

NuVo PI[®] by 300K[®] Lighting Solutions

NuVo Range INTRODUCTION

300K Lighting Solutions has successfully combined the energy efficiencies of LED technology with the safety and cost improvements of their award winning connex range. This, together with some unique features enable the NuVo range to be the most resource efficient industrial lighting solution available today.

The patented connex base allows lighting to be removed/replaced for any routine task (e.g. cleaning) without the need for isolation in a matter of minutes. Utilising a system of maintaining a stock of rotatable spares can enable the change-over to be completed immediately, which removes a potential safety hazard without affecting your scheduled work compliance.

NuVo PI FEATURES

Superior Performance Materials

The NuVo lens is made from a polymer much more durable than your standard poly carbonate typically found in other fittings; while it is a more expensive option it was deemed the only one tough enough for use in the NuVo range.

It is highly resistant to the effect of "etching" which results in lens discolouration.

Protection from the Environment

All aluminium components are coated with either a 2 pack epoxy coating or powder coating depending on the model; this gives durable protection to ensure years of service which is absolutely essential given the long life of the other components.

Options available

The two options available for base construction is either a Nylon 6 glass filled suitable for general duty use or a cast 316 Grade Stainless Steel base suitable for more heavy duty applications (Note: only stainless can be selected if opting for the die-cast body option).

Pictured: NuVo PI Luminaire — P/N CTF10-STD-GP-STD-STD

By removing the skill required to complete the changeover it can be performed by any competent personnel therefore allowing the actual repair work to be scheduled in and carried out at a later date.



Truly "Game Changing" features and functions

The NuVo PI incorporates a range of game changing features, these have been enabled by the development of the most technological advanced LED fitting available on the market today.

The NuVo PI is based on our established standard NuVo range but have been fitted with a range of sensors to enable the 32 bit processor to manage/monitor/report not only all on-board functions but also monitor/report on its surrounding environment.

Being able to monitor and report wirelessly any issues which will compromise the safe and efficient operation of the fitting including but not limited too containment build up on the lens, removes the need for the traditional periodical time based inspection strategies and enables the implementation of condition based strategies.

The level of integration and the way in which the information is presented to your personnel is fully user configurable. For further information visit <http://www.300k.com.au/nuvo.html>, this page contains a number of videos outlining additional functions and a link to our fully interactive demonstration unit (best viewed in anything except IE).

Durability

Only 316 grade stainless steel fasteners are used in the construction (both internally and externally) of the entire NuVo range. This reflects our drive to deliver the best product possible by utilising the best components available.

For industrial applications click on this link: <http://www.youtube.com/watch?v=PW8R06XabXA>

For utilities applications click on this link: <http://www.youtube.com/watch?v=QQps0o7WVEQ>

The NuVo range of fittings is suitable for organisations looking at achieving significant cost savings while also being able to improve safety at the same time.

For further information on how the NuVo range can improve safety while saving time and money please contact us at sales@300k.com.au

[300k.com.au](http://www.300k.com.au)

Specifications	
Name	NuVo PI LED Luminaire Fitting
Part Number	CTLF10-XXX-XXX-XXX-XXX
Product Description	NuVo Poletop Infrastructure LED Luminaire
Certification	AS/NZS 60598.2.1 including AS/NZS 60598.1
Power (W)	35W
Input Voltage	100 - 240 VAC
Rated Frequency	50 - 60 Hz
IP Rating	IP66
LED Current (Constant Current)	0mA- 350mA max
Number of LEDs	30
Colour	Cool White
Colour Temp (CCT)	5000K
Luminous Output (lm)	150 l/W
LED Life Span	50,000 + hours
Maximum Ambient Temperature (°C)	55 +
Minimum Ambient Temperature (°C)	-40
Dimmable	Yes
Warranty	3 year standard full replacement guarantee. 5 year extended warranty available. 10 year L70 output guarantee.
Standard Sensors	
Barometer	
Range	50 – 115kPa
Resolution	0.15kPa
Accuracy (-20°C to 85°C)	+/- 1kPa
Operating Temperature	-40°C to +85°C
Accelerometer	
Sensitivity	2g, 4g, 8g
Motion Recognition Levels	Shock, Vibration
Bandwidth	125Hz
Maximum Shock	5000g
Operating Temperature	-40°C to +85°C
Ambient	
Range	-55°C to +125°C
Accuracy	+/- 0.5°C
Optical Sensors	
Ambient Light Sensor	Detects background light/sunlight levels
LED Management Sensor(s)	Detects faulty LED chips
LENS Management Sensor(s)	Detects dirty LENS
Wireless Communications	
Frequency	2.4GHz
Protocol/configuration	Zigbee based mesh network
Range (line-of-site)	100m
Construction Material	
Body Construction (Moulded/Die-cast)	Nylon 6 with 10% glass / Aluminium alloy AL360
Heat sink / Fascia	Aluminium Alloy AL360
Protective coating	Powder coating
Main Lens Material	Polyamide (Grimalid TR90UV)
Sacrificial Lens Material	Polyamide (Grimalid TR90UV)
External Fasteners	316 Stainless steel
Internal Fasteners	316 Stainless steel
Dimensions	
Product Weight (kg)	6
Packing Dimensions (L x W x H) (cm)	71 x 26 x 17
Pieces per Box	1 piece
Gross Weight (kg)	6.5
Net Weight (kg)	6

Model	Coupling	Body Construction	Array	Base Construction
CTLF10	STD	GP AL SS	STD MF	STD SS LE
Key	STD —Standard contact coupling	GP —Glass filled Nylon body AL —Aluminium die-cast body SS —Stainless Steel (available on special request). Stainless Steel heat sink also available on request subject to MOQ	STD —Standard Cool white array MF —Marine friendly long wave length amber LED chips	STD —Glass filled nylon base SS —Cast 316 grade stainless steel base LE —Less the base

All specifications are subject to change without notice