

INSTALLATION / WARRANTY INSTRUCTIONS

issue date: 03/12/2015

PRODUCT BRAND - Concord

PRODUCT NAME / CODES - AKA (AK108331, AK108332, AK108333, AK108431, AK108432, AK108433, AK152371, AK152372, AK152373, AK152471, AK152472, AK152473, AK1863141, AK1863142, AK1863143, AK1864141, AK1864142, AK1864143, AT1863171, AT1864171)

PLEASE READ THESE INSTALLATION INSTRUCTIONS CAREFULLY BEFORE INSTALLING OR MAINTAINING THIS EQUIPMENT. THE PRODUCT IS DESIGNED FOR INSTALLATION AND MAINTENANCE IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS (AS3000) AND LOCAL REGULATIONS (WHERE APPLICABLE), BY AN AUTHORISED AND LICENCED ELECTRICIAN. THE INSTALLATION INSTRUCTIONS WERE CORRECT AT THE TIME OF PRINT. TO REFLECT CHANGES IN TECHNOLOGY AND AUSTRALIAN STANDARDS; GERARD LIGHTING RESERVES THE RIGHT TO AMEND THE INSTRUCTIONS WITHOUT NOTICE. UPDATED GUIDELINES CAN BE FOUND ON THE RELEVANT BRAND WEB SITE. **IMPORTANT** - THE PRODUCT MUST BE MAINTAINED AND OPERATED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, FAILURE TO DO SO MAY DAMAGE THE PRODUCT AND SERVICES. IT IS STRONGLY RECOMMENDED THAT THIS IMPORTANT NOTE BE COMMUNICATED TO THE OWNER AND OR OPERATOR OF THE INSTALLATION AT THE TIME OF SITE COMMISSIONING. GOOD PRACTICE DOES NOT RECOMMEND THE 24/7 USE OF PRODUCTS WITHOUT THE APPLICATION OF SUITABLE SWITCH CYCLE INTERVALS. FURTHERMORE, WITH THE OMISSION OF NOMINATED SURVIVAL CURVES AND OR RECOMMENDED OPERATING HOURS, PRODUCT DESIGN EXPECTATIONS PROVIDE FOR A CONTINUAL DAILY USAGE OF 6 HOURS FOR RESIDENTIAL APPLICATIONS AND A CONTINUAL DAILY USAGE OF 12 HOURS FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS. ALL PRODUCTS MUST BE THOROUGHLY CLEANED ON A REGULAR BASIS AT INTERVALS THAT REFLECT IN THE INSTALLATION ENVIRONMENT, ENSURING THE OPTICAL PERFORMANCE, TOGETHER WITH THE ELECTRICAL, MECHANICAL AND STRUCTURAL INTEGRITY AS DESIGNED, IS MAINTAINED THROUGHOUT THE SERVICE LIFE OF THE PRODUCT.

QR CODE
 PLACEMENT
 IF AVAILABLE

For the latest product online reference data, simply install and activate a QR code scanner application on your smartphone. For more information refer brand web.



1. PRODUCT SPECIFICATION:

- | | |
|---|---|
| Product brand | - Concord |
| Type of Protection | - Class I / II Luminaire |
| IP Rating - for interior products, the IP rating nominated is "from below the ceiling" unless specifically nominated. | - IP20 |
| Nominal design Voltage | - 100-240V |
| Circuit wattage | - MINI (AK108331, AK108332, AK108333, AK108431, AK108432, AK108433) = 15W
MINOR (AK152371, AK152372, AK152373, AK152471, AK152472, AK152473) = 42W
MAJOR (AK1863141, AK1863142, AK1863143, AK1864141, AK1864142, AK1864143) = 54W
TILT (AT1863171, AT1864171) = 67W |
| Line current | - MINI (AK108331, AK108332, AK108333, AK108431, AK108432, AK108433) = .35A
MINOR (AK152371, AK152372, AK152373, AK152471, AK152472, AK152473) = .7A
MAJOR (AK1863141, AK1863142, AK1863143, AK1864141, AK1864142, AK1864143) = 1.05A
TILT (AT1863171, AT1864171) = 1.75A |
- Important – when installing electronic or HID lighting equipment, the installer must consider the in-rush start current (if any) as documented on the control gear identification label when selecting appropriate circuit controls or protective devices.
- | | |
|--|---|
| Power factor | - ≥0.9 |
| Nominal Freq. (Hz) | - 50 Hz |
| Rated Minimum / Maximum Ambient Temperature | - -10°C / 25°C |
| Suitable for direct mounting on flammable surfaces | - YES |
| Dimmable (if relevant refer brand web for approved list) | - YES |
| Installation orientation | - Ceiling only |
| Designed application | - Interior |
| Rated average design life | - 35,000hrs (to L70, 50% survival please state) |

2. APPROVALS: The RCM marking of this product applies to AS/NZS CISPR15 (EMC) "Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment". This product is designed to conform to AS/NZS60598 "Luminaires, general requirements and tests".



