



Lucella

OUTDOOR | DALI SERIES

Outdoor luminaire with high-power LED. Instant start (without warm-up time) and flicker-free. Delivers a uniform and bright light, adjustable according to parking spaces and industrial applications lighting requirements. Extra wide 150° angle for maximum visual comfort. Uniform illuminated surface, reduces the impression of glare. IP66 factor integrated for resistance to weather conditions. Housing comes in gray to perfectly blend with the industrial and parking applications.

- Lucella Non-DALI – the standard
- [Lucella DALI – With DALI controls for dimming](#)

Features & Benefits

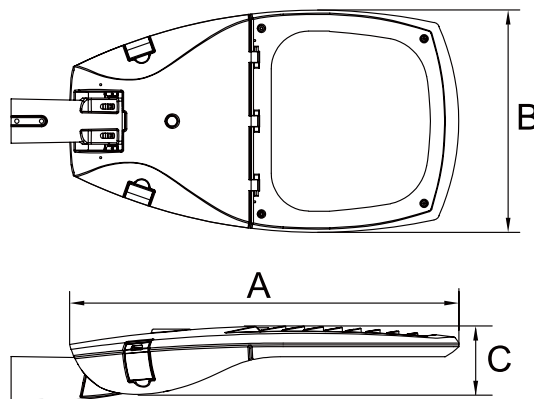
- CRI 70 as standard
- Long rated life: L80/B10@100.000h at 25°C
- High IP factor: 66
- High efficiency: 164 lm/w@4000K

Applications

DIY | Industrial & Logistics | Parking

Dimensions (mm)

A	B	C
565	330	135
665	381	131
865	455	137



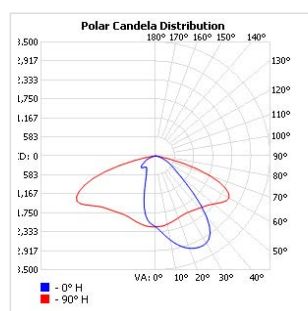
Specifications

Power consumption	46W, 61W, 74W, 90W / 105W	80W / 98W, 115W, 135W, 155W, 166W	120W, 149W, 178W / 207W, 223W, 267W
Dimensions	565 x 330 x 135 ± 1mm	665 x 381 x 131 ± 1mm	865 x 455 x 137 ± 1mm
Weight	7 kg / 7.8 kg	9.4 kg / 10.1 kg	14.5 kg / 16.1 kg
Housing materials	Aluminum & Glass		
IK code	IK09		
THD (at 230V, 50Hz, Full load)	<10%		
Protection class	Safety class 1		
Operating temperature [°C]	-20°C ... +50°C / -4F ... +122F		
Operating humidity [%]	5 ÷ 85		
Power factor	≥0.95		
AC Input [Vac]	220-240 Vac		
Lens angle [°]	ME / DWC / ME-WIDE1 / VSM		
Lifespan [h]	100.000		
Housing color	● Grey		
Lumen maintenance	L80/B10@100.000h at 25°C ; L90/B10@70.000h at 25°C		
IP factor	IP66		
Control optional	DALI		
Warranty [years]	5		
Storage temperature range [°C]	-25C...+85C/-13F...+185F		
Emergency option	-		

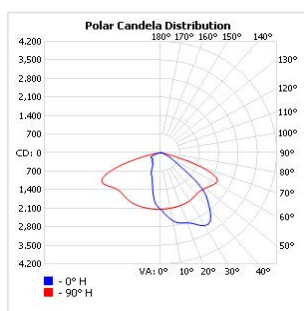
Light application	Standard
CRI	CRI 70
CCT [K]	3000K, 4000K
MacAdam	5

