KIMBAL Range

INSTALLATION INSTRUCTIONS

KA6 Adjustable Recessed Downlight

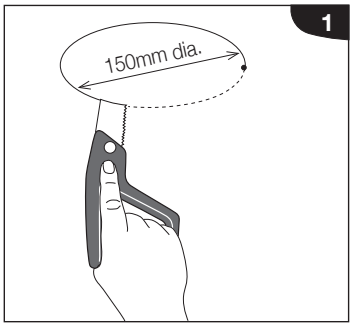
KA628	(2) 250mA	KA698	(9) 900mA
KA638	(3) 350mA	KA6108	(10)1050mA
KA658	(5) 500mA	KA6148	(14)1400mA
KA678	(7) 700mA		

IP 44 Without Lens
IP 54 With site fitted Lens
IP 65 With factory fitted Lens

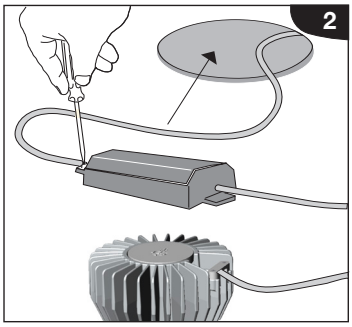
Complies with IEC60598
Complies with AS/NZS60598
RoHS compliant

Rated Wattage: 6-55W
Un: 220-240V
fn: 50/60Hz
Uout: 32-38 VDC
PF: 0.9C

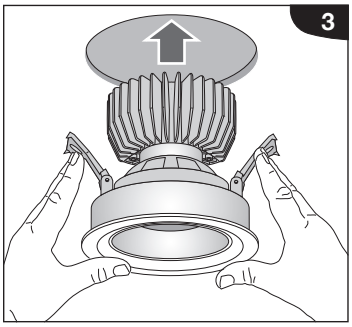
ADJUSTABLE DOWNLIGHT INSTALLATION



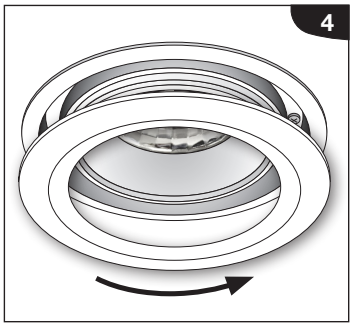
1. Cut 150mm diameter mounting hole



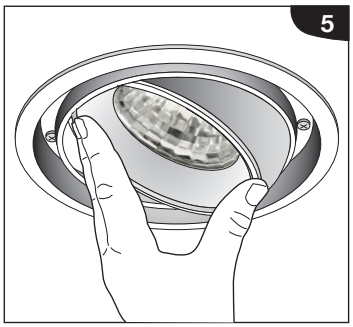
2. Connect driver, then insert into ceiling space



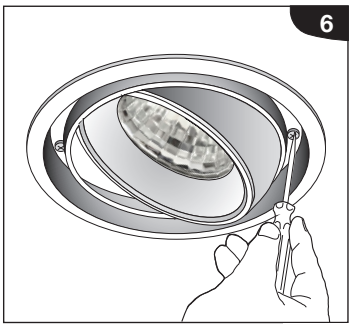
3. Gently insert downlight into ceiling while holding back mounting clips



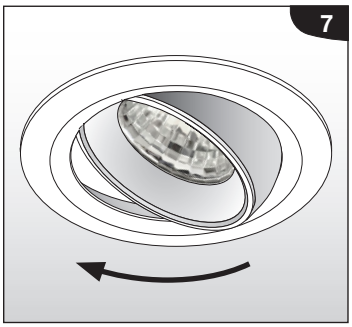
4. Remove ceiling plate (turn anti-clockwise)



5. Adjust body to desired beam position



6. Tighten both beam direction locking screws

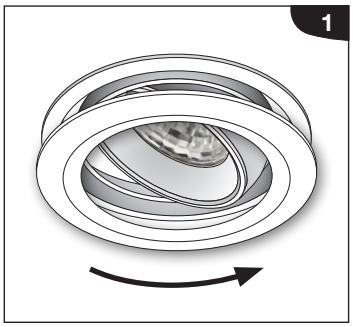


7. Install ceiling plate

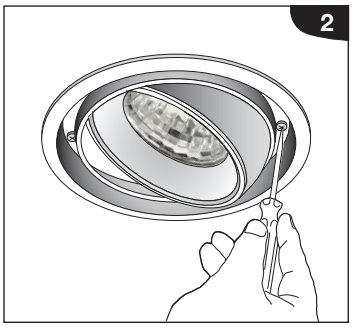
Note: The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

Note: If the external flexible cord of this luminaire is damaged it shall be replaced by the manufacturer, its service agent or a similarly qualified person.