3. STORAGE: Prior to installation products are to be stored in cool and dry conditions.

4. APPLICATION: The installation application and orientation of the product is designed in accordance with the nominated product IP rating, class designation and these installation instructions. Installation environments and operating conditions beyond these instructions are not recommended.

5. INSTALLATION / GENERAL: Installation of the product is to be completed by an authorized and licensed electrician, in accordance with these instructions, relevant Australia standards and local regulations (where applicable). Termination of product wiring, together with the installation of the product must be in a manner and orientation that maintains the integrity of the designated IP rating of the product For electronic control equipment (when supplied) DO NOT MEGGER between A and N.

6. INSTALLATION / SPECIAL CONDITIONS (relevant only for products approved for such an installation):

(a) products installed in high wind environments must have suitable installation / fastening methods applied to ensure the product's mounting points are not damaged through, corrosion, constant vibration and or movement. Exterior products are designed with precise vertical aiming limits, which should not be exceeded. Any vertical floodlight aiming requirements should be specifically validated in writing with the relevant brand before consideration.

(b) products installed in corrosive or salt laden environments require special consideration and such; specific product selection, inclusive of suitable fastening methods and extensive ongoing maintenance of products installed in these environments require professional advice. It is essential that all aspects of the product selection, material specification and maintenance are specifically designed for such use and a cleaning program be adopted that maintains the design integrity of the product.

(c) interior highbay products must be vertically suspended. The method of suspension (chain etc) must be able to support at least 5 times the total weight of the fitting. Do not install where air movement will cause the fitting to swing about, causing wear and tear of attachment points. Luminaires should be installed where access for maintenance is practical and allows for maintenance to be completed in accordance with the manufacturer's recommendations.

(d) interior (downlight) products must be installed to ensure the lamp unit or the driver (if supplied) are not covered with any combustible materials or insulation; minimum spacings nominated for these materials are mandatory. Unless otherwise specified, minimum clearances are in accordance with AS3000 requirements. The product is not designed for installation environments which restrict conventional airflow movements eg: enclosed boxes or concrete profiles. For dimming purposes please see the relevant product brand web site for the dimming compatibility chart. When mounting multiple fixtures to conductive structures, it is recommended that the structure is earthed. The mounting facilities provided for the transformer/driver (if any), need only be utilized if in the application of the product is required by AS3000. IP ratings stated (if any) are from below the ceiling unless stated otherwise and the installation of the product must be in a manner that maintains the integrity of the relevant IP rating.

7. MAINTENANCE:

(a) The supply must be isolated before opening or accessing the luminaire. Product maintenance is IMPORTANT and is critical to the products designed performance. The product is to be maintained in accordance with the manufacturer's instructions. For the latest product maintenance guides please go to relevant brand web site. Gerard Lighting is not responsible for any product not maintained in accordance with the recommended procedure or intervals. **(b) lamps (where provided):** The product is designed with the supplied (LEDs) / LAMP/s and it is strongly recommended that any LAMP / (LEDs) changes (if any) be made in accordance with the type, colour and brand supplied. For recommended LAMP / LED maintenance or operating guides (inclusive of recommended product switch cycles and mandatory run-in procedures for HID and Fluorescent lamps when used with dimming circuits), Gerard Lighting recommends the application of the lamp manufacturer's operating guidelines, which can be found on manufacturer's website. Gerard Lighting is not responsible for the product performance of alternative lamp/s used. As a member of FluroCycle, we encourage recycling of lamps and components. **(c) battery (where provided):** The battery is designed with a rated average battery design life of 25,000 hours in standby mode. The battery is supported with a standard 12 month warranty; conditional of the product being maintained and operated in accordance with the manufacturer's guidelines and tested in accordance with AS/NZS2293. For guidelines see product installation instructions or visit the relevant brand web site. **(d) for products supplied with glass visors or covers,** do not operate the product with a damaged visor or cover; it is recommended the product be turned off, area surrounding the product vacated and the damaged glass replaced by a professional installer immediately.

