

Lumher Mounting Accessories For PD-Series Lights

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The PD series bar lights offer a wide variety of anchoring options. A number of different mounting bracket options are available, including stainless steel and plastic (ABS) models. These include fixed anchors with multiple installation positions as well as rotating anchors for greater flexibility.

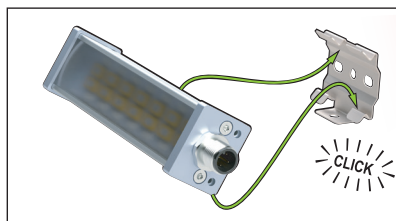
Lumher PD Series Fixed Mounting Bracket Selection Guide

Part Number	Price	Adjustment Type	Setting Angles	Material	Mounting	Drawings
P00G1	\$16.50	Fixed	0° or 90°	Stainless steel	Customer-supplied screws	PDF
P00G2	\$10.00	Fixed	0° or 90°	Plastic	Customer-supplied screws	PDF
P00G3	\$10.00	Fixed	0°, 15°, 30°, 60°, 75°, or 90°	Plastic	Customer-supplied screws	PDF
P00G4	\$25.00	Fixed	0°	Plastic	Magnetic	PDF

[P00G1](#)



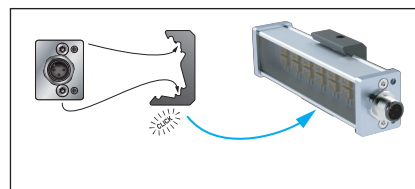
Mounting



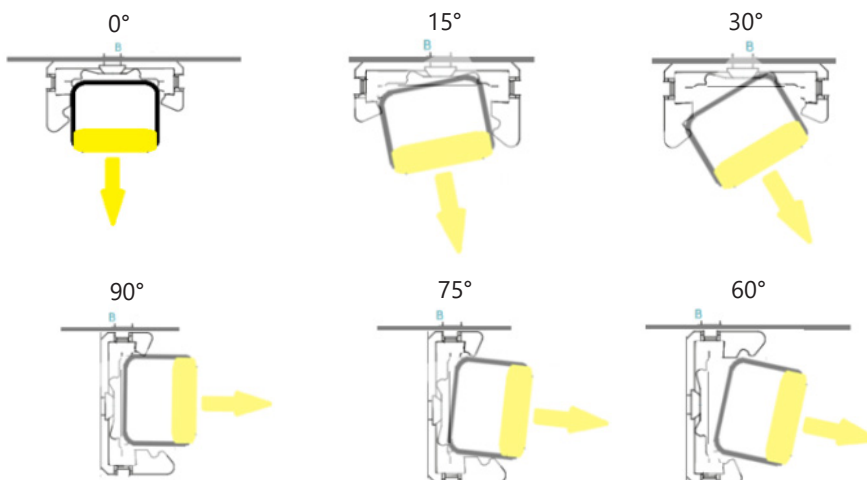
[P00G3](#)



Mounting Procedure



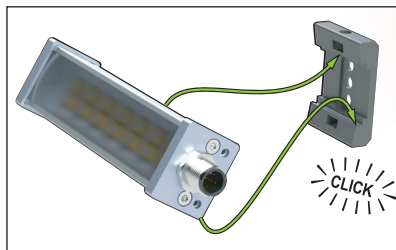
Mounting Options for Various Setting Angles



[P00G2](#)



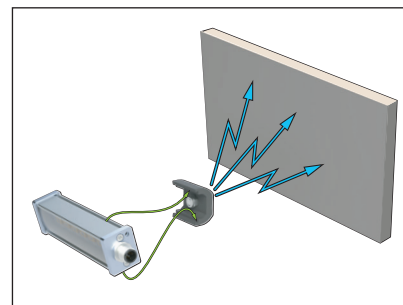
Mounting



Magnetic mounting



[P00G4](#)



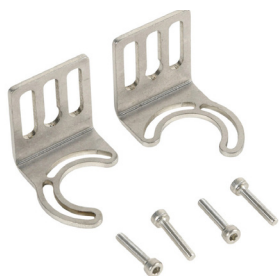
Lumher Mounting Accessories For PD-Series Lights

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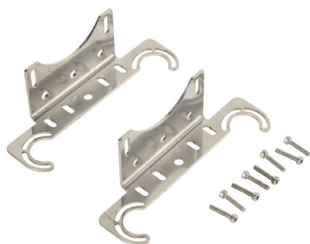
The PD series bar lights offer a wide variety of anchoring options. A number of different mounting bracket options are available, including stainless steel and plastic (ABS) models. These include fixed anchors with multiple installation positions as well as rotating anchors for greater flexibility.

