

GDS Lamp, Fade-to-Warm 1800K-3000K

Model No: TBC

PRELIMINARY DATASHEET

Introduction

A range of lamps powered by Drive Hub & IPM. Designed to allow a large number of lamps to be driven on a single circuit, replacing tungsten in a wide range of applications. Low voltage with highly efficient optics that re-create the classic sparkle of traditional lamps.

IPM is a revolutionary driver technology that can provide both power and single channel control data over legacy 2-core mains cabling with perfectly uniform dimming.

Key features

- Fade-to-Warm as standard
- 360 degree light output
- 3.25W or 3.5W depending on format
- Various base options
- Drive Hub IPM compatible
- Clear candle or frosted globe



Technical Parameters

Colour Temperature	1800K-3000K Fade-to Warm
CRI	>90
Beam Angle	360°
Operating Voltage	36-72V (IPM Only)
Light Output	400-450 Lumens
Base Options	B15d, E14, E27 (C35 Only), B22 (C35 Only)
Glass Options	Clear Candle (C35), Frosted Globe (P45)
Nominal Power	3.25W (P45), 3.5W (C35)
Required Driver	GDS Drive Hub IPM
Ingress Protection	IP20

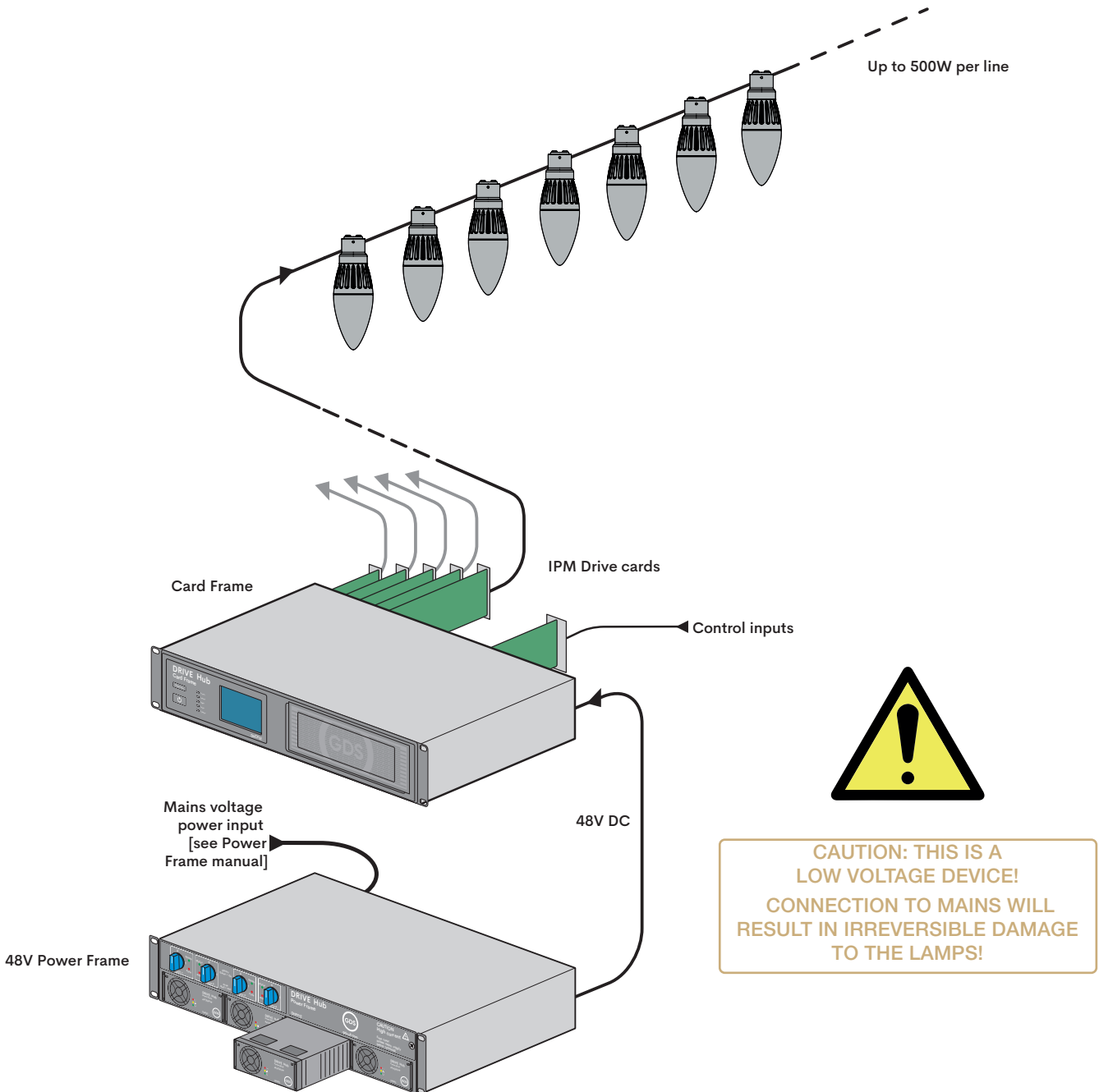
**CAUTION: THIS IS A
LOW VOLTAGE DEVICE**

