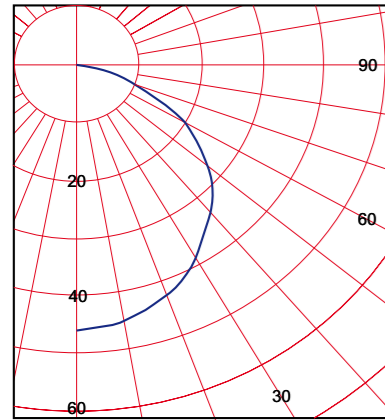


Photometric results: PLH420-CW

LEGEND: C45 (cd)



Intensity Data (cd)

Gamma	C-Plane C45	Output Lumens
0	46.2	
5	46	4.4
10	45.4	
15	44.3	12.5
20	42.8	
25	41	18.9
30	38.9	
35	36.3	22.7
40	33.5	
45	30.3	23.4
50	27	
55	23.4	20.9
60	19.7	
65	15.8	15.6
70	11.8	
75	8	8.4
80	4.4	
85	1.4	1.8
90	0.1	

Zonal Lumens and Percentages

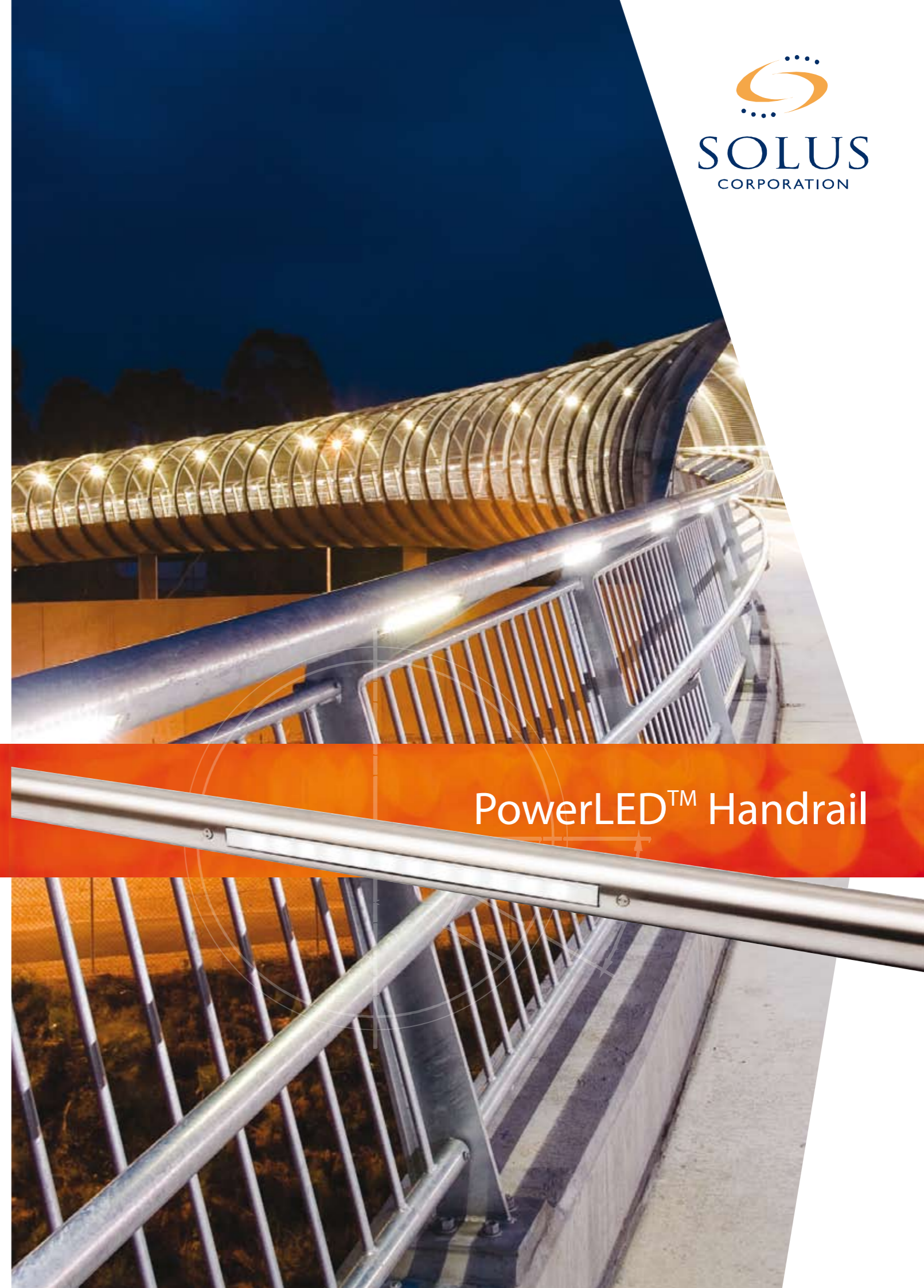
Zone	Lumens	%Lamp	%Luminaire
0-30	36.7	NA	26.5
0-40	60.4	NA	43.6
0-60	107.7	NA	77.9
0-90	138.1	NA	99.8
40-90	77.7	NA	56.2
60-90	30.4	NA	21.9
90-180	0.3	NA	0.2
0-180	138.3	NA	100

