

Luminaire Data Sheet

EMD200R



EMD200R is a range of high efficiency recessed emergency downlights designed for use in public spaces and commercial interiors. Available with open area (anti-panic) and corridor (escape route) optics for a comprehensive emergency lighting solution. EMD200R has a 50,000 hour service life backed by an industry leading 8 year warranty.



- White finish as standard, black also available
- Industry leading 8 year warranty
- CCT - 4000K
- CRI: >80
- Sealed to IP20
- 50,000 hours service life



Detail	EMD200WH/R/OA	EMD200WH/R/CR	EMD200BL/R/OA	EMD200BL/R/CR
Color	White	White	Black	Black
Mains Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Standby Power	< 0.5W	< 0.5W	< 0.5W	< 0.5W
Emergency Output Power	1.5W	1.5W	1.5W	1.5W
Lumen Output	190lm	170lm	190lm	170lm
Rated Emergency Duration	3 hours	3 hours	3 hours	3 hours
Battery Charge Time	8 Hours	8 Hours	8 Hours	8 Hours
Operating Temperature	0 to 40°C	0 to 40°C	0 to 40°C	0 to 40°C
Insulation Class	Class II	Class II	Class II	Class II
Ingress Protection	IP20	IP20	IP20	IP20
Impact Protection	IK 06	IK 06	IK 06	IK 06
Dimensions (Dia)	45mm	45mm	45mm	45mm
Battery Compatibility	1 x 18650 Li-ion 3.6V 2.5Ah	1 x 18650 Li-ion 3.6V 2.5Ah	1 x 18650 Li-ion 3.6V 2.5Ah	1 x 18650 Li-ion 3.6V 2.5Ah
Beam Angle	Open Area 127°	Corridor 147° x 80°	Open Area 127°	Corridor 147° x 80°
Rated Supply Voltage	220-240V AC	220-240V AC	220-240V AC	220-240V AC



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SELF - TEST

Green LED	Red LED	Status
on	Off	Standby
Slow Flash	Off	Charging
Fast Flash	Off	Function test or duration test in progress
Off	On	Battery Disconnected / Duration Test
Off	Fast Flash	Battery temp out of operational range
Off	Slow Flash	Light source failure

Materials

Housing	Polycarbonate
Finish	Matt
Colour	White/Black
Screws	Nickel Steel

LED Light Source

Type	5050
CCT	4000K
CRI	>80
LED Lifetime	50000 hrs

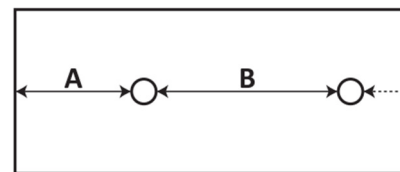
Corridor Optic

Spacing for escape routes

Mounting Height	A	B
2.5	6.1	14.9
3	6.7	16.1
4	5.2	18.4
5	4.8	17.5

Calculated to achieve 1.0 lux Min

Escape Routes (2m wide)



Open Area Optic

Spacing for escape routes

Mounting Height	A	B
2.5	3.7	9.0
3	3.9	9.8
4	3.8	10.9
5	1.9	11.4

Calculated to achieve 1.0 lux Min

Open Area Optic

Spacing for undefined escape routes & open (Anti panic) areas

Mounting Height	A	B
2.5	4.5	10.7
3	4.9	11.8
4	5.4	13.5
5	5.7	14.8
6	5.0	15.7
7	2.9	16.2

Calculated to achieve 1.0 lux Min

Note: Values shown are for guidance only

Open (Anti-Panic) Areas