Lumher PD Series Adjustable Mounting Bracket Selection Guide

Part Number	Price	Adjustment Type	Mounting Capacity	Relative Orientation of Lights	Material	Mounting (Lights)	Mounting (Brackets)	Drawings
<u>P00R1</u>	\$16.50	Adjustable	Single	–	Stainless steel	Supplied screws (included)	Customer-supplied screws or M6D16	<u>PDF</u>
<u>P00R2</u>	\$32.50	Adjustable	Dual	Axial	Stainless steel		Customer-supplied screws	<u>PDF</u>
<u>P00R3</u>	\$53.00	Adjustable	Dual	60°	Stainless steel		Customer-supplied screws	<u>PDF</u>
<u>P00R4</u>	\$27.00	Adjustable	Dual	90°	Stainless steel		Customer-supplied screws or M6D16	<u>PDF</u>



[P00R1](#)



[P00R2](#)

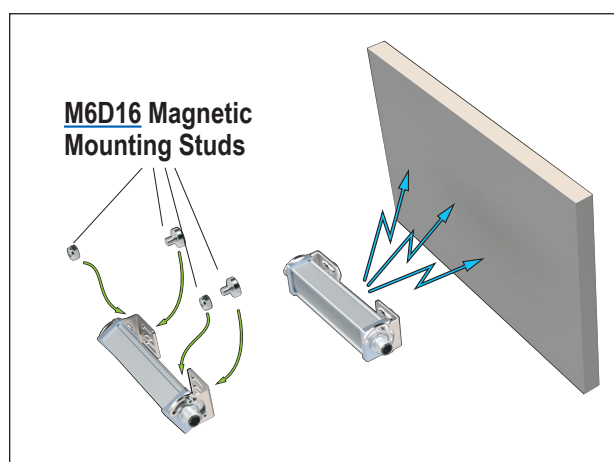
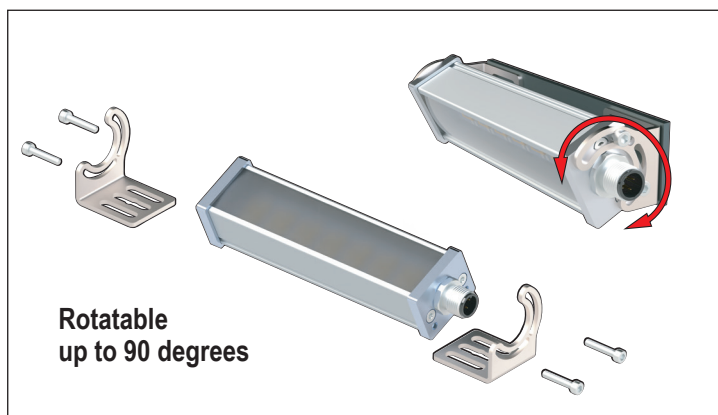


[P00R3](#)



[P00R4](#)

Mounting Bracket Assembly Options



Lumher Magnetic Mounting Option Selection Guide

Part Number	Price	Material	Description	Fits	Drawings
<u>M6D16</u>	\$15.50	Stainless steel	Magnet with M6 stud and lock nut	<u>F00R1</u> <u>P00R1</u> , <u>P00R4</u>	<u>PDF</u>



[M6D16](#)

Lumher Mounting Accessories For FD-Series Lights

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The FD series bar lights offer a wide variety of anchoring options. A number of different mounting bracket options are available, including stainless steel and plastic (ABS) models. These include fixed anchors with multiple installation positions as well as rotating anchors for greater flexibility.

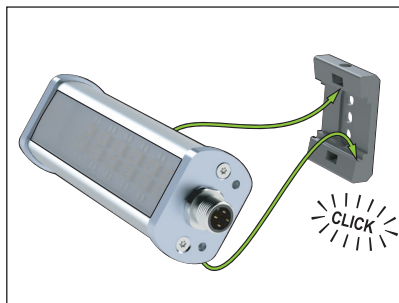
Contaval Lumher FD Series Mounting Bracket Selection Guide

Part Number	Price	Adjustment	Setting Angles	Material	Mounting	Drawings
F00G2	\$10.00	Fixed	0°	Plastic	For mounting lights: Clip into brackets For mounting brackets: Use customer-supplied screws or M6D16	PDF
F00G4	\$25.00	Fixed	0°	Plastic	For mounting lights: Clip into brackets For mounting brackets: Magnetic	PDF
F00R1	\$22.00	Adjustable	Up to 90°	Stainless steel	For mounting lights: Use supplied screws For mounting brackets: Use customer-supplied screws or M6D16	PDF

