

TEC-50

50W LED FLOODLIGHT



Key Features:

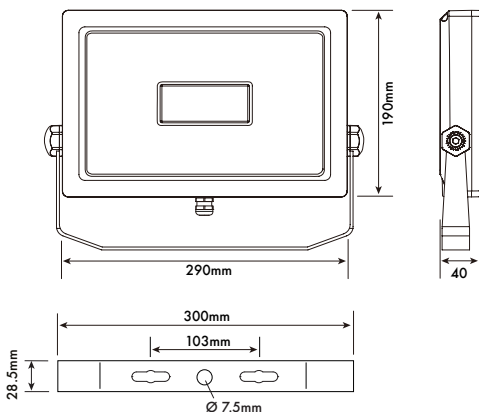
- > Designed for marine & swimming pool conditions
- > Bright lumen output, low glare
- > High efficiency LED SMD Chip
- > Energy savings of >85% and low maintenance costs
- > Suitable for domestic, commercial and industrial external lighting applications
- > Long life - 50K hours
- > 100° beam angle
- > Salt spray protection
- > IP rating IP65

TEC-50 SPECIFICATION

Part Code	TEC-50N	TEC-50N-24
Fitting Colour	White	White
Case	Die-cast Aluminium	Die-cast Aluminium
Lens	Tempered Glass	Tempered Glass
Input Voltage	220~240VAC	24Vdc input
Power	50W	50W
Power Factor	>0.95	>0.95
Lumens	3900lm	3900lm
Colour (K)	4000K	4000K
Lumen Field Angle	100°	100°
Working Temperature	-20° C ~ +40° C	-20° C ~ +40° C
CRI	≥82	≥82
Weight	2.1Kg	2.1Kg
Dimensions	290 x 190 x 40mm	290 x 190 x 40mm



Mechanical Diagrams



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 Aldermaston
 Berkshire
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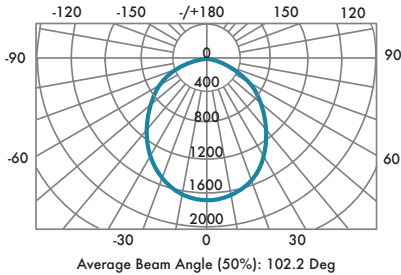
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Photometrics

Average Illuminance Figure



Height	E ave, Emax	Angle: 99.67° deg	Diameter
1m	618.9, 1674lx		236.97cm
3m	154.7, 418.6lx		473.94cm
6m	68.77, 186.01lx		710.90cm
9m	38.68, 104.6lx		947.87cm
12m	24.76, 66.97lx		1184.84cm

4000k

Testing & Certification

The TEC floodlight has been extensively tested to the following criteria:-

Salt Spray Test

IEC 60068-2-52 specifies the application of the cyclic salt mist test to components or equipment designed to withstand a salt-laden atmosphere as salt can degrade the performance of parts manufactured using metallic and/or non-metallic materials.

International Protection (IP) Rating

IEC 60529, sometimes interpreted as Ingress Protection Marking, classifies and rates the degree of protection provided against intrusion (body parts such as hands and fingers), dust, accidental contact, and water by mechanical casings and electrical enclosures. It is published by the International Electrotechnical Commission (IEC). The equivalent European standard is EN 60529.

IK08 Impact Protection Rating

The European standard EN 62262 – the equivalent of international standard IEC 62262 (2002) – relates to IK ratings. This is an international numeric classification for the degrees of protection provided by enclosures for electrical equipment against external mechanical impacts. It provides a means of specifying the capacity of an enclosure to protect its contents from external impacts.

CE Certificate of Conformity

CE marking is a certification mark that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA). This also includes EMI, EMS, Low Voltage Directive and Energy Related Products Directive.

ECA compliance Certificate

Photometric Reports

Driver Data

Copies of these certificates and reports are available upon request.

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