

Lense Accessories for Surface Mounted & Suspended Downlights

Flush Lenses
P Prismatic
D Diffusion
C Clear

Recessed Lenses
P Prismatic
D Diffusion
C Clear

IP 65 version available on request
 – lense accessory required.

Complies with IEC60598
 Complies with AS/NZS60598
 RoHS compliant

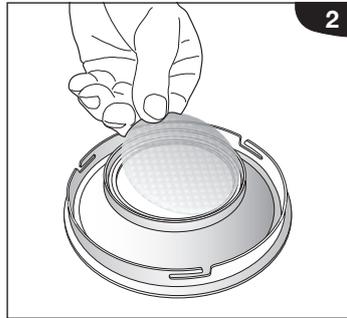
IP 20



TO FIT LENSE ACCESSORY

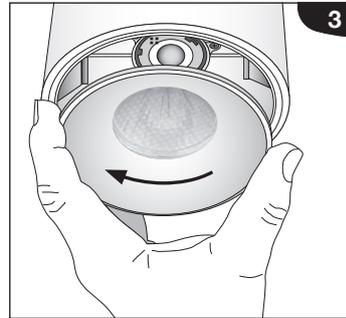


1. Remove ceiling ring/reflector assembly (turn anti-clockwise).



2. **Recessed Reflector Option** - fit IP65 Lense Accessory into Ceiling Ring.

Flush Reflector Option - fit IP65 Lense Accessory Into Reflector.



3. Re-assemble Reflector Assembly (Reflector, IP65 Lense and Ceiling Ring) and install assembly into downlight by turning clockwise.

LENSE ACCESSORY NOTE:

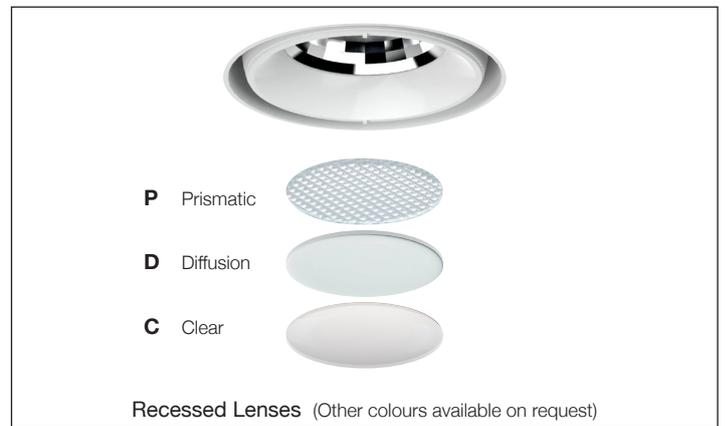
Prismatic Lens

Smooth surface facing light source.

Diffusion Lens

Matt surface facing light source.

Lenes Accessories Available (Can be fitted to chassis after installation)



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 20

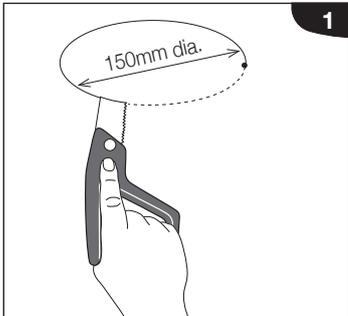


Complies with IEC60598
Complies with AS/NZS60598
RoHS compliant

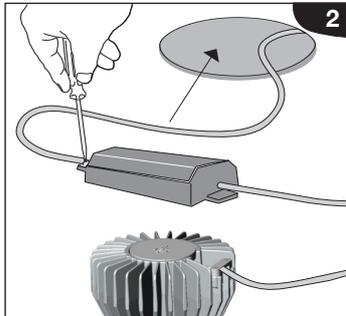
Note: The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

Supply voltage 220-240V 50 HZ Min. distance from building element = 0.1M

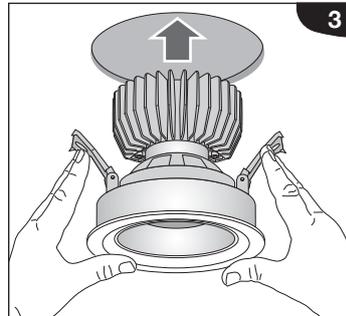
ADJUSTABLE DOWNLIGHT INSTALLATION



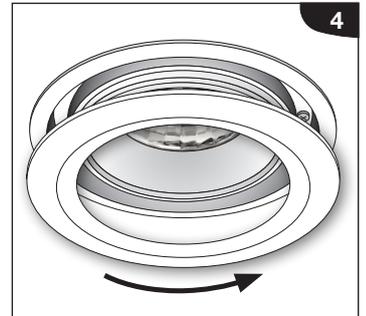
1. Cut 150mm diameter mounting hole



2. Connect driver, then insert into ceiling space



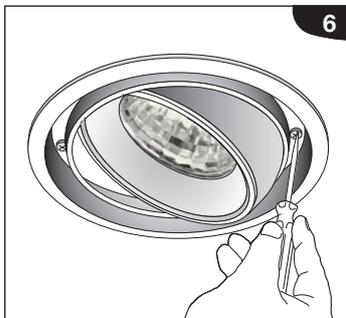
3. Gently insert downlight into ceiling while holding back mounting clips