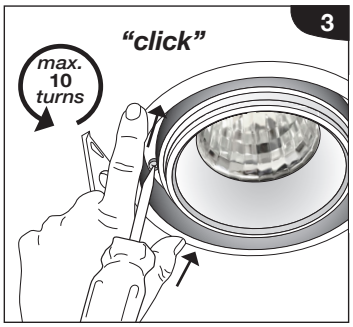
TO REMOVE ADJUSTABLE DOWNLIGHT



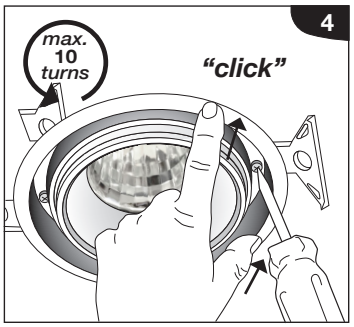
1. Remove Ceiling Plate (turn anti-clockwise).



2. Loosen Beam Direction Locking Screws and adjust Body to vertical position in chassis, tighten Beam Direction Locking Screws.

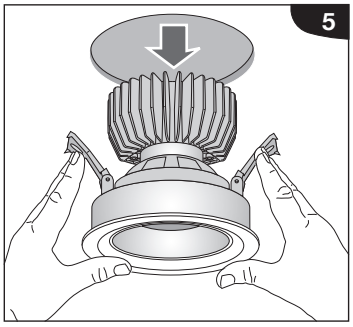


3. ***Push downlight firmly against*** the ceiling while unscrewing adjoining beam direction locking screw until the torsion mounting spring is released.*



4. Repeat Step 2 by unscrewing second beam direction locking screw.*

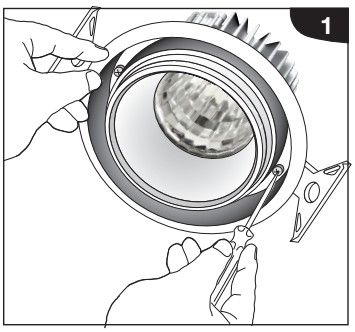
* **Do not use power screwdriver. Do not unscrew locking screw more than necessary (max. 10 turns).**

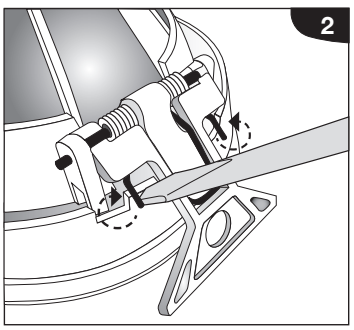


5. Gently remove downlight from ceiling.

TO RE-ENGAGE TORSION MOUNTING SPRING

1. Loosen Beam Direction Locking Screws and adjust Body to vertical position in chassis, tighten Beam Direction Locking Screws.
2. Using screwdriver, engage both tails of each torsion spring by pushing tails behind lugs on clamping ring.





KA6 Adjustable Recessed Downlight

Cables or cords (where provided):

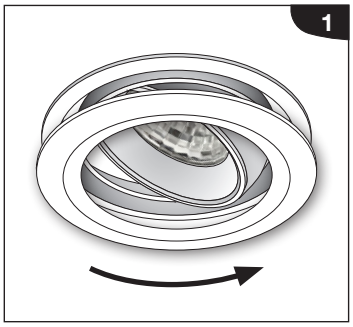
If any external cable or cord of the X or Y type luminaire is damaged, it shall be replaced by a qualified person or manufacturers service agent.

For Z type attachments to luminaire, cord cannot be replaced if damaged, the luminaire shall be removed from service.

