

# QPL/ QPLC/ QPHL/ QPHLC Basic Waterproof LED Light Bars

Waterproof LED light bars, suitable for dusty and moisture environments



### Common Specifications(QPL/QPLC/QPHL/QPHLC)

- Fully enclosed structure with protection rating of IP65, suitable for environments which have lingering dust or moisture
- Maintains bright intensity illumination from dust resistant lens
- Beautiful appearance with dome type lens
- Slim thickness 24mm adopted AC direct LED control system
- 4 kinds of products length 200/300/400/500mm
- Selectable lens between translucent and transparent based on condition
- Can customize the product with the M12 connector if requested.
- Certificates : CE Compliant, UL Listed

## QPL Translucent Lens



## QPLC Transparent Lens



### Cable end M12 connector attached type



Customized Cable end M12 connector attached type available.

### Optics Specifications

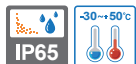
Model	QPL-200	QPL-C200	QPL-300	QPLC-300	QPL-400	QPLC-400	QPL-500	QPLC-500	
Lens color	Translucent	Transparent	Translucent	Transparent	Translucent	Transparent	Translucent	Transparent	
Light color	Cooldaylight								
Color temperature	6,000-7,000K								
Luminous flux	DC	168lm	187lm	248lm	309lm	387lm	436lm	515lm	587lm
	AC	-	-	381lm	433lm	527lm	600lm	696lm	792lm
Efficacy (lm/W)	DC	50lux	65lux	80lux	100lux	120lux	145lux	160lux	195lux
	AC	-	-	100lux	125lux	175lux	210lux	255lux	305lux

### Specifications

Model	QPL-200/ QPLC-200	QPL-300/ QPLC-300	QPL-400/ QPLC-400	QPL-500/ QPLC-500
Voltage	DC24V	DC24V	DC24V	DC24V
		AC110V / 220V	AC110V / 220V	AC110V / 220V
Range for operation voltage	DC21.5V-26.5V	DC21.5V-26.5V / AC98V-121V / AC198V-245V		
Power consumption	3.5W	4W	5.5W	7.5W
		3.5W / 5.5W	6W / 7.5W	9W / 11W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)			
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute / AC : 1,500V AC, 60Hz, 1 minute			
Operating temperature	-30°C to +50°C			
Protection rating	IP65			
Materials	Lens : PC, Side cover : ABS, Heat sink : Al			
Certificates	CE DC24V/AC220V only UL DC24V only			
Weight(Approx.)	0.13kg	0.15kg	0.21kg	0.24kg
		0.15kg	0.21kg	0.24kg

# QPL/QPLC/QPHL/QPHLC

Basic Waterproof LED Light Bars



## QPHL Translucent Lens



## QPHLC Transparent Lens



### Optics Specifications

Model	QPHL-200	QPHLC-200	QPHL-300	QPHLC-300	QPHL-400	QPHLC-400	QPHL-500	QPHLC-500	
Lens color	Translucent	Transparent	Translucent	Transparent	Translucent	Transparent	Translucent	Transparent	
Light color	Cooldaylight								
Color temperature	6,000-7,000K								
Luminous flux	DC	289lm	344lm	460lm	529lm	668lm	768lm	803lm	907lm
	AC	-	-	505lm	582lm	714lm	814lm	927lm	1,094lm
Efficacy (lm/W)	DC	80lux	100lux	120lux	150lux	190lux	230lux	250lux	310lux
	AC	-	-	135lux	170lux	200lux	250lux	290lux	375lux

### Specifications

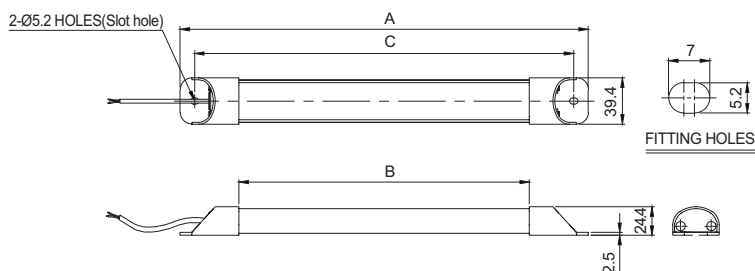
Model	QPHL-200/ QPHLC-200	QPHL-300/ QPHLC-300	QPHL-400/ QPHLC-400	QPHL-500/ QPHLC-500
Voltage	DC24V	DC24V AC110V / 220V	DC24V AC110V / 220V	DC24V AC110V / 220V
Range for operation voltage	DC21.5V-26.5V	DC21.5V-26.5V / AC98V-121V / AC198V-245V		
Power consumption	4.8W	5.5W 4W / 6.5W	8.5W 7W / 9W	12W 10W / 12W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)			
Withstanding voltage	DC : 500V AC, 60Hz, 1 minute / AC : 1,500V AC, 60Hz, 1 minute			
Operating temperature	-30°C to +50°C			
Protection rating	IP65			
Materials	Lens : PC, Side cover : ABS, Heat sink : Al			
Certificates	-	CE DC24V/ AC220V only  DC24V only		
Weight(Approx.)	0.13kg	0.22kg	0.31kg	0.41kg
		0.23kg	0.32kg	0.42kg



