

NuVo[®] GP 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.

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.



NuVo GP 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).



Superior Array Design

In contrast to the common technique of utilising a large single LED array, the NuVo features a distributed array configuration. This enables better heat dissipation which is important when operating at ambient temperatures encountered on Australian mine sites.

In addition current levels are kept low to ensure longevity of the array, as an increase in the current applied to the chips has the effect of reducing the ambient temperature at which degradation of the chip begins.

An amber version of the array is available which is suitable for installation close to and around marine environments typically found at places such as ship loading ports etc...

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.

Pictured: NuVo GP Luminaire — P/N CTLF03-STD-GP-STD-STD

Click on the link below to watch a short video on the NuVo range

http://www.youtube.com/watch?v=1Q6jF_-N79M

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

Specifications	
Name	NuVo GP LED Luminaire Fitting
Part Number	CTLF03-XXX-XXX-XXX-XXX
Product Description	General purpose LED Luminaire
Certification	AS/NZS 60598.2.1 including AS/NZS 60598.1
Power (W)	35W / 50W / 70W
Input Voltage	100 - 240 VAC
Rated Frequency	50 - 60 Hz
IP Rating	IP66
LED Current (Constant Current)	350mA / 480mA / 670mA
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	No
Warranty	3 year standard full replacement guarantee. 5 year extended warranty available. 10 year L70 output guarantee.
Construction Material	
Body Construction (Moulded/Die-cast)	Nylon 6 with 10% glass / Aluminium alloy AL360
Heat sink / Fascia	Aluminium Alloy AL360
Protective coating	2-Part Epoxy 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
CTLF03	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