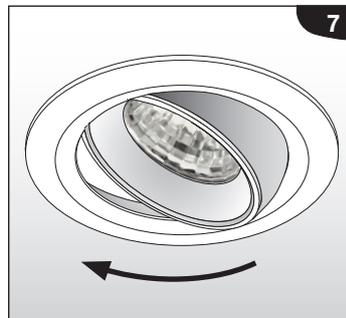
4. Remove ceiling plate (turn anti-clockwise)



5. Adjust body to desired beam position

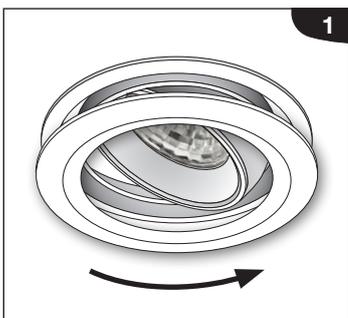


6. Tighten both beam direction locking screws

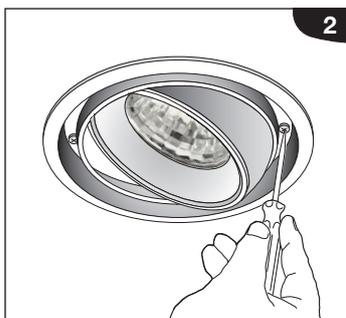


7. Install ceiling plate

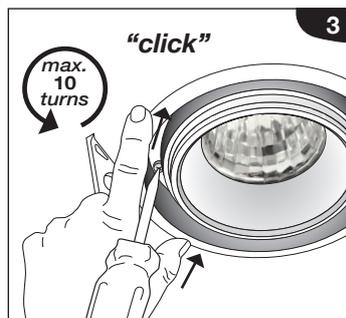
TO REMOVE ADJUSTABLE DOWNLIGHT



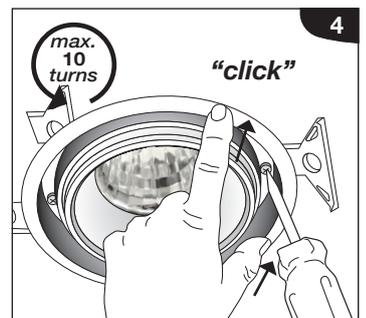
1. Remove Ceiling Plate (turn anti-clockwise).



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

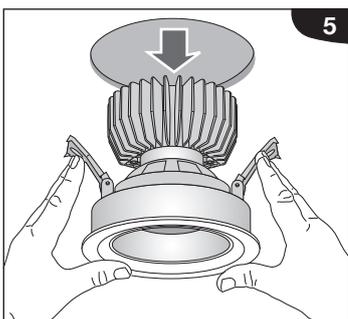


3. **Push downlight firmly against the ceiling while unscrewing adjoining beam direction locking screw until the torsion mounting spring is released.***



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).**

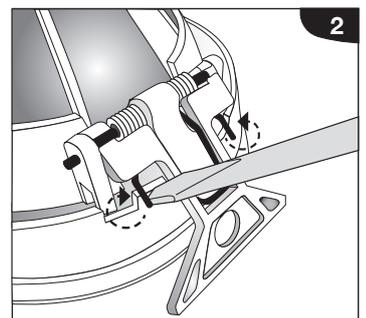
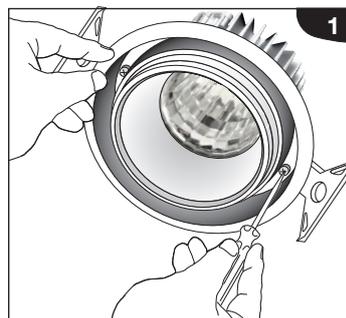


5. Gently remove downlight from ceiling.

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.



Complies with IEC60598
Complies with AS/NZS60598
RoHS compliant

IP 20

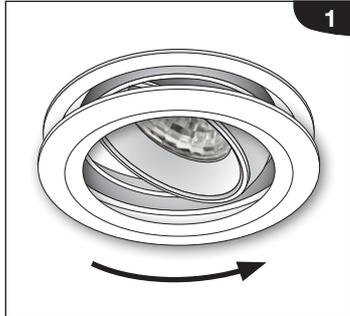


Note: The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

Supply voltage 220-240V 50 HZ Min. distance from building element = 0.1M



TO FIT IP65 LENSE ACCESSORY – IF DOWNLIGHT IS INSTALLED (If downlight is not installed follow Steps 3 to 5).



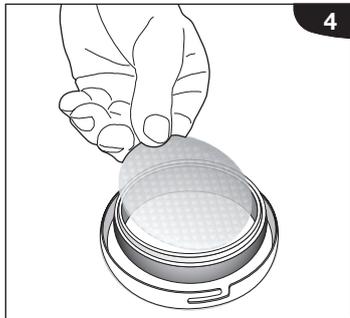
1. Remove Ceiling Plate (turn anti-clockwise).



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.

