

# KSA1235 KOPA SQUARE ADJUSTABLE REFLECTOR

## MULTI WATT LED (12-35W)

### General

12/16/22/35W options  
 IP44 rated optical chamber  
 CRI >80 (3000k, 4000k)  
 3 SDCM colour consistency  
 L70 (9K), B10 > 50,000 hours (tested at max.wattage)  
 Reflector beam 15/25/38/60 degree  
 Easy fit/remove mounting brackets

### 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  
 \*Driver required per LED module

### Material & Construction

Solid aluminium body with copper core heatsink  
 10 year paint treatment



Machined from  
6063 Aluminium

### Options

CRI>95, COI, Single colours  
 Dimmable driver 1-10V, DALI, DSI, PUSH DIM, ZIGBEE  
 Bluetooth, 12/24V DC  
 Seismic restraint mounting point

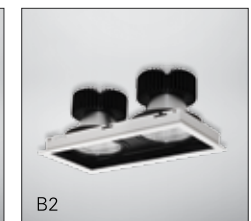
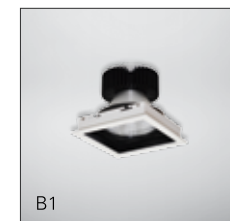
### Size & Weight

Dimension Height:  
**130mm / B1 170X170 / B2 170X340 / B3 170X540**  
 Max. Cut-out:  
**B1 158x158 / B2 158x328 / B3 158x498**  
 Weight:  
**B1 1120g / B2 2355g / B3 3400g**

### Specifications

MODEL	KSA1235			
TRIM	B1-Square Single	B2-Rectangle Double	B3-Rectangle Triple	
OPTICS	15-15° Reflector	25-25° Reflector	38-38° Reflector	60-60° Reflector
C.C.T	3K-Warm White	4K-Neutral White	5.5K-Daylight	
WATTAGE	12W-350mA	16W-500mA	22W-700mA	35W-1050mA
COLOUR	WH-White/Black Baffle	SL-Silver/Black Baffle	BL-Black/Black Baffle	

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



## KSA1235 KOPA SQUARE ADJUSTABLE DIFFUSED

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

#### General

12/16/22/35W options  
 IP44 rated optical chamber  
 CRI >80 (3000k, 4000k)  
 3 SDCM colour consistency  
 L70 (9K), B10 > 50,000 hours (tested at max.wattage)  
 Diffused 80 degree optics  
 Easy fit /remove mounting brackets

#### 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  
 \*Driver required per LED module

#### Material & Construction

Solid aluminium body with copper core heatsink  
 10 year paint treatment



Machined from  
6063 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)  
 Seismic restraint mounting point

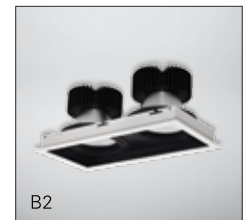
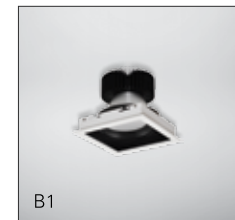
#### Size & Weight

Dimension Height:  
**125mm / B1 170X170 / B2 170X340 / B3 170X540**  
 Max. Cut-out:  
**B1 158x158 / B2 158x328 / B3 158x498**  
 Weight:  
**B1 1135g / B2 2420g / B3 3480g**

#### Specifications

MODEL	KSA1235			
TRIM	B1-Square Single	B2-Rectangle Double	B3-Rectangle Triple	
OPTICS	80F-80° Diffused			
C.C.T	3K - Warm White	4K - Neutral White	5.5K - Daylight	
WATTAGE	12W - 350mA	16W - 500mA	22W - 700mA	35W - 1050mA
COLOUR	WH-White/Black Baffle	SL-Silver/Black Baffle	BL-Black/Black Baffle	

MODEL TRIM OPTICS COLOUR TEMP WATTAGE COLOUR

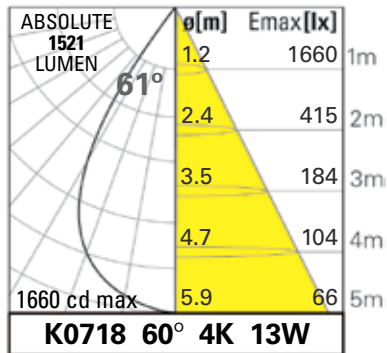


## PHOTOMETRIC DATA

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)

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