F00G2



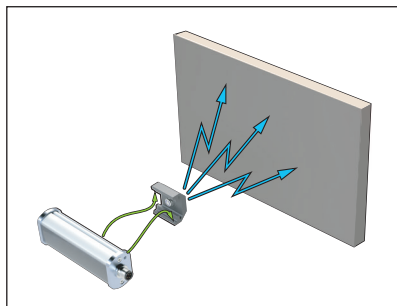
Mounting



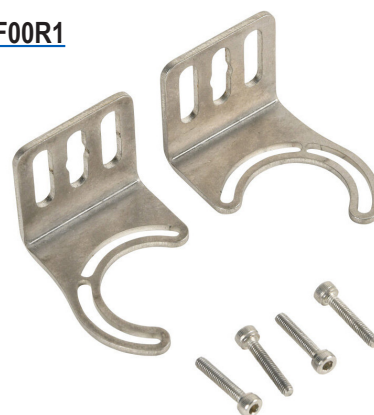
F00G4



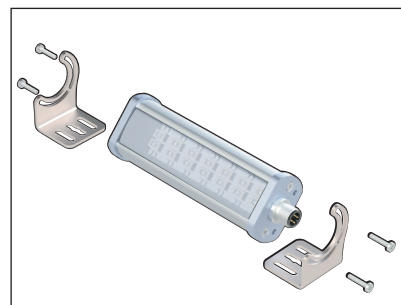
Magnetic mounting



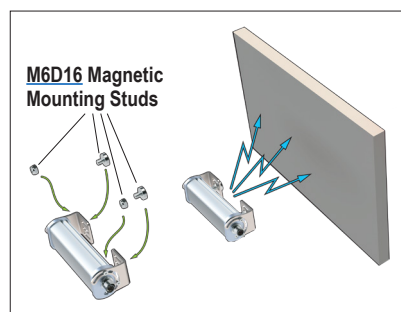
F00R1



Adjustable mounting



OR



Lumher Magnetic Mounting Option Selection Guide

Part Number	Price	Material	Description	Fits	Drawings
M6D16	\$15.50	Stainless steel	Magnet with M6 stud and lock nut	F00R1 P00R1 , P00R4	PDF

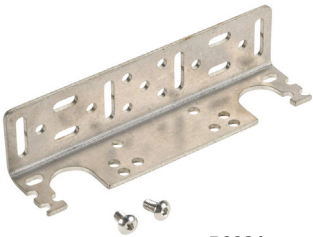


M6D16

Lumher Mounting Accessories
For RD, BS and BD Series Lights

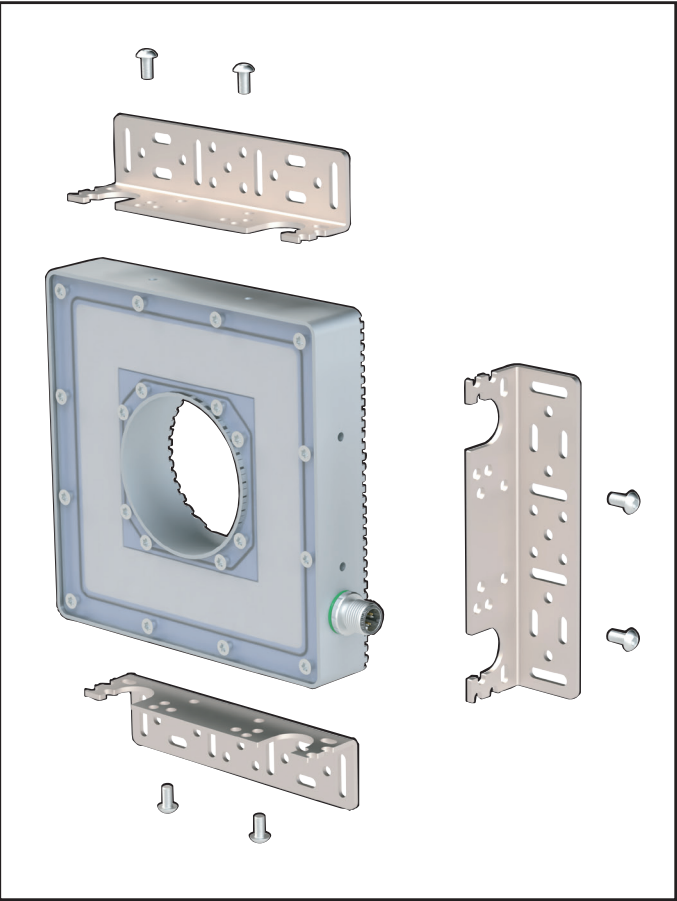
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Lumher RD, BS and BD Series Mounting Bracket Selection Guide				
Part Number	Price	Material	Mounting	Drawings
B00S1	\$16.50	Stainless steel	For mounting lights: Use supplied screws For mounting brackets: Use customer-supplied screws	PDF

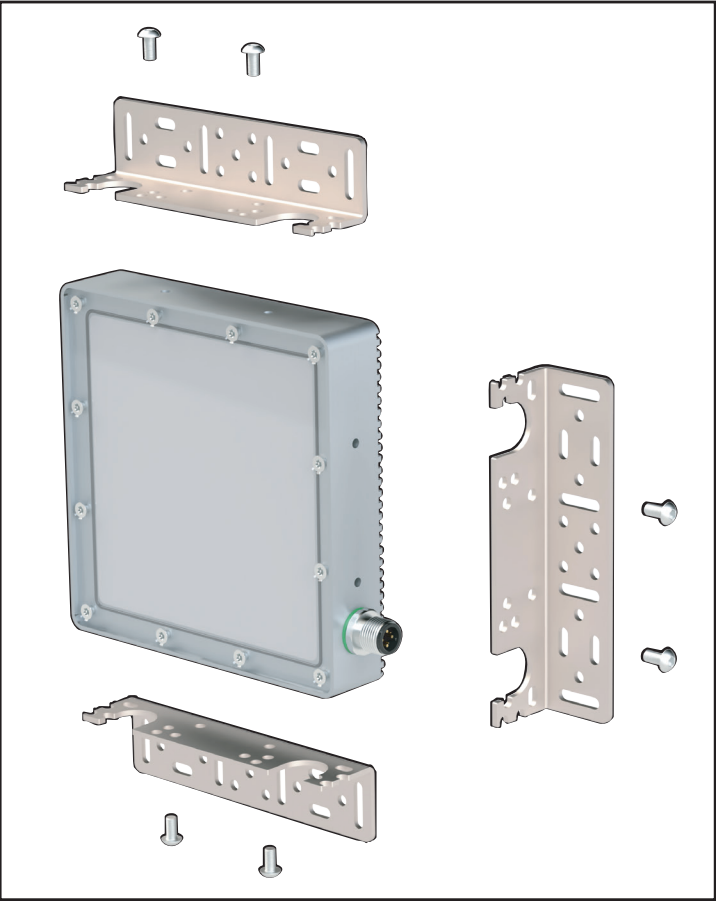


[B00S1](#)

