

# Citrine

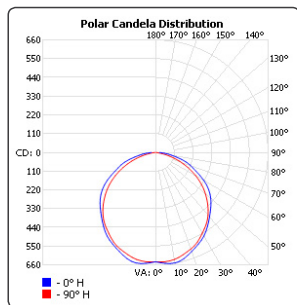
## SUSPENDED AND SURFACE MOUNTED

- Available in three form factors: 60cm, 120cm and 150cm
- Emergency kit available
- Three temperatures: 3000K, 4000K and 5000K
- 110° lens angle
- Color rendering index: 80
- Efficiency @4000K: 109 lm/W

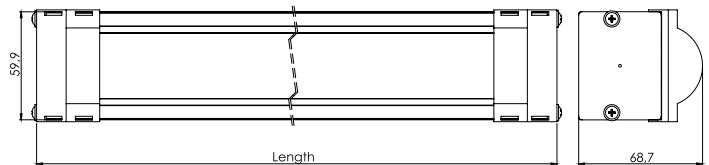
### Applications

Retail, DIY

#### LIGHT DISTRIBUTION



#### TECHNICAL DRAW



<b>Power</b>	<b>A:</b> 12W, 22W <b>B:</b> 21W, 37W, 45W <b>C:</b> 31W, 45W, 55W
<b>Dimensions</b>	<b>A:</b> 631 x 68.7 x 59.9 ± 1mm <b>B:</b> 1211 x 68.7 x 59.9 ± 1mm <b>C:</b> 1498 x 68.7 x 59.9 ± 1mm
<b>Color Rendering</b>	CRI80
<b>Housing materials</b>	Aluminium, polycarbonate
<b>IK Code</b>	IK04
<b>THD (at 230V, 50Hz, full load)</b>	<20%
<b>Protection class</b>	Safety class 1
<b>Operating temperature (°C) for TEC</b>	-20C...+45C/-4F...+113F
<b>Operating temperature (°C) for TEC EM</b>	+5C...+45C/+41F...+113F
<b>Operating humidity (%)</b>	10 ÷ 85
<b>Power factor</b>	≥0.95
<b>AC Input</b>	220-240 Vac
<b>Color temperature</b>	3000K, 4000K, 5000K
<b>Lens angle (°)</b>	110°
<b>Lifespan (h)</b>	50000
<b>Housing color</b>	Anodised grey
<b>Color consistency</b>	MacAdam 4
<b>Lumen maintenance</b>	L70/B30@50.000h at 25°C
<b>IP Rating</b>	IP20
<b>Control option</b>	-
<b>Emergency option (only for TEC EM)</b>	EM1H, EM3H
<b>Warranty (years)</b>	5 years
<b>Storage Temperature Range (°C) for TEC</b>	-20 ÷ +55/-4F...+131F
<b>Storage Temperature Range (°C) for TEC EM</b>	+5 ÷ +25 /-41F...+77F
<b>Efficiency @4000K</b>	109 lm/W
<b>Luminous flux tolerance</b>	+/- 5%

<b>Consumption tolerance</b>	TEC +/- 5% TEC + KIT EM +/-10%
<b>Risk group</b>	RG2 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 "Moderate Risk (RG2)". 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.

#### Maximum no. of luminaires on a circuit

Power	Amperage	Circuit Breaker Type					
		B			C		
12-31W		20	16	10	20	16	10
37-50W		48	38	24	80	63	40
55W		30	24	14	50	40	32
		28	22	13	46	36	21

