Mission S12

IP65 | IK10 (20J) | Linear | Class I | Surface | HT50°C | TM65/66

Transport

Mission S12 is a linear luminaire specifically designed in accordance with fire precautions for subsurface rail stations (Section 12).

Standard Colours

Pure White | Matt Silver

Product Information

Mission S12's uniform illumination ensures a consistent light distribution, enhancing visibility and reducing glare. Incorporating a removable gear tray ensures Mission S12 is quick and easy to maintain, whilst enabling sustainable technology upgrades.
Mission S12 Complies with London Underground subsurface standard S1085 utilising low smoke, zero halogen cables and control gear.
Applications include covered platforms, general circulation areas, ticket areas, station forecourts and underpasses.
This luminaire is designed for longevity and sustainability and adheres to our circular design principles. We conduct a circular economy assessment using TM66 and measure embodied carbon ($kgCO_2e$) in accordance with TM65.2.

Impact Resistance Rating: IK10 (20J). What is IK Rating?
Ingress Protection Rating: IP65. What is IP Rating?
Housing: Extruded aluminium body and die cast aluminium end caps.
Paint: Polyester powder coat. All Colour Options Available Here.
Diffuser: Laminated toughened glass diffuser in frame secured with tamperproof screws.
Driver: Electronic control gear on removable tray for ease of repair/upgrade with fused plug & socket connector block.
Mounting: Ceiling.
Cable Entry: Provision for conduit entry in back.
Transport For London: PIR Reference PIR 10037.
Design Life: 30+ years. What is Design Life?

Technical Information

MissionS12	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L353mm				
D599-1-1500N-X-PW-ST	1512	15.4	98	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	3.4	CRI>80	-	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	500	-
	Dimensions			
	235mm x 95mm			
D599-1-2500N-X-PW-ST	2148	22.9	94	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	3.4	CRI>80	-	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	500	-
	Dimensions			
	235mm x 95mm			
D599-1-1500W-X-PW-ST	1436	15.4	93	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	3.4	CRI>80	-	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	475	-
	Dimensions			
	235mm x 95mm			
D599-1-2500W-X-PW-ST	2041	22.9	89	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	3.4	CRI>80	-	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	475	-
	Dimensions			
	235mm x 95mm			
L703mm				
D599-2-1500N-X-PW-ST	1636	15.8	104	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	5.7	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	573	-
	Dimensions			
	235mm x 95mm			

MissionS12	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L703mm				
D599-2-2000N-X-PW-ST	1996	19.2	104	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	5.7	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	573	-
	Dimensions			
	235mm x 95mm			
D599-2-2500N-X-PW-ST	2390	23.3	103	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	5.7	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	573	-
	Dimensions			
	235mm x 95mm			
D599-2-3000N-X-PW-ST	2695	27	100	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	5.7	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	573	-
	Dimensions			
	235mm x 95mm			
D599-2-1500W-X-PW-ST	1554	15.8	98	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	5.7	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	544	-
	Dimensions			
	235mm x 95mm			
D599-2-2000W-X-PW-ST	1896	19.2	99	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	5.7	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	544	-
	Dimensions			
	235mm x 95mm			

MissionS12	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L703mm				
D599-2-2500W-X-PW-ST	2271	23.3	97	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	5.7	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	544	-
	Dimensions			
	235mm x 95mm			
D599-2-3000W-X-PW-ST	2560	27	95	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	5.7	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	544	-
	Dimensions			
	235mm x 95mm			
L1303mm				
D599-4-3000N-X-PW-ST	3433	28.4	121	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	9.9	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	819	-
	Dimensions			
	235mm x 95mm			
D599-4-4000N-X-PW-ST	4228	35.7	119	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	9.9	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	819	-
	Dimensions			
	235mm x 95mm			
D599-4-5000N-X-PW-ST	4988	43.2	115	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	9.9	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	819	-
	Dimensions			
	235mm x 95mm			

MissionS12	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L1303mm				
D599-4-6000N-X-PW-ST	5695	50.9	112	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	9.9	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	819	-
	Dimensions			
	235mm x 95mm			
D599-4-3000W-X-PW-ST	3261	28.4	115	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	9.9	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	778	-
	Dimensions			
	235mm x 95mm			
D599-4-4000W-X-PW-ST	4017	35.7	113	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	9.9	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	778	-
	Dimensions			
	235mm x 95mm			
D599-4-5000W-X-PW-ST	4739	43.2	110	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	9.9	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	778	-
	Dimensions			
	235mm x 95mm			
D599-4-6000W-X-PW-ST	5410	50.9	106	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	9.9	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	778	-
	Dimensions			
	235mm x 95mm			

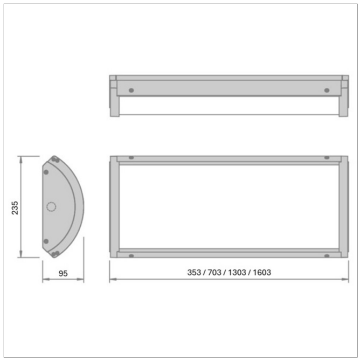
MissionS12	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L1603mm				
D599-5-3750N-X-PW-ST	4294	34.5	124	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	872	-
	Dimensions			
	235mm x 95mm			
D599-5-5000N-X-PW-ST	5200	43	121	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	872	-
	Dimensions			
	235mm x 95mm			
D599-5-6250N-X-PW-ST	6260	53	118	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	872	-
	Dimensions			
	235mm x 95mm			
D599-5-7500N-X-PW-ST	7191	62.9	114	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	872	-
	Dimensions			
	235mm x 95mm			
D599-5-3750W-X-PW-ST	4079	34.5	118	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	828	-
	Dimensions			
	235mm x 95mm			

MissionS12	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L1603mm				
D599-5-5000W-X-PW-ST	4940	43	115	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	828	-
	Dimensions			
	235mm x 95mm			
D599-5-6250W-X-PW-ST	5947	53	112	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	828	-
	Dimensions			
	235mm x 95mm			
D599-5-7500W-X-PW-ST	6831	62.9	109	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	14	CRI>80	50	$L_{70}B_{10}$>120,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	828	-
	Dimensions			
	235mm x 95mm			

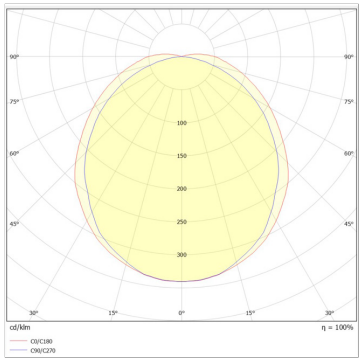
Fitting Options

Maintained Emergency 3 Hour, Self Test	-ES
Change Over Relay, 240V Relay Supplied	-ER
Central Battery Maintained 110V	-EV
Maintained Emergency 3 Hour, DALI	-ED
Maintained Emergency 3 Hour	-E3
Pure White	-PW
Matt Silver	-MS
Switch Dimming	-DI
DALI-2 Dimming / Monitoring	-DA

- For paint colour options, please replace -PW with required paint code.
- HT Applies for standard version. For any options (e.g.-E3), please contact technical sales on +44 (0)20 8254 2022 or email technical@designplan.co.uk.
- -DA / -DI cannot be combined with -E3 / -ES / -ED options on 353mm and 703mm versions.
- -ED is not available on the 353mm or 703mm versions.



Mission S12 Drawing



Mission S12 Polar Curve