

SPECIFICATIONS

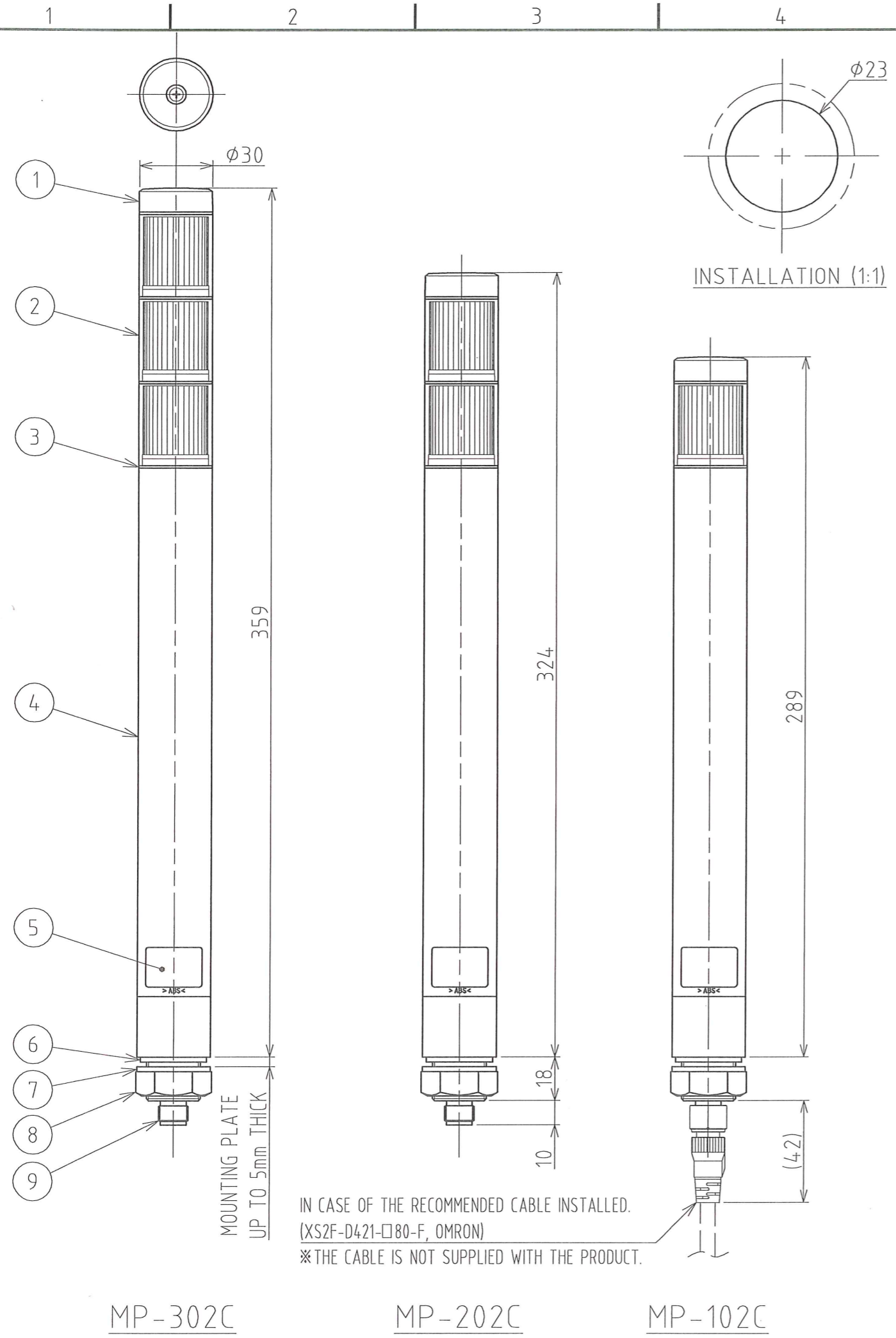
[General Specifications]

Model	3 tiers	MP-302C
	2 tiers	MP-202C
	1 tier	MP-102C
UL registration model		MP-.02C
Rated Voltage		24V DC (Non-polar)
Operating Voltage		Rated Voltage $\pm 10\%$
Signal Wire Current	Typ.	Per Unit Red: 28.6mA Amber: 28.6mA Green: 17.1mA
	Max.	Per Unit Red: 32.2mA Amber: 32.2mA Green: 21.4mA
Operating Temperature Range		-20°C to +60°C
Relative Humidity		Less than 90% (No condensation)
Mounting Location		Indoors
Mounting Direction		Upright
Protection Rating		IP65 (Self-Declaration based on IEC 60529)
Vibration Resistance		JIS C 60068-2-6 Total amplitude 0.3mm p-p (10 to 57.5Hz), Acceleration 19.6 m/s ² (57.5 to 150Hz)
Insulation Resistance		More than 1M Ω at 500VDC between current-carrying parts and non-current-carrying metal parts
Withstand Voltage		500VAC applied for 1min between current-carrying parts and non-current-carrying metal
Luminous Intensity		Red: 500mcd Amber: 650mcd Green: 1600mcd
Mass (Tolerance $\pm 10\%$)		MP-102C: 0.24kg MP-202C: 0.26kg MP-302C: 0.28kg
Conformity Standards		RoHS Directive(DIRECTIVE 2002/95/EC) UL Recognized Component (File No.E215660) CE marking (EN61000-6-4 and EN61000-6-2)
Remarks	<p>Conditions of UL acceptability: -For use on a flat surface of a Type 1 Enclosure -Use Class 2 power supply.</p> <p>Recommended cable: -XS2F-D421-□80-F (OMRON)</p>	



