

Certification Record

Listing#: E115626
Report #: NRTLC 15892A
Original Certification Date: August 23, 2023
Revised Certification Date:

This Certification is issued to:

Raytec Ltd.
Unit 15 Wansbeck Business Park,
Rotary Parkway,
Ashington Northumberland,
NE63 8QW,
United Kingdom

Stating that the product(s):

SPARTAN LED Standard Floodlight with emergency variants option:

SPX-FL-12,-24,-48 & SPX-BL-24
SPZ- HP
SPZ- BL24
SPZ-BL24- Emergency
SPZ-MPFL-XX-W-XXXX-CID2

Achieved Certification to the following standard(s):

CSA C22.2 No. 94.2-07
CSA C22.2 No. 25-1996
CSA C22.2 No. 213-2016
CSA C22.2 No. 250.13-14
CSA C22.2 No. 141-15
UL 50E 1st edition
ANS/ISA-12.12.01-2015
UL 8750 2nd edition
UL 1203 5th edition
UL 844 13th edition
UL 924 10th edition



SPZ-HP SPARTAN

Model #	150W version	300W version
Input Voltage	120-277 Vac or 186-275 Vdc	
Consumption	150 Watts Max.	300 Watts Max.
Current (230Vac, full load)	0.7A Max.	1.4 A Max.
Power Factor (230Vac, full load)	>0.97	
Inrush Current ($I_{peak@50\%}$)	53A, $\Delta t < 300\mu s$	60A, $\Delta t < 300\mu s$
Total Harmonic Distortion (230Vac, full load)	<3%	
Mains Frequency	50/60 Hz	
Ingress protection	Enclosure Type 4X.	
Hazardous Loc.	Class I, Div. 2 Gr ABCD T5 Class II, Div. 1, Div. 2 Gr EFG	

SPZ SPARTAN

Model #	SPZ-BL24			SPZ-BL24-Emergency
Input	110-254 Vac/Vdc (HV) or 18-40Vdc or 18-69Vdc			110-254 Vac
Consumption	34 Watt Max			37
Current	0.375A Max.			0.375
Frequency	AC: 50/60 Hz or Dc			
Ingress	Enclosure Type 4X.			
Emergency	N/A	N/A	N/A	3 hr @ 25% Power
Emergency Charge Time:	N/A			20 Hr.
Tamb:	-50°C to + 55°C			-20°C to + 55°C
Hazardous Loc.	Class I, Div. 2 Gr ABCD T5 Class II, Div. 1, Div. 2 Gr EFG			

SPARTAN MID POWER LED FLOODLIGHT/HIGHBAY

Model #	SPZ-MPFL		
Input Voltage	110v to 277v		
Consumption	34 Watt Max		
Current	0.92A Max.		
Frequency (AC)	AC: 50/60 Hz		
Ingress protection	Enclosure Type 4X.		
Emergency Option	N/A	N/A	N/A
Emergency Charge Time:	N/A		
Tamb:	-40°C to + 60°C		
Hazardous Loc.	Class I, Div. 2 Gr ABCD T4 Class II, Div. 1, Div. 2 Gr EFG		

Equipment is to be subject to a routine dielectric strength test. Records of the following test parameters are to be checked during the audit process. The test parameters are as follows:

Circuit Rating	Component Tested	Circuit Tested	Voltage (VAC)	Voltage (VDC)	Time (sec)
110v to 277v	LED driver and encapsulated LED assembly	supply terminals and the surface of the encapsulant	1554	-	61
			1865	-	0.01

Eurofins MET Labs Safety Laboratory

All changes proposed in the previously identified product that affects the above information must be submitted to Eurofins MET Labs for evaluation prior to implementation to assure continued MET Certification status.

The covered product(s) shall be subject to follow-up inspections to ensure that the Certified product(s) are identical to the product sample evaluated by Eurofins MET Labs and that all manufacturer's responsibilities are being fulfilled as specified in the Manufacturer's Responsibility section of the Certification report. The applicant named above has been authorized by Eurofins MET Labs to represent the product(s) listed in this record as "MET Certified" and to mark this/these product(s) according to the terms and conditions of the MET Applicant Contract, MET Listing Reports, and the applicable marking agreements. Only the product(s) bearing the MET Mark and under a follow-up service are considered to be included in the MET Certification program. This certification has been granted under a System 3 program as defined in ISO/IEC 17067.



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NRTL