Light Output Ratio = NA

Minimum and Maximum Ratings

Colour	Operating Temperature at Ambient (Deg C)*	Storage Temperature (Deg C)*	Voltage (V dc)*
White 5500k	-30 ... +30	-40 ... +85	24
White 3300k	-30 ... +30	-40 ... +85	24

* Exceeding maximum ratings for operations and storage temperature will reduce expected life time or destroy the LED module. Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.



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PowerLED™ Handrail

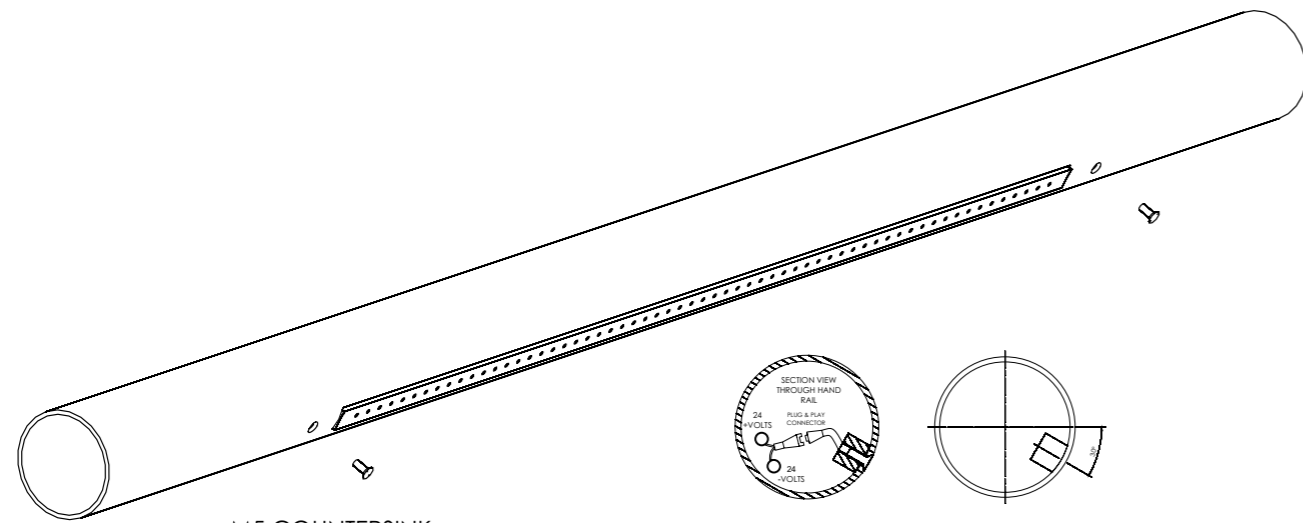
PowerLED™ Handrail

DISTRIBUTED BY

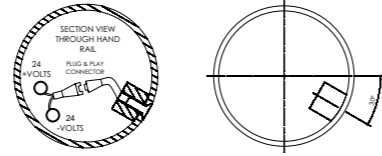
Safety Information

- The LED module itself and all its components may not be mechanically stressed.
- Installation must not damage or destroy conductors on the fixture.
- The LED module incorporates no protection against short circuits, overload or overheating. Therefore it is absolutely necessary to operate the modules with a electronically stabilised power supply offering protection against the above mentioned safety risks ie Solus supplied 24 volt DC transformer.
- Installation of LED modules and power supplies needs to be made with regard to all applicable electrical and safety standards.
- Correct electrical polarity needs to be observed.
- Parallel connection is the electrical operation mode. Unbalanced voltage drop can cause hazardous overload and damage the LED module.
- Please ensure that the power supply is of adequate power to operate the total load.

