

FR110-D KOPA FIXED ROUND IP65 DIFFUSED - SHAFT TRIM

MULTI WATT LED (7-18W)

General

7/10/13/18W options
 Straight 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 = 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-500

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 lens 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	FR110D-Fixed Round		
OPTICS	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

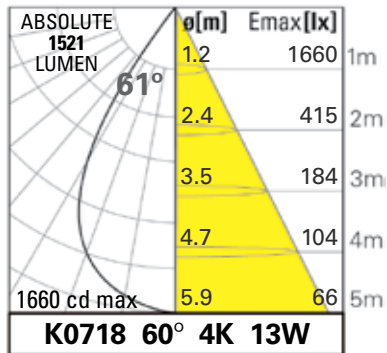


PHOTOMETRIC DATA

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 (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

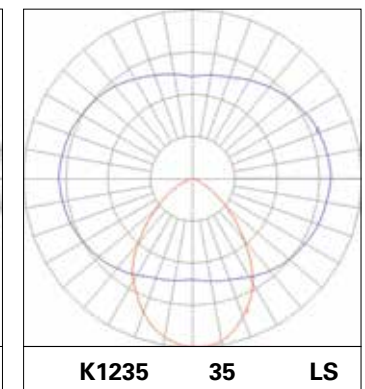
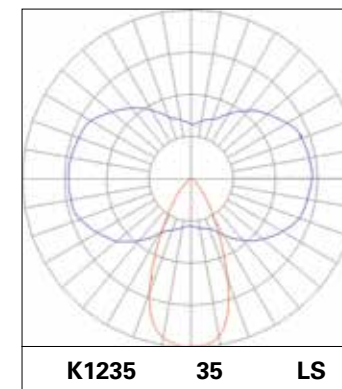
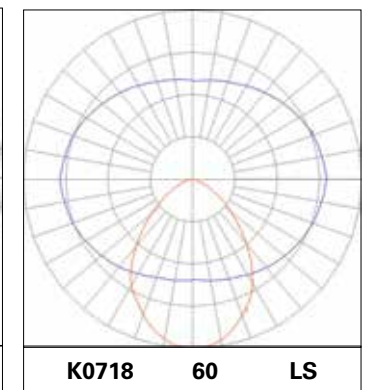
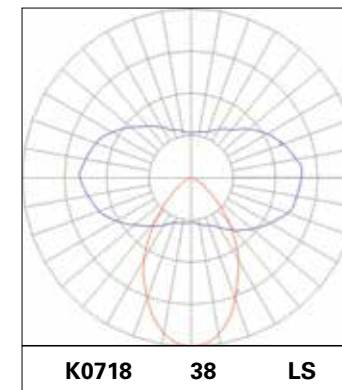
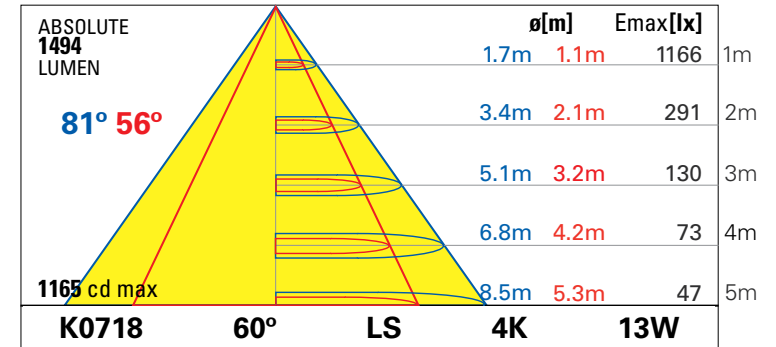
Emax[lx] = Lux level at centre of beam diameter

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)