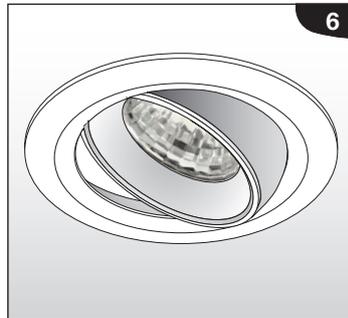


4. **Recessed Reflector Option** - fit IP65 Lense Accessory into Thermoplastic Reflector Ring

Flush Reflector Option - fit IP65 Lense Accessory Into Reflector



5. Re-assemble Reflector Assembly (Reflector, IP65 Lense and thermoplastic Ring) and install assembly into downlight by turning clockwise.

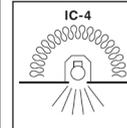


6. Re-adjust body to desired position and follow downlight installation instructions – (5-7 shown overleaf).

Lense Accessory Where Applicable:

- Prismatic Lense
Smooth surface facing light source.
- Diffusion Lense
Matt surface facing light source.

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.

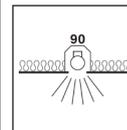
Not verified as tested/compliant to Australian/New Zealand standards.

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.



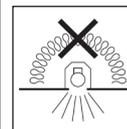
CA90 LUMINAIRES

- 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).

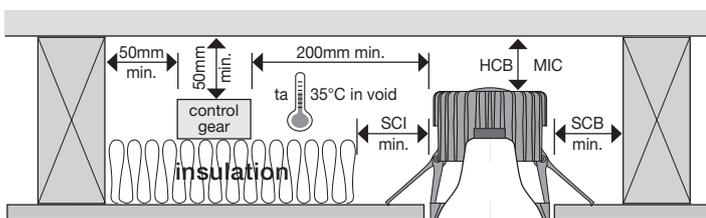
LED PERFORMANCE GUIDE – KA6 Series (150mm hole cutout)

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 | | Efficacy lm/W (delivered) | | R9 Value | | Insulation Class |
|-----------|----------------------------------|-----------------------|---------------|----------|---------------------------|----------|----------|----------|------------------|
| | | | X (KF6X) | P (KF6P) | X (KF6X) | P (KF6P) | X (KF6X) | P (KF6P) | |
| 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

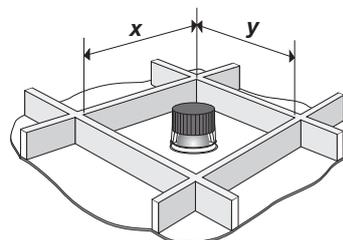
BUILDING ELEMENT CLEARANCES



Note: Remote Control Gear must not be covered by insulation.
For Specific Driver Details Refer:
TRIDONIC = www.tridonic.com
TCI = www.tcisaronno.com

For HCB, SCB and SCI dimensions – refer right.

$X \times Y = 0.25 \text{ M}^2 \text{ min.}$



KC6 Cable Suspended Downlight

KC628 (2) 250mA
KC638 (3) 350mA

KC658 (5) 500mA
KC678 (7) 700mA

Complies with IEC60598
Complies with AS/NZS60598
RoHS compliant

IP 20

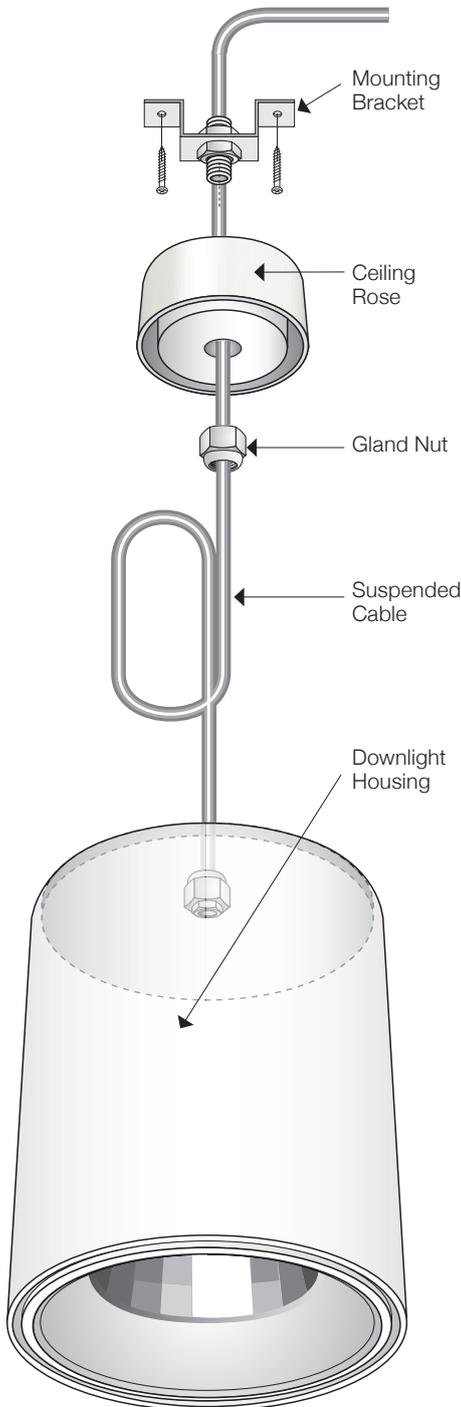


Note: The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

IP65 version available on request – lense accessory required.

