









# PRC SERIES

## COMPACT HIGH-POWERED PROJECTORS





High power LEDs projector specially designed to illuminate big areas with small lights, due to its angle of emission. This system produces great contrast and emphasizes textures, relieves and figures that the lighted object could have because any relief, even the smallest one, produces a shadow.

TECHNICAL DATA		PRC0606B
 DIRECT LIGHT		
DIMENSIONS	75x66x55	
LEDs NUMBER	4	
RWD (mm)	>50	
ANGLE OF EMISSION	Identified as a modifier. /AM angle by default. Select other for changing.	
WEIGHT	375g	
IP RATING	IP50	
MOUNTING HOLES	(x4)M4∅6	
CONNECTION	3P aerial male connector of 150mm. PIN 1 = +24V PIN 2 = 0V PIN 3 = CONTROL <sup>1</sup>	
(cable non-included)		
MODIFIERS <sup>2</sup>	  	
ACCESSORIES <sup>3</sup>	  	
MAX. OPERATING HUMIDITY	85% non-condensing	
OPERATING T°	0 - 40°C	
STORAGE T°	0 - 60°C	
HOUSING MATERIAL	Anodized aluminium	

(1) Extended information of Control Input characteristics in the additional information section, table C1.1.




(2) Angle of emission of the PRC Series projectors. If not indicated, default angle will be /AM. Consult below the code for selecting another angle of emission.







(3) Accessories are non-included. More information in accessories section.

INSTANTANEOUS CONSUMPTION (Max.)		Lighting model*				WT*
		PRC0606B				
TYPE C (24VDC)	 B	10W				-470C
	 G	10W				-525C
	 R	10W				-630C
	 W	10W				-W00C
TYPE P		No type P standard LED lighting systems on this series.				
TYPE S		No type S standard LED lighting systems on this series.				

Take note that consumption table is for guidance. To refer to real values, consult product label when purchasing. | \*ORDER REFERENCE = Lighting model + WT / MODIFIERS

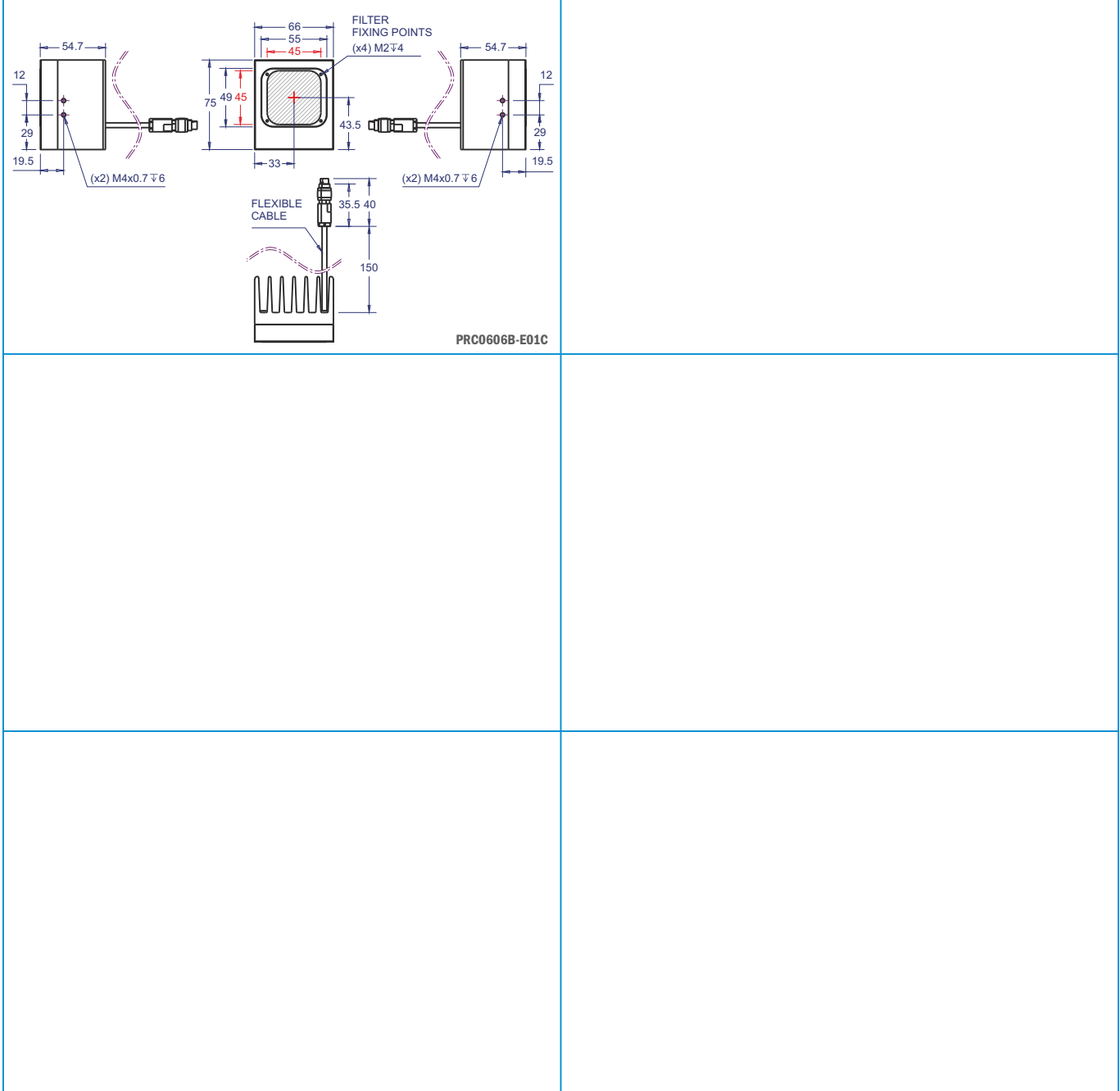
Angles of emission are identified as modifiers. If not indicated, default angle will be /AM. Select another for changing.