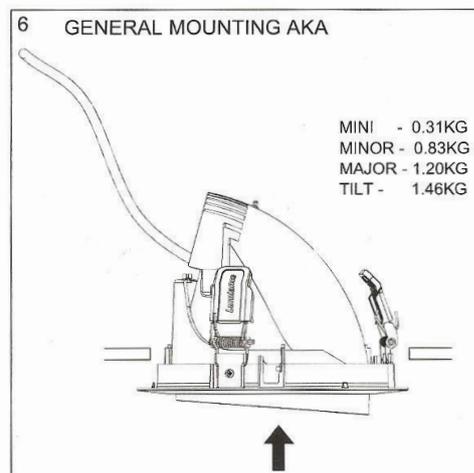
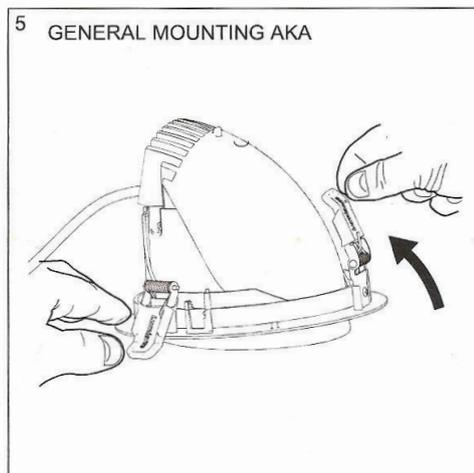
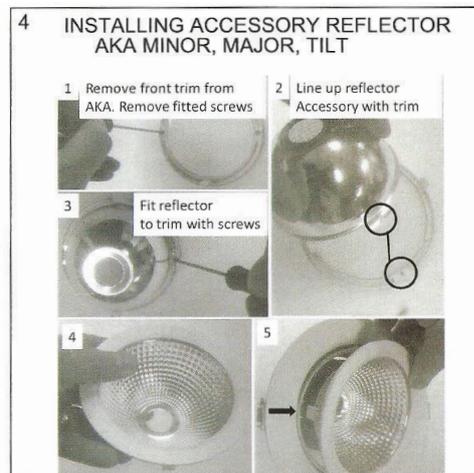
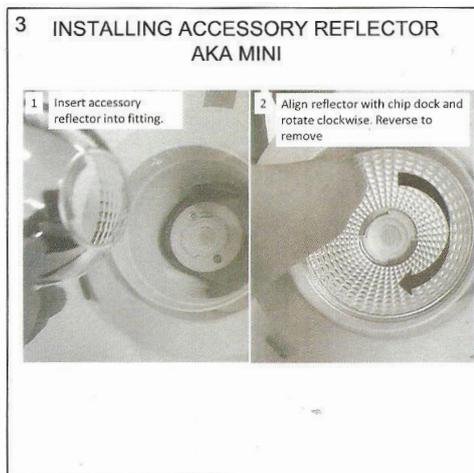
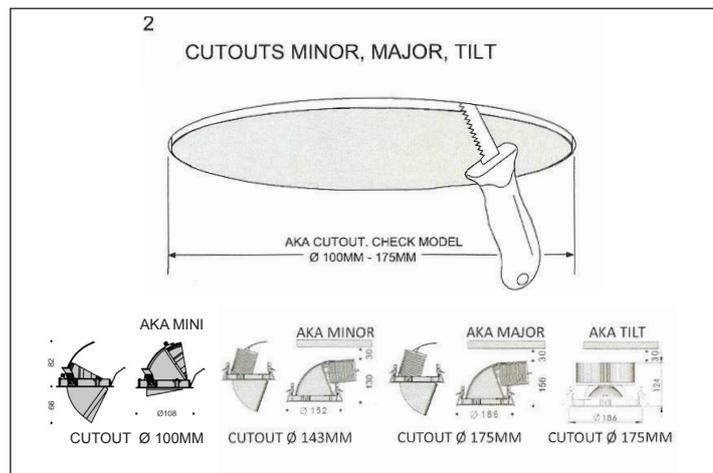
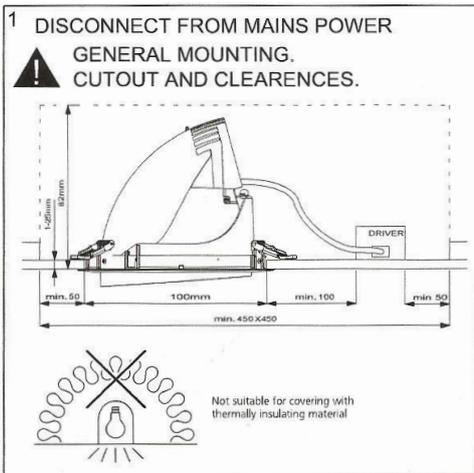
8. WARRANTY INSTRUCTIONS: For the purpose of warranty claims (if any) the following instructions apply:

