

PRY SERIES

Direct lights projectors




























Large punctual light high power projector, used to illuminate non-reflecting objects. This system produces great contrast and emphasizes textures, relieves and fissures that the lighted object could have due to the fact that any relief, even the smallest one, produces a shadow.

► Technical specifications¹

| Lighting model | PRY0504A | PRY0906A | PRY1609A |
|---|--|---|---|
|  |  |  |  |
| Dimensions | 47x56x18 | 101x114x22 | 128x198x22 |
| Active surface | 43x45 | 68x86 | 158x86 |
| RWD (mm) | >50 | >50 | >50 |
| Weight | 70g | 375g | 805g |
| IP rating | IP40 | IP40 | IP40 |
| Mounting holes | (x4)M3x5 | (x4)M4x6 | (x9)M4x6 |
| Connection | 2P male chassis connector PIN 1 = +24V ±3% PIN 2 = 0V | 2P male chassis connector PIN 1 = +24V ±3% PIN 2 = 0V | 2P male chassis connector PIN 1 = +24V ±3% PIN 2 = 0V |
| Power cable (Not-included) | VCB Series | VCB Series | VCB Series |
| Modifiers ² |  | N/A | N/A |
| Accessories ³ |  |  |  |
| iBlueDrive tech. | inline | Built-in | Built-in |
| iBlueDrive connection | 3P aerial male inline connector. L= 715mm. PIN 1 = +24V ±8% PIN 2 = 0V PIN 3 = Control ⁴ | 3P male chassis connector PIN 1 = +24V ±8% PIN 2 = 0V PIN 3 = Control ⁴ | 3P male chassis connector PIN 1 = +24V ±8% PIN 2 = 0V PIN 3 = Control ⁴ |
| iBlueDrive power cable (Not-included) | VCC Series | VCC Series | VCC Series |
| iBlueDrive accessories ³ |  |  |  |

► Instantaneous consumption⁵ (max.)

*WT

| Lighting model | | PRY0504A | PRY0906A | PRY1609A | |
|--|---|----------------|----------------|---------------|-------|
| TYPE C 24VDC |  | N/A | 6.4W | 14W | -470C |
| |  | 1.7W | 3.4W | 7.6W | -525C |
| |  | 2.6W | 6.4W | 14W | -630C |
| |  | 2.8W | 6.4W | 14W | -850C |
| TYPE P 24VDC D _{max} = 1/2 Ton max= 60s |  | 3.1W | 8.4W | 19W | -365P |
| |  | 3.1W | 8.4W | 19W | -400P |
| |  | 4.2W | N/A | N/A | -470P |
| |  | 1.7W | N/A | N/A | -525P |
| |  | 4.2W | 8.4W | 19W | -W00P |
| |  | 4.2W | 8.4W | 19W | -W00P |
| TYPE S D _{max} = 1/20 Ton max= 2ms |  | 705mA/17W | 1410mA/34W | 3170mA/76W | -365S |
| |  | 705mA/17W | 1410mA/34W | 3170mA/76W | -400S |
| |  | 705mA/17W | 1410mA/34W | 3170mA/76W | -470S |
| |  | 440mA/11W | 880mA/21W | 1980mA/48W | -525S |
| |  | 705mA/17W | 1410mA/34W | 3170mA/76W | -630S |
| |  | 1045mA/25W | 1670mA/40W | 3760mA/90W | -850S |
| |  | 705mA/17W | 1410mA/34W | 3170mA/76W | -W00S |
| |  | 705mA/17W | 1410mA/34W | 3170mA/76W | -W00S |
| TYPE i ⁶  |  | 2.8W[20W/2.4W] | 5.1W[31W/3.6W] | 11W[48W/7.4W] | -365i |
| |  | 4.3W[20W/2.4W] | 8.2W[39W/4.3W] | 18W[48W/9.1W] | -400i |
| |  | 3.9W[20W/2.8W] | 7.4W[39W/5.1W] | 16W[48W/11W] | -470i |
| |  | 3.4W[10W/2W] | 6.2W[20W/3.6W] | 13W[44W/7.4W] | -525i |
| |  | 6.2W[20W/4.3W] | 12W[39W/6.2W] | 26W[48W/13W] | -630i |
| |  | 7.1W[24W/4.1W] | 11W[39W/6.2W] | 24W[48W/13W] | -850i |
| |  | 4.3W[20W/2.4W] | 8.2W[39W/4.3W] | 18W[87W/9.1W] | -W00i |
| |  | 4.3W[20W/2.4W] | 8.2W[39W/4.3W] | 18W[87W/9.1W] | -W00i |

