



QLML5503WC2-161-A (IP54) V1.0



■ Product Outline:

The QLML5503WC2-161-A series are designed for DC 24V input and with CCT tunable function, the light bar with high efficiency LED and secondary lens for advertising light box application. The lightbar has support water Ingress Protection Rating 54.

■ Features:

- DC 24V input
- With connector easy for assembly
- Excellent uniformity of light
- 160° viewing angle
- CRI = 80 and above
- High brightness output
- Color Temperature both with 2700K and 6500K.
- IP 54

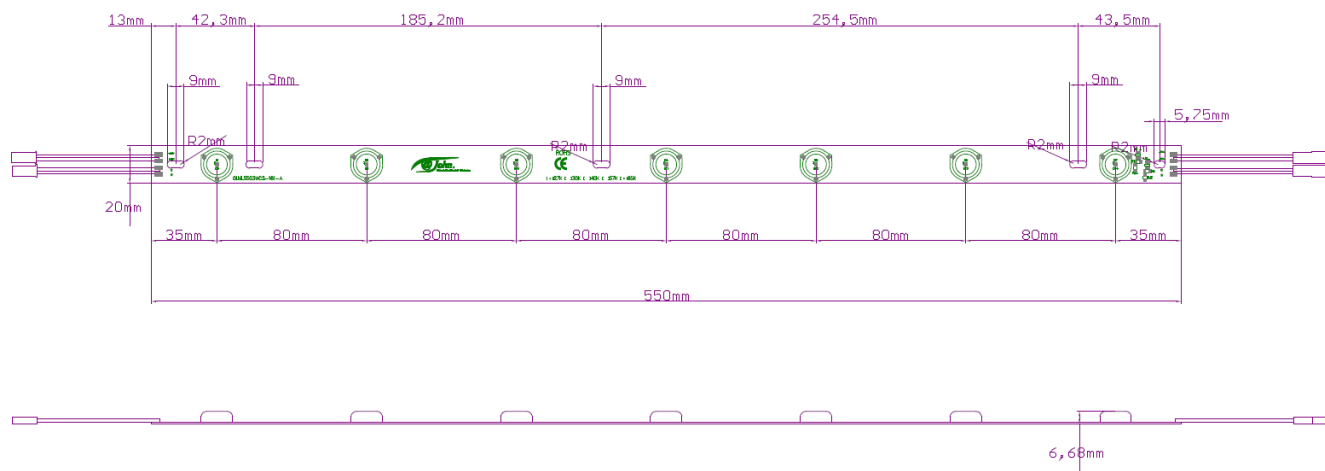
■ Application:

- Advertising light box
- Office lighting
- Flat panel light
- General lighting

Compliance and Certification:

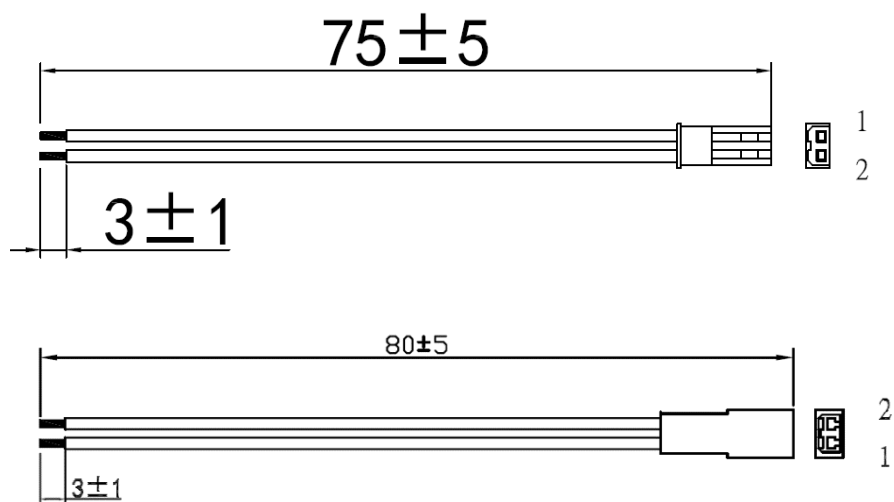


■ Mechanical Drawing:



