



Specifications for Modulight LED 50W AC

Features

- Fully designed and manufactured in South Africa
- No surge startup current
- High power factor
- Simple installation
- No electrolytic capacitors used in driver circuit
- Built in surge protection
- Built in thermal overload protection
- Optional optics available
 - Spot
 - HighBay
 - Low Bay
 - Rack Pack
 - Street Lighting



Specifications

Electrical Specifications

| | |
|-------------------------|-----------------|
| Nominal Input Voltage: | 190VAC - 260VAC |
| Power Input | 48Watts |
| Power Factor | >0.97 |
| Current @ 230VAC | 0.22Amps |
| Current @ StartUp | 0.22Amps |
| Output LED power | 43Watts |
| Power Supply Efficiency | 89% |

Protection

| | |
|------------------------------|--------------------------------------------------------------------------------------------------------|
| Energy (10/1000uS): | 389J |
| Peak Surge Current @ 8/20µS: | 8Ka |
| Thermal Overload Protection | Thermal cut out reset |
| EMC EMISSION | Compliance to EN55015, EN61000-3-2 Class C (60% load) ; EN61000-3-3 |
| EMC IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, EN55024, light industry level(-surge 2KV), criteria A |

Operating conditions

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|-----------------------------|----------------|
| Operating temperature (Ta): | -40°C to +50°C |
| IP Rating | IP67 |

Light Performance

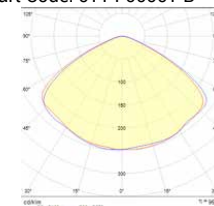
| | |
|------------|-------------------------------------------|
| Lumens | 50400 lumnes |
| CRI Index | 75 |
| LED Colour | Neutral White, 4700K , X = 0.31, Y = 0.32 |

Construction

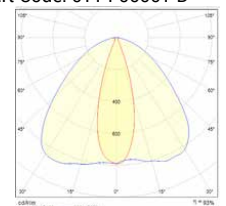
| | |
|-----------------------|-------------------------------|
| Materials | Aluminium 6063 T6, PMMA cover |
| Length, Height, Width | 315mm, 163mm, 121mm |
| Weight | 1.7Kg |

Photometric Data

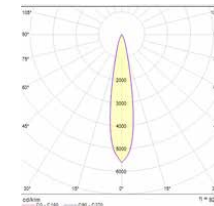
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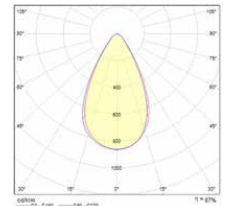
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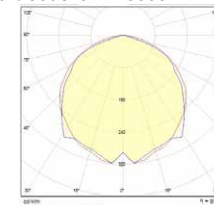
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Part Code: 0114-00001-C



Part Code: 0114-00001-E



Part Code: 0114-00001-A