N/A= Not available CUS = Custom

(1) Environmental specifications and iconography legend in additional annex Z1.4 and Z2 respectively.

(2) Prior to manufacturing optional modifications in standard lighting systems. Please, consult the code before ordering (additional annex Z2.1).

(3) Accessories are not-included. More information in accessories section.

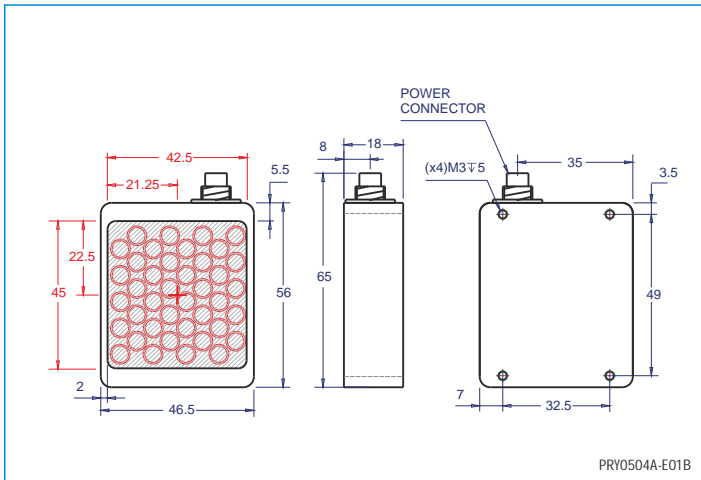
(4) iBlueDrive control input wiring specifications in additional annex Z1.2.

(5) Bear in mind that consumption table is only to be used as a guide. To refer to real values, please, consult product label when purchasing.

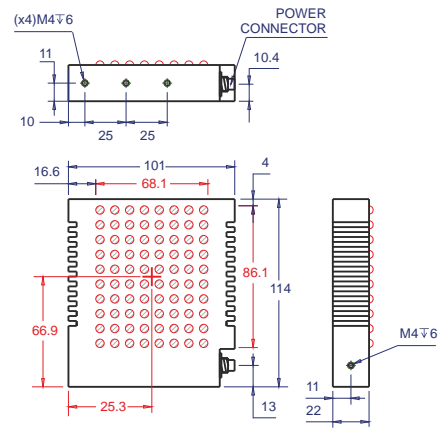
(6) Values of maximum instantaneous consumption of 'Type i' lighting systems in Powered mode [Strobe mode / Continuous mode]



