Arculus Linear Surface

IP65 | IK16 (150J) | Linear | Class I | Surface

Secure Healthcare

Arculus Linear Surface is a ligature resistant luminaire specifically designed for challenging environments such as secure healthcare facilities.

Standard Colours

Matt White | Matt Titanium

Product Information

Arculus Linear Surface's opal diffuser provides a soft lit appearance, while providing a functional light for tasks. The discreet side mounted fixing ensures a clean, unobtrusive aesthetic.

Arculus Linear Surface is designed to meet the requirements of "Design in Mental Health Network's (DiMHN) Testing Guidance for Products in Mental Health Facilities" rating LIG5-5, with a ligature resistant design to help prevent self-harming. It is designed to be disassembled and reinstated to ensure maintenance can be undertaken quickly and easily after anti-pick mastic application.

Secure health applications include corridors and circulation spaces, therapy rooms, communal and exercise areas. Custodial applications include video conferencing, ancillary areas and educational environments.

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: IK16 (150J). Learn More.
Ingress Protection Rating: IP65. Learn More.
Housing: Zinc coated steel body and frame.
Paint: Polyester powder coat. All Colour Options Available Here.
Diffuser: Flush opal polycarbonate diffuser in frame with side mounted tamperproof fixings.
Driver: Electronic control gear on a removable tray for ease of repair/upgrade with fused plug & socket connector block.
Mounting: Ceiling.
Cable Entry: Provision for cable entry in back.
Design Life: 30+ years. Learn More.

Technical Information

ArculusLinearSurface	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L740mm				
ARL-2-1600W-MW	1626	12.9	126	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	7.8	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	C	694	510
	Dimensions			
	217mm x 90mm			
ARL-2-2900W-MW	2938	22.3	132	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	7.8	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	C	694	510
	Dimensions			
	217mm x 90mm			
ARL-2-1700N-MW	1703	12.9	132	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	7.8	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	731	510
	Dimensions			
	217mm x 90mm			
ARL-2-3100N-MW	3073	22.3	138	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	7.8	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	731	510
	Dimensions			
	217mm x 90mm			
L1306mm				
ARL-4-2700W-MW	2686	20.6	131	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	12.5	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	C	713	502
	Dimensions			
	217mm x 90mm			

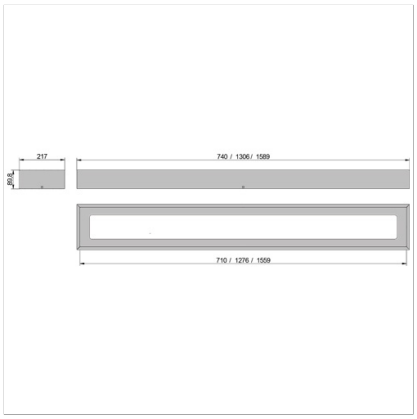
ArculusLinearSurface	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L1306mm				
ARL-4-5300W-MW	5347	39.4	136	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	12.5	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	C	713	502
	Dimensions			
	217mm x 90mm			
ARL-4-2700N-MW	2725	20.6	133	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	12.5	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	750	502
	Dimensions			
	217mm x 90mm			
ARL-4-5500N-MW	5540	39.3	141	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	12.5	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	750	502
	Dimensions			
	217mm x 90mm			
L1589mm				
ARL-5-3100W-MW	3110	22.5	138	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	13.9	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	C	697	498
	Dimensions			
	217mm x 90mm			
ARL-5-7100W-MW	7063	51.3	138	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	13.9	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	C	697	498
	Dimensions			
	217mm x 90mm			

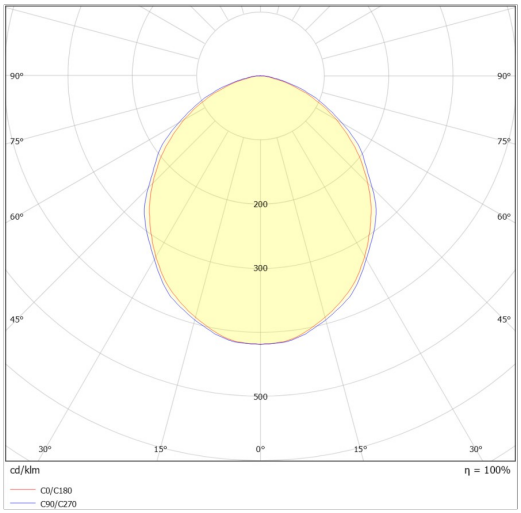
ArculusLinearSurface	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L1589mm				
ARL-5-3200N-MW	3230	22.5	144	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	13.9	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	734	498
	Dimensions			
	217mm x 90mm			
ARL-5-7400N-MW	7368	51.3	144	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	13.9	CRI>80	-	$L_{70}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	734	498
	Dimensions			
	217mm x 90mm			

Fitting Options

Night Light	-NL
Microwave Sensor - Advanced	-M2
Microwave Sensor - Basic	-M1
DALI-2 Dimming / Monitoring	-DA
Emergency Lithium DALI	-EK
Emergency Lithium, Self Test	-EJ
Emergency Lithium	-EL
Matt White	-MW
Matt Titanium	-MT
Corridor Function	-CF

- For paint colour options, please replace -MW with required paint code.
- -CF will only work if combined with -M1 or -M2, or an external presence detection sensor supplied by others.
- -DA and -M1 / -M2 options cannot be combined.
- If you require more than one fitting option, please contact technical sales on +44 (0)20 8254 2022 or email technical@designplan.co.uk.
- For night light LED energy efficiency class E, LED Lifetime $L_{70}B_{10}$ >100,000h at 25 C ambient and Driver Lifetime up to 100,000h at 25 C ambient.





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