LED PERFORMANCE AT ITS VERY BEST
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*Data contained in this catalogue is subject to change without notice*
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Engineered to Last.

- Extruded and precision machined aluminum heat sink with fused copper heat spreader
- Quick connect lead and plug
- Laser engraved identification disk with unique serial
- Radiation enhanced coating
- Replaceable and upgradeable LED modules
- Silver alloy thermal interface bonded copper to copper
- Gold wire contacts
- Intermatix phosphor
- LES19 & LES23 Format
- Custom made CAD designed reflector optics with sealed optical chamber
- Body components machined from solid aluminum
- Interpon 10 year white finish
- IP64 as standard (IP65 standard on fixed downlight)
- High transmission diffused PMMA lens (650° glow wire tested) (80° diffused version)
or
- High clarity optical glass lens (reflector version)
- IES LM-79 lab tested (IES files available for download)
- Heat sinks are designed for cooling by natural convection (no fan required)
- Reflective copper core circuit board with low thermal resistance
- Dow Corning optical encapsulant, with dam and fill construction
- Multiple LED configuration sharing load for increased reliability & enhanced performance (144 and 250 array)

Australian Designed and Engineered.

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KOPA FIXED ROUND IP65 REFLECTOR (FR100)

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

- 7/10/13/18W options
- IP65 rated from below
- Dimension 100mm round, 80mm high
- Cut-out 82mm round
- CRI >80 (3000k, 4000k, 5.5K)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Standard dimmable driver, trailing edge (LL9W-180D / LL12W-260D / K18W-350D / K18W-500D)
- Drivers for 12-24V DC supply available on request
- Reflector beam options: 15/25/38/60 degree
- Construction: all aluminium with unique copper core heatsink technology, silicon seal
- 10 year paint treatment (white only)

**Options:**
- CRi95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 20° wall washer lens
- 180° linear spreader lens

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Machined from 6063 Aluminium

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KOPA FIXED ROUND IP65 (FR100) MULTI WATT LED (7-18W)

- 7/10/13/18W options
- IP65 rated from below
- Dimension 100mm round, 75mm high
- Cut-out 82mm round
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- 80 degree diffused optics
- Standard dimmable driver, trailing edge (LL9W-180D / LL12W-260D / K18W-350D / K18W-500D)
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink technology, silicon seal
- 10 year paint treatment (white only)

Options:
- CRI95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 2W auxiliary light (pg 19)
- 2W emergency light (pg18)
- Baffle adaptor (pg 34)
KOPA ADJUSTABLE ROUND REFLECTOR (AR110)

MULTI WATT LED (7-18W)

- 7/10/13/18W options
- IP44 optical chamber
- Dimension 110mm round, 85mm high
- Cut-out 92mm round
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Reflector beam options: 15/25/38/60 degree
- Standard dimmable driver, trailing edge (LL9W-180D / LL12W-260D / K18W-350D / K18W-500D)
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink technology
- 10 year paint treatment (white only)

Options:
- CRi95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 20° wall washer lens
- 180° linear spreader lens
KOPA ADJUSTABLE ROUND (AR110)

MULTI WATT LED (7-18W)

- 7/10/13/18W options
- IP44 optical chamber
- Dimension 110mm round, 80mm high
- Cut-out 92mm round
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- 80 degree diffused optics
- Standard dimmable driver, trailing edge (LL9W-180D / LL12W-260D / K18W-350D / K18W-500D)
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink technology
- 10 year paint treatment (white only)

Options:
- CR95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 2W auxiliary light (pg 19)
- Baffle adaptor (pg 34)

- 3K - Warm White
- 4K - Neutral White
- 5.5K - Daylight
- CR95-3K - Warm White
- CR95-4K - Neutral White
- 7W - 180mA
- 10W - 260mA
- 13W - 350mA
- 18W - 500mA
- WH - White
- SL - Silver
- BL - Black
- SN - Satin Nickel
KOPA FIXED ROUND (FR130)
MULTI WATT LED (7-18W)