CRI - Color rendering, CCT - Color temperature, MacAdam - Color consistency

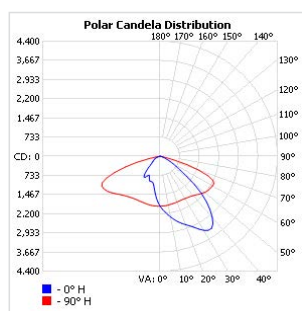
Light Distribution



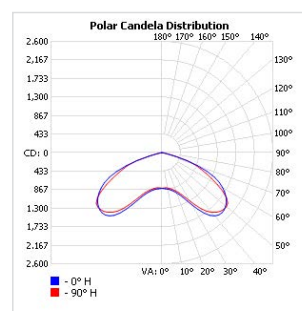
ME



DWC



ME-WIDE1



VSM

RISK GROUP

RG1

The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 (“Photobiological safety of lamps and lamp systems”). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class “Low Risk (RG1 –No photobiological hazard under normal behavioral limitations)”. Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.

TOLERANCES

Luminous flux tolerances: -/+ 5%

Consumption tolerance: -/+ 5% for Non-DALI

MAXIMUM NO. OF LUMINAIRES ON A CIRCUIT

Luminaire dimension	Luminaire power [W]	Control type	Circuit Breaker Type		
			B		
			25	16	10
XS	23W - 52W	DALI	20	12	8
S	46W - 90W	DALI	20	12	8
	105W	DALI	14	8	5
M	80W	DALI	20	12	8
	98W-166W	DALI	14	8	5
L	120W-178W	DALI	10	6	4
	207W-267W	DALI	7	4	2

