PATLITE

■ WME-A / 80mm Profile

CE cULus RoHS IP-54 LED

The WME-A Wall-Mount Series solves your space problems! This LED-based model is designed for easy mounting to save you both time and money.

SIZE:	80mm profile
INPUT VOLTAGE OPTIONS:	- AC/DC24V - AC90-250V
FUNCTIONS AVAILABLE:	- Continuous only - Continuous, Flashing, Alarms
MOUNTING OPTIONS	- Pre-assembled, pre-wired - Interchangeable and stackable after purchase - When changing the number of stacks in the field, new shaft, backplate and module(s) must be purchased
BODY STYLE:	Wall mount only: includes mounting bracket
BODY COLOR:	Beige
TIERS:	2, 3, 4 or 5 stack versions available
MODULE COLORS:	Red / Amber / Green / Blue / Clear
ALARMS (FB STYLE ONLY):	- Alarm 1: selectable, single-tone, intermittent (fast beep) alarm, 90dB (at 1m) - Alarm 2: selectable, single tone, intermittent (slow beep) alarm, 90dB (at 1m)
RATINGS:	- CE - UL Component Recognition (US) - UL Component Recognition (Canada) - RoHS
PROTECTION:	IP-54
CONTROL OPTIONS:	- Dry contact closure such as switches or relay contacts - Open-collector transistor (NPN or PNP for DC24V, NPN for AC90-250V) - Direct voltage control for DC24V, continuous and alarm functions only

PART NUMBER GUIDE

Top to Bottom →

W M E - 5 0 2 A F B - R Y G B C

1. Series
WME, 80mm profile

2. No. of Modules Stacked
2 to 5

3. Rated Voltage
02 : AC/DC24V
M2 : AC90~250V

4. Functions
Blank : Continuous
FB : Cont./Flashing w/ Alarms

5. Lens Color
R : Red
Y : Yellow
G : Green
B : Blue
C : Clear

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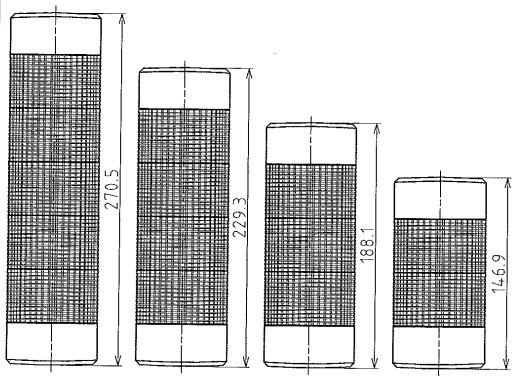
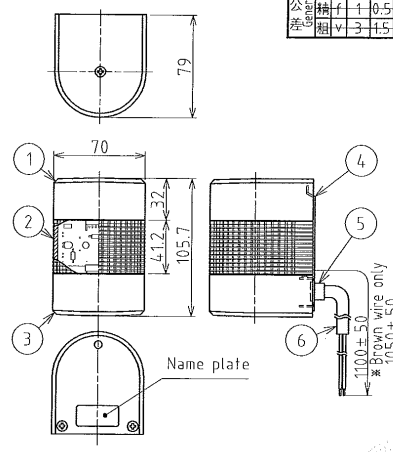
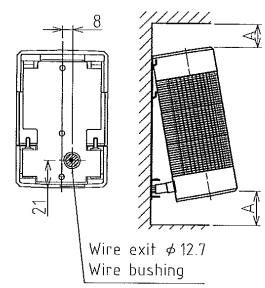
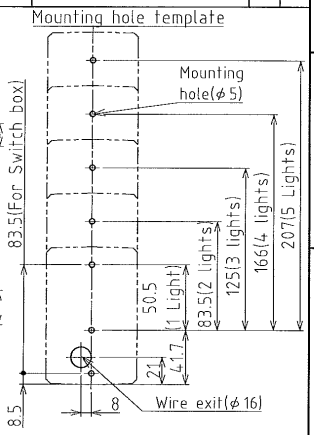
指定外公差 General tolerance	角度公差 Angular tolerance ±[°]					寸法公差 Dimensional tolerance ±[mm]						符号 Sym.	年月日 Date	訂正履歴 Revisions	記印 Sgn.	検印 Chk.
	短辺長さ Length of short side	~ 10	~ 50	~ 100	100 ~		~ 6	30	120	300	1000	△-				
	精 f	1	0.5	0.3	0.1	精 f	0.05	0.1	0.2	0.4	0.6	△-				
	粗 v	3	1.5	1	0.5	中 m	0.1	0.3	0.5	0.7	1	△-				
						粗 c	0.3	0.5	1	1.2	2	△-				