- 7/10/13/18W options
- IP44 optical chamber
- Dimension 130mm round, 85mm high
- Cut-out 108mm round
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- 80 degree diffused optics
- Standard dimmable driver, trailing edge (LL9W-180D / LL12W-260D / K18W-350D / K18W-500D)
- Drivers for 12-24V DC supply available on request
- Construction: all aluminum with unique copper core heatsink technology
- 10 year paint treatment (white only)

Options:
- CRi95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 2W auxiliary light (pg 19)

Options:
- CRi95-3K - Warm White
- CRi95-4K - Neutral White
- CRi95-5.5K - Daylight

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KOPA FIXED ROUND DEEP BAFFLE (FRDB130)
MULTI WATT LED (7-18W)

- 7/10/13/18W options
- IP44 optical chamber
- Dimension 130mm round, 100mm high
- Cut-out 112mm round
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- 80 degree diffused optics
- Standard dimmable driver, trailing edge (LL9W-180D / LL12W-260D / K18W-350D / K18W-500D)
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink technology
- 10 year paint treatment (white only)

Options:
- CRI95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 2W auxiliary light (pg 19)
KOPA FIXED SQUARE (FS100)
MULTI WATT LED (7-18W)

- 7/10/13/18W options
- IP44 optical chamber
- Dimension 100mm square, 75mm high
- Cut-out 82mm round
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- 80 degree diffused optics
- Standard dimmable driver, trailing edge (LL9W-180D / LL12W-260D / K18W-350D / K18W-500D)
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink technology
- 10 year paint treatment (white only)

Options:
- CR195, CRI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- IP65
- 2W auxiliary light (pg 19)
- Baffle adaptor (pg 34)

Options:
- 3K - Warm White
- 4K - Neutral White
- 5.5K - Daylight
- CR195-3K - Warm White
- CR195-4K - Neutral White
- 7W - 180mA
- 10W - 260mA
- 13W - 350mA
- 18W - 500mA
- WH - White
- SL - Silver
- BL - Black
- SN - Satin Nickel

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KOPA ANTI TAMPER IP65 REFLECTOR (AT125)
MULTI WATT LED (7-18W)

- 7/10/13/18W options
- IP65 rated from below
- Lock down mounting brackets
- Dimension 125mm round, 85mm high
- Cut-out 110mm round
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Reflector beam 15/25/38/60 degree
- Standard dimmable driver, trailing edge (LL9W-180D / LL12W-260D / K18W-350D / K18W-500D)
- Construction: all aluminium with unique copper core heatsink technology, silicon seal
- Drivers for 12-24V DC supply available on request
- Suitable for use in negative pressure environments
- 10 year paint treatment (white only)

Options:
- CRI >95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- IK10 polycarbonate UV stabilized lens
- Security fasteners
- 20° wall washer lens
- 180° linear spreader lens

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Kopa global products have been uniquely designed and manufactured to the highest standards, achieving a remarkable level of quality and performance.

Features:
- Heat sinks are designed for cooling by natural convection (no fan required)
- Proprietary copper core LED circuit board construction with alloy bonding minimizing thermal resistance
- Built in redundancy into circuit design as standard
- Replaceable and upgradeable led modules
- Operate on a wide range of drivers available worldwide

All photometric data is produced as per IES LM-79-08 standard, with photometric data available in IES LM-63-02 standard format.

To download the latest photometric files go to www.kopaglobal.com and click on downloads (or use QR link on this page)

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

\[ C_d \text{ max} = \text{Peak candela reading taken at an angle of } 0^\circ \text{ degrees} \]

\[ o(\text{m}) = \text{beam diameter based on value of } 50\% \text{ of } C_d \text{ max} \]

\[ E_{\text{max}[\text{lx}]} = \text{Lux level at centre of beam diameter} \]

\[ m = \text{Height of light above surface to be lit} \]

Tip: For calculation of lux level \( E_{\text{max}} \)
use this simple formula:

\[ \frac{C_d \text{ max}}{m^2} = E_{\text{max}[\text{lx}]} \]

Example: 2.7m height with lux level at floor required (K13 60 4K 13W)

\[ \frac{1165}{2.7 \times 2.7m} = 160 \text{ lux} \]
KOPA FIXED ROUND IP65 REFLECTOR (FR140)
MULTI WATT LED (12-35W)