ARTICLE NUMBER	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Efficiency (lm/watt)	Lens angle (degrees)	Weight (kg)
178000 Citrine 60/3000/12W/80/FL	631 x 68.7 x 59.9 ± 1mm	3000	1050	12W	88	110°	1.6Kg
178001 Citrine 60/4000/12W/80/FL	631 x 68.7 x 59.9 ± 1mm	4000	1080	12W	90	110°	1.6Kg
178002 Citrine 60/5000/12W/80/FL	631 x 68.7 x 59.9 ± 1mm	5000	1130	12W	95	110°	1.6Kg
178004 Citrine 60/3000/22W/80/FL	631 x 68.7 x 59.9 ± 1mm	3000	2015	22W	92	110°	1.6Kg
178005 Citrine 60/4000/22W/80/FL	631 x 68.7 x 59.9 ± 1mm	4000	2080	22W	95	110°	1.6Kg
178006 Citrine 60/5000/22W/80/FL	631 x 68.7 x 59.9 ± 1mm	5000	2175	22W	99	110°	1.6Kg
178008 Citrine 120/3000/21W/80/FL	1211 x 68.7 x 59.9 ± 1mm	3000	2105	21W	101	110°	2.5Kg
178009 Citrine 120/4000/21W/80/FL	1211 x 68.7 x 59.9 ± 1mm	4000	2170	21W	104	110°	2.5Kg
178010 Citrine 120/5000/21W/80/FL	1211 x 68.7 x 59.9 ± 1mm	5000	2270	21W	109	110°	2.5Kg
178012 Citrine 120/3000/37W/80/FL	1211 x 68.7 x 59.9 ± 1mm	3000	3805	37W	103	110°	2.5Kg
178013 Citrine 120/4000/37W/80/FL	1211 x 68.7 x 59.9 ± 1mm	4000	3920	37W	106	110°	2.5Kg
178014 Citrine 120/5000/37W/80/FL	1211 x 68.7 x 59.9 ± 1mm	5000	4100	37W	111	110°	2.5Kg
178020 Citrine 120/3000/45W/80/FL	1211 x 68.7 x 59.9 ± 1mm	3000	4345	45W	97	110°	3.1Kg
178021 Citrine 120/4000/45W/80/FL	1211 x 68.7 x 59.9 ± 1mm	4000	4480	45W	100	110°	3.1Kg
178022 Citrine 120/5000/45W/80/FL	1211 x 68.7 x 59.9 ± 1mm	5000	4685	45W	105	110°	3.1Kg
178056 Citrine 150/3000/31W/80/FL	1498 x 68.7 x 59.9 ± 1mm	3000	3070	31W	100	110°	3.1Kg
178057 Citrine 150/4000/31W/80/FL	1498 x 68.7 x 59.9 ± 1mm	4000	3165	31W	103	110°	3.1Kg
178058 Citrine 150/5000/31W/80/FL	1498 x 68.7 x 59.9 ± 1mm	5000	3310	31W	107	110°	3.1Kg
178060 Citrine 150/3000/45W/80/FL	1498 x 68.7 x 59.9 ± 1mm	3000	4755	45W	106	110°	3.1Kg
178061 Citrine 150/4000/45W/80/FL	1498 x 68.7 x 59.9 ± 1mm	4000	4900	45W	109	110°	3.1Kg
178062 Citrine 150/5000/45W/80/FL	1498 x 68.7 x 59.9 ± 1mm	5000	5125	45W	114	110°	3.1Kg
178064 Citrine 150/3000/55W/80/FL	1498 x 68.7 x 59.9 ± 1mm	3000	5410	55W	99	110°	3.1Kg
178065 Citrine 150/4000/55W/80/FL	1498 x 68.7 x 59.9 ± 1mm	4000	5575	55W	102	110°	3.1Kg
178066 Citrine 150/5000/55W/80/FL	1498 x 68.7 x 59.9 ± 1mm	5000	5830	55W	106	110°	3.1Kg