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 70						
2D2040 Lucella S/3000/46W/70/ME	565 x 330 x 135± 1mm	3000	6860	46W	150	ME
2D2041 Lucella S/4000/46W/70/ME	565 x 330 x 135± 1mm	4000	7205	46W	157	ME
2D2042 Lucella S/3000/46W/70/DWC	565 x 330 x 135± 1mm	3000	7080	46W	154	DWC
2D2043 Lucella S/4000/46W/70/DWC	565 x 330 x 135± 1mm	4000	7435	46W	162	DWC
2D2044 Lucella S/3000/46W/70/ME-WIDE1	565 x 330 x 135± 1mm	3000	6860	46W	150	ME-WIDE1
2D2045 Lucella S/4000/46W/70/ME-WIDE1	565 x 330 x 135± 1mm	4000	7205	46W	157	ME-WIDE1
2D2046 Lucella S/3000/46W/70/VSM	565 x 330 x 135± 1mm	3000	6790	46W	148	VSM
2D2047 Lucella S/4000/46W/70/VSM	565 x 330 x 135± 1mm	4000	7130	46W	155	VSM
2D2048 Lucella S/3000/61W/70/ME	565 x 330 x 135± 1mm	3000	8885	61W	146	ME
2D2049 Lucella S/4000/61W/70/ME	565 x 330 x 135± 1mm	4000	9330	61W	153	ME
2D2050 Lucella S/3000/61W/70/DWC	565 x 330 x 135± 1mm	3000	9170	61W	151	DWC
2D2051 Lucella S/4000/61W/70/DWC	565 x 330 x 135± 1mm	4000	9625	61W	158	DWC
2D2052 Lucella S/3000/61W/70/ME-WIDE1	565 x 330 x 135± 1mm	3000	8885	61W	146	ME-WIDE1
2D2053 Lucella S/4000/61W/70/ME-WIDE1	565 x 330 x 135± 1mm	4000	9330	61W	153	ME-WIDE1
2D2054 Lucella S/3000/61W/70/VSM	565 x 330 x 135± 1mm	3000	8790	61W	145	VSM
2D2055 Lucella S/4000/61W/70/VSM	565 x 330 x 135± 1mm	4000	9230	61W	152	VSM
2D2056 Lucella S/3000/74W/70/ME	565 x 330 x 135± 1mm	3000	10650	74W	144	ME
2D2057 Lucella S/4000/74W/70/ME	565 x 330 x 135± 1mm	4000	11180	74W	152	ME
2D2058 Lucella S/3000/74W/70/DWC	565 x 330 x 135± 1mm	3000	10990	74W	149	DWC
2D2059 Lucella S/4000/74W/70/DWC	565 x 330 x 135± 1mm	4000	11540	74W	156	DWC
2D2060 Lucella S/3000/74W/70/ME-WIDE1	565 x 330 x 135± 1mm	3000	10650	74W	144	ME-WIDE1
2D2061 Lucella S/4000/74W/70/ME-WIDE1	565 x 330 x 135± 1mm	4000	11180	74W	152	ME-WIDE1
2D2062 Lucella S/3000/74W/70/VSM	565 x 330 x 135± 1mm	3000	10535	74W	143	VSM
2D2063 Lucella S/4000/74W/70/VSM	565 x 330 x 135± 1mm	4000	11065	74W	150	VSM
2D2064 Lucella S/3000/90W/70/ME	565 x 330 x 135± 1mm	3000	12765	90W	142	ME
2D2065 Lucella S/4000/90W/70/ME	565 x 330 x 135± 1mm	4000	13405	90W	149	ME
2D2066 Lucella S/3000/90W/70/DWC	565 x 330 x 135± 1mm	3000	13175	90W	147	DWC
2D2067 Lucella S/4000/90W/70/DWC	565 x 330 x 135± 1mm	4000	13830	90W	154	DWC
2D2068 Lucella S/3000/90W/70/ME-WIDE1	565 x 330 x 135± 1mm	3000	12765	90W	142	ME-WIDE1
2D2069 Lucella S/4000/90W/70/ME-WIDE1	565 x 330 x 135± 1mm	4000	13405	90W	149	ME-WIDE1
2D2070 Lucella S/3000/90W/70/VSM	565 x 330 x 135± 1mm	3000	12630	90W	141	VSM
2D2071 Lucella S/4000/90W/70/VSM	565 x 330 x 135± 1mm	4000	13260	90W	148	VSM
2D2072 Lucella S/3000/105W/70/ME	565 x 330 x 135± 1mm	3000	14575	105W	139	ME
2D2073 Lucella S/4000/105W/70/ME	565 x 330 x 135± 1mm	4000	15300	105W	146	ME
2D2074 Lucella S/3000/105W/70/DWC	565 x 330 x 135± 1mm	3000	15040	105W	144	DWC
2D2075 Lucella S/4000/105W/70/DWC	565 x 330 x 135± 1mm	4000	15790	105W	151	DWC
2D2076 Lucella S/3000/105W/70/ME-WIDE1	565 x 330 x 135± 1mm	3000	14575	105W	139	ME-WIDE1
2D2077 Lucella S/4000/105W/70/ME-WIDE1	565 x 330 x 135± 1mm	4000	15300	105W	146	ME-WIDE1
2D2078 Lucella S/3000/105W/70/VSM	565 x 330 x 135± 1mm	3000	14420	105W	138	VSM
2D2079 Lucella S/4000/105W/70/VSM	565 x 330 x 135± 1mm	4000	15140	105W	145	VSM
2D2080 Lucella M/3000/80W/70/ME	565 x 330 x 135± 1mm	3000	11900	80W	149	ME
2D2081 Lucella M/4000/80W/70/ME	565 x 330 x 135± 1mm	4000	12495	80W	157	ME
2D2082 Lucella M/3000/80W/70/DWC	565 x 330 x 135± 1mm	3000	12280	80W	154	DWC
2D2083 Lucella M/4000/80W/70/DWC	565 x 330 x 135± 1mm	4000	12895	80W	162	DWC
2D2084 Lucella M/3000/80W/70/ME-WIDE1	565 x 330 x 135± 1mm	3000	11900	80W	149	ME-WIDE1
2D2085 Lucella M/4000/80W/70/ME-WIDE1	565 x 330 x 135± 1mm	4000	12495	80W	157	ME-WIDE1
2D2086 Lucella M/3000/80W/70/VSM	565 x 330 x 135± 1mm	3000	11775	80W	148	VSM
2D2087 Lucella M/4000/80W/70/VSM	565 x 330 x 135± 1mm	4000	12365	80W	155	VSM
2D2088 Lucella M/3000/98W/70/ME	565 x 330 x 135± 1mm	3000	14410	98W	148	ME
2D2089 Lucella M/4000/98W/70/ME	565 x 330 x 135± 1mm	4000	15130	98W	155	ME