- 12/16/22/35W options
- IP65 rated from below
- Dimension 140mm round, 115mm high
- Cut-out 127mm round
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Reflector beam 15/25/38/60 degree
- Standard dimmable driver, trailing edge (K18W-350D / K18W-500D / K36W-700D / K36W-1050D)
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink technology, silicon seal
- 10 year paint treatment (white only)

Options:
- CRI >95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 20° wall washer lens
- 180° linear spreader lens

**Options:**
- 15° Reflector
- 25° Reflector
- 38° Reflector
- 60° Reflector
- 20° Wall Washer Lens
- 180° Linear Spreader Lens

**Performance:**
- K1235
- FR140 - Fixed Round
- WH - White
- SL - Silver
- BL - Black
- SN - Satin Nickel
- 3K - Warm White
- 4K - Neutral White
- 5.5K - Daylight
- CRI95-3K - Warm White
- CRI95-4K - Neutral White
- 12W - 360mA
- 16W - 500mA
- 22W - 700mA
- 35W - 1050mA

**Construction:**
- Machined from 6063 Aluminium

**IP65:**
- IP65 Rated

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KOPA FIXED ROUND IP65 (FR140)  
MULTI WATT LED (12-35W)

- 12/16/22/35W options
- IP65 rated from below
- Dimension 140mm round, 98mm high
- Cut-out 127mm round
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- 80 degree diffused optics
- Standard dimmable driver, trailing edge (K18W-350D / K18W-500D / K36W-700D / K36W-1050D)
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink technology, silicon seal
- 10 year paint treatment (white only)

Options:
- CRI >95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 2W auxiliary light (pg 19)
- Baffle adaptor (pg 34)
KOPA ADJUSTABLE ROUND REFLECTOR (AR160)
MULTI WATT LED (12-35W)

- 12/16/22/35W options
- IP44 optical chamber
- Dimension 161mm round, 112mm high
- Cut-out 142mm round
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Reflector beam 15/25/38/60 degree
- Standard dimmable driver, trailing edge (K18W-350D / K18W-500D / K36W-700D / K36W-1050D)
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink technology
- 10 year paint treatment (white only)

Options:
- CRI >95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 20° wall washer lens
- 180° linear spreader lens

Options:
- 15 - 15° Reflector
- 25 - 25° Reflector
- 38 - 38° Reflector
- 60 - 60° Reflector
- WW - 20° Wall Washer Lens
- LS - 180° Linear Spreader Lens
- 3K - Warm White
- 4K - Neutral White
- 5.5K - Daylight
- CRI95-3K - Warm White
- CRI95-4K - Neutral White
- 12W - 350mA
- 16W - 500mA
- 22W - 700mA
- 35W - 1050mA
- WH - White
- SL - Silver
- BL - Black
- SN - Satin Nickel

Machined from 6063 Aluminium
KOPA ADJUSTABLE ROUND (AR160)

MULTI WATT LED (12-35W)

- 12/16/22/35W options
- IP44 optical chamber
- Dimension 161mm round, 95mm high
- Cut-out 140mm round
- CRI >80 (3000K, 4000K)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- 80 degree diffused optics
- Standard dimmable driver, trailing edge (K18W-350D / K18W-500D / K36W-700D / K36W-1050D)
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink technology
- 10 year paint treatment (white only)

Options:
- CRI >95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 2W auxiliary light (pg 19)
- Baffle adaptor (pg 34)
KOPA ANTI TAMPER IP65 REFLECTOR (AT160)
MULTI WATT LED (12-35W)

- 12/16/22/35W options
- IP65 rated from below
- Lock down mounting brackets
- Dimension 160mm round, 120mm high
- Cut-out 148mm round
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Reflector beam 15/25/38/60 degree
- Standard dimmable driver, trailing edge (K18W-350D / K18W-500D / K36W-700D / K36W-1050D)
- Construction: all aluminium with unique copper core heatsink technology, silicon seal
- Drivers for 12-24V DC supply available on request
- Suitable for use in negative pressure environments
- 10 year paint treatment (white only)

Options:
- CRI >95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- IK10 polycarbonate UV stabilized lens
- Security fasteners
- 20° wall washer lens
- 180° linear spreader lens

