

# Opal

## FLOOD LIGHT

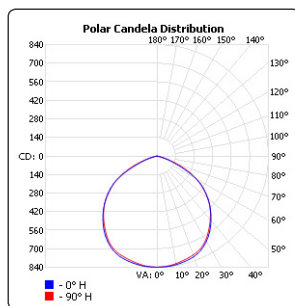


- Available in three form factors
- Two temperatures: 4000K and 6500K
- Wide lens angle: 120°
- Good color rendering index: 80
- Efficiency at 4000K: 107lm/W
- Protection factor: IP65

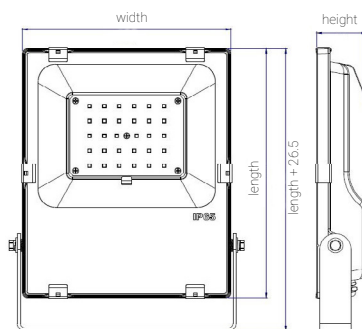
### Applications

Parking areas, industrial and logistic, billboards

### LIGHT DISTRIBUTION



### TECHNICAL DRAW



<b>Power</b>	<b>A:</b> 21W <b>B:</b> 46W <b>C:</b> 90W
<b>Dimensions</b>	<b>A:</b> 200 x 167 x 40 ± 1mm <b>B:</b> 265 x 220 x 50 ± 1mm <b>C:</b> 300 x 245 x 55 ± 1mm CRI80
<b>Color Rendering</b>	Aluminium, glass
<b>Housing materials</b>	IK08
<b>IK Code</b>	<20%
<b>THD (at 230V, 50Hz, full load)</b>	Safety class 1
<b>Protection class</b>	-20C...+50C/-40F...+122F
<b>Operating temperature (°C)</b>	5 ÷ 85
<b>Operating humidity (%)</b>	≥0.98
<b>Power factor</b>	220-240 Vac
<b>AC Input</b>	4000K, 6500K
<b>Color temperature</b>	120°
<b>Lens angle (°)</b>	50000
<b>Lifespan (h)</b>	RAL 9017 - Traffic black
<b>Housing color</b>	MacAdam 4
<b>Color consistency</b>	L70/B10@50.000h at 25°C
<b>Lumen maintenance</b>	IP65
<b>IP Rating</b>	-
<b>Control option</b>	5 years
<b>Warranty (years)</b>	-40 ÷ +80/-40F...+176F
<b>Storage Temperature Range (°C)</b>	-
<b>Emergency option</b>	107 lm/W
<b>Efficiency @4000K</b>	

<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		
21W-SC-TEC	30	24	14	51	40	24	
46W-SR-TEC	40	32	16	50	40	20	
90W-SR-TEC	8	7	4	15	14	8	

Driver type Control type

<b>ARTICLE NUMBER</b>	<b>Dimensions (mm)</b>	<b>CCT (K)</b>	<b>Lumens (lm)</b>	<b>Power (W)</b>	<b>Efficiency (lm/watt)</b>	<b>Lens angle (degrees)</b>	<b>Weight (kg)</b>
152000 Opal TG3B3/4000/21W/80/120	200 x 167x 40 ± 1mm	4000	2235	21	107	120°	0.95
152001 Opal TG3B3/6500/21W/80/120	200 x 167x 40 ± 1mm	6500	2280	21	109	120°	0.95
152002 Opal TG3B4/4000/46W/80/120	265 x 220 x 50 ± 1mm	4000	4785	46	105	120°	1.70
152003 Opal TG3B4/6500/46W/80/120	265 x 220 x 50 ± 1mm	6500	4880	46	107	120°	1.70
152004 Opal TG3B5/4000/90W/80/120	300 x 245 x 55 ± 1mm	4000	9020	90	101	120°	2.70
152005 Opal TG3B5/6500/90W/80/120	300 x 245 x 55 ± 1mm	6500	9200	90	103	120°	2.70