

# ALED

## Detroit G3



### Product information

Detroit G3 er en projektør i korrosionsklasse C5 med varmgalaniseret montagebeslag. . Detroit G3 leveres i 3 størrelser i enten on/off eller med DALI2. Alle projektører har justerbar Kelvingrad og on/off versionerne kan indstilles i 3 forskellige wattager. Alt dette gør Detroit G3 til en alsidig fleksibel projektør der kan bruges til de fleste opgaver, hvad enten det er som belysning på bygninger eller i master.

### Features

- \* Easy replacement of LED module and driver
- \* Korrosionsklasse C5
- \* Op til 150lm/W
- \* Asymmetrisk optik
- \* 3000K/4000K/5000K
- \* L90 - 54.000 timer (Ta 10°C)
- \* L80 - 113.000 timer (Ta 10°C)



## Product data

### General Information

|                            |                               |
|----------------------------|-------------------------------|
| Light source type          | LED                           |
| Number of LED module       | 1 pcs                         |
| Beam angle of LED module   | Asymmetric                    |
| Color temperature          | 3000K/4000K/5000K(DIP-switch) |
| CRI                        | 80                            |
| LED module replaceable     | Yes                           |
| Number of LED driver       | 1 unit                        |
| Driver included            | Yes                           |
| Driver replaceable         | Yes                           |
| L90 lifetime of LED module | 54,000 hrs                    |
| L80 lifetime of LED module | 113,000 hrs                   |
| LED module lumen           | 150lm/w±10%                   |

### Operating and Electrical

|                                    |   |
|------------------------------------|---|
| Input Voltage                      | 120-240 Vac   |
| Input frequency                    | 50 to 60 Hz   |
| System wattage                     | 100W/300W/500W  |
| Inrush current                     | 100W 123A pk Max@220Vac<br>300W 12.4A pk Max@220Vac<br>500W 14.5A pk Max@220Vac |
| Inrush time                        | 100W 100µs, 300W 4.0ms, 500W<br>1.0ms   |
| Power factor                       | 0.96  |
| Leakage current                    | 0.70 mA   |
| Max. units per circuit B16 breaker | 100W 8pcs, 300W 4pcs, 500W 4pcs   |
| Max. units per circuit C16 breaker | 100W 14pcs, 300W 7pcs, 500W<br>4pcs   |
| Surge protection                   | 100W/300W 10KV L-N, 500W<br>20KV L-N  |
| Ambient temperature range          | -30°C to +50°C  |
| Performance ambient temperature Tq | +10°C   |

|                      |                    |
|----------------------|--------------------|
| SDCM                 | 5 steps            |
| Optical type         | Lens               |
| Control and dimming  | DALI               |
| Connection type      | 5 pole connector   |
| Protection class IEC | Safety class I     |
| Glow-wire test       | 650°C, 30s         |
| UGR                  | NA                 |
| PstLM                | < 1                |
| SVM                  | < 0.4              |
| CE Mark              | Yes                |
| EU RoHS compliant    | Yes                |
| Net weight (piece)   | 3.6Kg/6.4Kg/11.6Kg |

### Dimension

|                          |   |
|--------------------------|---|
| Overall length           | 346mm/500mm/622mm   |
| Overall width            | 355mm/436mm/489mm   |
| Overall height           | 57mm/68mm/72mm  |
| Effective projected area | 0.1m <sup>2</sup> /0.19m <sup>2</sup> /0.27m <sup>2</sup> |

### Mechanical and Housing

|                              |                     |
|------------------------------|---------------------|
| Housing material             | Low copper aluminum |
| Optical material             | Polycarbonate       |
| Housing color                | Black(RAL9017)      |
| Mounting bracket material    | SPCC                |
| Ingress protection code      | IP66                |
| Mech. impact protection code | IK08                |

### Remarks

|                                      |      |
|--------------------------------------|------|
| LED driver failure rate at 50,000hrs | 5%   |
| Power consumption tolerance          | ± 5% |

Product picture



100W



300W



500W

# Dimensional drawing