178100 Citrine 60SM/3000/12W/80/FL	631 x 68.7 x 59.9 ± 1mm	3000	1050	12W	88	110°	1.6Kg
178101 Citrine 60SM/4000/12W/80/FL	631 x 68.7 x 59.9 ± 1mm	4000	1080	12W	90	110°	1.6Kg
178102 Citrine 60SM/5000/12W/80/FL	631 x 68.7 x 59.9 ± 1mm	5000	1130	12W	95	110°	1.6Kg
178104 Citrine 60SM/3000/22W/80/FL	631 x 68.7 x 59.9 ± 1mm	3000	2015	22W	92	110°	1.6Kg
178105 Citrine 60SM/4000/22W/80/FL	631 x 68.7 x 59.9 ± 1mm	4000	2080	22W	95	110°	1.6Kg
178106 Citrine 60SM/5000/22W/80/FL	631 x 68.7 x 59.9 ± 1mm	5000	2175	22W	99	110°	1.6Kg
178108 Citrine 120SM/3000/21W/80/FL	1211 x 68.7 x 59.9 ± 1mm	3000	2105	21W	101	110°	2.5Kg
178109 Citrine 120SM/4000/21W/80/FL	1211 x 68.7 x 59.9 ± 1mm	4000	2170	21W	104	110°	2.5Kg
178110 Citrine 120SM/5000/21W/80/FL	1211 x 68.7 x 59.9 ± 1mm	5000	2270	21W	109	110°	2.5Kg
178112 Citrine 120SM/3000/37W/80/FL	1211 x 68.7 x 59.9 ± 1mm	3000	3805	37W	103	110°	2.5Kg
178113 Citrine 120SM/4000/37W/80/FL	1211 x 68.7 x 59.9 ± 1mm	4000	3920	37W	106	110°	2.5Kg
178114 Citrine 120SM/5000/37W/80/FL	1211 x 68.7 x 59.9 ± 1mm	5000	4100	37W	111	110°	2.5Kg
178120 Citrine 120SM/3000/45W/80/FL	1211 x 68.7 x 59.9 ± 1mm	3000	4345	45W	97	110°	3.1Kg
178121 Citrine 120SM/4000/45W/80/FL	1211 x 68.7 x 59.9 ± 1mm	4000	4480	45W	100	110°	3.1Kg
178122 Citrine 120SM/5000/45W/80/FL	1211 x 68.7 x 59.9 ± 1mm	5000	4685	45W	105	110°	3.1Kg
178156 Citrine 150SM/3000/31W/80/FL	1498 x 68.7 x 59.9 ± 1mm	3000	3070	31W	100	110°	3.1Kg
178157 Citrine 150SM/4000/31W/80/FL	1498 x 68.7 x 59.9 ± 1mm	4000	3165	31W	103	110°	3.1Kg
178158 Citrine 150SM/5000/31W/80/FL	1498 x 68.7 x 59.9 ± 1mm	5000	3310	31W	107	110°	3.1Kg
178160 Citrine 150SM/3000/45W/80/FL	1498 x 68.7 x 59.9 ± 1mm	3000	4755	45W	106	110°	3.1Kg
178161 Citrine 150SM/4000/45W/80/FL	1498 x 68.7 x 59.9 ± 1mm	4000	4900	45W	109	110°	3.1Kg
178162 Citrine 150SM/5000/45W/80/FL	1498 x 68.7 x 59.9 ± 1mm	5000	5125	45W	114	110°	3.1Kg
178164 Citrine 150SM/3000/55W/80/FL	1498 x 68.7 x 59.9 ± 1mm	3000	5410	55W	99	110°	3.1Kg
178165 Citrine 150SM/4000/55W/80/FL	1498 x 68.7 x 59.9 ± 1mm	4000	5575	55W	102	110°	3.1Kg
178166 Citrine 150SM/5000/55W/80/FL	1498 x 68.7 x 59.9 ± 1mm	5000	5830	55W	106	110°	3.1Kg