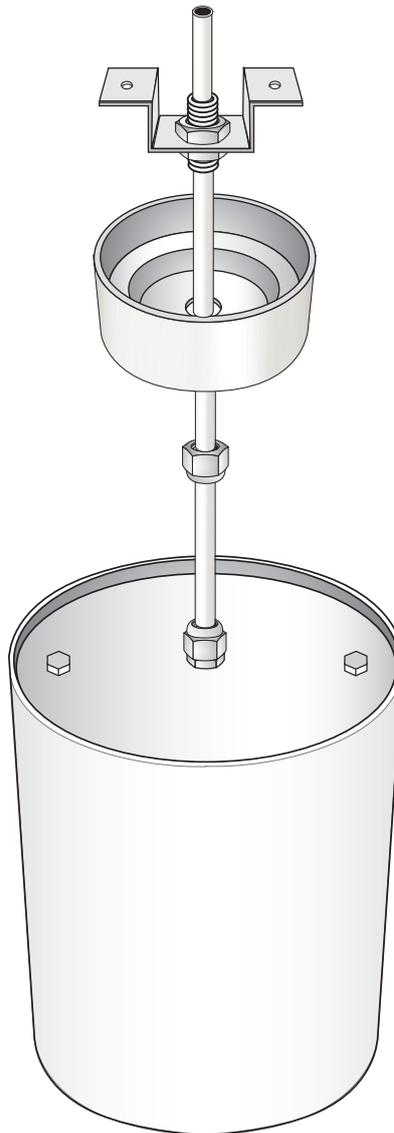
Supply voltage 220-240V 50 HZ Min. distance from building element = 0.1M

Components

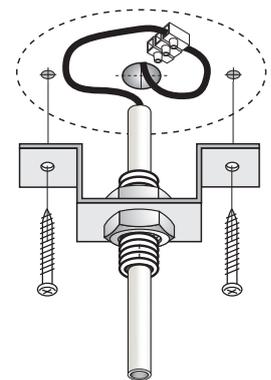


Note IP65 Option: Ceiling Rose to be sealed against mounting surface to prevent water ingress.

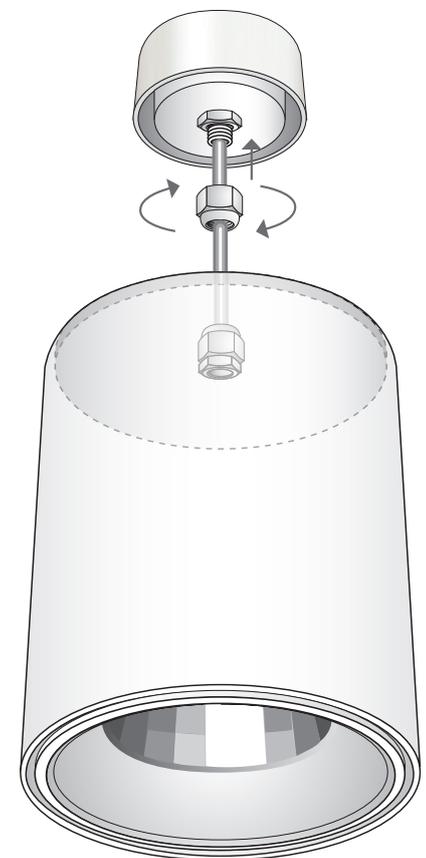
1 Release Ceiling Rose by unscrewing Gland Nut from Mounting Bracket and cut cable to required length.



2 Fix Mounting Bracket to mounting surface and connect cable to power supply.



3 Re-connect Ceiling Rose to Mounting Bracket with Gland Nut.



Lense Accessory Where Applicable:
Prismatic Lense
 Smooth surface facing light source.
Diffusion Lense
 Matt surface facing light source.

KIMBAL Range INSTALLATION INSTRUCTIONS



KF6 Fixed Recessed Downlight

| | |
|-----------------|--------------------|
| KF628 (2) 250mA | KF698 (9) 900mA |
| KF638 (3) 350mA | KF6108 (10) 1050mA |
| KF658 (5) 500mA | KF6148 (14) 1400mA |
| KF678 (7) 700mA | |

IP 20

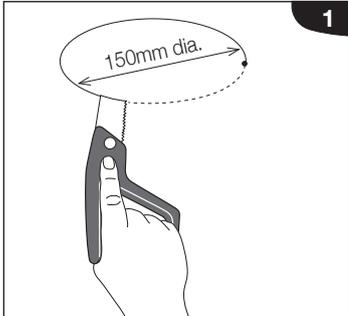


Complies with IEC60598
Complies with AS/NZS60598
RoHS compliant

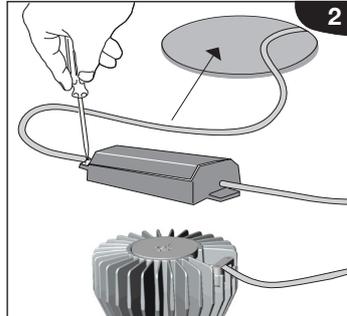
Note: The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

