

# MARK I

	Power (W)	Color temperature	CRI	Control	Mounting	Light distribution	IP-class	Color
MARK I	40	3K 3000 K	85	A on/off	01 mounting yoke	S ME	21	1 RAL9010 white
	80	4K 4000 K	90	B 1-10 V		S	44	
	100	5K 5000 K	95	C DALI		M	67	2 RAL9006 grey
	120		98	D DMX		M2		
				W	3 RAL9005 black			
				W2				
				XW				
					XW2			
					S ME2			



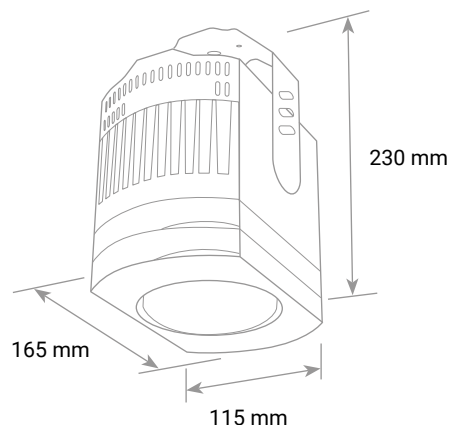
---

Believe and Conquer  
Our Solution Against Everyday Greyness

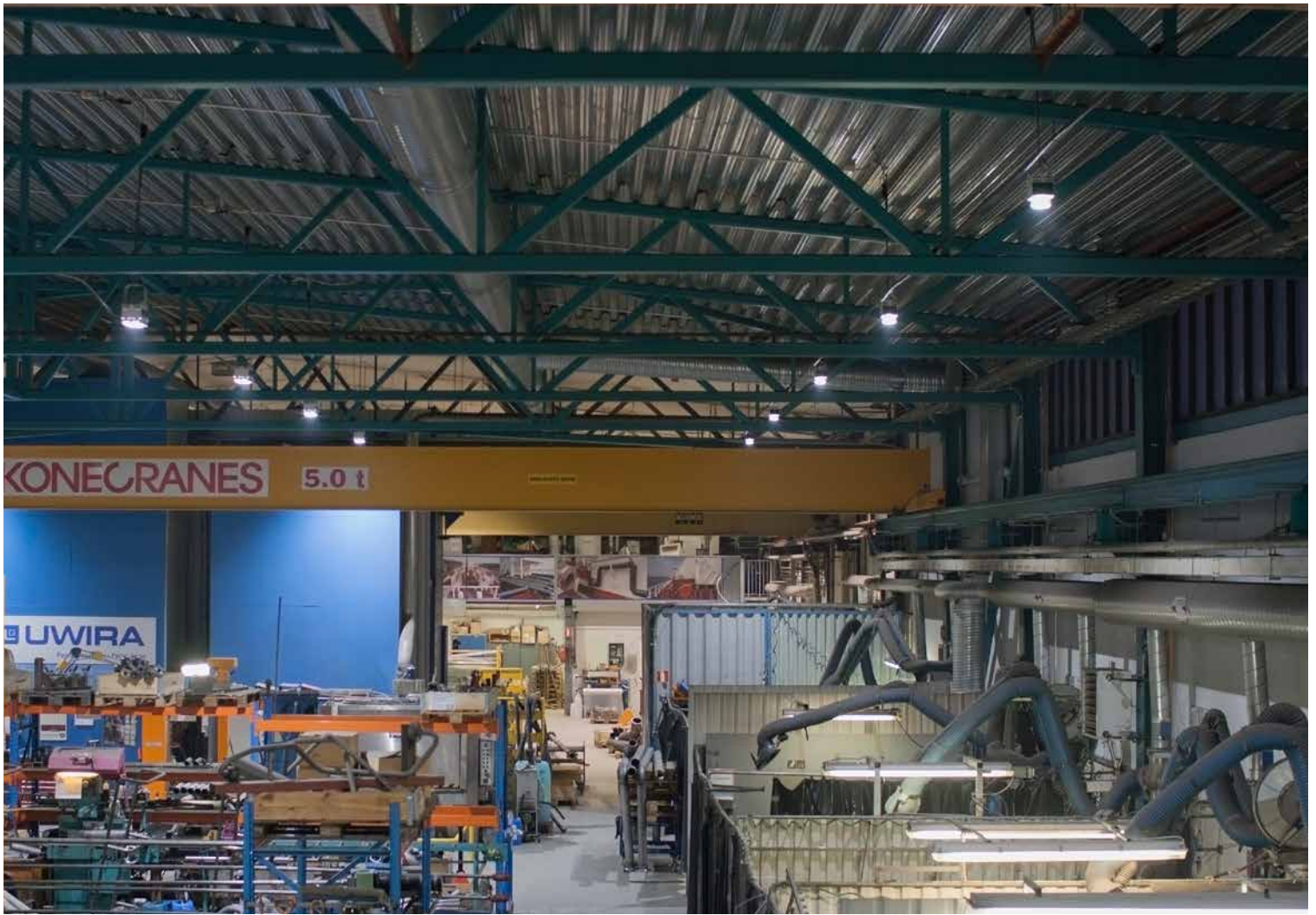
---



MARK I is a very powerful Array LeS luminaire. Aluminum frame, glass lens optics, customizable light angle and dimming possibilities combined with Array LeS technology's high light intensity from less power offers a new cost-effective solution for the end-user.



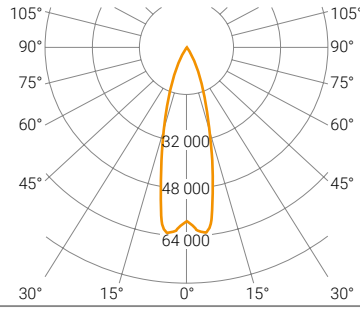
<b>Technical data</b>		<b>60_</b>	<b>80_</b>	<b>100</b>	<b>120</b>
Power	W	60	80	100	120
Luminous flux	lm	9 600	12 800	16 000	19 200
Luminaire efficiency	lm/W	160	160	160	160
Color temperature / ANSI CCT	K	5 000	5 000	5 000	5 000
Color rendering index CRI/Ra	Ra	85	85	85	85
Light chip / Array LeS module		BXR V9	BXR V9	BXR V9	BXR V9
Light chip voltage	V DC	52.2	52.2	52.2	52.2
Energy efficiency class – Energy Star		AAA	AAA	AAA	AAA
Light chip lifespan	Years	25	25	25	25
	Hours	200 000	200 000	200 000	200 000