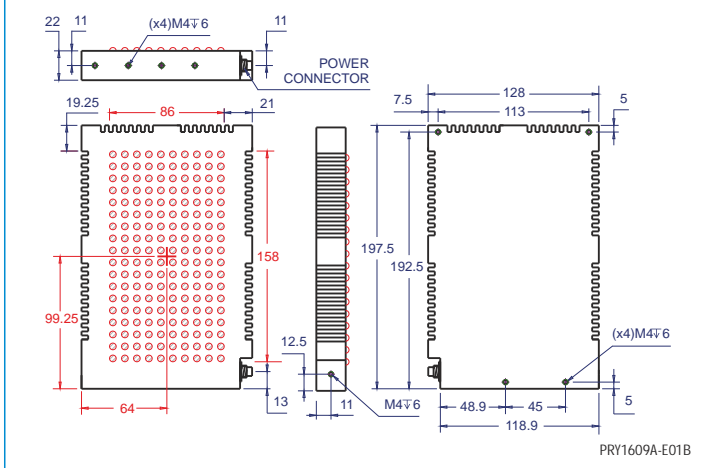
PRY SERIES



PRY0504A-E01B

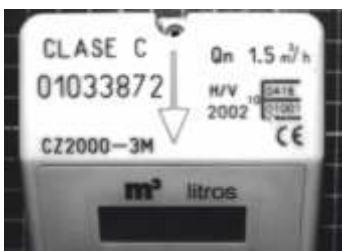


PRY0906A-E01B

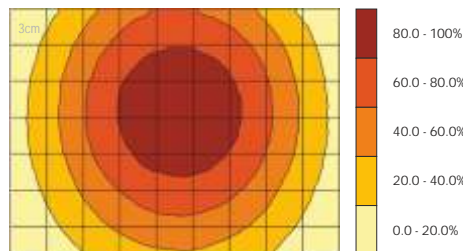


PRY1609A-E01B

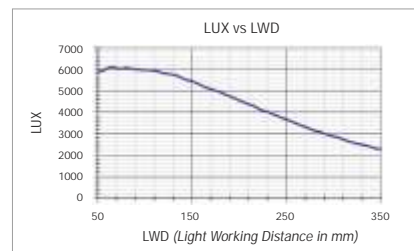
All units in millimeters, if not indicated.



Example of PRY captured image



Brightness distribution of PRY1609A-630C@350mm



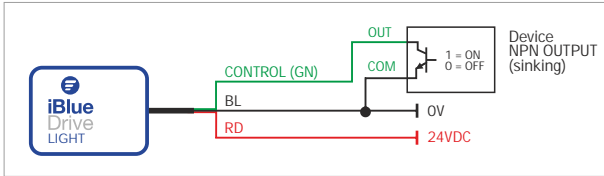
PRY1609A-630C light intensity.



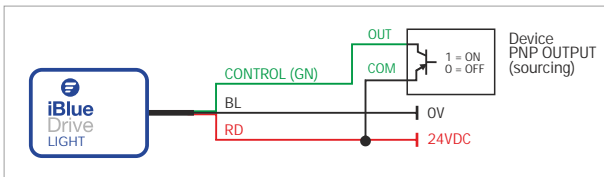
► Z1.2 - iBlueDrive control input wiring

All iBlueDrive products come together with a quick-start guide for connection and working conditions. Refer to iBlueDrive Manual for extended information.

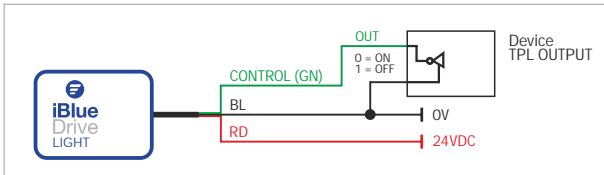
NPN wiring for strobe or ON/OFF mode



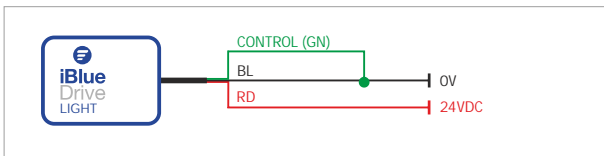
PNP wiring for strobe or ON/OFF mode



TTL wiring for strobe or ON/OFF mode

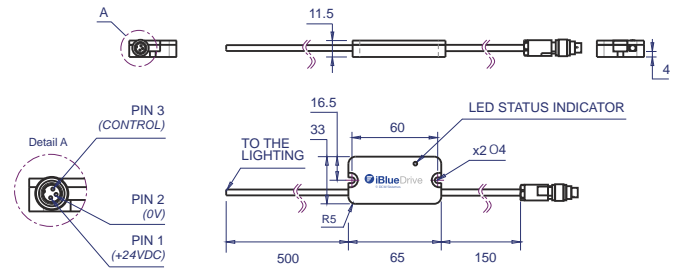


Wiring for continuous mode



► Z1.3 - iBlueDrive inline




iBlueDrive inline is the driver for iBlueDrive technology integrated as a box of 65x33mm to the cable that goes from the lighting system to the connector. It is used when iBlueDrive driver can not be integrated on chassis. See diagram:

















WARNING! In continuous and powered mode, clamp driver to a metal surface for heat dissipation. In Strobe mode is not required, but recommended.















