

# Linear ARC 50



# Product Technical Specifications Sheet

# Linear ARC 50

<b>Product Name</b>	Linear ARC 50
<b>Category</b>	Linear Light   Suspended and or Surface Luminaires
<b>Description</b>	High efficient continuous linear light with Vossloh-Schwabe SMD LEDs and advanced lens technology



Dimensions			
Product Code	Length Options (mm)	Width (mm)	Height (mm)
LA50	300, 600, 900, 1200, 1500 1700, 2000, 2300, 3400 4000, 4500, continuous on request	50	70

## APPLICATIONS

Shop and Retail Stores  
 Health & Care (Hospitals)  
 Architectural  
 Industrial

Art & Culture / Galleries/Museums  
 Hotel & Wellness  
 Office  
 Educational Facilities

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Available finishes	MK (Matt Black), MW (Matt White), Z (RAL to be confirmed)
Colour Rendering Index (CRI)	CRI80+   CRI90+ available on request
Driver Control Options	Bluetooth Low Energy / DALI / Non-Dim
Fitting Material	All powder coated aluminium construction
Heat Dissipation	Galvanized Steel Housing as Heat Sink (Passive Cooling)
IP Rating	IP20
LED Colours (CCT)	High Efficiency Vossloh-Schwabe LEDs – 3000K, 4000K, 5000K
LED SMD chip tye	Vossloh-Schwabe
LED Operating Lifetime	L80/B10 > 54,000 hrs at Ta = 25° Celsius
Manufacture	Designed and Manufactured by ARC Lighting Factory in South Africa
Mounting Type	Various mounting and suspension options
Operating Temperature	Min 0°C / Max 25°C.
Optic Type	Opal 030 Diffuser
Optional Add-ons	Available with built-in emergency gear
Power connection	1 AC power feed for continius illumination
Standards	SANS 60598-2-1
Supply Voltage	Operating Voltage / Frequency: 220-240V AC   50-60Hz
Total Weight	
Product Warranty	5-year warranty as per ARC Lighting standard terms of warranty
Wattage	Refer to Opital and Electrical Characteristics table

Optical and Electrical Characteristics						
Product Code	Length (mm)	Draw Power (W)	Colour Temp (K)	Current	LED Luminous Flux (lm) *	Efficiency (lm/W) *
LA50308W3K	300	7.9	3000	350mA	1,116	141.27
LA506016W3K	600	15.8	3000	350mA	2,231	141.20
LA509024W3K	900	23.7	3000	350mA	3,346	141.18
LA5012032W3K	1,200	31.6	3000	350mA	4,460	141.14
LA5015040W3K	1,500	39.5	3000	350mA	5,576	141.16
LA5017047W3K	1,700	47.4	3000	350mA	6,692	141.18
LA5020055W3K	2,000	55.3	3000	350mA	7,807	141.18
LA5023063W3K	2,300	63.2	3000	350mA	8,922	141.17
LA5028079W3K	2,800	79	3000	350mA	11,152	141.16
LA5034095W3K	3,400	94.8	3000	350mA	13,383	141.17
LA50400111W3K	4,000	110.6	3000	350mA	15,613	141.17
LA50450126W3K	4,500	126.4	3000	350mA	17,844	141.17
LA503012W3K	300	11.7	3000	500mA	1,559	133.25
LA506023W3K	600	23.4	3000	500mA	3,116	133.16
LA509035W3K	900	35.1	3000	500mA	4,674	133.16
LA5012047W3K	1,200	46.8	3000	500mA	6,232	133.16
LA5015059W3K	1,500	58.5	3000	500mA	7,790	133.16
LA5017070W3K	1,700	70.2	3000	500mA	9,348	133.16
LA5020082W3K	2,000	81.9	3000	500mA	10,906	133.16
LA5023093W3K	2,300	93.6	3000	500mA	12,464	133.16
LA50280117W3K	2,800	117	3000	500mA	15,580	133.16
LA50340140W3K	3,400	140.4	3000	500mA	18,696	133.16
LA50400164W3K	4,000	163.8	3000	500mA	21,812	133.16
LA50450187W3K	4,500	187.2	3000	500mA	24,928	133.16

