

## FR110-B KOPA FIXED ROUND IP65 DIFFUSED - VEX TRIM

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

#### General

7/10/13/18W options  
 Convex smooth baffle  
 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 = K9V-180 / 10W = K12W-260 /  
 13W = K12W-350 / 18W = K20W-500  
 Trailing edge dimmable (LED dimmer):  
 4W = K4V-100D / 7W = K9V-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)  
 IK10 Diffused Polycarbonate UV stabilized lens (DP)  
 Seismic restraint mounting point

#### Size & Weight

Dimension: 110mm round, 82mm high  
 Max. Cut-out: 100mm round  
 Weight: 370g

#### Specifications

MODEL	K0718		
TRIM	FR110B-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	BL-Black	SL- Silver Custom Colours
IP RATING	IP65		

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

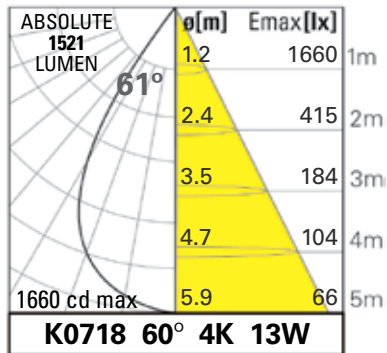


## PHOTOMETRIC DATA

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

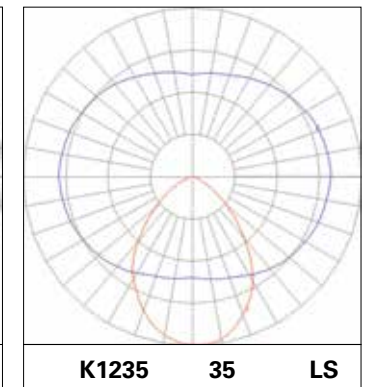
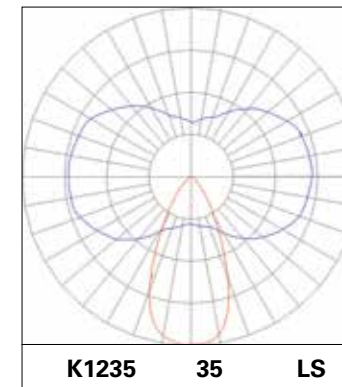
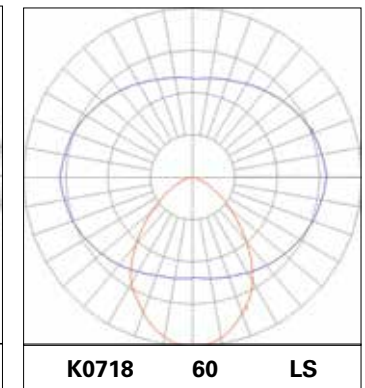
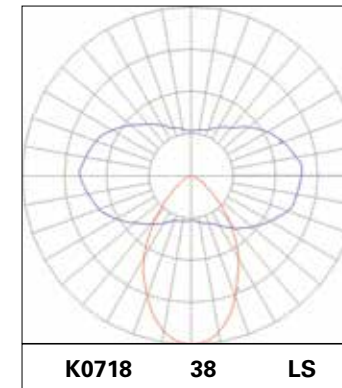
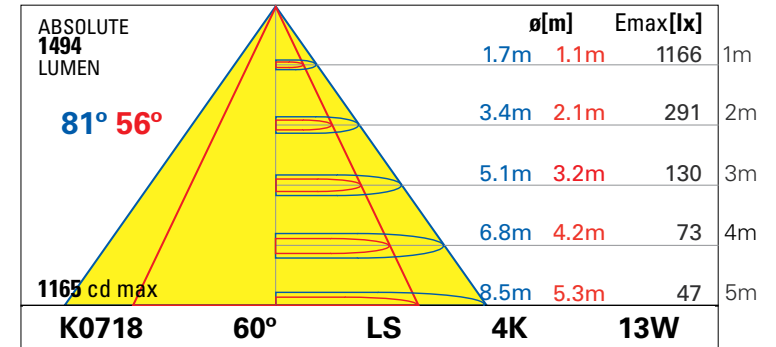
**E<sub>max</sub>[lx]** = Lux level at centre of beam diameter