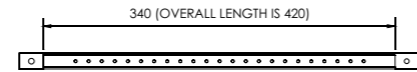
PowerLED™ Handrail



M5 COUNTERSINK
FIXING SCREW

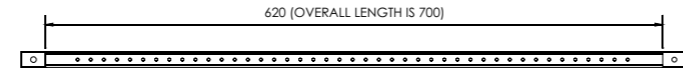


PART # - PLH420



END VIEW

PART # - PLH700

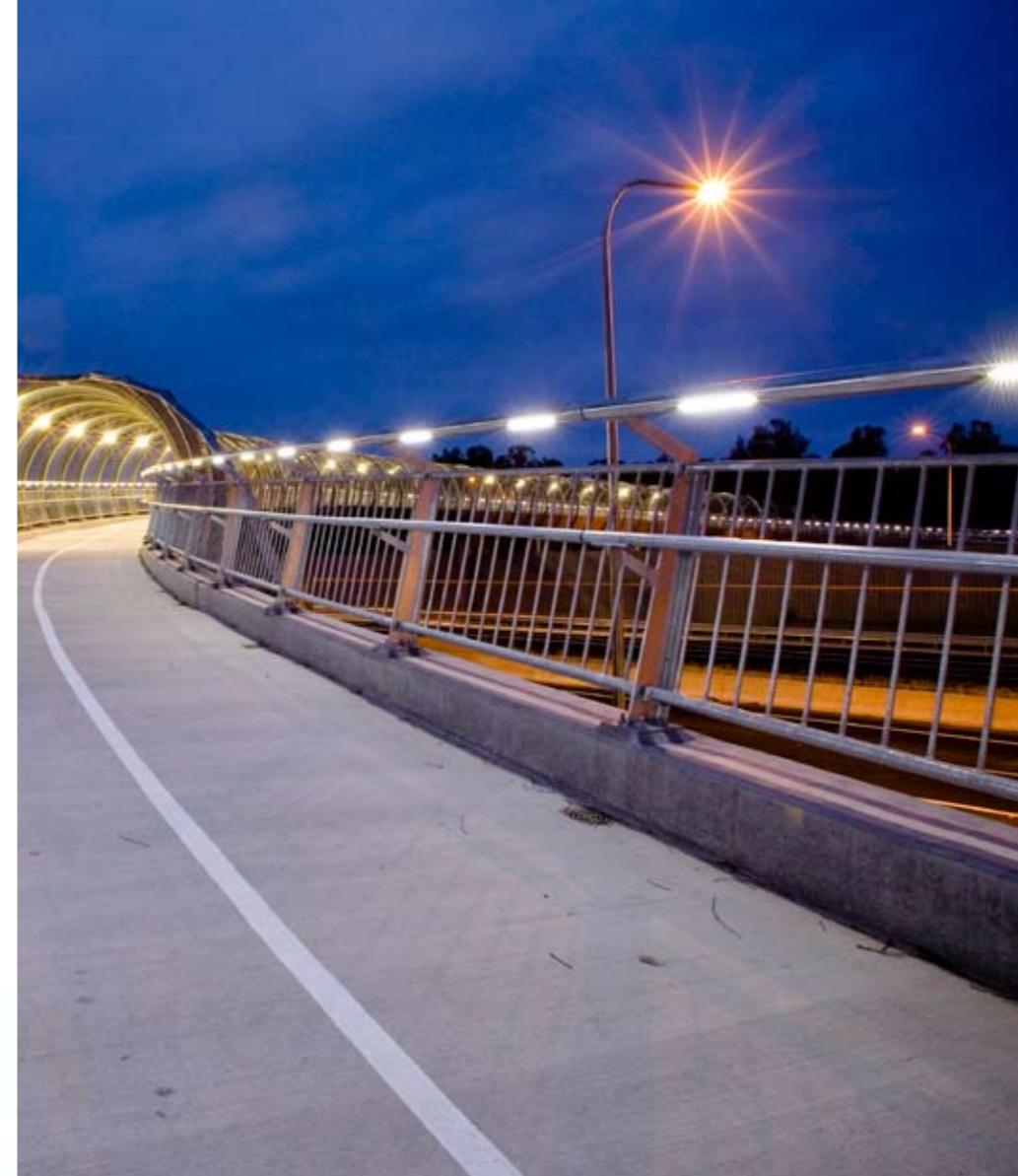


MALE TO FEMALE IP66 CONNECTORS

SIDE VIEW

Measurement Details

Overall Fixture Size	Powered LED Length	Handrail Cut Out	Handrail Fixing Positions
420	340	342 x 18	380 centres
700	620	622 x 18	660 centres



Features

- 50,000 hour lamp life
- Fully resin sealed
- Low Maintenance
- IP66 plug and play design

Finish

Anodised Aluminium

Applications:

- Landscape
- Architectural
- Commercial
- Domestic

Options

- Cool White (5,500K)
- Warm White (3,300K)

Power Supply

24 Volt DC Regulated Voltage

Electrical Specifications:

- Power Input - 24 Volt DC
- Power Consumption
- PLH420 - 4.5 watts
- PLH700 - 9 watts
- Power entry rear
- 24VDC Transformer required

Stunningly timeless in its design, our PowerLED™ Handrail provides a beautiful and highly effective solution for a diverse range of landscape, architectural and commercial applications.