
vicolux® Dome Light - D-CLR-84x24-W5K7-P-SL

Short description: dome light, white, P-LED, If diam.: 84 mm,
camera-view: 24 mm, smart light

Order number: 1-32-800

EAN: 4251692650134



Characteristics

- very flat, power LED dome light
 - extremely diffuse, shadow-free illumination
 - safe operation due to vicolux® smart light Controller (e.g. DLC3005)
 - connection: M8 plug on the casing
 - metal casing
 - multiple mounting options
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Technical data

Luminous field	Aussen Ø 84 mm, Innen Ø 24 mm
Light colour	White, 5700 K
Special feature	Flashable with flash controller
Degree of protection	IP67
Safety class	III, operation on protective low voltage
Risk group	Risk group 0 (exempt group)
Ambient temperature	-10°C to +55°C
Housing material	Aluminium anodised
Weight	325 g
Continuous operation	
• Power consumption	21.5 W
• Irradiance	590 W/m ²
Flash mode	
• Power consumption	21.5 W
• Irradiance	1900 W/m ²

Can be combined with

Order number	Title	Description
LED Controller DLC3005		
1-30-202	DLC3005	LED lighting controller, digital, cont./flash current: 4.8A/18A, wall mounting
1-30-209	DLC3005-R	LED lighting controller, digital, cont./flash current: 4.8A/18A, DIN rail mounting

Accessories for Dome lights - D-CLR-84x24-W5K7-P-SL

Order number	Title	Description
Beam splitter STE30x30		
1-32-250	Adapter STE30x30 - SFD, D-CRL	Attachment of the STE30x30 to SFD30/9 and D-CRL-60x18 and also SFD42/12 and D-CRL-84x24
Beam splitter STE60x60		
1-32-350	Adapter STE60x60 - SFD, D-CRL	Attachment of the STE60x60 to SFD42/12 and to D-CRL-84x24
Connection cable M8-4pin		
1-11-611	Cable-M8-4p-5A-straight-1m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-612	Cable-M8-4p-5A-straight-2m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-613	Cable-M8-4p-5A-straight-3m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-614	Cable-M8-4p-5A-straight-5m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-609	Cable-M8-4p-4A-straight-5m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-605	Cable-M8-4p-4A-angled-2m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
1-11-604	Cable-M8-4p-4A-angled-5m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
Extension cable M8-4pin		

Order number	Title	Description
1-11-093	Extension cable-M8-4p-5A-0.6m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug
1-11-094	Extension cable-M8-4p-5A-1.5m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug
1-11-095	Extension cable-M8-4p-5A-3.0m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug

Technical drawing of the camera module showing three views: front, side, and top.

Front View (Left): Shows the circular face of the module. Dimensions include overall width 105, overall height 84, and a central circular area with diameter $\phi 74$. There are 12 mounting holes arranged in a circle with a diameter of 84. The distance from the center to the mounting holes is 58. The distance from the center to the bottom mounting holes is 25. The bottom mounting holes are labeled "12x M2 depth 6". The top mounting holes are labeled "4x M4 depth 6". The bottom mounting holes are also labeled "4x M4 depth 6". The top mounting holes are also labeled "4x M4 depth 6".

Side View (Middle): Shows the profile of the module. Dimensions include a total height of 32.9, a mounting flange height of 15, and a mounting flange thickness of 9. The distance from the mounting flange to the bottom mounting holes is 25. The bottom mounting holes are labeled "M8 connector".

Top View (Right): Shows the circular face of the module from the top. Dimensions include overall width 105, overall height 84, and a central circular area with diameter $\phi 74$. There are 12 mounting holes arranged in a circle with a diameter of 84. The distance from the center to the mounting holes is 58. The distance from the center to the bottom mounting holes is 25. The bottom mounting holes are labeled "12x M2 depth 6". The top mounting holes are labeled "4x M4 depth 6". The bottom mounting holes are also labeled "4x M4 depth 6". The top mounting holes are also labeled "4x M4 depth 6".

Labels and Dimensions:

- 105 (Overall width)
- 84 (Overall height)
- 84 (Mounting holes circle diameter)
- 58 (Distance from center to mounting holes)
- 25 (Distance from center to bottom mounting holes)
- 12x M2 depth 6 (Bottom mounting holes)
- 4x M4 depth 6 (Top mounting holes)
- 4x M4 depth 6 (Bottom mounting holes)
- 4x M4 depth 6 (Top mounting holes)
- 32.9 (Total height)
- 15 (Mounting flange height)
- 9 (Mounting flange thickness)
- 25 (Distance from mounting flange to bottom mounting holes)
- M8 connector (Bottom mounting holes)
- luminous field (Top view label)
- window for camera view (Top view label)
- $\phi 25$ (Top view label)
- $\phi 84$ (Top view label)
- $\phi 110$ (Top view label)
- 56.2 (Top view label)
- 13 (Top view label)
- 16 (Top view label)
- 8 (Top view label)
- 2x M4 depth 6 (Top view label)

The diagram illustrates the Vicolux smart light module, which is a circular device with four pins and four internal LEDs. The pins are labeled as follows:

- 1 BN: + I_{LED}
- 2 WH: BD
- 4 BK: BG
- 3 BU: - I_{LED}

The internal components include four LEDs and a central control unit. The LEDs are labeled as follows:

- 1: LED-anode
- 2: BD (Data channel for vicolux® smart light ¹⁾)
- 3: LED-cathode
- 4: BG (Data channel for vicolux® smart light ¹⁾)

¹⁾ Only use with vicolux® smart light lighting controllers.)

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