



product introduction

The SC75 Series of Brick Lights is a more basic version of the S75 Brick Light. It features an integrated constant current driver built into the light. It eliminates the need for any external components in the lighting system. SC75 Series Linear Lights utilize 24VDC and can operate in continuous or strobe mode. NPN or PNP strobe triggers can be used to control the pulse of the light. Available in standard narrow, wide, and line optics with options for all standard and some custom wavelengths.



product features



- 5 Pin M12 Quick Disconnect
- Driver built in – No External wiring to a driver
- PNP and NPN Strobe input
- Continuous operation or Strobe mode
- Six, 1mm² Die High Current LEDs



product specifications

Electrical Input	24 VDC +/- 5%
Current	Max. 500mA
Wattage	Max. 12W
Strobe Input	PNP ► +4VDC or greater to activate. NPN ► GND (<1VDC) to activate
PNP Line	3.7mA @ 3VDC 6.2mA @ 5VDC 12.6mA @ 10VDC 30.4mA @ 24 VDC
NPN Line	22mA @ Common (0VDC)
Yellow Indicator LED	LED Strobe Indicator ON = Light Active
Green Indicator LED	ON = Power
Continuous Mode	Light will be in continuous mode by leaving signal on strobe input active
Connection	5 pin M12 connector
Ambient Operate Temp.	-20° - 50° C (-4° - 122° F)
Lifespan	100,000 hrs
IP Rating	IP50
Weight	~155g
IEC 62471 Rating	See page 4



product number key

SC75 – XXX – X* —» Part Number Key

Product Family:
Brick Light
SC75

Color:
470, 530, 625 &
WHI (White)

Lenses:
W - Wide

* Lights come standard with Narrow lenses

CE and RoHS Compliant



warnings

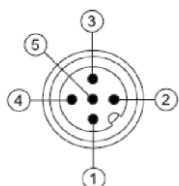


Attention

Please note that the power requirements are up to 500mA at 24VDC. Failure to supply light with up to 500mA can result in non-repeatable lighting. Contact Smart Vision Lights for more information.



wiring configuration



1 – 24V
2 – NPN
3 – GND
4 – PNP
5 – NOT USED

Standard M12 mating cable color code:

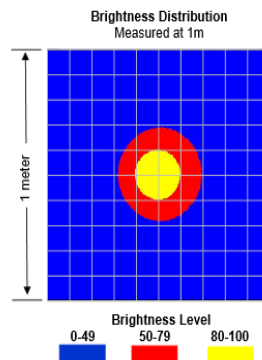
BROWN
WHITE
BLUE
BLACK
*GRAY (GREEN/YELLOW)

PIN	Wire Color	Function	Signal
1	BROWN	Power	+24 VDC
2	WHITE	NPN Strobe	GND for Active ON
3	BLUE	Ground	GND
4	BLACK	PNP Strobe	4VDC to 30VDC for Active ON
5	GREEN	NOT USED	NOT USED



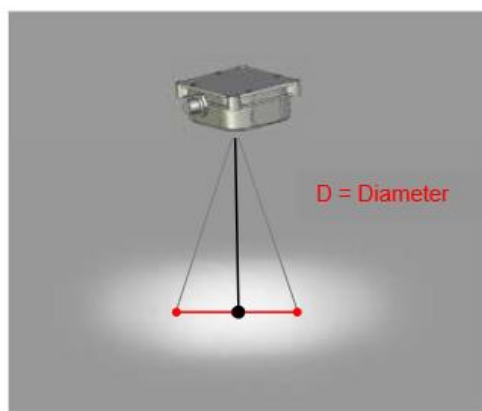
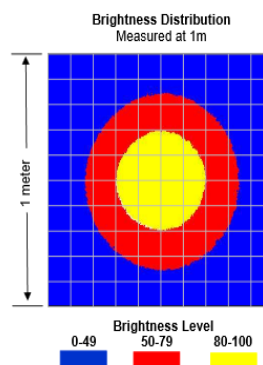
SC75-XXX

Working Distance mm (inches)	Pattern (80%-100% measured intensity) mm (Inches)
.5m (19.7")	100mm (~4") D
1m (39.4")	200mm (~8") D
1.5m (59")	300mm (~12") D
Typical output performance	
Distance = 1 meter	Illumination (Lux) 2400
Illumination measurement taken on White Lights – 6500K	



SC75-XXX-W

Working Distance mm (inches)	Pattern (80%-100% measured intensity) mm (Inches)
.5m (19.7")	210mm (~6") D
1m (39.4")	425mm (~17") D
1.5m (59")	650mm (~22") D
Typical output performance	
Distance = 1 meter	Illumination (Lux) 1560
Illumination measurement taken on White Lights – 6500K	





mounting & accessories



5m, 10m, or 15m Cable
Available



Pan and Tilt Mount
Hardware included



Extrusions
Hardware included



identification



5 Pin M12 Power Input

Power Indicator LED (Green)

Signal LED (Yellow)



risk group

According to IEC 62471:2006. Full documentation upon request.

Notice

Exempt Group: No photobiological hazard to eyes or skin even for continuous, unrestricted use.
Applicable for wavelengths: 625.

Caution

Risk Group 1: Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to eye. Safe for most applications except prolonged exposures.
Applicable for wavelengths: 470, 530, and WHI.