

<h1>SPECIFICATIONS</h1>

[General Specifications]

Product Name		LED Signal Light												
Model	5 tiers	MES-502A												
	4 tiers	MES-402A												
	3 tiers	MES-302A												
	2 tiers	MES-202A												
	1 tier	MES-102A												
UL Registered Model		MES_02A												
Rated Voltage		24 V DC												
Operating Voltage Range		Rated Voltage $\pm 10\%$												
Signal Wire Current (Rated Current Consumption)		Per LED Unit												
		Red	Amber	Green	Blue	White								
		Typ.	25.2mA	25.2mA	13.3mA									
Max.	30.2mA	29.2mA	17.0mA											
Operating Ambient Temperature		-10 °C to +55°C												
Operating Ambient Humidity		Less than 90 % (No condensation)												
Mounting Location		Indoors												
Mounting Direction		Upright												
Protection Rating		IP 42												
Environmental Condition		Mounted in the upright position												
Vibration Resistance		19.6m/s ² (at 30Hz)												
Insulation Resistance		More than 1MΩ at 500VDC between live part and non-current carrying metallic part												
Withstand Voltage		500VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation												
Luminous Intensity		Red	Amber	Green	Blue	White								
		more than 1300mcd	more than 800mcd	more than 1100mcd	more than 500mcd	more than 800mcd								
Mass (Tolerance $\pm 10\%$)		1 tier	2 tiers	3 tiers	4 tiers	5 tiers								
		0.12kg	0.13kg	0.14kg	0.15kg	0.16kg								
Outer Dimensions		Refer to the Outer Dimension Drawing												
Conformity Standards		<ul style="list-style-type: none"> EMC Directive (EN 61000-6-4, EN 61000-6-2) RoHs Directive (EN IEC 63000) UL 508, CSA-C22.2 No.14 												
Remarks		<ul style="list-style-type: none"> UL Recognized Component (File No.E215660) Model Number Configuration MES - I II A - III 												
		<table border="1"> <tr> <td>I Tier</td> <td>II Rated Voltage</td> <td colspan="3">III Luminous Color</td> </tr> <tr> <td>1 : 1Tier 2 : 2Tiers 3 : 3Tiers 4 : 4Tiers 5 : 5Tiers</td> <td>02 : 24V DC</td> <td colspan="3">R : Red / Y: Amber / G : Green / B : Blue / C : White ※ LED Colors are from top to bottom</td> </tr> </table>					I Tier	II Rated Voltage	III Luminous Color			1 : 1Tier 2 : 2Tiers 3 : 3Tiers 4 : 4Tiers 5 : 5Tiers	02 : 24V DC	R : Red / Y: Amber / G : Green / B : Blue / C : White ※ LED Colors are from top to bottom
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		<ul style="list-style-type: none"> Conforms to the CE Requirements Conforms to the UKCA Requirements 												

1 2 3 4 5 6 7 8

指定公差 General tolerance	角度公差 ±[°]			寸法公差 ±[mm]					
	短辺長 Length of short side	~	~	6	30	120	300	1000	
	精 f	10	50	100	0.05	0.1	0.2	0.4	0.6
	粗 v	3	1.5	1	0.3	0.5	1	1.2	2

図番 Drawing No. MES-502A-W18

改訂 Rev. 年月日 Date 改訂履歴 Revisions

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Outer Dimensions

Wiring Example

Wire Type : UL1007/AWG22

[Note]

1. Insulate all unused wires with insulation tape, heat-shrink tubing, etc.
2. Use a "Class 2" power supply.

6	Gland	1	PF1/2, MFNi
5	Lock Nut	1	PF1/2, MFZn
4	Screw	1	M3, MFZn
3	Head Cover	1	PC, Coating(Silver)
2	LED Unit		LED Color : Red, Amber, Green, Blue, White Lens : PC / Reflector : ABS
1	Body	1	Al
番号 No.	部品名 Part Name	数量 Qty.	記事 Remarks

Mounting hole

機種 Model	MES-□02A	特注No. S.P.No.	-	図名 Name	Outer Dimensions Drawing
品目コード Part No.	-	尺度 Scale	-	三角法 3rd Angle P.	単位 Unit mm
					株式会社 PATLITE Corporation

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