

IMPORTANT: IN THE INTEREST OF PRODUCT PERFORMANCE AND SAFETY PLEASE READ THESE INSTALLATION AND WARRANTY INSTRUCTIONS BEFORE INSTALLING THE PRODUCT.




SAL products are designed in accordance with all mandatory International and AS/NZS Standards, which require installation in accordance with AS/NZS3000 by a qualified installer and regular cleaning and maintenance of the equipment. Products are sold in accordance with the following instructions and SAL standard terms and conditions of sale, available via www.sal.net.au.

Due to continued product and information updates, product data sourced from sal.net.au shall not form part of any contract and or technical performance guarantee unless expressly confirmed in writing by SAL at the time of order.

UFO III SHB27S LED HIGHBAY electrical and installation specification effective 3/6/2024.

Model No.	Input (V)/(Hz)	Power (W)	Lumens (lm)	Line Current (A)	CCT (K)	CRI	Fitting Colour	Mass (N.W. kg)	Dimension D x H (mm)	Max. LED Driver No. on MCB C type 16A
SHB27S100NDL	220-240/50	100	15000	0.43	5000	> 80	Black	1.5	Ø260 x 129	18
SHB27S150NDL	220-240/50	150	22500	0.65	5000	> 80	Black	1.8	Ø289 x 129	15
SHB27S200NDL	220-240/50	200	30000	0.85	5000	> 80	Black	2.4	Ø328 x 129	11

Electrical class	CLASS I / FELV 1-10V	Beam Angle	90°
Power factor	> 0.95	Earth Leakage current	< 0.7 mA
Operating ambient min/max (°C)	-20 to 40	Storage ambient limit (°C)	0 to 60
Operating humidity	10% to 85% RH, NC	Storage humidity	10% to 85% RH, NC
Reported TM - 21, L ₉₀ @ 85 °C (hrs)	> 57,000	Reported TM-21, 85 °C, L ₉₀ (hrs)	> 102,000
Aiming restrictions (if any)	N/A	Product application	Interior commercial and industrial spaces 
IK rating (if relevant)	IK08	Product installation orientation	Suspension mount
CCT (K) switch control (TC)	No	Dimmable	1-10V FELV TERMINATION
Insulation cover rating (if any)	N/A	PIXIE connectivity	yes - switch only, refer PIXIE switch loads
IP rating	IP66	Attachment type	Y
Light source replacement	Non-user replaceable light sources (see clause 8)		
IP rating for interior products: The designated IP rating is "from below the ceiling" unless otherwise specified.			
IP rating ALL products; Termination of the product must be made in accordance with the IP rating.			
Earth Leakage current: Is calculated in accordance with AS/NZ 60598.1.2017/Amdt 1:2017.			

General product application requirements (if applicable) :

- CCT or POWER selections (where supplied)** – IMPORTANT, where CCT colour temperature or POWER selection switching is provided, it is important to switch OFF the power before the selection is made, otherwise equipment damage may occur.
- Recycling** – SAL encourages recycling, please consider the environment when disposing of packaging, batteries & components.
- Switching or test intervals** – For optimum product performance, good design practice does not encourage 24/7 operation of lighting products without the provision of a routine switching or regulatory test cycle. As a guide for continual operation installations, a twelve (12) hour duration for Industrial and Commercial applications and a six (6) hour duration for Residential applications should be considered.
- Product maintenance** – In line with the relevant design standards and to protect your investment, it is important to have in place a routine cleaning program that reflects the installation environment and maintains the product in a clean and functional condition.
IMPORTANT - The supply must be isolated before any product maintenance or cleaning is conducted. In addition, damage to ANY cable or cord supplied with the product must be addressed as follows; For attachment type X having a specially prepared cable, if the external flexible cable is damaged, it must be replaced by an equivalent cable exclusively available from the manufacturer or authorised installer. For attachment type Y, if the external flexible cable is damaged, it must be exclusively replaced by an equivalent cable by the manufacturer or authorised installer. For attachment type Z, if the external flexible cable is damaged, the cable cannot be replaced and the luminaire must be destroyed.
- Adverse, corrosive and coastal installation environments** – Unless the product is specifically designated for such applications in these installation instructions, which is supported by a professional maintenance program; installation of equipment in such environments is not recommended.
- Dimming products** – Dimming circuits and product compatibility must be validated by the installer before installation; SAL cannot be responsible for third party changes in dimmer compatibility.
- Suspended products** – For installation safety, any suspended products must NOT be installed in high air movement spaces or locations subject to impact.
- Light source replacements** – (Non-replaceable light sources) - The light source of the product is deemed not replaceable, when the product reaches its end life, it must be replaced by a qualified installer. (Non-user replaceable light sources) - The light source of the product must only be replaced by the manufacturer or qualified installer.
- Interior downlights and sensors with remote drivers and electrical accessories** – 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. Drivers are not designed for installation environments that restrict conventional airflow.
- Ripple injection, induced flicker (QLD & NSW regions)** – Installations subject to off-peak ripple induced flicker, (which are beyond the manufactures control), should strongly consider the use of circuit filtering products, or for interior downlight installations, the use of products designed to block the signal interferences, such as the SAL SFI series.



11. **Floodlight products** – Unless nominated aiming restrictions or installation parameters apply, products are designed for installation environments between ground and 15 metres in height, subject to the desired optical performance being achieved. For floodlight installation environments that have restricted access (eg: columns and roof-lines) which are subject to unstable electrical supply or electrical surges (which void warranty), consideration of the installation of an independent surge protector is strongly recommended.

