



product introduction

The built in driver on the RM75 Series features the new Multi-Drive™ feature which allows the user to operate the light in constant ON operation or OverDrive depending on wiring method. The industry standard 5 Pin M12 connector makes for simple wiring. The 1-10V analog control line gives the user total control over intensity in the constant ON mode.



product features

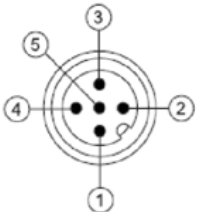


- Multi-Drive™ Built In – No External Wiring To A Driver
- 5 Pin M12 Quick Disconnect Cable
- Over-Current Protection
- PNP and NPN Strobe Input
- Continuous Operation or Strobe Mode



constant ON product specs

Wiring configuration for **CONSTANT ON** operation

	Pin	Function	Signal	Wire Color
	1	Power In	+24VDC	BROWN
	2	NPN	Ground (common)	WHITE
	3	GND	Ground	BLUE
	4	PNP	>4VDC	BLACK
	5	Intensity Control	1-10VDC	GREY

* Some cables use green with yellow stripe for 1-10V adjustment.

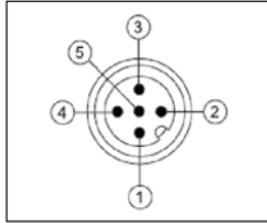
* Either a negative NPN or a positive PNP signal, not both must be applied for light to function.

Electrical Input	24 VDC +/- 5%
Current	Max. 325mA
Wattage	Max. 7.8W
Strobe Input	PNP ▶ +4VDC or greater to activate. NPN ▶ GND (<1VDC) to activate
PNP Line	4mA @ 5VDC 8mA @ 10VDC 15mA @ 24 VDC
NPN Line	10mA @ Common (0VDC)
Continuous Mode	Light will be in continuous mode by leaving signal on strobe input active
Connection	5 pin M12 connector
Lifespan	100,000 hrs
IP Rating	IP50
Certification	CE and RoHS certified



Wiring configuration for OverDrive operation

Pin	Function	Signal	Wire Color
1	Power In	+24VDC	BROWN
2	NPN	Ground (common)	WHITE
3	GND	Ground	BLUE
4	PNP	> 4VDC	BLACK
5	OverDrive Signal	Ground	GREY



Electrical Input	24 VDC +/- 5%
Current	Max. 3.25A
Wattage	Max. 78W
Strobe Input	PNP ▶ +4VDC or greater to activate NPN ▶ GND (<1VDC) to activate 5µS LED activation time
PNP Line	4mA @ 5VDC 8mA @ 10VDC 15mA @ 24 VDC
NPN Line	10mA @ Common (0VDC)
OverDrive Mode	Connect Pin 5 to GND (more info. in wiring configuration)
Duty Cycle	Max.10%
Strobe Duration	Max. 125mS
Connection	5 pin M12 connector
Ambient Temperature	-40° - 50° C (-40° - 122° F)
IP Rating	IP65



product number key

RM75 – XXX

Product Family:
Small Ring
RM75 Series

Color:
470 - Blue
530 - Green
625 - Red
WHI - White

—» Part Number Key

CE and RoHS Compliant



warnings



Attention

Please note that the power requirements are 325mA at 24VDC for constant ON and 3.25A for OverDrive. Failure to supply light with correct current will result in non-repeatable lighting. Contact Smart Vision Lights for more information.



mounting & accessories



Mounting options include four T-slots & four M4 threaded holes.

Hardware includes:

- (2) M4x16 screws
- (2) M4 nylon nuts