Options:
- 15° Reflector
- 25° Reflector
- 38° Reflector
- 60° Reflector
- WW - 20° Wall Washer Lens
- LS - 180° Linear Spreader Lens
- 3K - Warm White
- 4K - Neutral White
- 5.5K - Daylight
- CRI95-3K - Warm White
- CRI95-4K - Neutral White
- 12W - 350mA
- 16W - 500mA
- 22W - 700mA
- 35W - 1050mA
- WH - White
- SL - Silver
- BL - Black

Machined from 6063 Aluminium
KOPA EMERGENCY LIGHT (-EM2W)

EMERGENCY LIGHT

- FR100 or FS100 trim
- C0/C90  C80 classification
- 3 hour duration
- 80 degree diffused optics
- Integrated 2W emergency light
- NiMH environmentally friendly battery
- Rated life 50,000 hours
- Standard dimmable driver, trailing edge (K18W-350D)
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink technology, silicon seal
- 10 year paint treatment (white only)

Options:
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- Adaptor plug for integration to OEM emergency pack from other manufacturers*

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<th>FS100 - Fixed Square</th>
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<td>10W</td>
<td>13W</td>
<td></td>
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</tbody>
</table>

3K - Warm White
4K - Neutral White
5.5K - Daylight
CR95-3K - Warm White
CR95-4K - Neutral White

WH - White
SL - Silver
BL - Black
EM2W - 2W Emergency

AS2293.1-2005 Table 5.3 extract, Luminaire classification (C0/C90)  C80

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<td>18.3</td>
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<td>23</td>
<td>23.9</td>
<td>24.7</td>
<td>26.1</td>
</tr>
</tbody>
</table>

*Speak to your local agent regarding suitable combinations
KOPA AUXILIARY LIGHT (AL2W)

2 WATT LED

- Fully functional downlight with hidden 2W LED module
- Add additional battery back up lighting where emergency lighting is not mandatory (lights up on power failure)
- Seamless 2W Led battery backup on power failure in conjunction with K2W-600EM module
- Use without battery back up as auxiliary light source for night light with K4W-350 non dim driver
- Suitable for use with 80 degree diffused version in trim models FR100-IP65, AR110, FR140, AR160, KSA & KSA1235, also available in the KSL series*
- Must be ordered factory fitted

To specify add the suffix -AL2W to your selected model part number

*Speak to your local agent regarding suitable combinations
**KOPIA SQUARE ADJUSTABLE REFLECTOR (KSA)**

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

- 7/10/13/18W options
- IP44 rated optical chamber
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Reflector beam 15/25/38/60 degree
- Standard dimmable driver, trailing edge (LL9W-180D / LL12W-260D / K18W-350D / K18W-500D)*
- Drivers for 12-24V DC supply available on request
- Construction: Aluminium body with copper core heatsink
- Dimensions: Height: 110mm / B1 122x122 / B2 122x227 / B3 122x332 / B4 227x227
- Cut-out: B1 110x110 / B2 110x215 / B3 110x320 / B4 215x215
- 10 year paint treatment (white only)

Options:
- CRi95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems*

*Driver required per LED module*
KOPA SQUARE ADJUSTABLE (KSA)
MULTI WATT LED (7-18W)

• 7/10/13/18W options
• IP44 rated optical chamber
• CRI >80 (3000k, 4000k)
• 3 SDCM colour consistency
• Rated life 50,000 hours
• Diffused 80 degree optics
• Standard dimmable driver, trailing edge (LL9W-180D / LL12W-260D / K18W-350D / K18W-500D)*
• Drivers for 12-24V DC supply available on request
• Construction: Aluminum body with copper core heatsink
• Dimensions: Height: 105mm / B1 122x122 / B2 122x227 / B3 122x332 / B4 227x227
• Cut-out: B1 110x110 / B2 110x215 / B3 110x320 / B4 215x215
• 10 year paint treatment (white only)

Options:
• CRI95, COI, Single colours, RGB
• Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems*
• 2W auxiliary light (pg 19)

*Driver required per LED module

Machined from 6063 Aluminium
KOPA SQUARE ADJUSTABLE REFLECTOR (KSA1235)  
MULTI WATT LED (12-35W)