12. **Specific installation procedures** (if any) - this device must be installed by a licensed electrician. Optional sensor SHB2X/CS and remote control SHBXS/RC to order.

User LCD Screen Display

	100%	Detection Area
	1m	Holdtime
	50%	Standby Dim Level
	00S	Standby Period
	200lux	Daylight Threshold
	100%	Brightness

	2700k	CCT Selected
AM		AM means "Auto Mode", AM not showing means "manually control mode"
DH_{OFF}		Daylight Harvesting enabled or disabled
S M		"Start" or "Memory" scene parameters
SK-02		Reserved area for the future
HP		Mounting Height

Briefing of Button Functions

Buttons	Function	Function Performance
	ON/OFF	Turn ON or OFF light and keep the sensor in ON/OFF mode.
	Auto	Enter into SENSOR MODE and perform the last time setting.
	Reset	Go back to default program; Enter into SENSOR MODE and perform the default program.
Function Programming Buttons ▼		
	Scenes	Selects favorite scenes (Detection area, holdtime, daylight threshold, standby dim level and standby period).
	Start	Press this button to start programming, S icon on LCD screen display started to blink; after programming press MEMORY button, S icon then remains ON.
	Memory	Press this button to memorize program and saved it into SCENEs; after pressing it, M icon's bright then off after 3S.
	Apply	Press this button to send the program(detection area, holdtime, daylight threshold, standby dim level and standby period) and sensor works in SENSOR mode.
	Mounting Height	Adjust detection area/sensitivity levels according to installation parameters.
	Send	Memorize and send out the last time setting of individual parameters(detection area, holdtime, standby dim level, standby period, daylight threshold, power, CCT, Daylight Harvesting, ON/OFF, Auto, Reset, Mounting Height, test)
	Detection Area	Adjust from detection area options 25%, 50%, 75% and 100%.
	Daylight Threshold	Adjust from daylight threshold options, there are "--"(disable), 2lux, 10lux, 30lux,50lux, 80lux, 120lux, 200lux, 250lux, 300lux, 350lux, 400lux, LEN(daylight learning).
	Standby Dim Level	Adjust from standby dim levels, 10%, 20%, 30% and 50%.
	Holdtime	Adjust from holdtime options: 5S, 30S, 1min, 3min, 5min, 10min, 20min and 30min.
	Standby Period	Adjust from Standby Period options, 0S, 10S, 30S, 1min, 5min, 10min, 30min, 60min and "--" as infinite.
	CCT Selectable	(To work with CCT supported sensors)Adjust from CCT options, 2700K, 3500K, 4000K, 5000K, 5700K, 6500K.
	Brightness Adjustable	Adjust brightness in both ON/OFF mode & SENSOR mode, minimum 10%, max 100%, each pressing makes 5% change.
	Reserved Button	N/A
	Daylight Harvesting	Daylight harvesting function enabled or disabled.
	Test Button	Quick testing button for only 2S ON then OFF.
	+	Choose higher parameters. Tips: 1. Press POWER button then keep pressing + button get you directly to 100%
	-	Choose lower parameters. Tips: 1. Press POWER button then keep pressing - button get you directly to 10%

13. **Warranty** – In accordance with SAL's standard terms and conditions of sale, SAL warrant this product to be free from defects in materials and or workmanship for a period as stated below for goods not subject to incorrect installation, maintenance, operation, mishandling, environmental, unauthorised modifications or electrical operating conditions outside the nominated product specification as detailed in these installation instructions.

The benefits to you given by this warranty are in addition to other rights and remedies you have under law. 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 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.

Warranty term – Residential usage (N/A) months, Commercial usage (36) months, Replaceable Lamps (where supplied) (12) months and Lithium batteries where supplied (24) months from date of purchase. For New Zealand, please refer to www.sal.co.nz for warranty conditions and service.

How to make a claim?

Step # 1 – Within 30 days of the fault discovery, please contact the original place of the SAL product purchase during standard (local) business hours, with the following information **(a)** proof of purchase **(b)** description and quantity of the claimed fault **(c)** address of installation. **(d)** operating hours of the product.

Step # 2 – It is then the responsibility of the original place of product purchase to report the matter to SAL after sales;

NSW ACT	- SAL National Pty Ltd, 40 Biloela Street Villawood NSW 2163	P # 02 9723 3099
QLD	- SAL National Pty Ltd, 36 Whitelaw Place Richlands QLD 4077	P # 07 3879 5999
VICT TAS	- SAL National Pty Ltd, 46-48 Keys Road Moorabbin Victoria 3189	P # 03 9532 3168
SA NT	- SAL National Pty Ltd, Unit 1, 9 Alfred Avenue, Beverley SA 5009	P # 08 7084 1958
WA	- SAL National Pty Ltd, 29 Beringarra Av Malaga WA 6090	P # 08 9248 7458
NZ	- Hamer, 130 Bush Road, Albany, Auckland, 0632	P # 0800 239 239

Step # 3 - Upon review of your claim and if the product is required to be returned to SAL for technical evaluation, then at the owners expense the product must be returned to SAL as per the above nominated locations.

Step # 4 - Pending the evaluation, the claim will be validated resulting in the product being repaired or replaced with the same or best equivalent product at the discretion of SAL, or rejected if the product fault was found to be caused by conditions beyond the responsibility of SAL warranty obligations. Consideration of installation, product removal, return freight and or testing fees are not the responsibility of SAL.