## Equipped with 1 hour emergency kit

178024 Citrine 120/3000/21W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	3000	2105	21W	101	110°	2.9Kg
178025 Citrine 120/4000/21W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	4000	2170	21W	104	110°	2.9Kg
178026 Citrine 120/5000/21W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	5000	2270	21W	109	110°	2.9Kg
178028 Citrine 120/3000/37W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	3000	3805	37W	103	110°	2.9Kg
178029 Citrine 120/4000/37W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	4000	3920	37W	106	110°	2.9Kg
178030 Citrine 120/5000/37W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	5000	4100	37W	111	110°	2.9Kg
178036 Citrine 120/3000/45W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	3000	4345	45W	97	110°	2.9Kg
178037 Citrine 120/4000/45W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	4000	4480	45W	100	110°	2.9Kg
178038 Citrine 120/5000/45W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	5000	4685	45W	105	110°	2.9Kg
178068 Citrine 150/3000/31W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	3000	3070	31W	100	110°	3.5Kg
178069 Citrine 150/4000/31W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	4000	3165	31W	103	110°	3.5Kg
178070 Citrine 150/5000/31W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	5000	3310	31W	107	110°	3.5Kg
178072 Citrine 150/3000/45W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	3000	4755	45W	106	110°	3.5Kg
178073 Citrine 150/4000/45W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	4000	4900	45W	109	110°	3.5Kg
178074 Citrine 150/5000/45W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	5000	5125	45W	114	110°	3.5Kg

ARTICLE NUMBER	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Efficiency (lm/watt)	Lens angle (degrees)	Weight (kg)
Equipped with 1 hour emergency kit							
178076 Citrine 150/3000/55W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	3000	5410	55W	99	110°	3.5Kg
178077 Citrine 150/4000/55W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	4000	5575	55W	102	110°	3.5Kg
178078 Citrine 150/5000/55W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	5000	5830	55W	106	110°	3.5Kg
178124 Citrine 120SM/3000/21W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	3000	2105	21W	101	110°	2.9Kg
178125 Citrine 120SM/4000/21W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	4000	2170	21W	104	110°	2.9Kg
178126 Citrine 120SM/5000/21W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	5000	2270	21W	109	110°	2.9Kg
178128 Citrine 120SM/3000/37W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	3000	3805	37W	103	110°	2.9Kg
178129 Citrine 120SM/4000/37W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	4000	3920	37W	106	110°	2.9Kg
178130 Citrine 120SM/5000/37W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	5000	4100	37W	111	110°	2.9Kg
178136 Citrine 120SM/3000/45W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	3000	4345	45W	97	110°	2.9Kg
178137 Citrine 120SM/4000/45W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	4000	4480	45W	100	110°	2.9Kg
178138 Citrine 120SM/5000/45W/80/FL/EM1H	1211 x 68.7 x 59.9 ± 1mm	5000	4685	45W	105	110°	2.9Kg
178168 Citrine 150SM/3000/31W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	3000	3070	31W	100	110°	3.5Kg
178169 Citrine 150SM/4000/31W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	4000	3165	31W	103	110°	3.5Kg
178170 Citrine 150SM/5000/31W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	5000	3310	31W	107	110°	3.5Kg
178172 Citrine 150SM/3000/45W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	3000	4755	45W	106	110°	3.5Kg
178173 Citrine 150SM/4000/45W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	4000	4900	45W	109	110°	3.5Kg
178174 Citrine 150SM/5000/45W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	5000	5125	45W	114	110°	3.5Kg
178176 Citrine 150SM/3000/55W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	3000	5410	55W	99	110°	3.5Kg
178177 Citrine 150SM/4000/55W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	4000	5575	55W	102	110°	3.5Kg
178178 Citrine 150SM/5000/55W/80/FL/EM1H	1498 x 68.7 x 59.9 ± 1mm	5000	5830	55W	106	110°	3.5Kg