- 12/16/22/35W options
- IP44 rated optical chamber
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Reflector beam 15/25/38/60 degree
- Standard dimmable driver, trailing edge (K18W-350D / K18W-500D / K36W-700D / K36/1050D)*
- Drivers for 12-24V DC supply available on request
- Construction: Aluminium body with copper core heatsink
- Dimensions: Height: 130mm / B1 170X170 / B2 170X340 / B3 170X540 / B4 340X340
- Cut-out: B1 158x158 / B2 158x328 / B3 158x498 / B4 328x328
- 10 year paint treatment (white only)

Options:
- CRI >95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems*

KSA1235  
B1 - Square Single  
B2 - Rectangular Double  
B3 - Rectangular Triple  
B4 - Square Quad  
15 - 15° Reflector  
25 - 25° Reflector  
38 - 38° Reflector  
60 - 60° Reflector  
3K - Warm White  
4K - Neutral White  
5K - Daylight  
CRI95-3K - Warm White  
CRI95-4K - Neutral White  
12W - 350mA  
16W - 500mA  
22W - 700mA  
35W - 1050mA  
WH - White / Black Baffle  
SL - Silver / Black Baffle  
BL - Black / Black Baffle

*Machined from 6063 Aluminium

*Driver required per LED module
KOPA SQUARE ADJUSTABLE (KSA1235)
MULTI WATT LED (12-35W)

- 12/16/22/35W options
- IP44 rated optical chamber
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Diffused 80 degree optics
- Standard dimmable driver, trailing edge (K18W-350D / K18W-500D / K36W-700D / K36W-1050D)*
- Drivers for 12-24V DC supply available on request
- Construction: Aluminum body with copper core heatsink
- Dimensions: Height: 125mm / B1 170X170 / B2 170X340 / B3 170X540 / B4 340X340
- Cut-out: B1 158x158 / B2 158x328 / B3 158x498 / B4 328x328
- 10 year paint treatment (white only)

Options:
- CRI >95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems*
- 2W auxiliary light (pg 19)

Options:
- CRI >95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems*
- 2W auxiliary light (pg 19)

*Driver required per LED module
**KOPA SQUARE LINEAR (KSL-B)**

**7 - 42 WATT LED**

- IP44 rated optical chamber
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Diffused 80 degree optics
- Standard dimmable driver, trailing edge
- Drivers for 12-24V DC supply available on request
- Construction: Aluminum body with copper core heatsink
- Dimensions: Height 63mm / B1 122x122 / B2 122x227 / B3 122x332 / B6 122x592
- Cut-out: B1 110x110 / B2 110x215 / B3 110x320 / B6 110x583
- 10 year paint treatment (white only)

**Options:**
- CRI >90, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 2W auxiliary light (pg 19)
- Custom length available on application
- Custom wattage available on application

*Refer to page 36 for driver solutions*
KOPA SQUARE LINEAR (KSL-F)

7 - 42 WATT LED

- IP44 rated optical chamber
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Diffused 80 degree optics
- Standard dimmable driver, trailing edge
- Drivers for 12-24V DC supply available on request
- Construction: Aluminum body with copper core heatsink
- Dimensions: Height 43mm / F1 122x122 / F2 122x227 / F3 122x332 / F6 122x592
- Cut-out: F1 110x110 / F2 110x215 / F3 110x320 / F6 110x583
- 10 year paint treatment (white only)

Options:
- CRI >90, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 2W auxiliary light (pg 19)
- Custom length available on application
- Custom wattage available on application

*Refer to page 36 for driver solutions

Machined from 6063 Aluminium

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KOPA SQUARE ADJUSTABLE SURFACE MOUNT (KSASM)
MULTI WATT LED (7-18W)

- 7/10/13/18W options
- IP44 optical chamber
- Surface mount
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Reflector beam 15/25/38/60 degree or diffused 80 degree lens
- Standard dimmable driver, trailing edge (LL9W-180D / LL12W-260D / K18W-350D / K18W-500D)*
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink
- Dimensions: Height 183mm; B1 127x127 / B2 127x232 / B3 127x337 / B4 232x232
- 10 year paint treatment (white only)

Options:
- CRI >95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems
- 2W auxiliary light (pg 19)