Mounting Assembly for B00S1 With RD Series Light



Mounting Assembly for B00S1 With BS or BD Series Light



Lumher Vision Lighting Bar Light (PD Series)

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**PD02PD5CY**

Lumher's PD Series of machine vision bar LED lights provides high-powered and uniform illumination over the entire length of the bar light, ensuring uniform lighting conditions for machine vision systems.

Features

- IP65
- Integrated controller
- Continuous only or strobe-capable models available
- Available in white, red or infrared
- Semi-diffused or ultra-diffused illumination options available

Lumher PD Series Vision Lighting Bar Light Selection Guide

Part Number	Price	Light Emission	LED Length (mm [in])	Diffuser	Mode of Operation	Drawings
PD01PD5CY	\$226.00	White (5000K)	90 [3.54]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
PD02PD5CY	\$257.00	White (5000K)	180 [7.09]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
PD04PD5CY	\$321.00	White (5000K)	360 [14.17]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
PD05PD5CY	\$353.00	White (5000K)	450 [17.72]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
PD07PD5CY	\$419.00	White (5000K)	630 [24.80]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
PD01ZD5CY	\$439.00	White (5000K)	90 [3.54]	Semi-diffused ($\pm 30^\circ$)	Strobe-capable	PDF
PD02ZD5CY	\$346.00	White (5000K)	180 [7.09]	Semi-diffused ($\pm 30^\circ$)	Strobe-capable	PDF
PD04ZD5CY	\$439.00	White (5000K)	360 [14.17]	Semi-diffused ($\pm 30^\circ$)	Strobe-capable	PDF
PD05ZD5CY	\$566.00	White (5000K)	450 [17.72]	Semi-diffused ($\pm 30^\circ$)	Strobe-capable	PDF
PD07ZD5CY	\$631.00	White (5000K)	630 [24.80]	Semi-diffused ($\pm 30^\circ$)	Strobe-capable	PDF
PD01ZD5UY	\$439.00	White (5000K)	90 [3.54]	Ultra-diffused ($\pm 55^\circ$)	Strobe-capable	PDF
PD02ZD5UY	\$470.00	White (5000K)	180 [7.09]	Ultra-diffused ($\pm 55^\circ$)	Strobe-capable	PDF
PD04ZD5UY	\$534.00	White (5000K)	360 [14.17]	Ultra-diffused ($\pm 55^\circ$)	Strobe-capable	PDF
PD05ZD5UY	\$566.00	White (5000K)	450 [17.72]	Ultra-diffused ($\pm 55^\circ$)	Strobe-capable	PDF
PD07ZD5UY	\$631.00	White (5000K)	630 [24.80]	Ultra-diffused ($\pm 55^\circ$)	Strobe-capable	PDF
PD04ZR5CY	\$575.00	Red (625nm)	360 [14.17]	Semi-diffused ($\pm 30^\circ$)	Strobe-capable	PDF
PD05ZR5CY	\$617.00	Red (625nm)	450 [17.72]	Semi-diffused ($\pm 30^\circ$)	Strobe-capable	PDF
PD01PF5CY	\$231.00	Infrared (850nm)	90 [3.54]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
PD02PF5CY	\$268.00	Infrared (850nm)	180 [7.09]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
PD04PF5CY	\$342.00	Infrared (850nm)	360 [14.17]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
PD05PF5CY	\$378.00	Infrared (850nm)	450 [17.72]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
PD07PF5CY	\$455.00	Infrared (850nm)	630 [24.80]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF

24 V
DC

IP65

M12A

MACHINE VISION

CONTINUOUS 1x
STROBE 4x

INTEGRATED
CONTROLLER

SEMIDIFFUSE
60°

ULTRADIFFUSE
110°

MADE IN SPAIN

Lumher Vision Lighting Bar Light (PD Series)