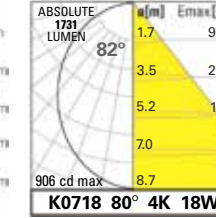
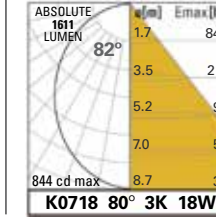
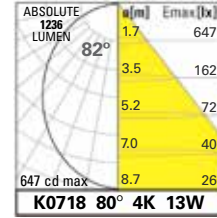
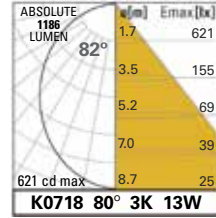
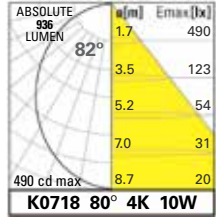
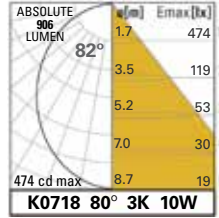
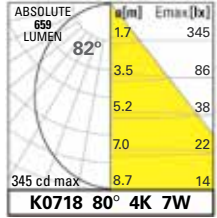
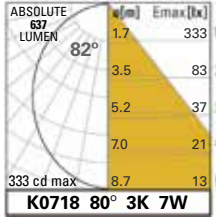
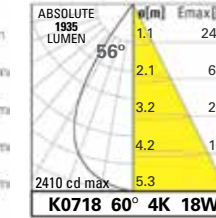
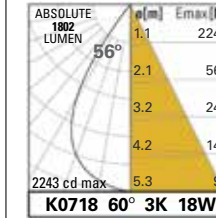
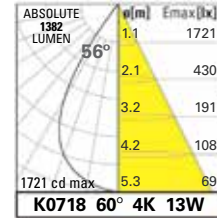
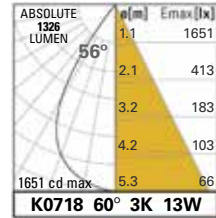
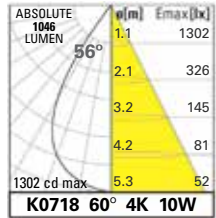
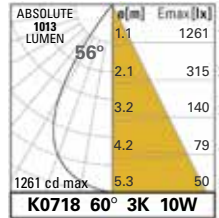
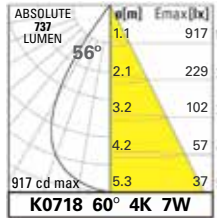
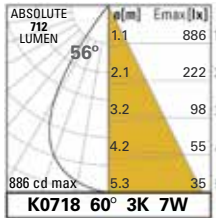
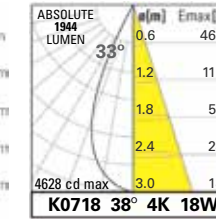
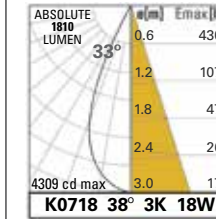
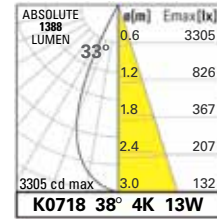
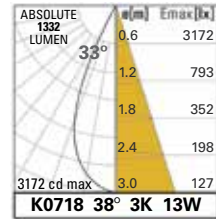
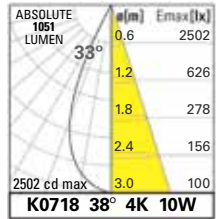
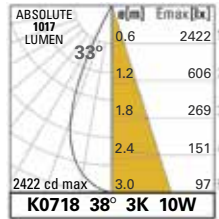
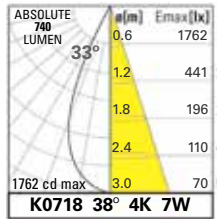
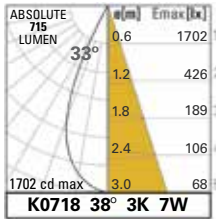
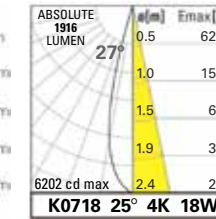
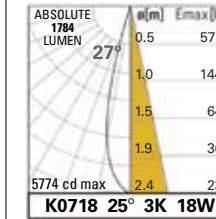
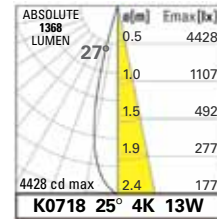
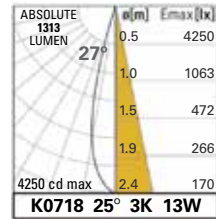
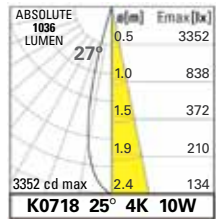
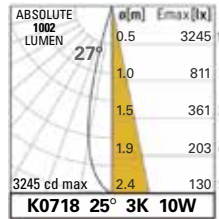
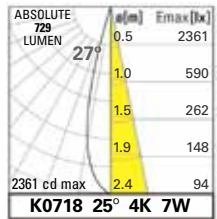
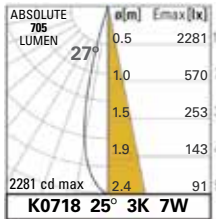
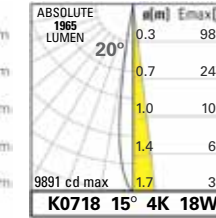
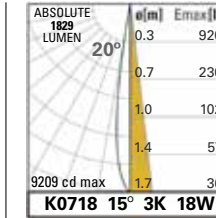
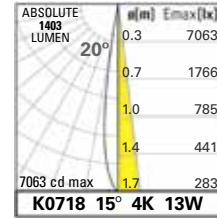
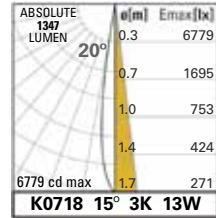
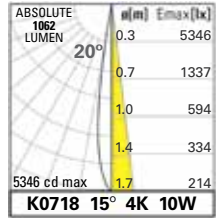
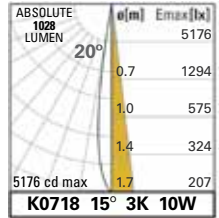
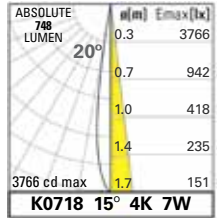
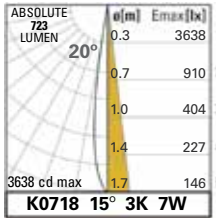
$$\frac{1160\text{cd}}{2.7 \times 2.7\text{m}} = 228 \text{ lux}$$