Supply voltage 220-240V 50 HZ Min. distance from building element = 0.1M

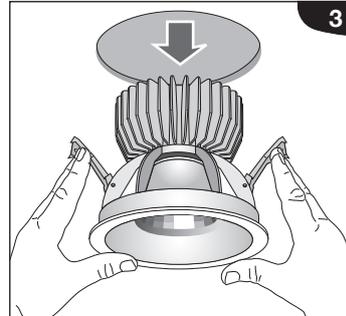
FIXED DOWNLIGHT INSTALLATION



1. Cut 150mm diameter mounting hole.



2. Connect driver, then insert into ceiling space.

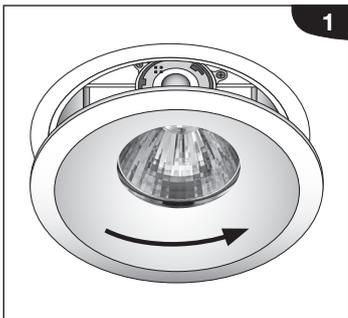


3. Gently insert downlight into ceiling while holding back mounting clips.

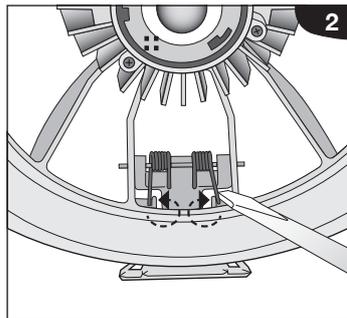


4. Ceiling ring/reflector assembly can be removed (turn anti-clockwise) to allow for cleaning/painting ceiling.

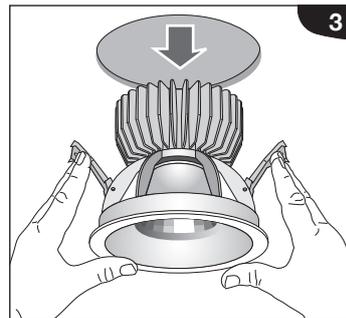
TO REMOVE FIXED DOWNLIGHT



1. Remove ceiling ring/reflector assembly (turn anti-clockwise).

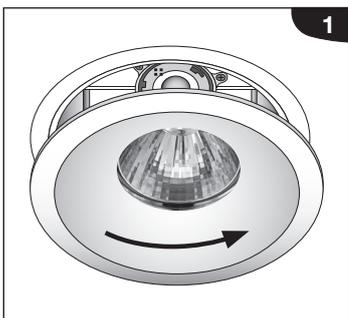


2. Disengage both tails of each torsion spring by pushing tails behind lugs.

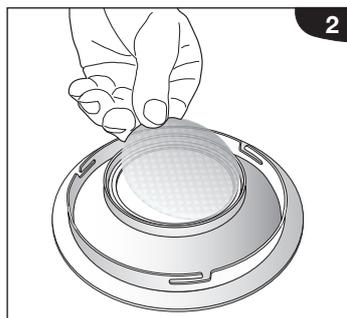


3. Gently remove downlight from ceiling.

TO FIT IP65 LENSE ACCESSORY



1. Remove ceiling ring/reflector assembly (turn anti-clockwise).



2. **Recessed Reflector Option** - fit IP65 Lens Accessory into Ceiling Ring.

Flush Reflector Option - fit IP65 Lens Accessory Into Reflector.



3. Re-assemble Reflector Assembly (Reflector, IP65 Lens and Ceiling Ring) and install assembly into downlight by turning clockwise.

LENSE ACCESSORY NOTE:
Prismatic Lens
- Smooth surface facing light source.
Diffusion Lens
- Matt surface facing light source.

Complies with IEC60598
Complies with AS/NZS60598
RoHS compliant

IP 20



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Supply voltage 220-240V 50 HZ Min. distance from building element = 0.1M



LED PERFORMANCE GUIDE – KF6 Series (150mm hole cutout)

