

LINUX PRO

MODEL NUMBER

LINUX PRO

SPECIFICATIONS

HOUSING : LM 6 die cast aluminium.

LIGHT SOURCE : The fitting is designed to operate a range of LED's up to 104W.

LUMEN MAINTENANCE : At an ambient temperature of 25° C, the lumen maintenance is > 90% at 87 000 hours and > 80% at 102 000 hours.

DIFFUSER : 4mm tempered glass.

LENSES : Modular optical lenses are used. Material PMMA. Various lens options available for different applications, allowing for custom solutions.

FINISH : Fitting is supplied as raw aluminium. Powder coating can be supplied on request.

MOUNTING : Ceiling or wall mounted. Anti-vibration mounting, eyebolt suspension mounting or spigot mounting available on request.

ACCESSORIES : Wire Guard - 2mm stainless steel.

CONTROL GEAR : The electronic power supply is suitable for operation with a 220 - 240 volts. 50 hertz single phase.

Incorporating an electronic trip connector protector with surge protection 6 KV. Additional replaceable inline surge arrester 10 KV.

FASTENERS : All external screws are stainless steel. Heli-coils are inserted to eliminate electronic reaction between stainless steel and aluminium castings in areas that require maintenance. Cable glands are SABS approved to insulate IP67 ingress protection.

GASKET : Gaskets are manufactured from silicone closed cell gasket. Silicone gaskets perform in a wide temperature range -40° C to +200° C.

INGRESS PROTECTION : IP 66.

OPERATING TEMPERATURE : (Ta) - 20° C to +40° C.

WEIGHT : 6.8 Kg total including control gear.

ADDITIONAL OPTIONAL FEATURES :

DIMMING : DALI Tech, Integrated microwave sensor or StepDIM available on request.

EMERGENCY : available on request.

FEATURES : The body incorporates two aluminium LM6 mounting lugs and one M20 threaded gland entry.

It is fitted with four stainless steel Grade 304 latches with hinge facility.

The LM6 aluminium frame retains the diffuser with hinge and wire guard fixing mechanism.

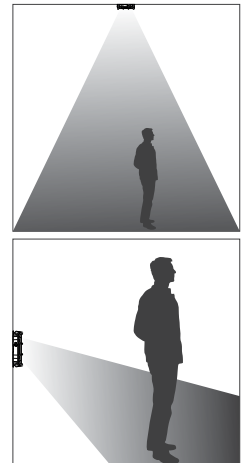
Permanently sealed and supplied with a 0.5m long silicone cabtyre.



APPLICATION AREAS

Indoor or outdoor application.
Symmetrical or asymmetrical distribution.

Industrial lighting
Security lighting
Tunnel lighting
Facade lighting
Railyard lighting
Hazardous area lighting



COLOURS

 Natural Aluminium (N)

 Black (B)

 White (W)

 Matt Silver (M)

 Charcoal Grey (C)

LIGHT SOURCE

LED Samsung 3030 LM301D CRI 80

LOW VOLTAGE

No. LED's		64 LED's			128 LED's		
LED CURRENT (mA)	COLOUR TEMP (K)	SYSTEM WATTAGE (W)	NOMINAL WATTAGE (W)	NOMINAL FLUX (lm)	SYSTEM WATTAGE (W)	NOMINAL WATTAGE (W)	NOMINAL FLUX (lm)
700mA	4000K	37W	33.1W	5929 lm	74W	66W	11858 lm
1050mA		56W	49.6W	8893 lm	104W	99W	17786 lm

HIGH VOLTAGE

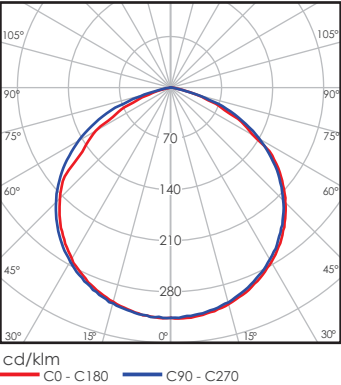
No. LED's		64 LED's			128 LED's		
LED CURRENT (mA)	COLOUR TEMP (K)	SYSTEM WATTAGE (W)	NOMINAL WATTAGE (W)	NOMINAL FLUX (lm)	SYSTEM WATTAGE (W)	NOMINAL WATTAGE (W)	NOMINAL FLUX (lm)
350mA	4000K	37W	33.1W	5929 lm	74W	66W	11858 lm
500mA		56W	49.6W	8893 lm	104W	99W	17786 lm

The nominal flux of the LED is based on the LED manufacturers data at 25° C.
The environmental conditions of the installation will impact the efficiency of the LED's.
Due to the continual advancement in LED technology the type of LED is subject to change.