Dimension = mm

■ Wire and Connector Drawing:



Unit: mm



■ Light Bar Part List

Item	Name	Spec.	Quantity	Remark
1	PCB	Base: FR4 Size: 400 x 20 x 1.0 (mm)	1	
2	LED	CSP 0.2~0.4W CCT=2700K LED	7	
2	LED	CSP 0.2~0.4W CCT=6500K LED	7	
3	LENS	Lens PMMA TV-LENS J02	7	
4	Connector	JST RCY ,3A,250V AC/DC max.	4	
5	Wire	T194 Length : 75mm +/- 5mm T197 Length : 80mm +/- 5mm (UL1007 18AWG 灰/白線)	4	

■ Light Bar Outline Dimension

Parameter	Typical	Tolerance	Unit
Length	550	±0.5	mm
Width	20	±0.3	
Height	6.7	±0.15	
PCB thickness	1.0	±0.15	



■ Electrical / Optical Characteristic

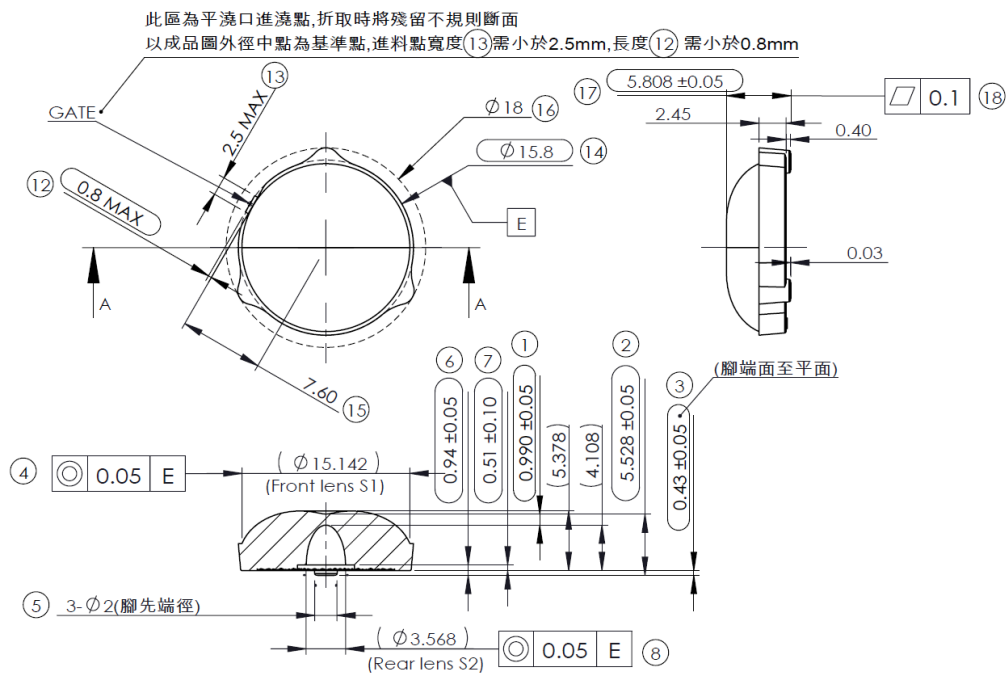
(T=25°C)

Part#	Operating Voltage	Color	Viewing Angle (°)	Luminous Flux (typ.)	Efficacy (lm/W)	CCT*	CRI	Power (w)
QLML5503WC2-161-A	DC 24V	Warm + Cold White	160	330	106	2700K / 6500K 5 SDCM	80	3.1
Operating Temperature: -20°C - 80°C								
Storage Temperature: -30°C - 85°C								