lumher

Lumher PD Series Vision Lighting Bar Light Specifications

	Continuous Mode	Strobe Mode
Strobe Input	–	PNP: More than 22V for ON; Less than 1V for OFF NPN: Less than 1V for ON; More than 23V for OFF
Overdrive	No	Yes
Strobe Conditions (ON time, duty cycle)	–	For first 10ms, 4X normal brightness; then normal brightness. To re-engage strobe, LEDs must be off for at least 50ms.
Maximum Rising Time	3μs	
Maximum Falling Time	3μs	
Connection	M12 A-coded 4-pole connector	
Consumption	White: 1.9 W per 90mm [3.54 in] Red: 1.9 W per 90mm [3.54 in] Infrared: 1.0 W per 90mm [3.54 in]	White: 7.6 W per 90mm [3.54 in] Red: 7.6 W per 90mm [3.54 in]
Minimum Functioning Voltage	22.8 VDC	
Normal Functioning Voltage	24VDC ±5%	
Maximum Functioning Voltage	25.2 VDC	
Maximum Consumption Strobe Signal	–	1.5 mA
Maximum Strobe Duty Cycle	–	16%
Operating Temperature	-10°C to 40°C [14°F to 104°F]	
Operating Maximum Humidity	80% without condensation	
Weight	49g [0.11 lb] plus 48g [0.11 lb] per 90mm [3.54 in]	
Materials	Body: Anodized aluminum Side cover: Anodized Aluminum Diffuser: Polycarbonate	
Storage Temperature	0°C to 60°C [32°F to 140°F]	
Lifespan of LEDs (ON time)	6.8 years	
IP Protection	IP65	

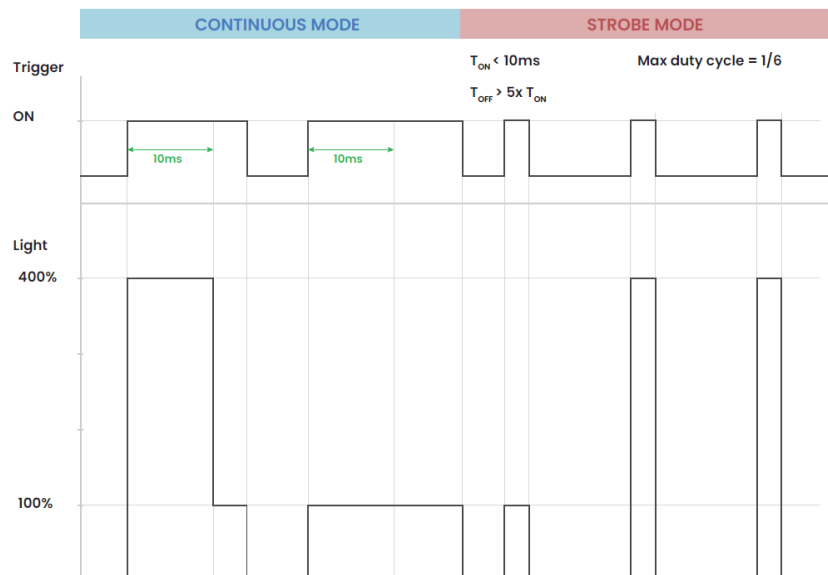
Connections

M12 A-Coded Connections		
Pin Number and Wire Color	Continuous-Only Models	Strobe-Capable Models
Pin 1 – Brown	+24VDC	+24VDC
Pin 2 – White	Not Connected	Trigger NPN
Pin 3 – Blue	0VDC	0VDC
Pin 4 – Black	Not connected	Trigger PNP

M12 A-Coded Male Connector



Timing Chart



Lumher Vision Lighting High-Power Bar Light (FD Series)

lumher



FD04PD5CY

Lumher's FD Series has a larger dissipation surface and emits twice the light output of the PD series. The linear FD series is an excellent choice for demanding applications where maximum illumination is required

Features

- IP65
- Integrated controller
- Built-in current protection
- Continuous high-brightness mode

Lumher FD Series Vision Lighting High-Power Bar Light Selection Guide


Part Number	Price	Light Emission	LED Length (mm [in])	Diffuser	Mode of Operation	Drawings
<u>FD01PD5CY</u>	\$248.00	White (5000K)	90 [3.54]	Semi-diffused ($\pm 30^\circ$)	Continuous only	<u>PDF</u>
<u>FD02PD5CY</u>	\$285.00	White (5000K)	180 [7.09]	Semi-diffused ($\pm 30^\circ$)	Continuous only	<u>PDF</u>
<u>FD04PD5CY</u>	\$357.00	White (5000K)	360 [14.17]	Semi-diffused ($\pm 30^\circ$)	Continuous only	<u>PDF</u>
<u>FD05PD5CY</u>	\$394.00	White (5000K)	450 [17.72]	Semi-diffused ($\pm 30^\circ$)	Continuous only	<u>PDF</u>
<u>FD07PD5CY</u>	\$469.00	White (5000K)	630 [24.80]	Semi-diffused ($\pm 30^\circ$)	Continuous only	<u>PDF</u>

24 V
DC

IP65


M12A


MACHINE VISION

INTEGRATED

CONTROLLER


SEMI-DIFFUSE
60°


MADE IN SPAIN

Lumher Vision Lighting High-Power Bar Light (FD Series)

lumher

Lumher FD Series Vision Lighting High-Power Bar Light Specifications	
	Continuous Mode
Strobe Input	–
Overdrive	No
Strobe Conditions (ON time, duty cycle)	–
Maximum Rising Time	3µs
Maximum Falling Time	3µs
Connection	M12 A-coded 4-pole connector
Consumption	White: 3.8 W per 90mm [3.54 in]
Minimum Functioning Voltage	22.8 VDC
Normal Functioning Voltage	24VDC ±5%
Maximum Functioning Voltage	25.2 VDC
Maximum Consumption Strobe Signal	–
Maximum Strobe Duty Cycle	–
Operating Temperature	-10°C to 40°C [14°F to 104°F]
Operating Maximum Humidity	80% without condensation
Weight	64g [0.14 lb] plus 192g [0.42 lb] per 90mm [3.54 in]
Materials	Body: Anodized aluminum Side cover: Anodized Aluminum Diffuser: Polycarbonate
Storage Temperature	0°C to 60°C [32°F to 140°F]
Lifespan of LEDs (ON time)	6.8 years
IP Protection	IP65

