



# 975 Series

## 24V DC LED FLOOR LIGHT



Long Life Reliability  
does not cost the earth

LPA-EXCIL ELECTRONICS



### Feature Summary

- High reliability lighting grade chip LED technology.
- LED life expectancy greater than 85,000hrs to 70% of initial light output.
- Zero maintenance costs.
- Direct connection to vehicle 24V DC systems.
- MTBF = 1,250,000 hrs \*

### Product Codes

975 Product Range Standard Features	
Input Voltage Range	16-32Vdc
Input Connectors	2 way Deutsch DT
Product	Product Code #
1200mm LED Floor Light	975100

\* MTBF calculated using US MIL-217F GM standard @ 40°C

## Input Specification

<b>Acceptable Input Supply Voltage Range</b>	16-32VDC
<b>Input Voltage Limit Without Damage</b>	32VDC
<b>Input Current @ 16VDC</b>	60mA
<b>Input Power @ 16VDC</b>	1W
<b>Input Current @ 24VDC</b>	140mA
<b>Input Power @ 24VDC</b>	3.5W
<b>Input Current @ 32VDC</b>	240mA
<b>Input Power @ 32VDC</b>	7.7W

## Output Specification

LED Colour Classification	Colour Temperature Range	LED Manufacturer	Intensity Bin	Source Luminous Flux lm/W	Total Source Luminous Flux lm
Cool White	5600k-6000k	Seoul Semiconductor	T0	97	174

## Environmental Specification

<b>Operating Temperature Range</b>	-40 to 55	°C
<b>Weight</b>	620	g
<b>Lumen Maintenance (LED Life to 70% of the initial light output)</b>	>85,000	Hrs
<b>MTBF Ground Mobile 40°C</b>	Complete Unit	1,250,000 Hrs

## Safety Specification

975 Series LED Floor Lights come equipped with the following protection circuitry as standard:

- DC input voltage reversal (Non destructive) for supply line.
- The failure of one LED circuit will not effect the operation of the remaining LED circuits.

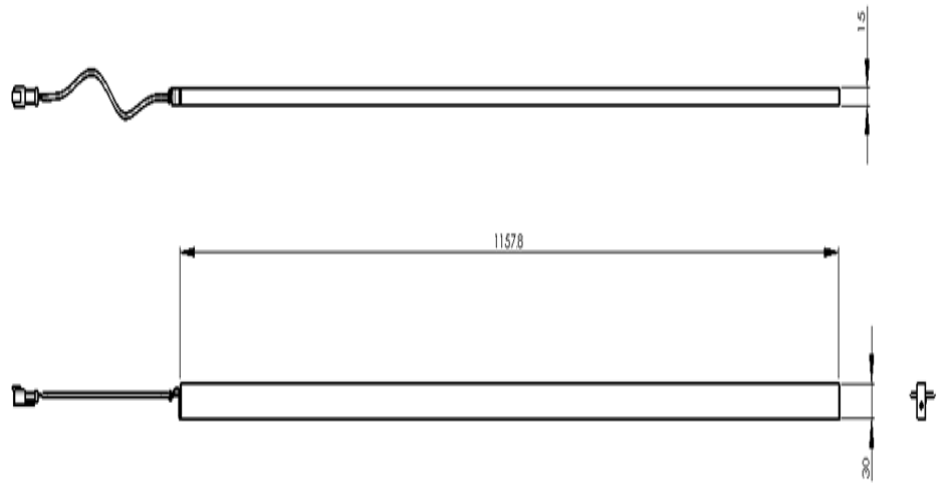


## Connection Details

2 Way Deutsch DT Receptacle (Product)	
Pin 1	24VDC
Pin 2	0V

Vehicle Interface connector - 2 Way Deutsch DT Plug	
2 Way Plug	DT06-2S-EP06 (Black)
Wedge Lock	W2S-P012 (Green)
Crimp Socket	0462-201-16141 (Wire size 0.5mm - 1.0mm) 0462-209-16141 (Wire size 1.0mm - 2.0mm)
Crimp Tool Required	HDT-48-00 (Hand Tool - Solid Crimp Type)

## Mechanical Specification



LPA-Excil makes every effort to ensure the accuracy of the information contained within this datasheet. However we reserve the right to withdraw and re-issue this datasheet at a later date.



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