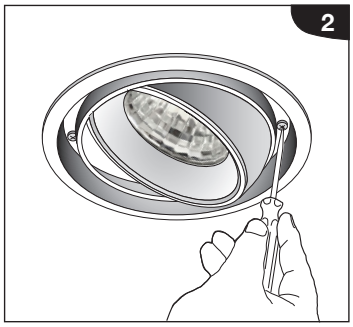
Flex cord types

- X: Specially prepared flexible cable or cord, may also include a part of the luminaire and only available from manufacturer.
- Y: Attachment may be used with either an ordinary or special flexible cable/cord.
- Z: Attachment of cable/cord that cannot be replaced without damage to luminaire.

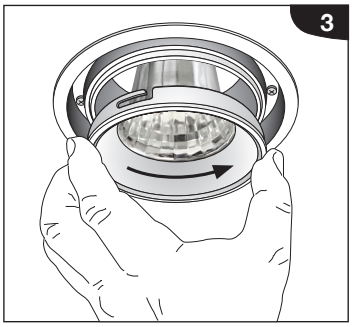
TO FIT IP54 SITE FITTED LENS ACCESSORY – IF DOWNLIGHT IS INSTALLED (If downlight is not installed follow Steps 3 to 5).



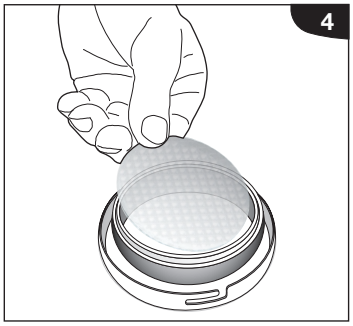
1. Remove Ceiling Plate (turn anti-clockwise).



2. Loosen Beam Direction Locking Screws slightly to allow Body to be moved to vertical position.

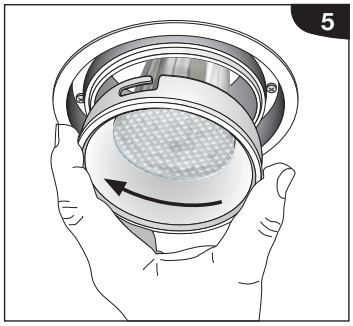


3. Remove Reflector Assembly (Thermoplastic ring and reflector) by turning anti-clockwise.

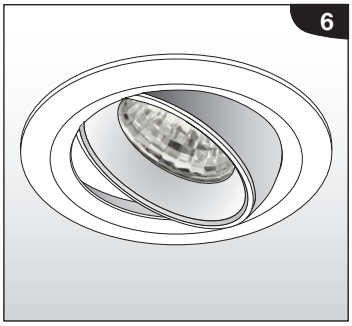


4. **Recessed Reflector Option** – fit IP54 Lens Accessory into Thermoplastic Reflector Ring

   Flush Reflector Option - fit IP65 Lens Accessory Into Reflector



5. Re-assemble Reflector Assembly (Reflector, IP54 Lens and thermoplastic Ring) and install assembly into downlight by turning clockwise.



6. Re-adjust body to desired position and follow downlight installation instructions – (5-7 shown overleaf).

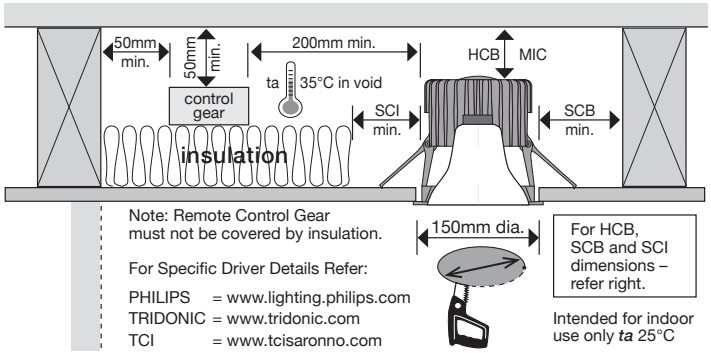
LED PERFORMANCE GUIDE – **KA6** Series (150mm hole cutout)

Wide Beam Option (**8**) – Narrow Beam Option (**4**) may vary ± 2%
X = 90CRI, 2 step SDCM **P** = 80CRI, 3 step SDCM **LED** Life Hrs ≥75,000 @ L90/B10