Connections

M12 A-Coded Connections	
Pin Number and Wire Color	Continuous-Only Models
Pin 1 – Brown	+24VDC
Pin 2 – White	Not Connected
Pin 3 – Blue	0VDC
Pin 4 – Black	Not connected

M12 A-Coded Male Connector



Lumher Backlight Lighting (BD Series)

lumher



BD2PD5CY

Lumher's BD (or backlight) Series combines mechanical design, robustness and homogeneity to achieve optimum results in your machine vision projects.

These backlights provide flicker-free illumination while preserving the luminous flux throughout the life of the product.

Optional mounting accessories allow these backlights to be installed at an angle of either 0° or 90°.

The product is made of anodized aluminium with IP65 watertightness and is available in two sizes.

Features

- Robust aluminum body
- IP65
- Integrated controller
- Continuous only or strobe-capable models available

Lumher BD Series Backlight Lighting Selection Guide

Part Number	Price	Light Emission	Illumination Area (mm [in])	Diffuser	Mode of Operation	Drawings
<u>BD1PD5CY</u>	\$716.00	White (5000K)	100 x 100 [3.94 x 3.94]	Semi-diffused ($\pm 30^\circ$)	Continuous only	<u>PDF</u>
<u>BD2PD5CY</u>	\$992.00	White (5000K)	100 x 190 [3.94 x 7.48]	Semi-diffused ($\pm 30^\circ$)	Continuous only	<u>PDF</u>
<u>BD1ZD5CY</u>	\$924.00	White (5000K)	100 x 100 [3.94 x 3.94]	Semi-diffused ($\pm 30^\circ$)	Strobe-capable	<u>PDF</u>
<u>BD2ZD5CY</u>	\$1,200.00	White (5000K)	100 x 190 [3.94 x 7.48]	Semi-diffused ($\pm 30^\circ$)	Strobe-capable	<u>PDF</u>

24 V
DC

IP65


M12A


MACHINE VISION

CONTINUOUS 1x
STROBE 4x

INTEGRATED

CONTROLLER


SEMI-DIFFUSE
60°


MADE IN SPAIN

Lumher Backlight Lighting (BD Series)

lumher

Lumher BD Series Backlight Lighting Specifications

	Continuous Mode	Strobe Mode
Strobe Input	–	PNP: More than 22V for ON; Less than 1V for OFF NPN: Less than 1V for ON; More than 23V for OFF
Overdrive	No	Yes
Strobe Conditions (ON time, duty cycle)	–	For first 10ms, 4X normal brightness; then normal brightness. To re-engage strobe, LEDs must be off for at least 50ms.
Maximum Rising Time	3μs	
Maximum Falling Time	3μs	
Connection	M12 A-coded 4-pole connector	
Consumption	BD1 models: White: 7W BD2 models: White: 14W	BD1 models: White: 28W BD2 models: White: 56W
Minimum Functioning Voltage	22.8 VDC	
Normal Functioning Voltage	24VDC ±5%	
Maximum Functioning Voltage	25.2 VDC	
Maximum Consumption Strobe Signal	–	1.5 mA
Maximum Strobe Duty Cycle	–	16%
Operating Temperature	-10°C to 40°C [14°F to 104°F]	
Operating Maximum Humidity	80% without condensation	
Weight	BD1 models: 500g [1.10 lb] BD2 models: 796g [1.75 lb]	
Materials	Body: Anodized aluminum Side cover: Anodized Aluminum Diffuser: Polycarbonate	
Storage Temperature	0°C to 60°C [32°F to 140°F]	
Lifespan of LEDs (ON time)	6.8 years	
IP Protection	IP65	