Options:
B1 - Square Single
B2 - Rectangular Double
B3 - Rectangular Triple
B4 - Square Quad

Machined from 6063 Aluminium
KOPA SQUARE ADJUSTABLE SURFACE MOUNT (KSA1235SM)
MULTI WATT LED (12-35W)

- IP44 optical chamber
- 12/16/22/35W options
- Surface mount
- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- Rated life 50,000 hours
- Reflector beam 15/25/38/60 degree or diffused 80 degree lens
- Standard dimmable driver, trailing edge
- Drivers for 12-24V DC supply available on request
- Construction: all aluminium with unique copper core heatsink technology
- Dimensions: Height 230mm; B1 176x176 / B2 176x346 / B3 176x516 / B4 346x346
- 10 year paint treatment (white only)

Options:
- CRI >95, COI, Single colours, RGB
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems

12W - 350mA
16W - 500mA
22W - 700mA
35W - 1050mA

B1 - Square Single
B2 - Rectangular Double
B3 - Rectangular Triple
B4 - Square Quad
15 - 15° Reflector
25 - 25° Reflector
38 - 38° Reflector
60 - 60° Reflector
80 - 80° Diffused
3K - Warm White
4K - Neutral White
5.5K - Daylight
CRI95-3K - Warm White
CRI95-4K - Neutral White

WH - White / Black Baffle
SL - Silver / Black Baffle
BL - Black / Black Baffle
KOPA TRACK SPOT (KTS)

10/13 WATT LED

- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- IP44 optical chamber
- Rated life 50,000 hours
- 3 circuit universal track adaptor (standard)
- High lumen packages
- Trailing edge dimmable driver (integral)
- Construction: all aluminium construction with unique copper core heatsink technology
- Dimensions: 89mm diameter x 200-235mm in height
- 10 year paint treatment (white only)

Options:
- CRI >90, Single colours
KOPA SURFACE SPOT (KSS)
10/13 WATT LED

- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- IP44 optical chamber
- Rated life 50,000 hours
- Surface mount base
- High lumen packages
- Trailing edge dimmable driver (integral)
- Construction: all aluminium construction with unique copper core heatsink technology
- Drivers for 12-24V DC supply available on request
- Dimensions: 89mm diameter x 225-260mm in height
- 10 year paint treatment (white only)

Options:
- CRI >90, Single colours

Machined from 6063 Aluminium

KSS10
KSS13

10W
13W

WH - White
SL - Silver
BL - Black

15 - 15º Reflector
25 - 25º Reflector
38 - 38º Reflector
60 - 60º Reflector
80 - 80º Diffused

3K - Warm White
4K - Neutral White
5.5K - Daylight
KOPA SURFACE MOUNT (KSM)

10/13 WATT LED

- CRI >80 (3000k, 4000K)
- 3 SDCM colour consistency
- IP44 optical chamber
- Rated life 50,000 hours
- Surface mount base
- High lumen packages
- Trailing edge dimmable driver (integral)
- Construction: all aluminium construction with unique copper core heatsink technology
- Drivers for 12-24V DC supply available on request
- Dimensions: 89mm diameter x 162mm in height
- 10 year paint treatment (white only)

Options:
- CRI >90, Single colours

Options:
- KSM10
- KSM13
- 15° - 15° Reflector
- 25° - 25° Reflector
- 38° - 38° Reflector
- 60° - 60° Reflector
- 80° - 80° Diffused
- 3K - Warm White
- 4K - Neutral White
- 5.5K - Daylight
- WH - White
- SL - Silver
- BL - Black

Machined from 6063 Aluminium
KOPA PENDANT MOUNT (KPM)

10/13 WATT LED

- CRI >80 (3000k, 4000k)
- 3 SDCM colour consistency
- IP44 optical chamber
- Rated life 50,000 hours
- Surface mount base with 1800mm suspension wire as standard
- High lumen packages
- Trailing edge dimmable driver (integral)
- Construction: all aluminium construction with unique copper core heatsink technology
- Drivers for 12-24V DC supply available on request
- Dimensions: 89mm diameter x 162mm in height +1800mm suspension
- 10 year paint treatment (white only)