Warranty components – THE PRODUCT, (identified as the THE PRODUCT only). **Warranty period** – The above components are provided with a warranty of ONE (1) year/s or WARRANTED hours of operation (which ever arrives first) against manufacturing defects or failure to perform to specifications for products installed by an authorised installer in accordance with the manufacturer's installation instructions and which have not been subject to incorrect operation or maintenance, unauthorised modification or damage arising from any intervening cause. **Warranty reference** – The warranty reference date commences from the date of purchase. **Warranty point of contact** – Gerard Lighting Pty Ltd, 96 Gow Street Padstow NSW 2211, phone T 02 9794 9300 contact – Gerard Lighting After Sales Support.

Warranty claim procedure – For the purpose of making a claim the customer must:

1. Contact the "point of contact" above and upon provision of proof of purchase the customer will receive a goods return advice (GRA) number. 2. At the customer's expense, collect and return the goods to the "point of contact" with the issued GRA number.

3. Upon receipt of the goods, Gerard Lighting will review the claim and if found to be accepted, Gerard Lighting will return a replacement product to the customer to install at the customer's expense. Alternatively if the claim is rejected, the customer may request the return of the goods at their expense. **Consumer Contracts** - The benefits to the customer given by the Gerard Lighting warranty are in addition to other rights and remedies of the customer if the goods are the subject of a Consumer Contract under the Australian Consumer Law. In that event the following statement is required to be brought to the Consumer's attention:- *Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.* **Limitation of Liability** - if the goods are not purchased by the customer under a Consumer Contract within the Australian Consumer Law then but not otherwise;- (a) the Company is not liable in tort for any loss or damage suffered by the customer or by any third party; and (b) in no circumstances is Gerard Lighting liable to the customer or to any third party for any loss of profits, loss of anticipated savings, economic loss or interruption of business or for any indirect or consequential loss (Consequential Loss). **Terms of Sale** - these Warranty provisions are in substitution for any inconsistent provisions in the Gerard Lighting Terms and Conditions of Sale in so far as they apply to the Warranty components.



AKA MINI : AKA MINOR : AKA MAJOR : AKA TILT

AKA MINI	DESCRIPTION	COLOUR	WATTAGE	CODE 3000K	CODE 4000K
	AKA Mini 108mm Ø	White	15W	AK108331	AK108431
	cut out Ø100 mm	Black		AK108332	AK108432
		Silver		AK108333	AK108433

AKA MINOR	DESCRIPTION	COLOUR	WATTAGE	CODE 3000K	CODE 4000K
	AKA Minor 152mm Ø	White	30W	AK152371	AK152471
	cut out Ø143 mm	Black		AK152372	AK152472
		Silver		AK152373	AK152473

AKA MAJOR	DESCRIPTION	COLOUR	WATTAGE	CODE 3000K	CODE 4000K
	AKA Major 186mm Ø	White	54W	AK186371	AK186471
	cut out Ø175 mm	Black		AK186372	AK186472
		Silver		AK186373	AK186473

AKA TILT	DESCRIPTION	COLOUR	WATTAGE	CODE 3000K	CODE 4000K
	AKA Tilt 186mm Ø	White	67W	AT1863171	AT1864171
	cut out Ø175 mm	Black		AT1863172	AT1864172
		Silver		AT1863173	AT1864173