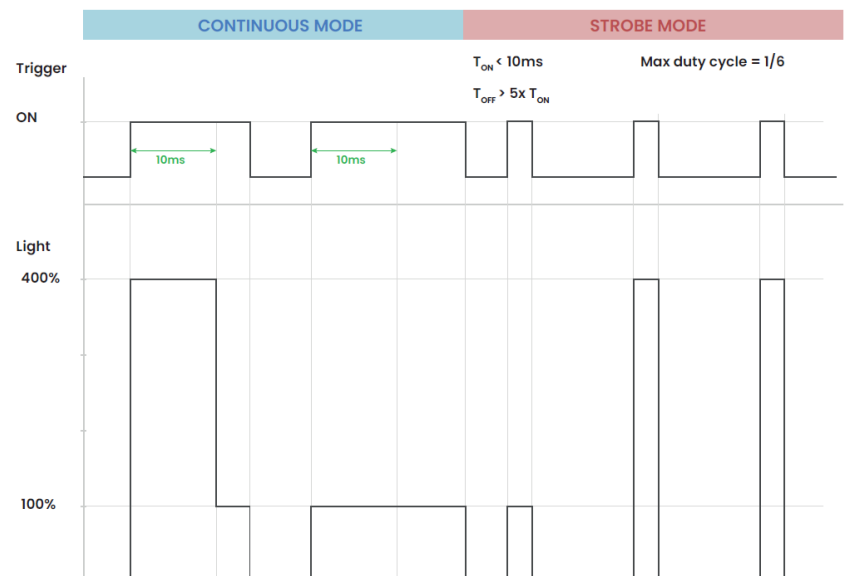
Connections

M12 A-Coded Connections		
Pin Number and Wire Color	Continuous-Only Models	Strobe-Capable Models
Pin 1 – Brown	+24VDC	+24VDC
Pin 2 – White	Not Connected	Trigger NPN
Pin 3 – Blue	0VDC	0VDC
Pin 4 – Black	Not connected	Trigger PNP

M12 A-Coded Male Connector

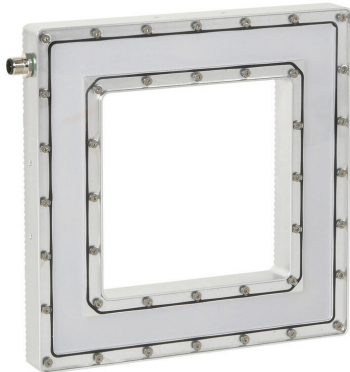


Timing Chart



Lumher Ring Lighting (RD Series)

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**RD2PD5CY****RD1PD5CY**

Lumher's RD Series of ring lights provides an exceptionally durable and robust solution when direct illumination is required. The RD Series lights are built in a one-piece anodized aluminum frame. Thanks to the compact and versatile form factors of the lights, the illumination they provide facilitates precise object detection, tracking, and inspection. This makes them ideal for applications requiring reliable and comprehensive visual analysis in industrial and automation environments.

This type of light fixture is widely used in robotics, where (because the robot is in motion) it is recommended that lighting devices have the smallest possible dimensions to avoid possible mechanical interference. Such lighting is also recommended for certain production lines, where limited space calls for the use of compact lighting.

Features

- Robust aluminum body
- IP65
- Integrated controller
- Available in compact or extended size
- Continuous only or strobe-capable models available
- Semi-diffused or ultra-diffused illumination options available

Lumher RD Series Ring Lighting Selection Guide

Part Number	Price	Light Emission	Inside Dimension (mm [in])	Diffuser	Mode of Operation	Drawings
RD1PD5CY	\$615.00	White (5000K)	59 [2.32] diameter	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
RD2PD5CY	\$884.00	White (5000K)	135 x 135 [5.31 x 5.31]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
RD1ZD5CY	\$823.00	White (5000K)	59 [2.32] diameter	Semi-diffused ($\pm 30^\circ$)	Strobe-capable	PDF
RD2ZD5CY	\$1,093.00	White (5000K)	135 x 135 [5.31 x 5.31]	Semi-diffused ($\pm 30^\circ$)	Strobe-capable	PDF
RD1ZD5UY	\$823.00	White (5000K)	59 [2.32] diameter	Ultra-diffused ($\pm 55^\circ$)	Strobe-capable	PDF
RD2ZD5UY	\$1,093.00	White (5000K)	135 x 135 [5.31 x 5.31]	Ultra-diffused ($\pm 55^\circ$)	Strobe-capable	PDF
RD1PF5CY	\$635.00	Infrared (850nm)	59 [2.32] diameter	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF
RD2PF5CY	\$925.00	Infrared (850nm)	135 x 135 [5.31 x 5.31]	Semi-diffused ($\pm 30^\circ$)	Continuous only	PDF

24 V
DC

IP65


M12A


MACHINE VISION

CONTINUOUS 1x
STROBE 4x

INTEGRATED

CONTROLLER


SEMI-DIFFUSE
60°


ULTRA-DIFFUSE
110°


MADE IN SPAIN

Lumher Ring Lighting (RD Series)

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Lumher RD Series Ring Lighting Specifications

	Continuous Mode	Strobe Mode
Strobe Input	–	PNP: More than 22V for ON; Less than 1V for OFF NPN: Less than 1V for ON; More than 23V for OFF
Overdrive	No	Yes
Strobe Conditions (ON time, duty cycle)	–	For first 10ms, 4X normal brightness; then normal brightness. To re-engage strobe, LEDs must be off for at least 50ms.
Maximum Rising Time	3μs	
Maximum Falling Time	3μs	
Connection	M12 A-coded 4-pole connector	
Consumption	RD1 models: White: 7.6 W RD2 models: White: 15.2 W RD1 models: Infrared: 4.0 W RD2 models: Infrared: 8.0 W	RD1 models: White: 30.4 W RD2 models: White: 60.8 W
Minimum Functioning Voltage	22.8 VDC	
Normal Functioning Voltage	24VDC ±5%	
Maximum Functioning Voltage	25.2 VDC	
Maximum Consumption Strobe Signal	–	1.5 mA
Maximum Strobe Duty Cycle	–	16%
Operating Temperature	-10°C to 40°C [14°F to 104°F]	
Operating Maximum Humidity	80% without condensation	
Weight	RD1: 0.615 kg [1.36 lb] RD2: 1.276 kg [2.81 lb]	
Materials	Body: Anodized aluminum Side cover: Anodized Aluminum Diffuser: Polycarbonate	
Storage Temperature	0°C to 60°C [32°F to 140°F]	
Lifespan of LEDs (ON time)	6.8 years	
IP Protection	IP65	