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 70						
2D2090 Lucella M/3000/98W/70/DWC	565 x 330 x 135± 1mm	3000	14870	98W	152	DWC
2D2091 Lucella M/4000/98W/70/DWC	565 x 330 x 135± 1mm	4000	15615	98W	160	DWC
2D2092 Lucella M/3000/98W/70/ME-WIDE1	565 x 330 x 135± 1mm	3000	14410	98W	148	ME-WIDE1
2D2093 Lucella M/4000/98W/70/ME-WIDE1	565 x 330 x 135± 1mm	4000	15130	98W	155	ME-WIDE1
2D2094 Lucella M/3000/98W/70/VSM	565 x 330 x 135± 1mm	3000	14260	98W	146	VSM
2D2095 Lucella M/4000/98W/70/VSM	565 x 330 x 135± 1mm	4000	14970	98W	153	VSM
2D2096 Lucella M/3000/115W/70/ME	565 x 330 x 135± 1mm	3000	16705	115W	146	ME
2D2097 Lucella M/4000/115W/70/ME	565 x 330 x 135± 1mm	4000	17540	115W	153	ME
2D2098 Lucella M/3000/115W/70/DWC	565 x 330 x 135± 1mm	3000	17235	115W	150	DWC
2D2099 Lucella M/4000/115W/70/DWC	565 x 330 x 135± 1mm	4000	18100	115W	158	DWC
2D2100 Lucella M/3000/115W/70/ME-WIDE1	565 x 330 x 135± 1mm	3000	16705	115W	146	ME-WIDE1
2D2101 Lucella M/4000/115W/70/ME-WIDE1	565 x 330 x 135± 1mm	4000	17540	115W	153	ME-WIDE1
2D2102 Lucella M/3000/115W/70/VSM	565 x 330 x 135± 1mm	3000	16525	115W	144	VSM
2D2103 Lucella M/4000/115W/70/VSM	565 x 330 x 135± 1mm	4000	17355	115W	151	VSM
2D2104 Lucella M/3000/135W/70/ME	565 x 330 x 135± 1mm	3000	19235	135W	143	ME
2D2105 Lucella M/4000/135W/70/ME	565 x 330 x 135± 1mm	4000	20195	135W	150	ME
2D2106 Lucella M/3000/135W/70/DWC	565 x 330 x 135± 1mm	3000	19845	135W	147	DWC
2D2107 Lucella M/4000/135W/70/DWC	565 x 330 x 135± 1mm	4000	20840	135W	155	DWC
2D2108 Lucella M/3000/135W/70/ME-WIDE1	565 x 330 x 135± 1mm	3000	19235	135W	143	ME-WIDE1
2D2109 Lucella M/4000/135W/70/ME-WIDE1	565 x 330 x 135± 1mm	4000	20195	135W	150	ME-WIDE1
2D2110 Lucella M/3000/135W/70/VSM	565 x 330 x 135± 1mm	3000	19030	135W	141	VSM
2D2111 Lucella M/4000/135W/70/VSM	565 x 330 x 135± 1mm	4000	19980	135W	148	VSM
2D2112 Lucella M/3000/155W/70/ME	565 x 330 x 135± 1mm	3000	21555	155W	140	ME
2D2113 Lucella M/4000/155W/70/ME	565 x 330 x 135± 1mm	4000	22630	155W	146	ME
2D2114 Lucella M/3000/155W/70/DWC	565 x 330 x 135± 1mm	3000	22240	155W	144	DWC