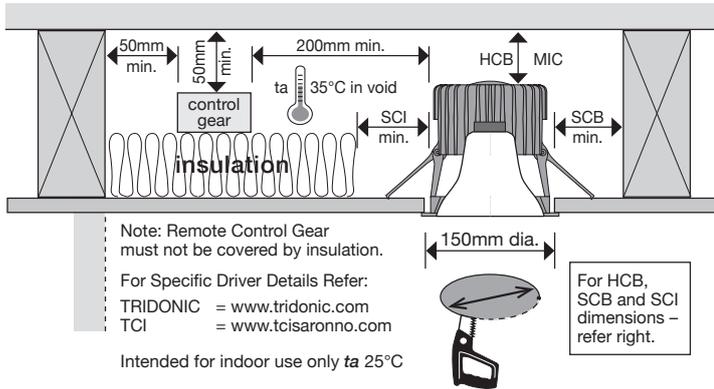
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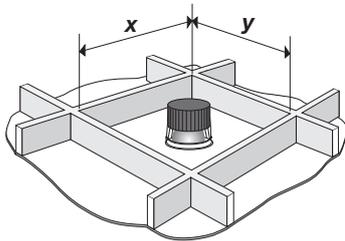
| Watts (W) | TCI/Tridonic Driver current (mA) | Colour Temp 4 (4000k) | Output Lumens | | Efficacy lm/W (delivered) | | R9 Value | | Insulation Class |
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| | | | X (KF6X) | P (KF6P) | X (KF6X) | P (KF6P) | X (KF6X) | P (KF6P) | |
| 10 | 2 (250) | 4 | 1065 | 1218 | 106 | 122 | 55 | 15 | IC-4 |
| 14 | 3 (350) | 4 | 1504 | 1702 | 107 | 122 | 55 | 15 | IC-4 |
| 20 | 5 (500) | 4 | 2175 | 2488 | 114 | 128 | 55 | 15 | CA90 |
| 27 | 7 (700) | 4 | 2867 | 3279 | 106 | 121 | 55 | 15 | CA90 |
| 35 | 9 (900) | 4 | 3539 | 4048 | 101 | 115 | 55 | 15 | CA90 |
| 40 | 10 (1050) | 4 | 4040 | 4621 | 101 | 115 | 55 | 15 | CA90 |
| 56 | 14 (1400) | 4 | 5224 | 5975 | 93 | 106 | 55 | 15 | Do Not Cover |

- Figures may be extrapolated / interpolated from data at other currents and may vary ± 2.5%
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- Weighs: Downlight = 850gms, Remote Gear = 250gms

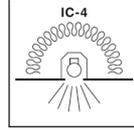
BUILDING ELEMENT CLEARANCES



$x \times y = 0.25 \text{ M}^2 \text{ min.}$



CLASSIFICATIONS



IC-4 LUMINAIRES

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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.

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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.

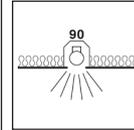
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NOTE For luminaires installed prior to the publication of this Standard (AS/NZS 60598.2.2:201X), which do not have marking and/or installation instructions with clearance distances specified, refer to AS/NZS 3000.

HCB = Minimum Height Clearance Building Element
SCB = Minimum Side Clearance Building Element



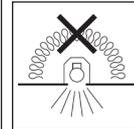
CA90 LUMINAIRES

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 = 50mm
SCI = 100mm

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

Required clearance from structural members and building elements.

WARNING (New Zealand Only)

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SCI = Minimum Side Clearance Insulation
MIC = Minimum Insulation Clearance

KR6 Rod Suspended Downlight

KR628 (2) 250mA
KR638 (3) 350mA

KR658 (5) 500mA
KR678 (7) 700mA

Complies with IEC60598
Complies with AS/NZS60598
RoHS compliant

IP 20

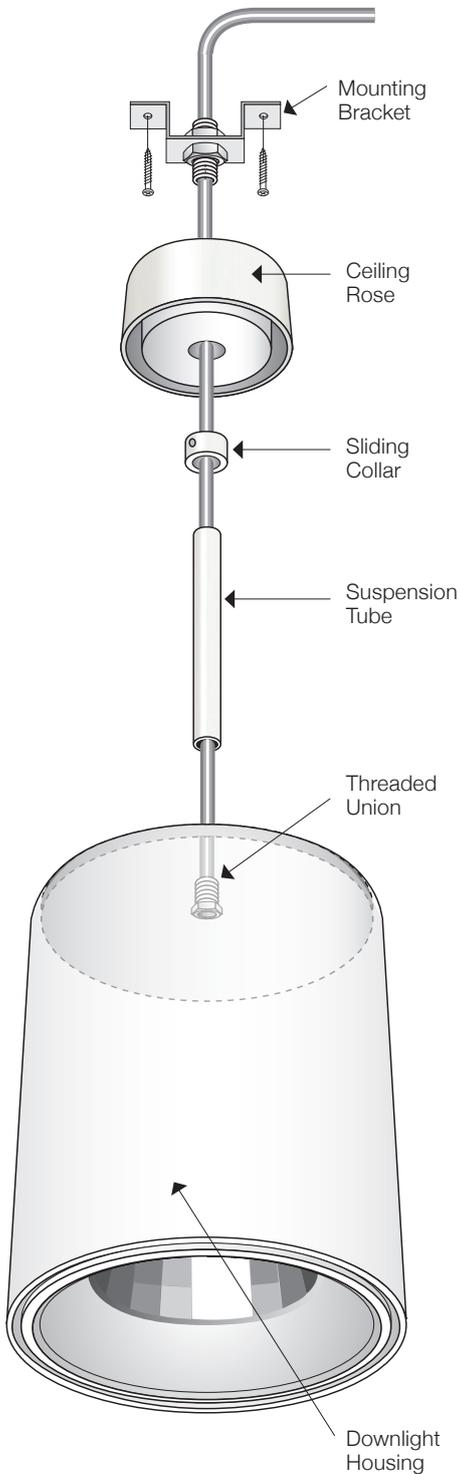


Note: The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

IP65 version available on request – lense accessory required.

