

## FR140 KOPA FIXED ROUND IP65 DIFFUSED BAFFLE

### MULTI WATT LED (12-35W)

#### General

12/16/22/35W 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  
Seismic restraint mounting point

#### Driver Details

Non-dimmable:  
12W = K12W-350 / 16W = K20W-500 /  
22W = K40W-700 / 35W = K40W-1050  
Trailing edge dimmable (LED dimmer):  
12W = K12W-350D / 16W = K18W-500D /  
22W = K36W-700D / 35W = 36W-1050D  
(100 / 180 / 260mA drivers available)

#### 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)

#### Size & Weight

Dimension: 140mm round, 98mm high  
Max. Cut-out: 130mm round  
Weight: 850g

#### Specifications

MODEL	K1235			
TRIM	FR140-Fixed Round			
OPTICS	80-80° Diffused			
LENS	DA-Diffused Acrylic			
C.C.T	3K - Warm White	4K - Neutral White	5.5K - Daylight	
WATTAGE	12W - 350mA	16W - 500mA	22W - 700mA	35W - 1050mA
COLOUR	WH - White	SL - Silver	BL - Black	
IP RATING	IP65			

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

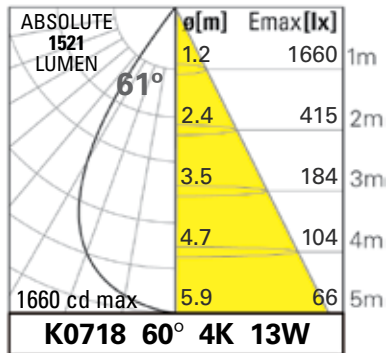


## PHOTOMETRIC DATA

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

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

**Emax[lx]** = Lux level at centre of beam diameter

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

Tip: For calculation of lux level (Emax) use this simple formula:

$$\frac{\text{cdmax}}{\text{m}^2} = \text{Emax [lx]}$$

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

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