Model No. configuration

WME-□02A-□□□□□

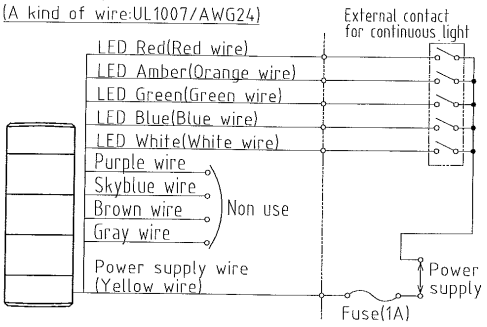
Light style
1:1 Light
2:2 Lights
3:3 Lights
4:4 Lights
5:5 Lights

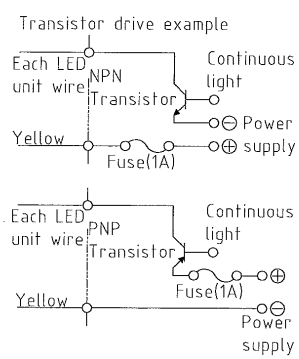
Rated voltage
02:24V AC/DC

LED unit color
(R:Red/Y:Amber/G:Green/B:Blue/C:White)
※Lens color top to base as layers

PATLITE
MAR. 10. 2008
RESEARCH & DEVELOPMENT DEPARTMENT

Wiring example
(A kind of wire:UL1007/AWG24)





Note
1. Make sure of that the end of unused wires are insulated by insulation tape or other insulating materials.
2. When installing the product, be sure to leave enough space (A) for screwdriver access as shown above.
3. Use "Class 2 circuit" for the power supply source.
4. The fuse or fuse folder should be certified by UL.
5. Rated current of fuse should be conformed to that of machine this product is installed.
(Example:Class J Type fuse)

番号 No.	部品名 Part Name	品目コード Part No.	数量 Qty.	材料 & 寸法 & 処理 Material & Size & Finish	記事 Remarks
6	Vinyl tube	-	1		Black
5	Wire bushing	-	1		Black
4	Metal fitting	-	1	SPCC,t=1.2,MFZn-C Yellow zinc	
3	Bracket	-	1	ABS	Light gray
2	LED unit assembly	-	Layers	LED color:Red,Amber,Green,Blue,White Lens:AS	
1	Head cover	-	1	ABS	Light gray

設計 Dgn.by	製図 Drn.by	検図 Chk.by	承認 App.by	図名 Name	機種名 Model	特注No. S.P.No.
A.Ikeda 25.Mar.2002	T.Okutani 13.Oct.'06	[signature] 17.Oct.'06	[signature] 18.Oct.'06	Specifications Dimensions	WME-□02A	—
					品目コード Part No.	-
三角法 3rd Angle P.	単位 Unit mm	尺度 Scale 1:3		株式会社 パトライト PATLITE Corporation	図番 Drawing No. WME-.02A-A18E-2/2	

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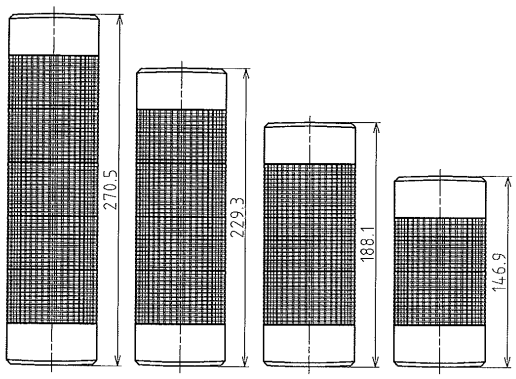
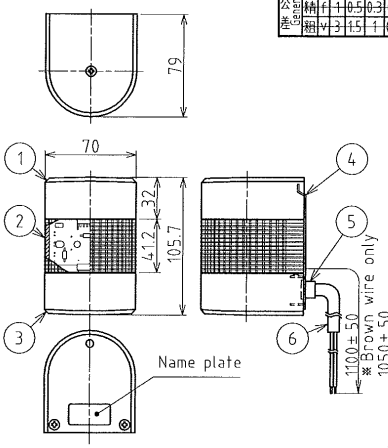
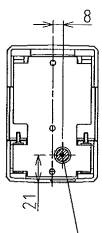
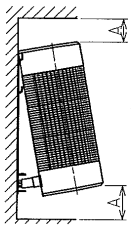