► Z1.4 - Environmental Specifications

| | |
|-------------------------|---|
| Max. Operating Humidity | 85% non-condensing |
| Operating Temperature | 0 - 40°C |
| Storage Temperature | 0 - 60°C |
| Housing material | Anodized aluminium |
| Standards |    |




► Z2.1 - Modifiers legend

| icon | Description | Code |
|---|---|------|
|  | Narrow angle of emission | /AN |
|  | Medium angle of emission (By default) | /AM |
|  | Wide angle of emission | /AW |
|  | Oval angle of emission = 23-24° (x) 17-18° (y) | /AO |
|  | Diffuse emission | /AD |
|  | Polarizer filter | /FPL |
|  | Diffuser filter | /FDR |
|  | Dome hole of 46mm | /CC1 |
|  | Dome hole of 40mm | /CC2 |
|  | IP Rating = IP67 | /67 |
|  | PNP input model | /P |
|  | 50mm focal Length | /F1 |
|  | 150mm focal Length | /F2 |
|  | Infinite focal Length | /F3 |






► Z2.2 - Accessories legend

| icon | Description | Serie |
|---|------------------------------|----------------------|
|  | Power cable/s | VCB, VCC, VCD Series |
|  | Other cable/s | VCU, VCL |
|  | Strobe and RGB controller/s | VST, VSC Series |
|  | Polarizer filter | VPF, VPC |
|  | Diffuser filter | VDF |
|  | Collimater filter on x axis | VCFx |
|  | Collimater filter on y axis | VCFy |
|  | Collimater filter on xy axis | VCFxy |
|  | Darkfield converter | VRF |
|  | Protector filter | VPT |
|  | Heat dissipator | VHD |
|  | Fixing bracket | VBA, VBB, VBC Series |

► Z2.3 - iBlueDrive Accessories legend

| icon | Description | Serie/Product |
|---|---|---------------------------------|
|  | Accessorie to configure iBlueDrive devices: iBlueDrive Box, iBlueDrive USB | VTA0005A, VTA0006A, VTA0007A |
|  | iBlueDrive optocoupler | VTA0020A |
|  | iBlueDrive potentiometer | VTA0030B |








► Z2.4 - Technical drawings legend

| icon | Description |
|---|-----------------------------|
|  | Optical axis |
|  | Viewing window dimensions |
|  | Lighting elements |
|  | Light emission center |
|  | Lighting surface dimensions |




► Z2.5 - Colours & Wavelegths legend

| icon | Wavelength | Colour | Code |
|---|-------------|--------|-----------|
|  | 365nm | UV- | -365 |
|  | 400nm | UV | -400 |
|  | 470nm | BLUE | -470 |
|  | 525nm | GREEN | -525 |
|  | 630nm | RED | -630 |
|  | 850nm/880nm | IR | -850/-880 |
|  | | WHITE | -W00 |
|  | | RGB | -RGB |

► Z2.6 - Types of lighting legend

| icon | Description |
|---|---|
|  | Radial lighting |
|  | 'Darkfield' lighting effect. Low angle illumination |
|  | Backlight illumination |
|  | 'Cloudy day' lighting effect |
|  | 'Bright field' lighting effect |
|  | Projector lighting |
|  | Axial lighting |

► Z2.7 - Types of light legend

| icon | Description |
|---|---------------------|
|  | Direct light |
|  | Diffuse light |
|  | Ultra-diffuse light |