-  NARROW ANGLE =18-19°  
/AN
-  MEDIUM ANGLE =25-26°  
/AM
-  WIDE ANGLE =30-32°  
/AW

 UV- (365nm)  UV (400nm)  BLUE (470nm)  GREEN (525nm)  RED (630nm)  IR (880nm)  IR+ (940nm)  WHITE



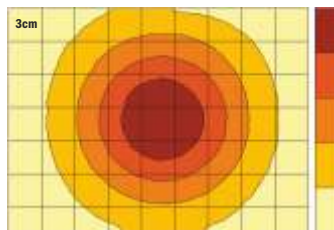
► **TECHNICAL DRAWINGS** (All units in millimeters, if not indicated)



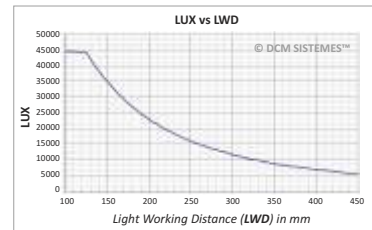
► **ADDITIONAL INFORMATION**



Example of PRC captured image



Brightness distribution of PRC0606B-630C/AN@350mm



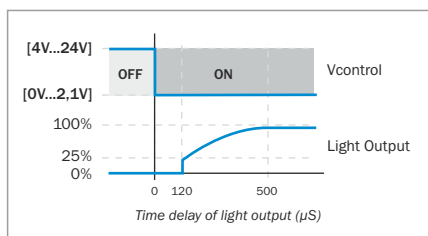
PRC0606B-630C/AN light intensity.



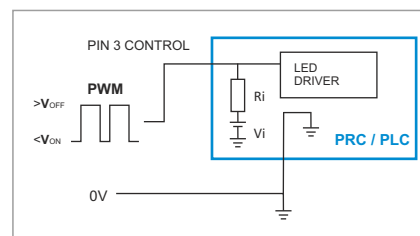
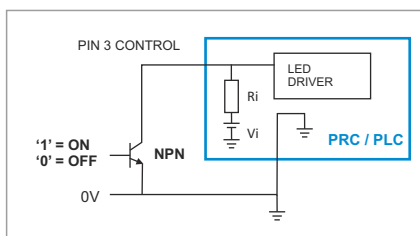
### C1.1. CONTROL INPUT

PLC and PRC Series are monochromatic lamps with control. Here are the control input characteristics for connection.

0V to +2.1V	Light ON
+4V to +24V	Light OFF
DIMMER POWER LIGHT PWM (>7Khz)	Control without flickering



TIME CHART OF LIGHT OUTPUT vs CONTROL SIGNAL



### C1.2. ELECTRICAL CHARACTERISTICS for CONTROL INPUT\*

- Ready to connect directly to a NPN output.
- Delay from OFF to ON State = 500µs.
- Dimmable, regulation with a PWM signal thru ON/OFF input.  
(Recommended frequency of PWM over 7KHz for non-flickering output).
- Bias voltage in control input ( $V_i$ ) = 17V
- Input impedance ( $R_i$ ) = 41,5KOhm
- Duty cycle range of PWM signal applied to Control input between 0 - 0.8
- Light output range with PWM dimmer control from 25% to 100%

\*Working conditions: 25°C,  $V_{IN}$  = 24V