\* Values accurate to within 10% and include an 18% light loss as a result of the diffuser  
 Product code example: LA5023093W3K

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### Optical and Electrical Characteristics

Product Code	Length (mm)	Draw Power (W)	Colour Temp (K)	Current	LED Luminous Flux (lm)*	Efficiency (lm/W)*
LA50308W4K	300	7.9	4000	350mA	1,110	140.51
LA506016W4K	600	15.8	4000	350mA	2,219	140.44
LA509024W4K	900	23.7	4000	350mA	3,329	140.46
LA5012030W4K	1,200	30	4000	350mA	4,181	139.37
LA5015042W4K	1,500	41.5	4000	350mA	5,827	140.41
LA5017047W4K	1,700	47.4	4000	350mA	6,657	140.44
LA5020055W4K	2,000	55.3	4000	350mA	7,767	140.45
LA5023060W4K	2,300	60	4000	350mA	8,361	139.35
LA5028079W4K	2,800	79	4000	350mA	11,095	140.44
LA5034095W4K	3,400	94.8	4000	350mA	13,314	140.44
LA50400111W4K	4,000	110.6	4000	350mA	15,533	140.44
LA50450120W4K	4,500	120	4000	350mA	16,722	139.35
LA50308W4K	300	11.7	4000	500mA	1,542	131.79
LA506016W4K	600	23.3	4000	500mA	3,083	132.32
LA509024W4K	900	35	4000	500mA	4,624	132.11
LA5012044W4K	1,200	44	4000	500mA	5,705	129.66
LA5015058W4K	1,500	58.3	4000	500mA	7,707	132.20
LA5017070W4K	1,700	69.9	4000	500mA	9,248	132.30
LA5020082W4K	2,000	81.6	4000	500mA	10,789	132.22
LA5023088W4K	2,300	88	4000	500mA	11,410	129.66
LA50280117W4K	2,800	116.5	4000	500mA	15,412	132.29
LA50340132W4K	3,400	132	4000	500mA	17,115	129.66
LA50400163W4K	4,000	163.1	4000	500mA	21,577	132.29
LA50450176W4K	4,500	176	4000	500mA	22,819	129.65
LA50308W5K	300	7.9	5000	350mA	1,125	142.41
LA506016W5K	600	15.8	5000	350mA	2,248	142.28
LA509024W5K	900	23.7	5000	350mA	3,372	142.28
LA5012030W5K	1,200	30	5000	350mA	4,241	141.37
LA5015042W5K	1,500	41.5	5000	350mA	5,902	142.22
LA5017047W5K	1,700	47.4	5000	350mA	6,743	142.26
LA5020055W5K	2,000	55.3	5000	350mA	7,868	142.28
LA5023060W5K	2,300	60	5000	350mA	8,481	141.35
LA5028079W5K	2,800	79	5000	350mA	11,239	142.27
LA5034090W5K	3,400	90	5000	350mA	12,721	141.34
LA50400111W5K	4,000	110.6	5000	350mA	15,734	142.26
LA50450120W5K	4,500	120	5000	350mA	16,961	141.34
LA503012W5K	300	11.7	5000	500mA	1,562	133.50
LA506023W5K	600	23.3	5000	500mA	3,123	134.03
LA509035W5K	900	35	5000	500mA	4,684	133.83
LA5012044W5K	1,200	44	5000	500mA	5,786	131.50
LA5015061W5K	1,500	61.2	5000	500mA	8,200	133.99
LA5017070W5K	1,700	69.9	5000	500mA	9,368	134.02
LA5020082W5K	2,000	81.6	5000	500mA	10,929	133.93
LA5023088W5K	2,300	88	5000	500mA	11,572	131.50
LA50280117W5K	2,800	116.5	5000	500mA	15,613	134.02
LA50340132W5K	3,400	132	5000	500mA	17,358	131.50
LA400163W5K	4,000	163.1	5000	500mA	21,858	134.02
LA50450176W5K	4,500	176	5000	500mA	23,144	131.50

\* Values accurate to within 10% and include an 18% light loss as a result of the diffuser

Product code example: LA5017070W5K