**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)

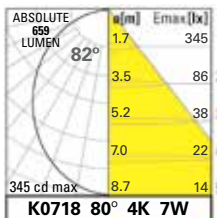
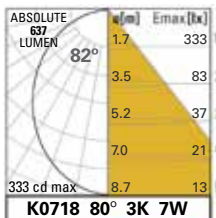
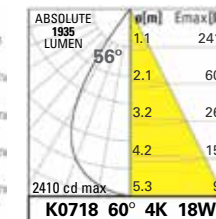
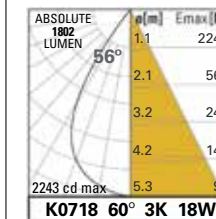
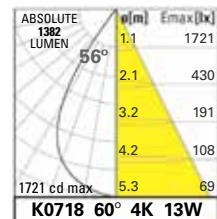
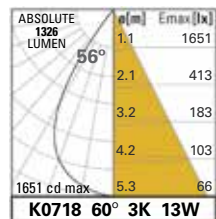
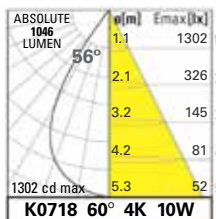
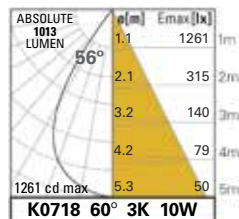
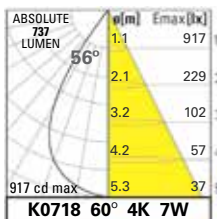
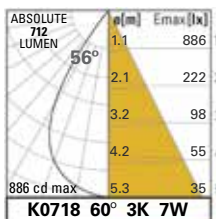
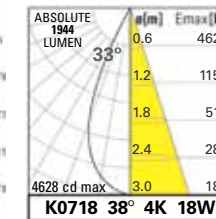
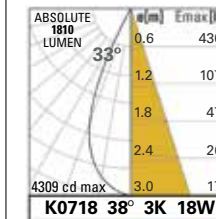
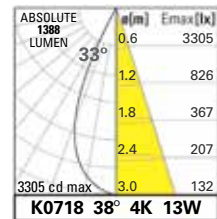
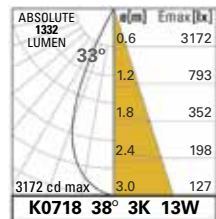
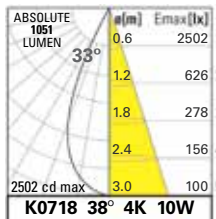
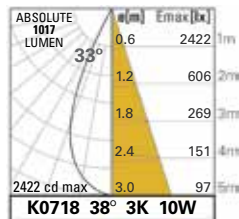
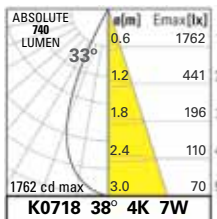
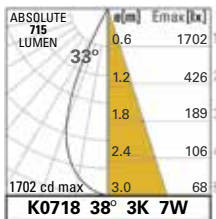
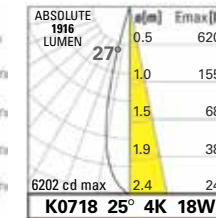
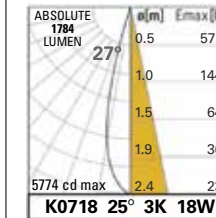
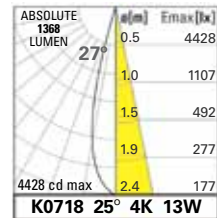
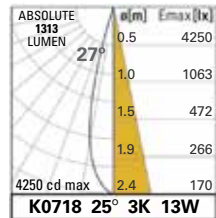
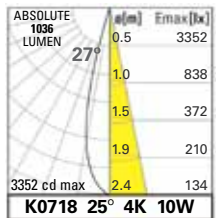
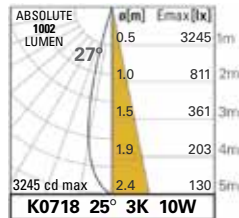
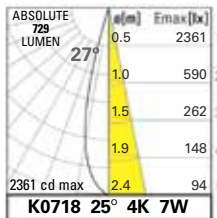
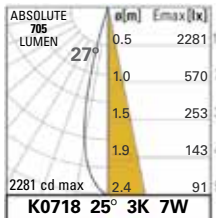
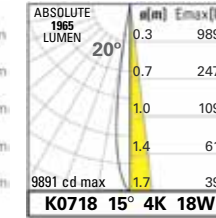
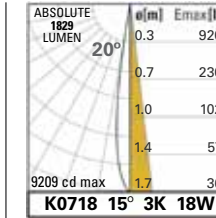
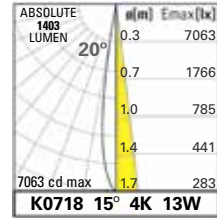
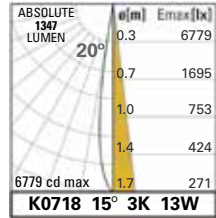
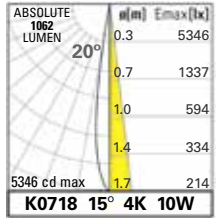
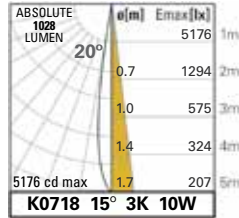
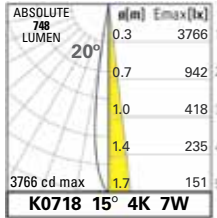
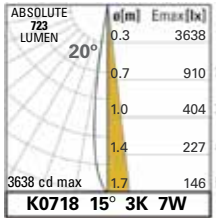
$$\frac{1160\text{cd}}{2.7 \times 2.7\text{m}} = 228 \text{ lux}$$