<b>Luminaire control</b>					
Luminaire reconnection	ms	0.075	0.075	0.075	0.075
Dimming	%	0–100	0–100	0–100	0–100
Manual control	V	0–10	0–10	0–10	0–10
Control devices: GSM, LAN, DMX, DALI		Yes	Yes	Yes	Yes
<b>Mechanical data</b>					
Protection class		IP67	IP67	IP67	IP67
Ambient working temperature, continuous	°C	-42... +70	-42... +70	-42... +70	-42... +70
Ambient working temperature, short-term	°C	-45... +105	-45... +105	-45... +105	-45... +105
Warranty	Years	5	5	5	5
Maintenance free		Yes	Yes	Yes	Yes
Cleaning – allows pressurized water/air	Max. bar	2	2	2	2
Ecology: Recyclable material	%	100	100	100	100
<b>Installation</b>					
Roof, wall, track		Yes	Yes	Yes	Yes
<b>Power supply (electronic) class 2, MWHLG</b>					
Luminaire current, 232 V AC	A	0.26	0.34	0.43	0.52
Efficiency	%	97.2	97.2	97.2	97.2
Voltage range / 50–60Hz	V AC	90–305	90–305	90–305	90–305
Power supply protection class		IP67	IP67	IP67	IP67
Power supply distance from luminaire	m	0–20	0–20	0–20	0–20
<b>Accessories</b>					
Extension cable		QPD C 3PE 2,5 2x 6-10 BK		QPD C 3PE 2,5 2x 6-10 BK	
Protection cup for optics / Protection cup IK Class		IK / IK10	IK / IK10	IK / IK10	IK / IK10



# Light Distribution MARK I

## MARK 120 W

Reflector S  
19 200 lm

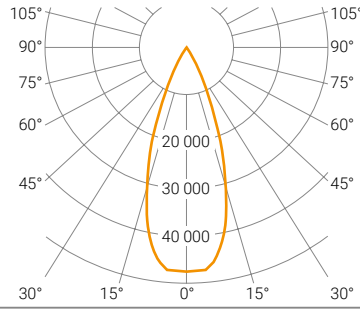


Cone diameter (m)

Illuminance (lx)