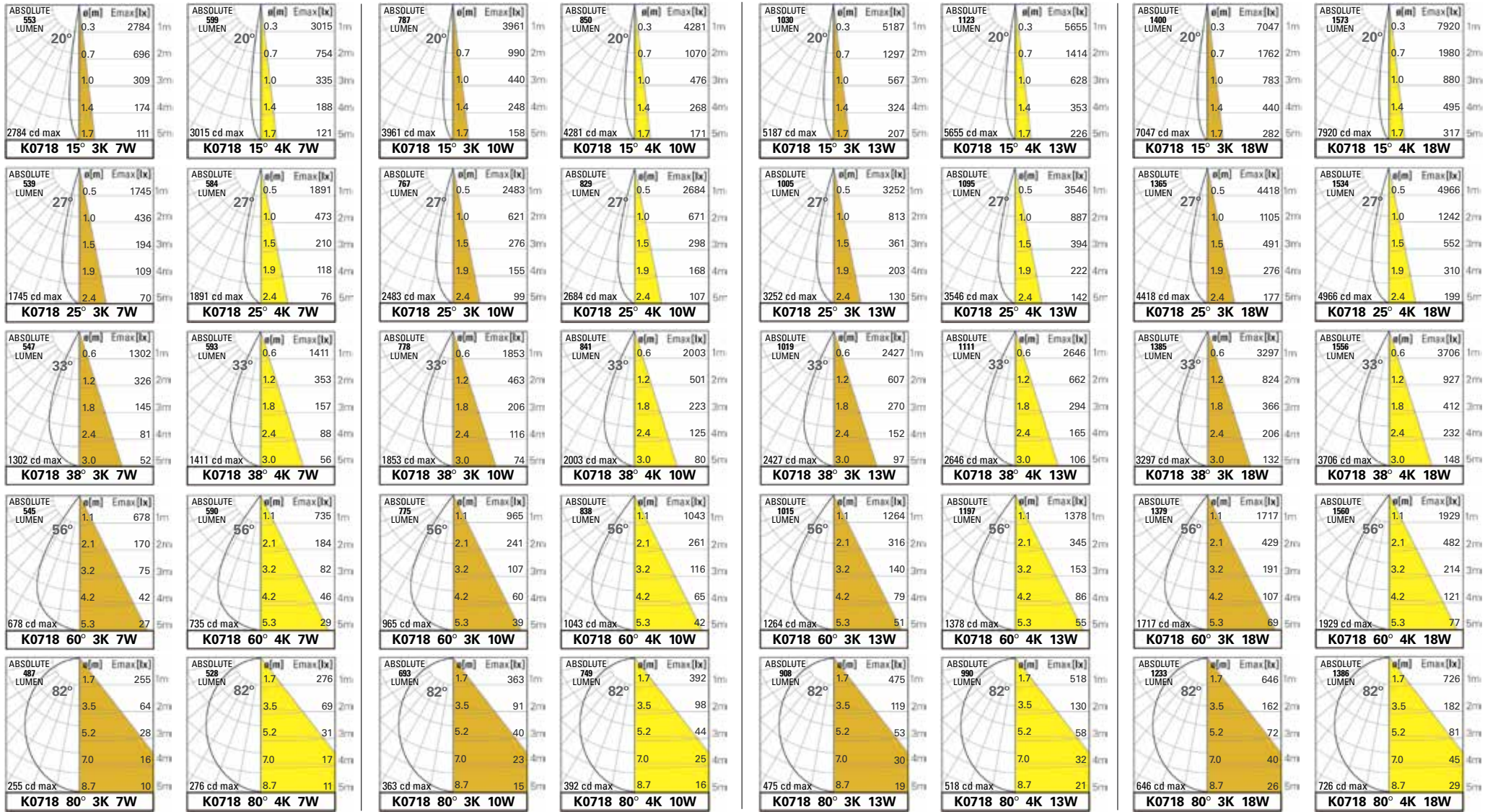
K0718 - CRI80 FR110 TYPE A/B/C WHITE

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PHOTOMETRICS





K0718 - CRI80 FR110 TYPE D WHITE

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