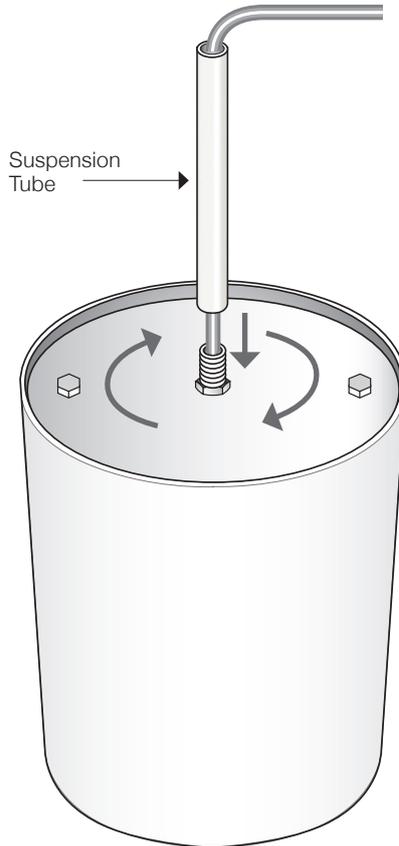
Supply voltage 220-240V 50 HZ Min. distance from building element = 0.1M

Components

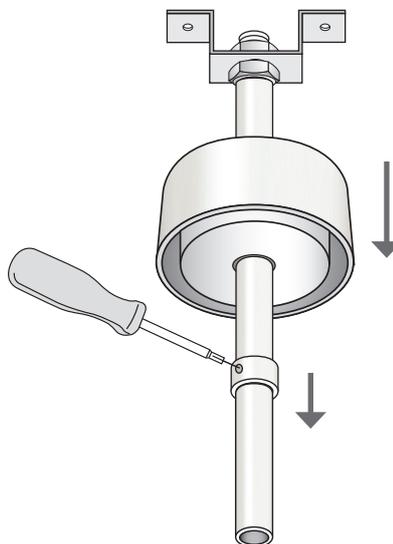


Note IP65 Option: Ceiling Rose to be sealed against mounting surface to prevent water ingress.

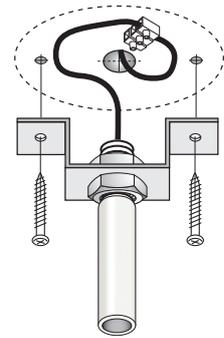
1 Thread cable through Suspension Tube and screw Tube into threaded union.



2 Loosen Sliding Collar and lower Ceiling Rose.



3 Fix Mounting Bracket to mounting surface and connect cable to power supply.



4 Secure Ceiling Rose with Sliding Collar.



Lense Accessory Where Applicable:

Prismatic Lense
Smooth surface facing light source.

Diffusion Lense
Matt surface facing light source.

KS6 Surface Mounted Downlight

KS628 (2) 250mA
KS638 (3) 350mA

KS658 (5) 500mA
KS678 (7) 700mA



Complies with IEC60598
Complies with AS/NZS60598
RoHS compliant

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

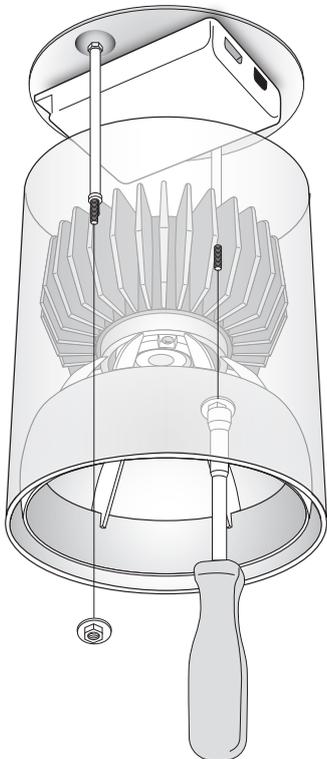
Supply voltage 220-240V 50 HZ Min. distance from building element = 0.1M

IP65 version available on request – lense accessory required.

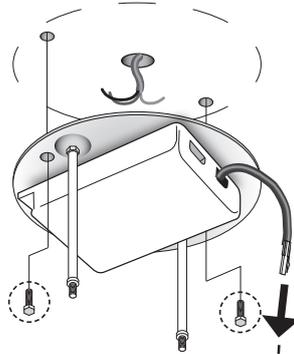
- 1** Remove Reflector Assembly (thermoplastic ring and reflector) from Body by turning anti-clockwise.



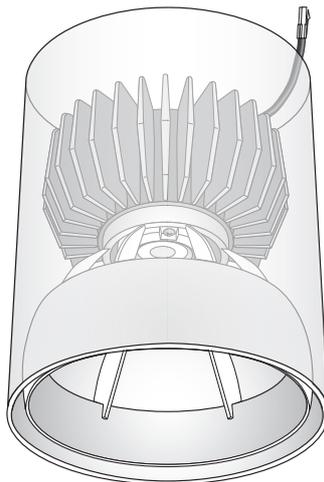
- 2** Remove Driver Mounting Plate from Body by unscrewing washered mounting nuts (tool supplied).