Options:
- CRI >90, Single colours
- Remote dimmable driver; DALI, DSI, PUSH DIM

Machined from 6063 Aluminium
KOPA ADJUSTABLE ROUND (AR50)
1 WATT LED

- Dimensions: 52mm round, 19mm high
- Cut-out 45mm round
- CRI >80 (3000k, 4000k)
- Rated life 50,000 hours
- Standard non-dim driver
- Construction: all aluminium
- Fitted with 30 degree lens, 15 degree and 80 degree lenses included
- 10 year paint treatment (white only)
- IP44

Options:
- Dimmable driver 1-10V, DALI, DSI, PUSH DIM, DMX 512 systems

Machined from 6063 Aluminium
KOPA BED LIGHT (KBL)
1 WATT LED

- Easy fit solid aluminium base
- Dimensions: head 25mm diam x 62mm, base 80mm diam x 10mm, adjustable stem 280mm
- CRI >80 (3000k, 4000k)
- Rated life 50,000 hours
- Standard non-dim remote driver K4W-350
- Construction: all aluminium
- Diffused optics

Machined from 6063 Aluminium

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KOPA BAFFLE ADAPTOR (BA)

USE WITH 80° DIFFUSED MODELS

K10-13-BA - Suitable for use with 80° diffused models only: FR100, AR110, FS100
K1235-BA - Suitable for use with 80° diffused models only: FR140, AR160

- Adds 20mm set back to diffuser optics
- Suitable for use with IP65 models
- Supplied as separate accessory

K10-13-BA
- WH - White
- BL - Black
- CUST - Custom Colour

K1235-30-BA
- WH - White
- BL - Black
- CUST - Custom Colour

LED PERFORMANCE AT ITS VERY BEST

Machined from 6063 Aluminium
KOPA ADAPTOR PLATE (KAP)
USE WITH AR160 SERIES

- 252mm diameter overall trim coverage
- Covers hole up to 248mm
- Adjustable tension spring lock
- Fits wide range of ceiling thickness
- Available in white, black and silver.
- 10 year paint treatment (white only)
- Customized adaptor plates on application
<table>
<thead>
<tr>
<th>LED Type</th>
<th>Color</th>
<th>Wattage</th>
<th>CD Max</th>
<th>Emax</th>
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<td>8840</td>
<td>224</td>
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</table>

*Speak to your local agent for other driver solutions available*
KOPA K18W LED DRIVER
TRAILING EDGE DIMMABLE

- Trailing edge dimmable constant current driver
- Low inrush current less than 1.2A, under 20 microseconds.
- Over temperature / Over current protection / Short circuit protection
- Power factor >0.9
- Smart dedicated led driver IC by NXP
- Quality electronic components
- Dimensions 115mm in length, 45mm width, 21mm height

<table>
<thead>
<tr>
<th>INPUT VOLTAGE</th>
<th>OUTPUT VOLTAGE</th>
<th>CONSTANT CURRENT</th>
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<tbody>
<tr>
<td>K18W-350D AC 215-254 V</td>
<td>DC 15-52 V</td>
<td>350mA</td>
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<tr>
<td>K18W-500D AC 215-254 V</td>
<td>DC 9-36 V</td>
<td>500mA</td>
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<tr>
<td>K18W-700D AC 215-254 V</td>
<td>DC 6-26 V</td>
<td>700mA</td>
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</tbody>
</table>

KOPA K30/36W LED DRIVER
TRAILING EDGE DIMMABLE

- Trailing edge dimmable constant current driver
- Low inrush current less than 13A, under 20 microseconds.
- Intelligent temperature compensated drive current adjustment
- Over temperature / Over current protection / Short circuit protection
- Power factor >0.9
- Smart dedicated led driver IC by Dialog semiconductor
- Quality electronic components
- Dimensions 166mm in length, 52mm width, 24mm height

<table>
<thead>
<tr>
<th>INPUT VOLTAGE</th>
<th>OUTPUT VOLTAGE</th>
<th>CONSTANT CURRENT</th>
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<td>DC 18-35 V</td>
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*Speak to your local agent for other driver solutions available*
KOPA GLOBAL DISTRIBUTING WORLDWIDE

SEEKING NEW DISTRIBUTORS WORLDWIDE
LED PERFORMANCE AT ITS VERY BEST.