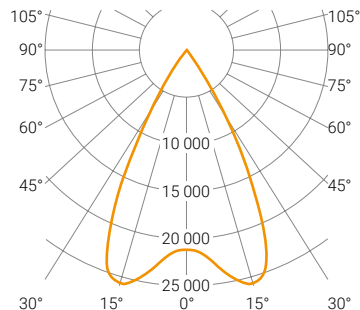
Distance (m)	Cone diameter (m)	0°	14.3°
0.50	.25	237 036	116 048
1.0	0.51	59 259	29 012
1.5	0.76	26 337	12 894
2.0	1.02	14 815	7 253
2.5	1.27	9 481	4 642
3.0	1.53	6 584	3 224

Reflector M  
19 200 lm



Distance (m)	Cone diameter (m)	0°	18.8°
0.50	.34	191 186	81 678
1.0	0.68	47 796	20 419
1.5	1.02	21 143	9 075
2.0	1.36	11 949	5 105
2.5	1.70	7 647	3 267
3.0	2.04	5 311	2 269

Reflector W  
19 200 lm

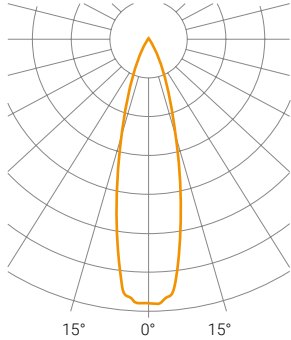


Distance (m)	Cone diameter (m)	0°	27.7°
0.50	.53	84 987	35 846
1.0	1.05	21 247	8 962
1.5	1.58	9 443	3 983
2.0	2.10	5 312	2 240
2.5	2.63	3 399	1 434
3.0	3.15	2 361	996

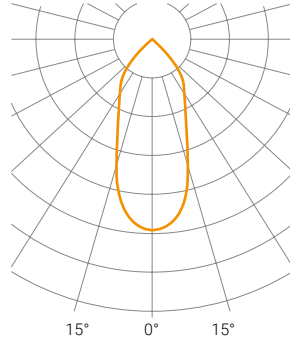
## Other reflector & lense options

We have the optimal light distribution for any application.

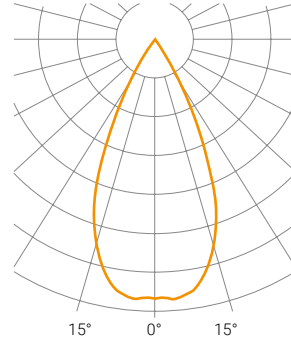
S ME



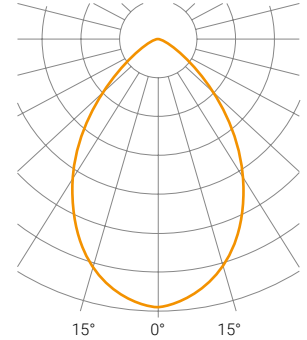
S2



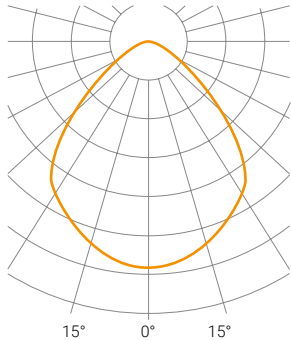
M2



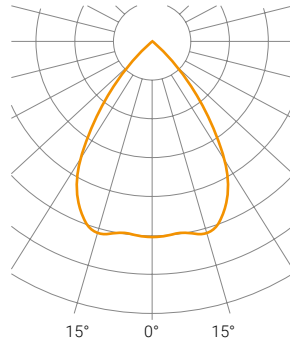
W2



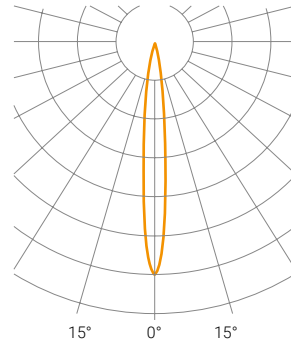
XW



XW2



S ME2\*



\* This configuration alters luminaire visually



LumiTar Array Lighting  
Technology Finland Oy  
Hovioikeudenpuistikko 23  
FI-65100 Vaasa, Finland  
Tel. +358 45 178 0360

[www.lumitar.fi](http://www.lumitar.fi)

*LumiTar*<sup>TM</sup>  
ARRAY LIGHTING TECHNOLOGY FINLAND