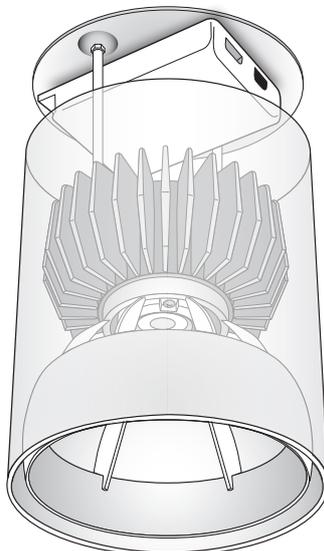
- 3** Fix Driver Mounting Plate to mounting surface and connect mains cable.



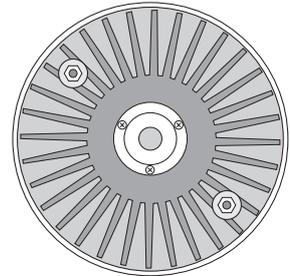
- 4** Connect Body cable to driver secondary cable.



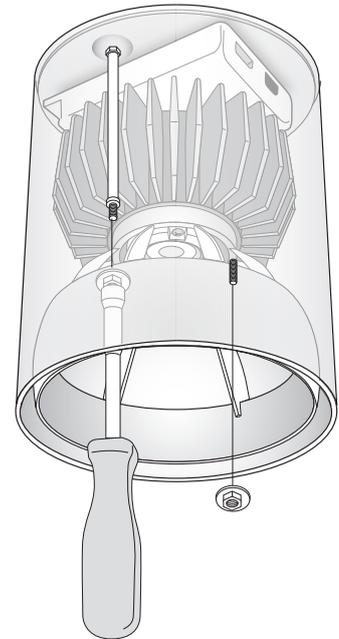
- 5** Align Body with Driver Mounting Plate.



- 6** Gently press threaded mounting rods against Body while slowly rotating Body until rods locate mounting holes.



- 7** Secure Body with washered nuts. CAUTION – do not over tighten.



- 8** Replace Reflector Assembly.



Lense Accessory Where Applicable:

Prismatic Lens
Smooth surface facing light source.

Diffusion Lens
Matt surface facing light source.

KSP6 Spotlight Downlight

| | | | |
|--------|-----------|---------|------------|
| KSP628 | (2) 250mA | KSP678 | (7) 700mA |
| KSP638 | (3) 350mA | KSP698 | (9) 900mA |
| KSP658 | (5) 500mA | KSP6108 | (10)1050mA |

IP 20

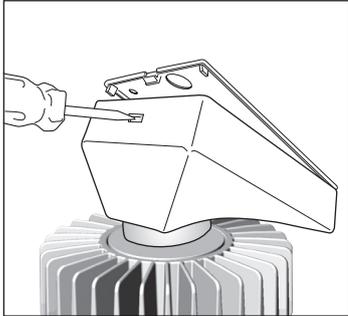


Complies with IEC60598
 Complies with AS/NZS60598
 RoHS compliant

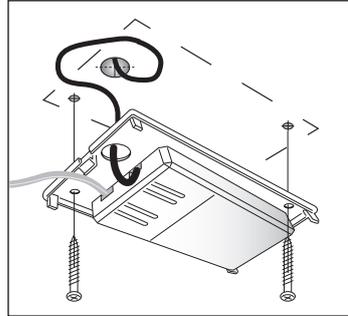
Note: The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

Supply voltage 220-240V 50 HZ Min. distance from building element = 0.1M

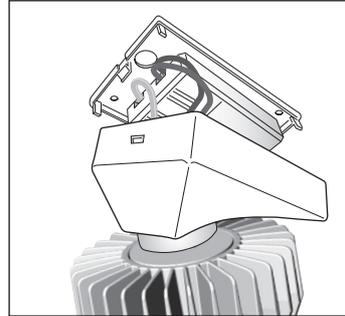
SPOTLIGHT INSTALLATION



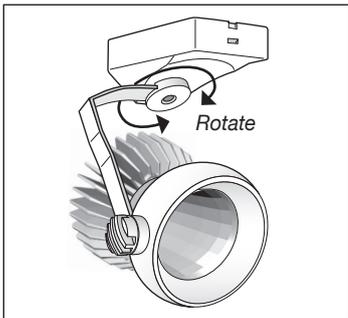
1. Unclip Mounting Plate from Base and disconnect cable from Driver.



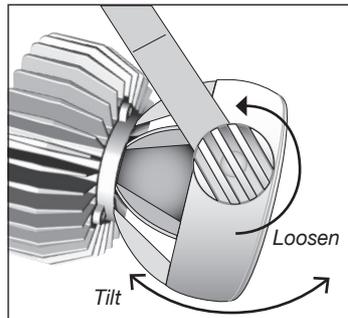
2. Screw Mounting Plate to mounting surface and connect power supply to driver.



3. Re-connect cable to driver and re-clip Base to Mounting Plate.



4. Rotate Body to desired position.



5. Loosen Adjustment Knob and angle Body to desired position then tighten knob.

Note: not suitable for mounting on timber surfaces less than 5mm thick.