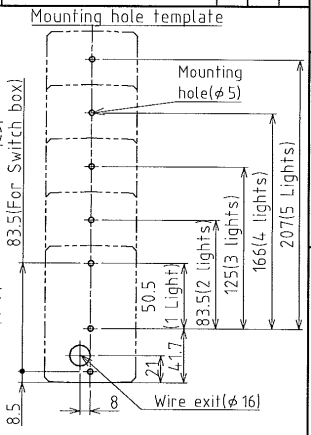


Mounting example



Wire exit φ12.7
Wire bushing

Mounting hole template



指定外形公差 General tolerance	角度公差 Angular tolerance ±[°]					寸法公差 Dimensional tolerance ±[mm]							符号 Sym.	年月日 Date	訂正履歴 Revisions	記印 Sgn.	検印 Chk.	承認 App.
	短辺の長さ Length of short side	～10	～50	～100	100～		～6	6～30	30～120	120～300	300～1000		△-					
精 f	精 f	1	0.5	0.3	0.1	精 f	0.05	0.1	0.2	0.4	0.6		△-					
中 m	中 m	1	0.5	0.3	0.1	中 m	0.1	0.3	0.5	0.7	1		△-					
粗 v	粗 v	3	1.5	1	0.5	粗 c	0.3	0.5	1	12	2		△-					

Model No. configuration

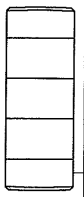
WME－□M2A－□□□□□

Light style
1:1 Light
2:2 Lights
3:3 Lights
4:4 Lights
5:5 Lights

Rated voltage
M2:90V～250V AC

LED unit color
(R:Red/Y:Amber/G:Green/B:Blue/C:White)
※Lens color top to base as layers

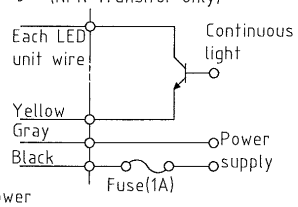
Wiring example
(Signal wire:UL1007/AWG24)
(Power wire・Earth wire:UL1015/AWG18)



LED Red(Red wire)
LED Amber(Orange wire)
LED Green(Green wire)
LED Blue(Blue wire)
LED White(White wire)
Common wire for lighting (Yellow wire)
Power supply wire (Glay wire)
Power supply wire (Black wire)
Earth wire(Green/Yellow wire)
Purple wire
Skyblue wire
Brown wire
Non use

External contact for continuous light

Transistor drive example (NPN Transitor only)



Note
1. Make sure of that the end of unused wires are insulated by insulation tape or other insulating materials.
2. When installing the product, be sure to leave enough space (A) for screwdriver access as shown above.
3. The fuse or fuse folder should be certified by UL.
4. Rated current of fuse should be conformed to that of machine this product is installed.
(Example:Class J Type fuse)

番号 No.	部品名 Part Name	品目コード Part No.	数量 Qty.	材料 & 寸法 & 処理 Material & Size & Finish	記事 Remarks
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5	Wire bushing	-	1		Black
4	Metal fitting	-	1	SPCC,t=1.2,MFZn-C Yellow zinc	
3	Bracket	-	1	ABS	Light gray
2	LED unit assembly	-	Layers	LED color:Red,Amber,Green,Blue,White Lens:AS	
1	Head cover	-	1	ABS	Light gray