Watts (W)	TCI/Tridonic Driver current (mA)	Colour Temp **4** (4000k)	Output Lumens **X** (KF6X)	Output Lumens **P** (KF6P)	Efficacy lm/W (delivered) **X** (KF6X)	Efficacy lm/W (delivered) **P** (KF6P)	R9 Value **X** (KF6X)	R9 Value **P** (KF6P)	Insulation Class **
10	**2** (250)	**4**	1084	1239	114	124	55	15	IC-4
14	**3** (350)	**4**	1530	1749	109	125	55	15	IC-4
20	**5** (500)	**4**	2212	2530	115	126	55	15	CA90
28	**7** (700)	**4**	2916	3335	108	119	55	15	CA90
35	**9** (900)	**4**	3600	4117	103	117	55	15	CA90
41	**10** (1050)	**4**	4110	4701	100	114	55	15	CA90
56	**14** (1400)	**4**	5315	6079	98	108	55	15	Do Not Cover

– Figures may be extrapolated / interpolated from data at other currents and may vary ± 2.5%
– Output Lumens : Delivered lumen output from downlight, including thermal, electrical and optic losses.
– Weighs: Downlight = 850gms, Remote Gear = 250gms
** Excludes Driver

BUILDING ELEMENT CLEARANCES



Note: Remote Control Gear must not be covered by insulation.

For Specific Driver Details Refer:

PHILIPS = www.lighting.philips.com
TRIDONIC = www.tridonic.com
TCI = www.tcisaronno.com

For HCB, SCB and SCI dimensions – refer right.

Intended for indoor use only ***ta*** 25°C

LENS ACCESSORY NOTE:

Prismatic Lens
– Smooth surface facing light source.

Diffusion Lens
– Matt surface facing light source.

Intended for indoor use only ***ta*** 25°C

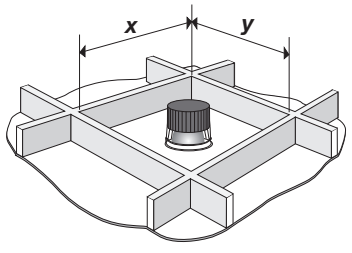
HCB = Minimum Height Clearance Building Element

SCB = Minimum Side Clearance Building Element

SCI = Minimum Side Clearance Insulation

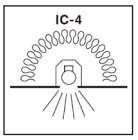
MIC = Minimum Insulation Clearance

x x ***y*** = 0.25 M² min.



WARNING
Risk of overheating or fire if the clearance distances are compromised.

CLASSIFICATIONS



IC-4 LUMINAIRES

Restricted access
In this Standard, this is assessed for access to high temperature parts by use of a IP4X-1mm probe to sides, top and front face of luminaire. 90°C limit on side or top or mounting surface of luminaire.

Suitable for residential or commercial use in Australia and New Zealand.

Used where air transfer is not permitted or not desired between living space and roof space (there will be no air transfer between spaces even if there is no insulation covering the luminaire).

Typical use is passive house design where no air transfer is allowed.

These luminaires have been tested to show that they are suitable for normal use when covered in building insulation.

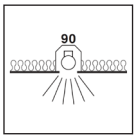
Not verified as tested/compliant to Australian/ New Zealand standards.

Marking is required by standards—no marking indicates noncompliance.

Installation instructions specifying any clearance distance is required by this Standard.

Do not install any luminaire that does not have one of the marking symbols or instructions specifying any clearance distances.

NOTE For luminaires installed prior to the publication of this Standard (AS/NZS 60598.2.2:201X), which do not have marking and/or installation instructions with clearance distances specified, refer to AS/NZS 3000.



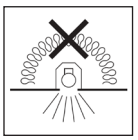
CA90 LUMINAIRES

HCB = 50mm
SCB = 50mm
MIC = 50mm
SCI = 0mm (Abutted)

Risk of fire – Building insulation must not cover this luminaire.

Building insulation may abut the luminaire.

Required clearance from structural members and building elements.



DO NOT COVER LUMINAIRES

HCB = 50mm
SCB = 100mm
SCI = 100mm

Risk of fire – Building insulation must not cover this luminaire.
Required clearance from structural members and building elements.

WARNING (New Zealand Only)
This luminaire is not suitable for installation in locations where the thermal insulation is present, or may reasonably be expected to be installed in the future, or where there is a likelihood of other combustible material, e.g, leaves or vermin debris, etc. collecting on or around the luminaire. It is not suitable for domestic installations or installation in residential areas of non-domestic installations (Residential institutions, Hotels, boarding houses, hospitals, accommodation houses, motels, hostels and the like.