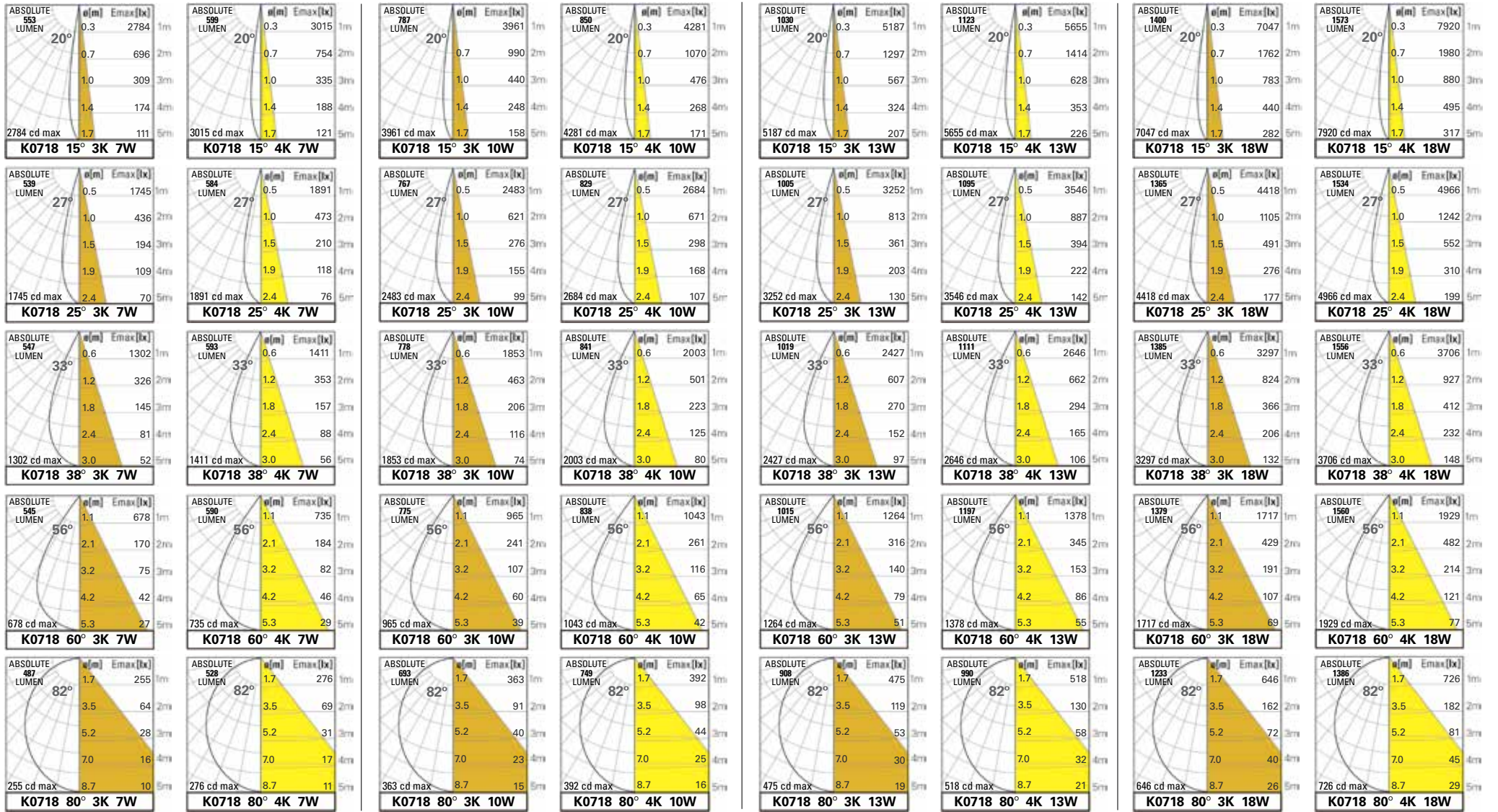
# K0718 - CRI80 FR110 TYPE A/B/C WHITE

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LED PERFORMANCE AT ITS VERY BEST

PHOTOMETRICS







# K0718 - CRI80 FR110 TYPE D WHITE

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