2D2115 Lucella M/4000/155W/70/DWC	565 x 330 x 135± 1mm	4000	23355	155W	151	DWC
2D2116 Lucella M/3000/155W/70/ME-WIDE1	565 x 330 x 135± 1mm	3000	21555	155W	140	ME-WIDE1
2D2117 Lucella M/4000/155W/70/ME-WIDE1	565 x 330 x 135± 1mm	4000	22630	155W	146	ME-WIDE1
2D2118 Lucella M/3000/155W/70/VSM	565 x 330 x 135± 1mm	3000	21325	155W	138	VSM
2D2119 Lucella M/4000/155W/70/VSM	565 x 330 x 135± 1mm	4000	22390	155W	145	VSM
2D2120 Lucella M/3000/166W/70/ME	565 x 330 x 135± 1mm	3000	22645	166W	137	ME
2D2121 Lucella M/4000/166W/70/ME	565 x 330 x 135± 1mm	4000	23780	166W	144	ME
2D2122 Lucella M/3000/166W/70/DWC	565 x 330 x 135± 1mm	3000	23370	166W	141	DWC
2D2123 Lucella M/4000/166W/70/DWC	565 x 330 x 135± 1mm	4000	24535	166W	148	DWC
2D2124 Lucella M/3000/166W/70/ME-WIDE1	565 x 330 x 135± 1mm	3000	22645	166W	137	ME-WIDE1
2D2125 Lucella M/4000/166W/70/ME-WIDE1	565 x 330 x 135± 1mm	4000	23780	166W	144	ME-WIDE1
2D2126 Lucella M/3000/166W/70/VSM	565 x 330 x 135± 1mm	3000	22405	166W	135	VSM
2D2127 Lucella M/4000/166W/70/VSM	565 x 330 x 135± 1mm	4000	23525	166W	142	VSM
2D2128 Lucella L/3000/120W/70/ME	865 x 455 x 137± 1mm	3000	18145	120W	152	ME
2D2129 Lucella L/4000/120W/70/ME	865 x 455 x 137± 1mm	4000	19050	120W	159	ME
2D2130 Lucella L/3000/120W/70/DWC	865 x 455 x 137± 1mm	3000	18725	120W	157	DWC
2D2131 Lucella L/4000/120W/70/DWC	865 x 455 x 137± 1mm	4000	19660	120W	164	DWC
2D2132 Lucella L/3000/120W/70/ME-WIDE1	865 x 455 x 137± 1mm	3000	18145	120W	152	ME-WIDE1
2D2133 Lucella L/4000/120W/70/ME-WIDE1	865 x 455 x 137± 1mm	4000	19050	120W	159	ME-WIDE1
2D2134 Lucella L/3000/120W/70/VSM	865 x 455 x 137± 1mm	3000	17950	120W	150	VSM
2D2135 Lucella L/4000/120W/70/VSM	865 x 455 x 137± 1mm	4000	18850	120W	158	VSM
2D2136 Lucella L/3000/149W/70/ME	865 x 455 x 137± 1mm	3000	22090	149W	149	ME
2D2137 Lucella L/4000/149W/70/ME	865 x 455 x 137± 1mm	4000	23195	149W	156	ME
2D2138 Lucella L/3000/149W/70/DWC	865 x 455 x 137± 1mm	3000	22795	149W	153	DWC
2D2139 Lucella L/4000/149W/70/DWC	865 x 455 x 137± 1mm	4000	23935	149W	161	DWC