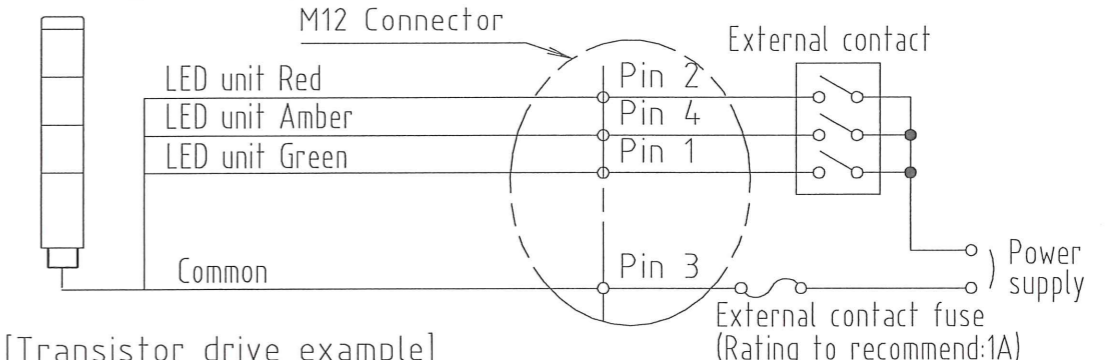
No. MP-.02C-A18C-1_2

PATLITE Corporation	Approved	Checked	Drawn
	 27. Mar. '12		D.Shigematsu 27.March.'12

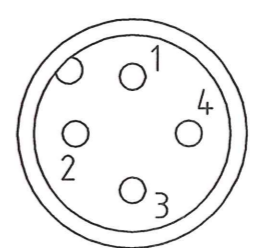
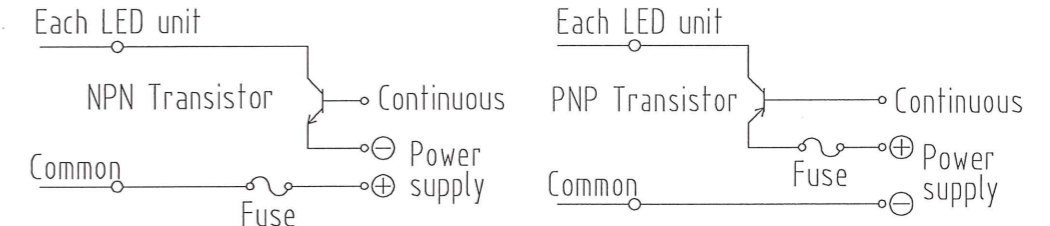


指定 公差 General Tolerance	角度公差 ±[°] Angular tolerance ±[°]			寸法公差 ±[mm] Dimensional tolerance ±[mm]						符号 Sym.	年月日 Date	訂正履歴 Revisions	記印 Sgn.	検印 Chk.	承認 App.	
	短辺 Length of short side	~	~	~	~	~	~	~	~							~
短辺 Length of short side	10	50	100	~	6	30	120	300	1000	△	-					
精 f	1	0.5	0.3	0.1	精	f	0.05	0.1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

[Wiring example]



[Transistor drive example]



PIN NO.	COLOR OF LED UNIT
1	GREEN
2	RED
3	(COM)
4	AMBER

M12 CONNECTOR
PIN CONFIGURATION



9	M12 CONNECTOR	-	1	XS2M-D421	OMRON
8	HEXAGON NUT	-	1	SUM, M22 P1.5 MFZn(Trivalent chromate)	
7	FLAT WASHER	-	1	SPCC, 22 t=2 MFZn(Trivalent chromate)	
6	WATERPROOF SHEET	-	2	CR sponge	Black
5	NAMEPLATE	-	1	Polyester film	
4	MAIN BODY	-	1	ABS resin	Silver paint
3	O-RING	-	Stacks+	Silicone rubber	Gray
2	LED UNIT	-	Stacks	Lens part: SAN resin	Red, Amber, Green
1	HEAD COVER	-	1	ABS resin	Silver paint

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
設計 Dgn.by	製図 Drn.by	検図 Chk.by	承認 App.by	図名 Name	機種名 Model
D.Shigematsu	D.Shigematsu		A/m	SPECIFICATIONS	MP-□02C
2.Feb.'12	27.Mar.'12		27.Mar.'12	OUTLINE	品目コード Part No.
三角法 3rd Angle P.	単位 Unit mm	尺度 Scale 1:2	株式会社 パトライト PATLITE Corporation		図番 Drawing No. MP-.02C-A18C-2_2