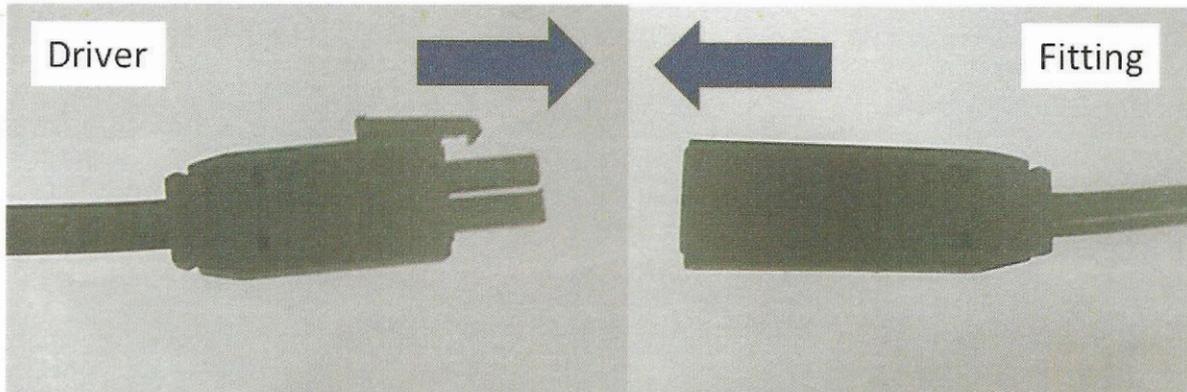
DRIVER CONNECTIONS



NOTE: ONLY DRIVERS APPROVED AND SUPPLIED AS LISTED BY CONCORD ARE ACCEPTED SUITABLE FOR AKA.

ALL DRIVERS MUST BE CONNECTED USING SUPPLIED CABLE AND CONNECTORS. INSTALLATION MUST BE IN ACCORDANCE WITH THE SUPPLIED INSTRUCTION AND INSTALLATION SHEET.

SEE DRIVER LIST FOR OPTIONS AND RUN CURRENT SETTINGS.



Series	Trim	Colour temp	mA	Lumens - exit	Wattage	Standard	1-10V	DALI	Distribution	
 AKA Mini 	White AK108331	3000K	250	507	10	DAD20F01	DAD20V035001	DAD20D01	20° AK108RN20 40° AK108RM40 60° AK108RW60	AKA Mini Default Factory Setting
	White AK108431	4000K	250	538	10	DAD20F01	DAD20V035001	DAD20D01		
	White AK108331	3000K	350	685	15	DAD20F01	DAD20V035001	DAD20D01		
	White AK108431	4000K	350	730	15	DAD20F01	DAD20V035001	DAD20D01		
 AKA Minor 	White AK152371	3000K	550	1390	25	DAD32F01	DAD32V07001	DAD32D01	20° AK152RN20 40° AK152RM40 60° AK152RW60	AKA Minor Default Factory Setting
	White AK152471	4000K	550	1509	25	DAD32F01	DAD32V07001	DAD32D01		
	White AK152371	3000K	700	1673	30	DAD32F01	DAD32V07001	DAD32D01		
	White AK152471	4000K	700	1801	30	DAD32F01	DAD32V07001	DAD32D01		
 AKA Major 	White AK1863141	3000K	900	2499	35	DAT65F14001	DAM60V14001	DAT55D14001	20° AK186RN20 40° AK186RM40 60° AK186RW60	AKA Major Default Factory Setting
	White AK1864141	4000K	900	2674	35	DAT65F14001	DAM60V14001	DAT55D14001		
	White AK1863141	3000K	1200	3133	45	DAT65F14001	DAM60V14001	DAT55D14001		
	White AK1864141	4000K	1200	3341	45	DAT65F14001	DAM60V14001	DAT55D14001		
	White AK1863141	3000K	1400	3489	54	DAT65F14001	DAM60V14001	DAT55D14001		
	White AK1864141	4000K	1400	3718	54	DAT65F14001	DAM60V14001	DAT55D14001		
 AKA Tilt 	WHITE AT1863171	3000K	1200	4068	45	DAT1HF17501	N/A	DAT1HD17501	40° AT186RM40 60° AT186RW60	AKA Tilt Default Factory Setting
	WHITE AT1864171	4000K	1200	4677	45	DAT1HF17501	N/A	DAT1HD17501		
	WHITE AT1863171	3000K	1400	4640	50	DAT1HF17501	N/A	DAT1HD17501		
	WHITE AT1864171	4000K	1400	5335	50	DAT1HF17501	N/A	DAT1HD17501		
	WHITE AT1863171	3000K	1750	5446	65	DAT1HF17501	N/A	DAT1HD17501		
	WHITE AT1864171	4000K	1750	5812	65	DAT1HF17501	N/A	DAT1HD17501		