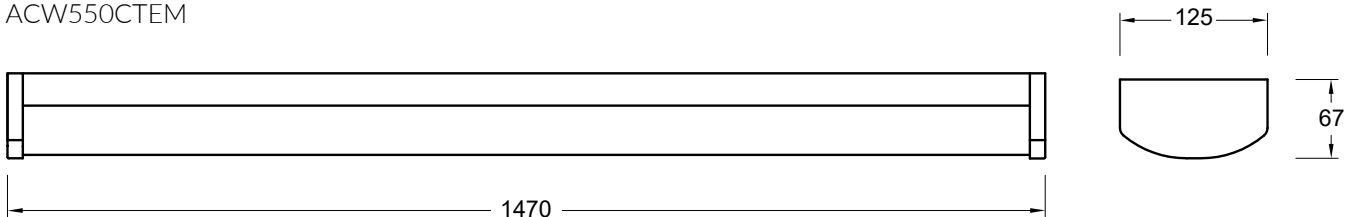
ACW220CTEM



ACW420CTEM / ACW435CTEM



ACW550CTEM





Spacings

Classification D100/D40

Mounting Height (m)			2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	15.0	20.0
Classification			spacing between luminaires (m)															
Plane C0	D100	L	22.7	23.7	24.6	25.5	26.3	27.0	27.9	28.9	29.8	31.4	32.7	33.7	34.6	35.3	36.5	34.5
Plane C90	D40	L	16.7	17.4	18.0	18.6	19.1	19.6	20.1	20.8	21.3	22.1	22.7	23.0	23.1	23.1	19.4	
Classification			spacing between luminaire & wall (m)															
Plane C0	D100	W	11.3	11.8	12.3	12.7	13.1	13.5	13.9	14.4	14.9	15.7	16.3	16.8	17.3	17.6	18.2	17.2
Plane C90	D40	W	8.3	8.7	9.0	9.3	9.5	9.8	10.0	10.4	10.6	11.0	11.3	11.5	11.5	11.5	9.7	
Based on AS2293.1-2005 (minimum 0.2 lux)																		

Classification D80/D63

Mounting Height (m)			2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	15.0	20.0
Classification			spacing between luminaires (m)															
Plane C0	D80	L	21.1	22.0	22.8	23.6	24.3	25.0	25.8	26.7	27.5	28.9	30.0	30.9	31.6	32.1	32.4	28.9
Plane C90	D63	L	19.4	20.3	21.1	21.8	22.4	23.0	23.7	24.5	25.2	26.4	27.4	28.1	28.6	28.9	28.0	22.5
Classification			spacing between luminaire & wall (m)															
Plane C0	D80	W	10.5	11.0	11.4	11.8	12.1	12.5	12.9	13.3	13.7	14.4	15	15.4	15.8	16	16.2	14.4
Plane C90	D63	W	9.7	10.1	10.5	10.9	11.2	11.5	11.8	12.2	12.6	13.2	13.7	14.0	14.3	14.4	14.0	11.2
Based on AS2293.1-2005 (minimum 0.2 lux)																		

Classification D80/D50

Mounting Height (m)			2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	15.0	20.0
Classification			spacing between luminaires (m)															
Plane C0	D80	L	21.1	22.0	22.8	23.6	24.3	25.0	25.8	26.7	27.5	28.9	30.0	30.9	31.6	32.1	32.4	28.9
Plane C90	D50	L	18.0	18.7	19.4	20.1	20.7	21.2	21.8	22.5	23.2	24.2	24.9	25.4	25.7	25.9	23.7	15.2
Classification			spacing between luminaire & wall (m)															
Plane C0	D80	W	10.5	11	11.4	11.8	12.1	12.5	12.9	13.3	13.7	14.4	15	15.4	15.8	16	16.2	14.4
Plane C90	D50	W	9.0	9.3	9.7	10.0	10.3	10.6	10.9	11.2	11.6	12.1	12.4	12.7	12.8	12.9	11.8	
Based on AS2293.1-2005 (minimum 0.2 lux)																		

Classification D80/D40

Mounting Height (m)			2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	15.0	20.0
Classification			spacing between luminaires (m)															
Plane C0	D80	L	21.1	22.0	22.8	23.6	24.3	25.0	25.8	26.7	27.5	28.9	30.0	30.9	31.6	32.1	32.4	28.9
Plane C90	D40	L	16.7	17.4	18.0	18.6	19.1	19.6	20.1	20.8	21.3	22.1	22.7	23.0	23.1	23.1	19.4	
Classification			spacing between luminaire & wall (m)															
Plane C0	D80	W	10.5	11	11.4	11.8	12.1	12.5	12.9	13.3	13.7	14.4	15	15.4	15.8	16	16.2	14.4
Plane C90	D40	W	8.3	8.7	9.0	9.3	9.5	9.8	10.0	10.4	10.6	11.0	11.3	11.5	11.5	11.5	9.7	
Based on AS2293.1-2005 (minimum 0.2 lux)																		

