

## LCT / LCG series

# Water proof Lane photoelectric sensor

- Mounted angle adjustable
- Thru beam type with twin beams
- Mirror reflex type with polarity filter
- High Illumination Resistance
- Longer sensing distance
- High protection class IP 67
- 安裝角度可調整
- 雙光軸透過型
- 鏡片反射型附偏光片
- 高抗外亂光
- 更長的檢測安裝距離
- 高防水等級 IP 67

## LCT / LCG 系列

# 防水型 車道光電傳感器

**IP 67 CE Rohs**



[www.fotek.com.tw](http://www.fotek.com.tw)



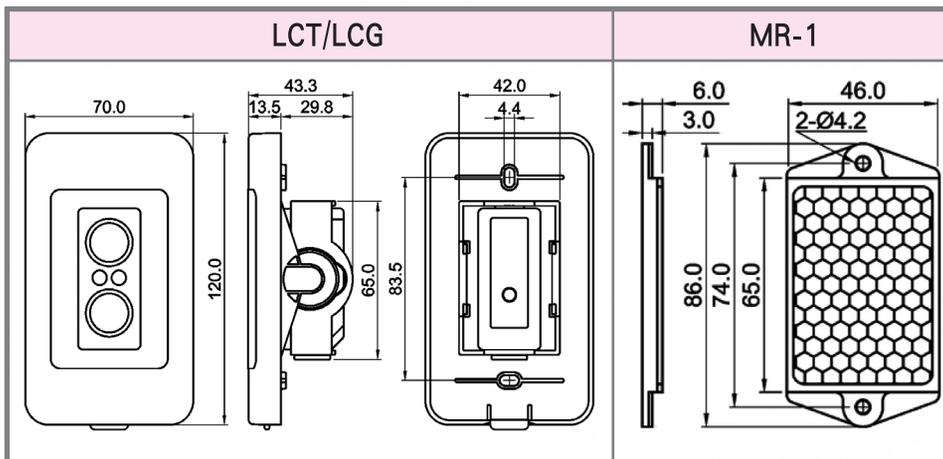
FOTEK CONTROLS  
EST. 1985

Relay is Conformed to Bellcore specification and FCC Part 68

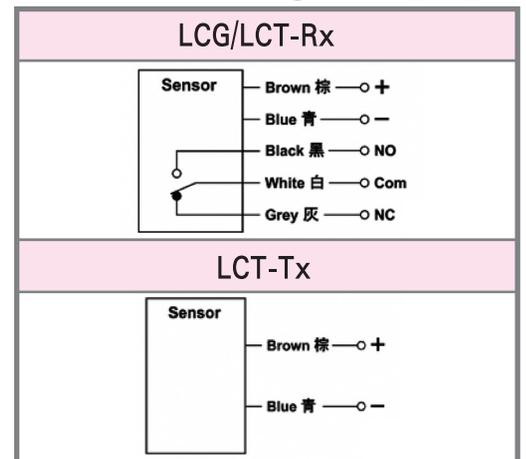
## ● General specification / 基本規格

Type	形式	Thru beam type				Mirror reflex type		Polarized mirror reflex type	
Model	型號	LCT-16MX	LCT-16MXB	LCT-40MX	LCT-40MXB	LCG-12MR	LCG-12MRB	LCG-10MRE	LCG-10MRB
Sensing distance	檢測距離	16 M min.	16 M min.	40 M min.	40 M min.	12 M min.	12 M min.	10 M min.	10 M min.
Output status	輸出狀態	Dark ON	Light ON	Dark ON	Light ON	Dark ON	Light ON	Dark ON	Light ON
Polarized filter	附偏光片	non				non		With polarized filter	
Emitter	發射光	Infra-Red LED				Red LED			
Light beams	光軸數	Twin light beams				Single light beam			
Current consumption	耗電流	Tx : 10mA max. ; Rx : 30mA max.				40mA max.			
Power supply	工作電壓	10-30VDC							
Output method	輸出方式	Relay 2A/30VDC max.							
Fixed adjustable angle	安裝角度	Rotated angle $\leq \pm 15^\circ$ ; Pitched angle $\leq \pm 15^\circ$							
Relay life of mechanical	機械壽命	1 $\times$ 10 <sup>8</sup> operations min.							
Relay life of electrical	電氣壽命	5 $\times$ 10 <sup>5</sup> operations. min. (1 A 30 VDC)							
Response time	反應時間	20 ms max.							
Min. sensible object	最小檢測物	200 $\phi$ Opaque object min.							
Illumination resistance	耐外亂光	Sunlight > 30,000 Lux. ; Lamplight > 10,000 Lux.							
Protection circuit	保護迴路	Power polarity reversed							
Vibration resistance	耐震動	10-55Hz /1.5mm, 2 hours in X/Y/Z directions							
Approval	安規	CE / RoHS							
Housing material	外殼材質	Housing : Intensive ABS ( 94V0 ) ; Cover & Lenz : PMMA							
Protection	防水等級	IP-67							
Connection method	出線方式	5 $\phi$ x 12 cm							
Operating circumstance	工作環境	- 25 $^\circ$ C ~ +80 $^\circ$ C ; 35% ~ 85% RH							

## ● Outline dimension / 外形尺寸



## ● Connection diagram / 連接圖



## ● Notice / 注意事項

 <b>Warning</b>	<p>These series products are not designed for personal safety protection, Please do not apply for such as purpose.</p> <p>本系列產品不是設計使用在人員安全防護，請勿使用在此用途上！</p>
 <b>Caution</b>	<p>1&gt; Please assure the correct voltage of power supply.</p> <p>2&gt; Please do not directly expose these products to fluorescent lamp or sunlight, from making malfunction.</p> <p>3&gt; Please do not use these products under the oil or chemical environment.</p> <p>4&gt; Please do not clean these products with organic solvent such as thinner or strong alkali or acid.</p> <p>1&gt; 請確認提供正確的電源電壓。</p> <p>2&gt; 本系列產品請勿直接暴露在螢光燈或太陽光直接照射的環境。</p> <p>3&gt; 本系列產品請勿使用在有油污或化學氣體的環境。</p> <p>4&gt; 本系列產品請勿使用溶劑擦拭，如松香稀釋劑或強酸強鹼的液體。</p>