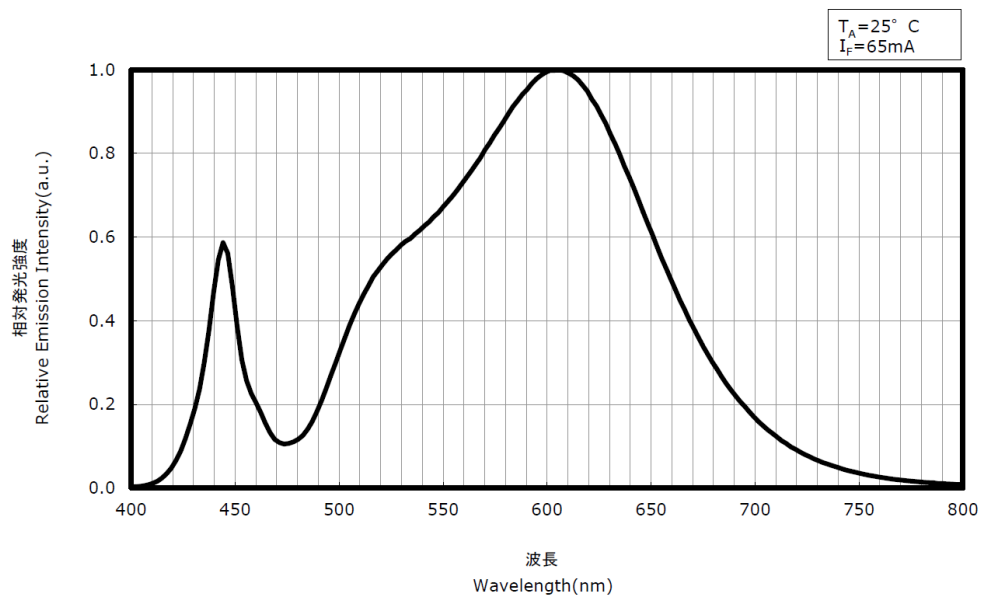
* CCT = +/- 350K

- DC Voltage tolerance is +/- 10%
- Total LED 5pcs for lightstrip
- Luminaire type : Class 1

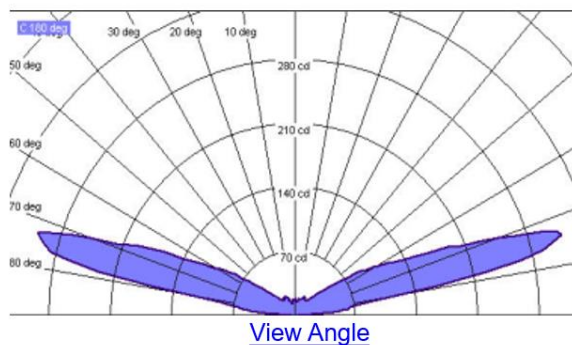
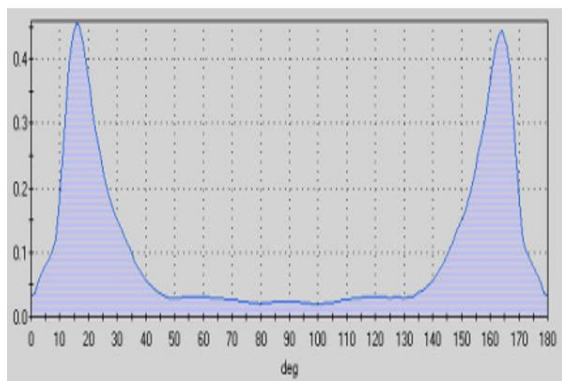
■ LENS Outline



■ LED Spectrum (25°C)



■ LED with Lens Beam Pattern



■ Packing information:



- 10 sets per package



- Box size: 715 x 265 x 83 (mm)
- 10 package per Box

■ Ordering Information:

Part #	Description	Quantity per Box
QLML5503WC2-161-A	Warm and Cold white 3.1W DC 24V light strip with IP54	100 set



■ Revision History:

Revision Date:	Changes:	Version #:
08-10-2017	Initial release	1.0
10-18-2018	Revised the led position of 2700K and 6500K	1.1

