

## FR100 KOPA FIXED ROUND IP65 DIFFUSED BAFFLE

### MULTI WATT LED (7-18W)

#### General

7/10/13/18W options  
 IP65 rated from below  
 CRI >80 (3000k, 4000k)  
 3 SDCM colour consistency  
 L70 (9K), B10 > 50,000 hours (tested at max.wattage)  
 80 degree diffused optics

#### Driver Details

Non-dimmable:  
 7W = K9W-180 / 10W = K12W-260 /  
 13W = K12W-350 / 18W = K20W-500  
 Trailing edge dimmable (LED dimmer):  
 4W = K4W-100D / 7W = K9W-180D / 10W = K12W-260D  
 13W = K12W-350D / 18W = K18W-500D

#### Material & Construction

Solid aluminium with unique copper core heatsink technology  
 Silicon seals  
 10 year paint protection



Machined from  
Solid Aluminium

#### Options

CRI>95, COI, Single colours  
 Dimmable driver 1-10V, DALI, DSI, PUSH DIM, ZIGBEE  
 Bluetooth, 12/24V DC  
 2W auxiliary light (pg 78)  
 2W emergency light (pg 79)  
 IK10 Diffused polycarbonate UV stabilized lens (DP)  
 Seismic restraint mounting point

#### Size & Weight

Dimension: 100mm round, 75mm high  
 Max. Cut-out: 90mm round  
 Weight: 325g

#### Specifications

MODEL	K0718			
TRIM	FR100-Fixed Round			
OPTICS	80-80° Diffused			
LENS	DA-Diffused Acrylic			
C.C.T	3K - Warm White	4K - Neutral White	5.5K - Daylight	
WATTAGE	7W - 180mA	10W - 260mA	13W - 350mA	18W - 500mA
COLOUR	WH - White	SL - Silver	BL - Black	
IP RATING	IP65			

MODEL - TRIM - OPTICS - COLOUR TEMP - WATTAGE - COLOUR - IP

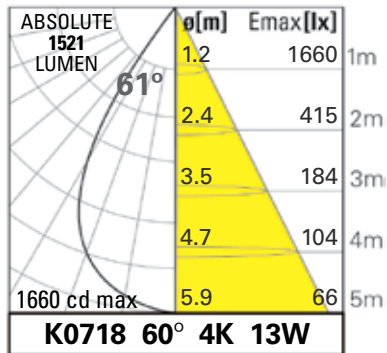


## PHOTOMETRIC DATA

All photometric data is solely based on ABSOLUTE lumens and is provided in the top left corner of each cone diagram table.

LM-80/TM-21/LM-79 Testing is carried out by NVLAP international certified laboratory.

IES files are available to download from [www.kopaglobal.com](http://www.kopaglobal.com) (no registration required)



Absolute lumen = lumen value produced by the luminaire running at 25°C ambient with heat sink temperature at equilibrium.

**Cd max** = Peak candela reading taken at an angle of 0° degrees

**θ[m]** = Beam diameter based on value of 50% of cd max

**E<sub>max</sub>[lx]** = Lux level at centre of beam diameter

**m** = Height of light above surface to be lit

Tip: For calculation of lux level (E<sub>max</sub>) use this simple formula:

$$\frac{\text{cdmax}}{\text{m}^2} = \text{E}_{\text{max}} [\text{lx}]$$

Example: 2.7m height with lux level at floor required (K0718 60 4K 13W)

$$\frac{1160\text{cd}}{2.7 \times 2.7\text{m}} = 228 \text{ lux}$$