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 70						
2D2140 Lucella L/3000/149W/70/ME-WIDE1	865 x 455 x 137± 1mm	3000	22090	149W	149	ME-WIDE1
2D2141 Lucella L/4000/149W/70/ME-WIDE1	865 x 455 x 137± 1mm	4000	23195	149W	156	ME-WIDE1
2D2142 Lucella L/3000/149W/70/VSM	865 x 455 x 137± 1mm	3000	21855	149W	147	VSM
2D2143 Lucella L/4000/149W/70/VSM	865 x 455 x 137± 1mm	4000	22945	149W	154	VSM
2D2144 Lucella L/3000/178W/70/ME	865 x 455 x 137± 1mm	3000	26090	178W	147	ME
2D2145 Lucella L/4000/178W/70/ME	865 x 455 x 137± 1mm	4000	27395	178W	154	ME
2D2146 Lucella L/3000/178W/70/DWC	865 x 455 x 137± 1mm	3000	26920	178W	152	DWC
2D2147 Lucella L/4000/178W/70/DWC	865 x 455 x 137± 1mm	4000	28270	178W	159	DWC
2D2148 Lucella L/3000/178W/70/ME-WIDE1	865 x 455 x 137± 1mm	3000	26090	178W	147	ME-WIDE1
2D2149 Lucella L/4000/178W/70/ME-WIDE1	865 x 455 x 137± 1mm	4000	27395	178W	154	ME-WIDE1
2D2150 Lucella L/3000/178W/70/VSM	865 x 455 x 137± 1mm	3000	25810	178W	145	VSM
2D2151 Lucella L/4000/178W/70/VSM	865 x 455 x 137± 1mm	4000	27100	178W	153	VSM
2D2152 Lucella L/3000/207W/70/ME	865 x 455 x 137± 1mm	3000	29520	207W	143	ME
2D2153 Lucella L/4000/207W/70/ME	865 x 455 x 137± 1mm	4000	30995	207W	150	ME
2D2154 Lucella L/3000/207W/70/DWC	865 x 455 x 137± 1mm	3000	30460	207W	148	DWC
2D2155 Lucella L/4000/207W/70/DWC	865 x 455 x 137± 1mm	4000	31985	207W	155	DWC
2D2156 Lucella L/3000/207W/70/ME-WIDE1	865 x 455 x 137± 1mm	3000	29520	207W	143	ME-WIDE1
2D2157 Lucella L/4000/207W/70/ME-WIDE1	865 x 455 x 137± 1mm	4000	30995	207W	150	ME-WIDE1
2D2158 Lucella L/3000/207W/70/VSM	865 x 455 x 137± 1mm	3000	29205	207W	142	VSM
2D2159 Lucella L/4000/207W/70/VSM	865 x 455 x 137± 1mm	4000	30670	207W	149	VSM
2D2160 Lucella L/3000/223W/70/ME	865 x 455 x 137± 1mm	3000	31220	223W	140	ME
2D2161 Lucella L/4000/223W/70/ME	865 x 455 x 137± 1mm	4000	32780	223W	147	ME
2D2162 Lucella L/3000/223W/70/DWC	865 x 455 x 137± 1mm	3000	32215	223W	145	DWC
2D2163 Lucella L/4000/223W/70/DWC	865 x 455 x 137± 1mm	4000	33830	223W	152	DWC
2D2164 Lucella L/3000/223W/70/ME-WIDE1	865 x 455 x 137± 1mm	3000	31220	223W	140	ME-WIDE1
2D2165 Lucella L/4000/223W/70/ME-WIDE1	865 x 455 x 137± 1mm	4000	32780	223W	147	ME-WIDE1
2D2166 Lucella L/3000/223W/70/VSM	865 x 455 x 137± 1mm	3000	30890	223W	139	VSM
2D2167 Lucella L/4000/223W/70/VSM	865 x 455 x 137± 1mm	4000	32435	223W	146	VSM
2D2168 Lucella L/3000/267W/70/ME	865 x 455 x 137± 1mm	3000	36460	267W	137	ME
2D2169 Lucella L/4000/267W/70/ME	865 x 455 x 137± 1mm	4000	38285	267W	144	ME
2D2170 Lucella L/3000/267W/70/DWC	865 x 455 x 137± 1mm	3000	37620	267W	141	DWC
2D2171 Lucella L/4000/267W/70/DWC	865 x 455 x 137± 1mm	4000	39505	267W	148	DWC
2D2172 Lucella L/3000/267W/70/ME-WIDE1	865 x 455 x 137± 1mm	3000	36460	267W	137	ME-WIDE1
2D2173 Lucella L/4000/267W/70/ME-WIDE1	865 x 455 x 137± 1mm	4000	38285	267W	144	ME-WIDE1
2D2174 Lucella L/3000/267W/70/VSM	865 x 455 x 137± 1mm	3000	36070	267W	136	VSM
2D2175 Lucella L/4000/267W/70/VSM	865 x 455 x 137± 1mm	4000	37875	267W	142	VSM

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