### Technical Diagram

(Units : mm)

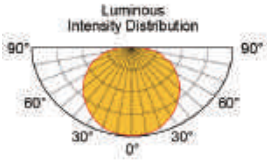
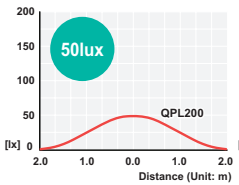
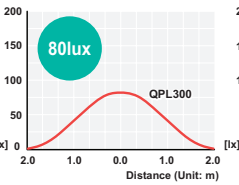
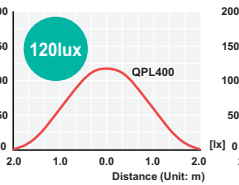
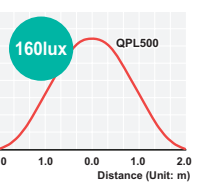
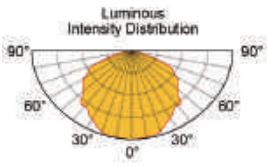
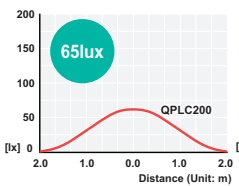
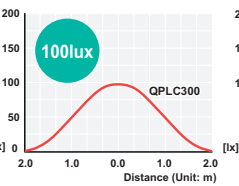
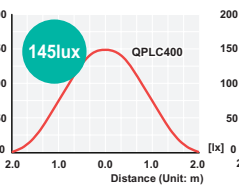
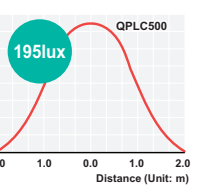
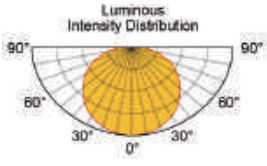
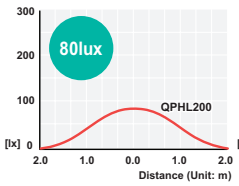
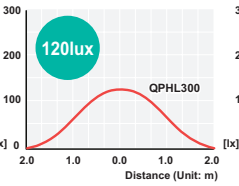
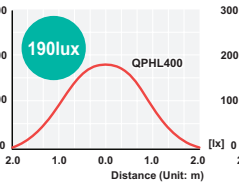
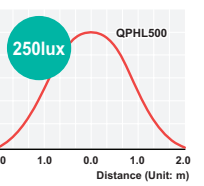
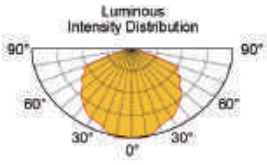
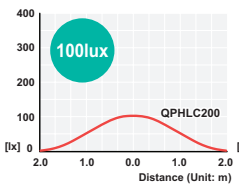
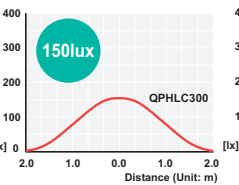
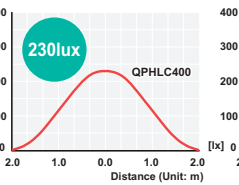
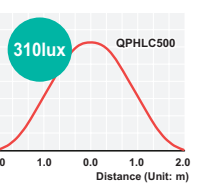
QPL/ QPHL 200/ 300/ 400/ 500  
QPLC/ QPHLC 200/ 300/ 400/ 500



MODEL	A	B	C
QPL/ QPHL/ QPLC/ QPHLC 200	200	100	175
QPL/ QPHL/ QPLC/ QPHLC 300	300	200	275
QPL/ QPHL/ QPLC/ QPHLC 400	400	300	375
QPL/ QPHL/ QPLC/ QPHLC 500	500	400	475

※ External power line : DC TYPE - UL2464 AWG22(0.3sq×2C) 450mm  
AC TYPE - VCTFK(0.75sq×2C) 450mm

## Light Distribution and Illuminance

Model	Light Distribution Curve	Illumination Feature			
QPL					
QPLC					
QPHL					
QPHLC					



### Ordering Specification

**QPHL**

[Model number]

**500**

[Product length]

**24**

[Voltage]

- QPL : Translucent lens
- QPLC : Transparent lens
- QPHL : High illumination translucent lens
- QPHLC : High illumination transparent lens

- 200 : 200mm
- 300 : 300mm
- 400 : 400mm
- 500 : 500mm

- 24-DC24V
- 110-AC110V
- 220-AC220V