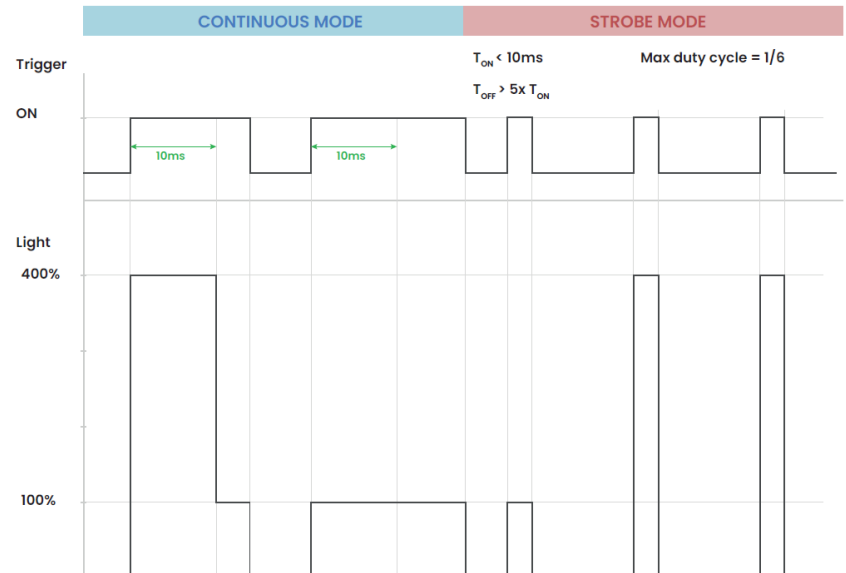
Connections

M12 A-Coded Connections		
Pin Number and Wire Color	Continuous-Only Models	Strobe-Capable Models
Pin 1 – Brown	+24VDC	+24VDC
Pin 2 – White	Not Connected	Trigger NPN
Pin 3 – Blue	0VDC	0VDC
Pin 4 – Black	Not connected	Trigger PNP

M12 A-Coded Male Connector



Timing Chart



Lumher Spot Lighting
(BS Series)

lumher



Lumher’s BS Series provides an exceptionally durable and robust solution when focused or directional lighting is required. These lights are especially recommended for projects where the target surface is at a considerable distance from the camera. Fabricated from anodized aluminum, these lights provide IP65 protection.

- Features
- Robust aluminum body
 - IP65
 - Integrated controller
 - Continuous only or strobe-capable models available

Lumher BS Series Spot Lighting Selection Guide						
Part Number	Price	Light Emission	Housing Size (mm [in])	Diffuser	Mode of Operation	Drawings
BS1PD5QY	\$773.00	White (5000K)	125 x 125 x 25 [4.92 x 4.92 x 0.98]	Spot (±3°)	Continuous only	PDF
BS1ZD5QY	\$981.00	White (5000K)	125 x 125 x 25 [4.92 x 4.92 x 0.98]	Spot (±3°)	Strobe-capable	PDF

24 V
DC

IP65

M12A

MACHINE VISION

CONTINUOUS 1x
STROBE 3x

INTEGRATED
CONTROLLER

MADE IN SPAIN

Lumher Spot Lighting (BS Series)

lumher

Lumher BS Series Spot Lighting Specifications

	Continuous Mode	Strobe Mode
Strobe Input	–	PNP: More than 22V for ON; Less than 1V for OFF NPN: Less than 1V for ON; More than 23V for OFF
Overdrive	No	Yes
Strobe Conditions (ON time, duty cycle)	–	For first 50ms, 3X normal brightness; then normal brightness. To re-engage strobe, LEDs must be off for at least 150ms.
Maximum Rising Time	3μs	
Maximum Falling Time	3μs	
Connection	M12 A-coded 4-pole connector	
Consumption	11.5 W	48.0 W
Minimum Functioning Voltage	22.8 VDC	
Normal Functioning Voltage	24VDC ±5%	
Maximum Functioning Voltage	25.2 VDC	
Maximum Consumption Strobe Signal	–	1.5 mA
Maximum Strobe Duty Cycle	–	25%
Operating Temperature	-10°C to 40°C [14°F to 104°F]	
Operating Maximum Humidity	80% without condensation	
Weight	0.5 kg [1.1 lb]	
Materials	Body: Anodized aluminum Side cover: Anodized Aluminum Diffuser: Polycarbonate	
Storage Temperature	0°C to 60°C [32°F to 140°F]	
Lifespan of LEDs (ON time)	6.8 years	
IP Protection	IP65	

Connections

M12 A-Coded Connections		
Pin Number and Wire Color	Continuous-Only Models	Strobe-Capable Models
Pin 1 – Brown	+24VDC	+24VDC
Pin 2 – White	Not Connected	Trigger NPN
Pin 3 – Blue	0VDC	0VDC
Pin 4 – Black	Not connected	Trigger PNP

M12 A-Coded Male Connector



Timing Chart