設計 Dgn.by	製図 Drn.by	検図 Chk.by	承認 App.by	図名 Name	機種名 Model	特注No. S.P.No.
A.Ikeda 16.Feb.'05	Y.Nagayama 5.Mar.'08		6 Mar.'08	Specifications	WME-□M2A	—
				Dimensions	品目コード Part No. —	
三角法 3rd Angle P.	単位 Unit mm	尺度 Scale 1:3	株式会社パトライト PATLITE Corporation		図番 Drawing No. WME-.M2A-A18A(UL)-2/2	

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SPECIFICATIONS

Model	5lights	WME－502A				
	4lights	WME－402A				
	3lights	WME－302A				
	2lights	WME－202A				
	1light	WME－102A				
Rated voltage		24V AC/DC (50/60Hz)				
Operating voltage		Rated voltage±10%				
Current consumption		Per light				
		Red	Amber	Green	Blue	White
	Typ.	22.6 mA	26.6 mA	17.5 mA	38.9 mA	38.9 mA
	Max.	26.1 mA	35.0 mA	24.6 mA	47.6 mA	47.6 mA
Operating temperature range (Relative humidity)		-10 ℃ ～ +55 ℃ (Less than 90%)				
Mounting place		Indoor only				
Mounting direction		Upright				
Protection rating		IP54				
Vibration proof		19.6 m/s^2 (30Hz)				
Insulation resistance		・To be measured by an insulation measuring device of 500VDC between the terminals and the chassis. More than 1MΩ				
Dielectric voltage		・500VAC being applied between the terminals and the chassis for 1 minute. Not breaking insulation				
Luminous intensity		Red	Amber	Green	Blue	White
		1000mcd	700mcd	1000mcd	300mcd	1000mcd
Mass(Tolerance:±10%)		1light	2lights	3lights	4lights	5lights
		0.31kg	0.39kg	0.47kg	0.55kg	0.63Kg
No. WME－. 02A－A18E－1／2						

Remark

- This product confirms to the CE requirements and CE Marking is indicated.
- Recognized as UL standard. (Standard No.UL508, File No. E215660)
- This product complies with the RoHS Directive(DIRECTIVE 2002/95/EC)

MAR. 10. 2008
RESEARCH & DEVELOPMENT DEPARTMENT

PATLITE Corporation	App.by	Chk.by	Drn.by
	18 Oct '06	17 Oct '06	T.Okutani 13.Oct.'06

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SPECIFICATIONS

Model	5lights	WME−5M2A
	4lights	WME−4M2A
	3lights	WME−3M2A
	2lights	WME−2M2A
	1light	WME−1M2A
Rated voltage		90V~250VAC (50/60Hz)
Operating voltage		Rated voltage±10%

Power consumption		Per light				
		Red	Amber	Green	Blue	White
	AC100V	1.1W			1.5W	
	AC240V	1.4W			2.0W	
		Standby power consumption:0.6W				

Current consumption		Per light				
		Red	Amber	Green	Blue	White
	Typ.	22.6 mA	26.6 mA	17.5 mA	38.9 mA	38.9 mA
	Max.	26.1 mA	35.0 mA	24.6 mA	47.6 mA	47.6 mA

Operating temperature range (Relative humidity)	- 10℃ ～ + 55℃ (Less than 90%)
Mounting place	Indoor only
Mounting direction	Upright & sideway
Protection rating	IP54
Vibration proof	19.6 m/s² (30Hz)
Insulation resistance	To be measured by an insulation measuring device of 500VDC between the terminals and the chassis. More than 1MΩ
Dielectric voltage	1500VAC being applied between the terminals and the chassis for 1 minute. Not braking insulation

Luminous intensity	Red	Amber	Green	Blue	White
	1000mcd	700mcd	1000mcd	300mcd	1000mcd

Mass	1light	2lights	3lights	4lights	5lights
	0.38Kg	0.46kg	0.54kg	0.62kg	0.70Kg

No. WME−. M2A−A18A(UL)−1／2

- This product confirms to the CE requirements and CE Marking is indicated.
- Recognized as UL standard. (Standard No.UL508, File No. E215660)
- The power consumption of one product is the value which added lights consumptionto standing by power consumption.

MAR 10 2008

PATLITE Corporation	App.by	Chk.by	Drn.by
	6 Mar '08		5 Mar '08

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