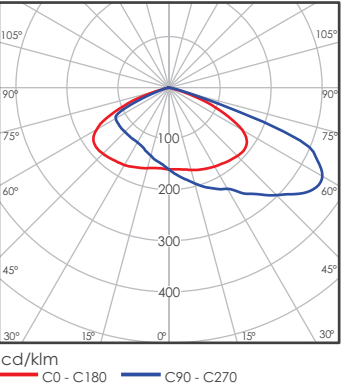
LIGHT DISTRIBUTION

Suggested LED lens options. Various lens options available for different applications, allowing for custom solutions.

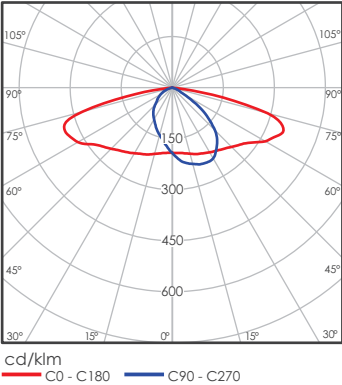
56W LED 112°



56W DKP65LES



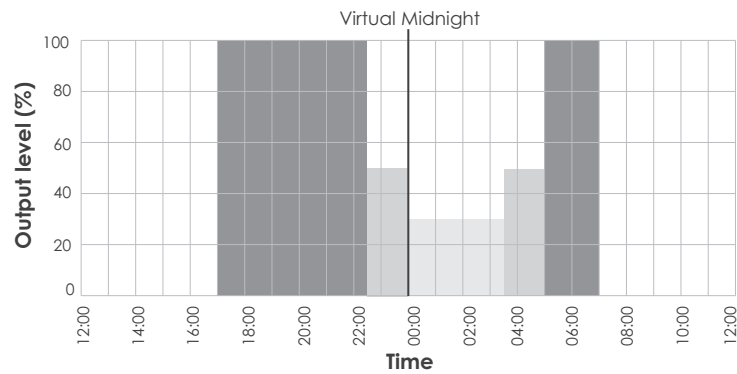
56W DK162X79



ADDITIONAL OPTIONAL FEATURES

StepDIM

5 dimming profiles that can be adjusted to any value between 0 and 100% Light level.



EMERGENCY OPTIONAL FEATURE

WATTAGE	NUMBER OF LED's	DRIVER VF	DRIVER IF	DURATION	BACKUP LIGHT OUTPUT	INTEGRATION
37W	64	48Vdc	700mA	1 hr	20%	Internal
56W	64	48Vdc	1050mA	1hr	20%	Internal
74W	128	96Vdc	700mA	1 hr	20%	Emergency Gear Box
104W	128	96Vdc	1050mA	1hr	20%	Emergency Gear Box

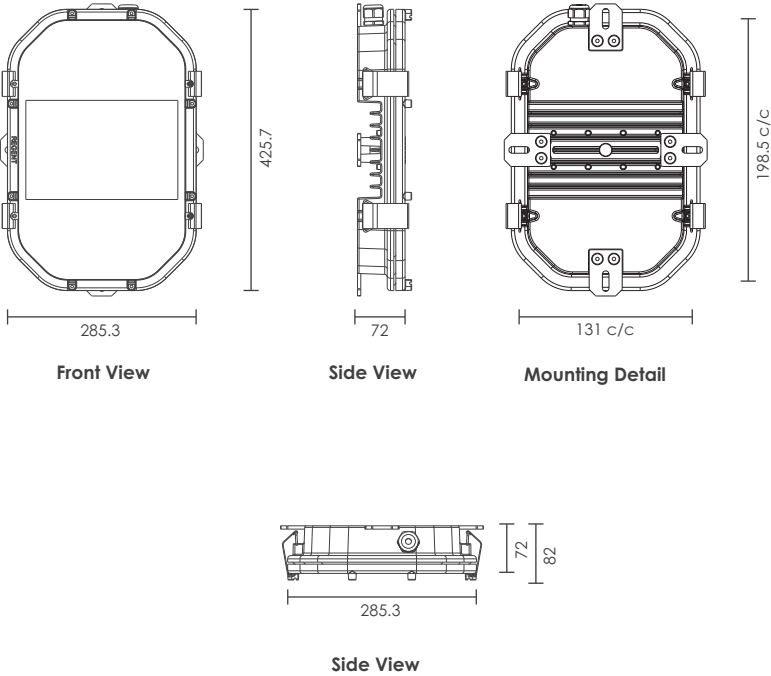


Linux Emergency Gear Box

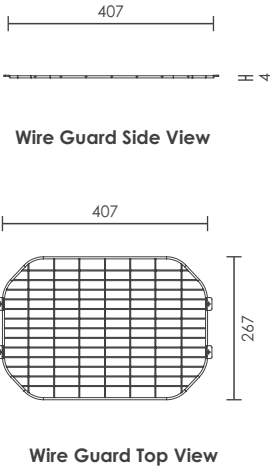
EXPLODED VIEW



DIMENSIONS IN MM



ACCESSORIES



Ceiling Mounted



Wire Guard