## Equipped with 3 hours emergency kit

178040 Citrine 120/3000/21W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	3000	2105	21W	101	110°	3.1Kg
178041 Citrine 120/4000/21W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	4000	2170	21W	104	110°	3.1Kg
178042 Citrine 120/5000/21W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	5000	2270	21W	109	110°	3.1Kg
178044 Citrine 120/3000/37W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	3000	3805	37W	103	110°	3.1Kg
178045 Citrine 120/4000/37W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	4000	3920	37W	106	110°	3.1Kg
178046 Citrine 120/5000/37W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	5000	4100	37W	111	110°	3.1Kg
178052 Citrine 120/3000/45W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	3000	4345	45W	97	110°	3.1Kg
178053 Citrine 120/4000/45W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	4000	4480	45W	100	110°	3.1Kg
178054 Citrine 120/5000/45W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	5000	4685	45W	105	110°	3.1Kg
178080 Citrine 150/3000/31W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	3000	3070	31W	100	110°	3.6Kg
178081 Citrine 150/4000/31W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	4000	3165	31W	103	110°	3.6Kg
178082 Citrine 150/5000/31W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	5000	3310	31W	107	110°	3.6Kg
178084 Citrine 150/3000/45W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	3000	4755	45W	106	110°	3.6Kg
178085 Citrine 150/4000/45W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	4000	4900	45W	109	110°	3.6Kg
178086 Citrine 150/5000/45W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	5000	5125	45W	114	110°	3.6Kg
178088 Citrine 150/3000/55W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	3000	5410	55W	99	110°	3.6Kg
178089 Citrine 150/4000/55W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	4000	5575	55W	102	110°	3.6Kg
178090 Citrine 150/5000/55W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	5000	5830	55W	106	110°	3.6Kg
178140 Citrine 120SM/3000/21W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	3000	2105	21W	101	110°	3.1Kg
178141 Citrine 120SM/4000/21W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	4000	2170	21W	104	110°	3.1Kg
178142 Citrine 120SM/5000/21W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	5000	2270	21W	109	110°	3.1Kg
178144 Citrine 120SM/3000/37W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	3000	3805	37W	103	110°	3.1Kg
178145 Citrine 120SM/4000/37W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	4000	3920	37W	106	110°	3.1Kg
178146 Citrine 120SM/5000/37W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	5000	4100	37W	111	110°	3.1Kg
178152 Citrine 120SM/3000/45W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	3000	4345	45W	97	110°	3.1Kg
178153 Citrine 120SM/4000/45W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	4000	4480	45W	100	110°	3.1Kg
178154 Citrine 120SM/5000/45W/80/FL/EM3H	1211 x 68.7 x 59.9 ± 1mm	5000	4685	45W	105	110°	3.1Kg
178180 Citrine 150SM/3000/31W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	3000	3070	31W	100	110°	3.6Kg
178181 Citrine 150SM/4000/31W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	4000	3165	31W	103	110°	3.6Kg
178182 Citrine 150SM/5000/31W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	5000	3310	31W	107	110°	3.6Kg
178184 Citrine 150SM/3000/45W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	3000	4755	45W	106	110°	3.6Kg
178185 Citrine 150SM/4000/45W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	4000	4900	45W	109	110°	3.6Kg
178186 Citrine 150SM/5000/45W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	5000	5125	45W	114	110°	3.6Kg
178188 Citrine 150SM/3000/55W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	3000	5410	55W	99	110°	3.6Kg
178189 Citrine 150SM/4000/55W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	4000	5575	55W	102	110°	3.6Kg
178190 Citrine 150SM/5000/55W/80/FL/EM3H	1498 x 68.7 x 59.9 ± 1mm	5000	5830	55W	106	110°	3.6Kg

**ARTICLE NUMBER****Materials****Weight****Type****Screw Wire Mounting Kit Lateral Fixing  
(1pc per set)**

1781 GT1 CTR/WM/3m	Steel, aluminium	74g	Wire mounting
1782 GT1 CTR/WM/5m	Steel, aluminium	92g	Wire mounting
1783 GT1 CTR/WM/7m	Steel, aluminium	110g	Wire mounting
1784 GT1 CTR/WM/10m	Steel, aluminium	137g	Wire mounting

\*Maximum supported weight: 15Kg

**Ceiling Mounting Kit Lateral Fixing  
(1pc per set)**

1785 GT1 CTR/SMKLF	Steel, aluminium	20g	Surface mounting
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