Connection Data

The GDS Lamp should only be connected to the GDS DriveHub or MiniPack system. Under no circumstances should they be connected to an ordinary mains voltage system.

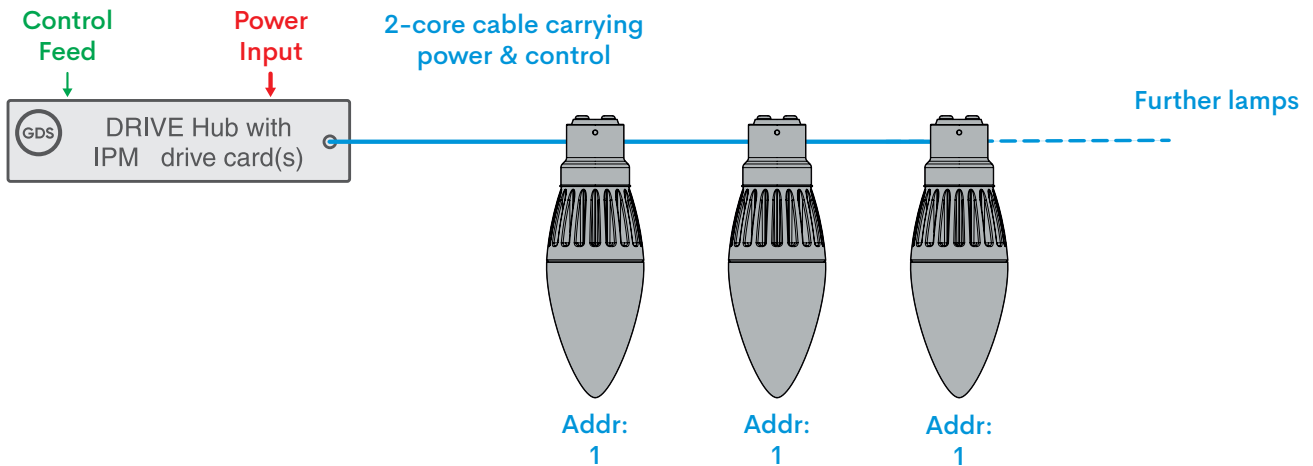
These are low-voltage devices and connection to mains voltage will result in **irreversible damage** to the fixtures.

The GDS IPM circuit should be connected as follows:



IPM Addressing

The GDS Lamp uses the proprietary GDS protocol known as IPM. This system allows a single control address (together with DC power) to be transmitted across a two-core cable run to multiple lamps (up to 500W in each run). All fixtures will be controlled via 1 channel (determined by the IPM drive card) given by the centrally located controller.



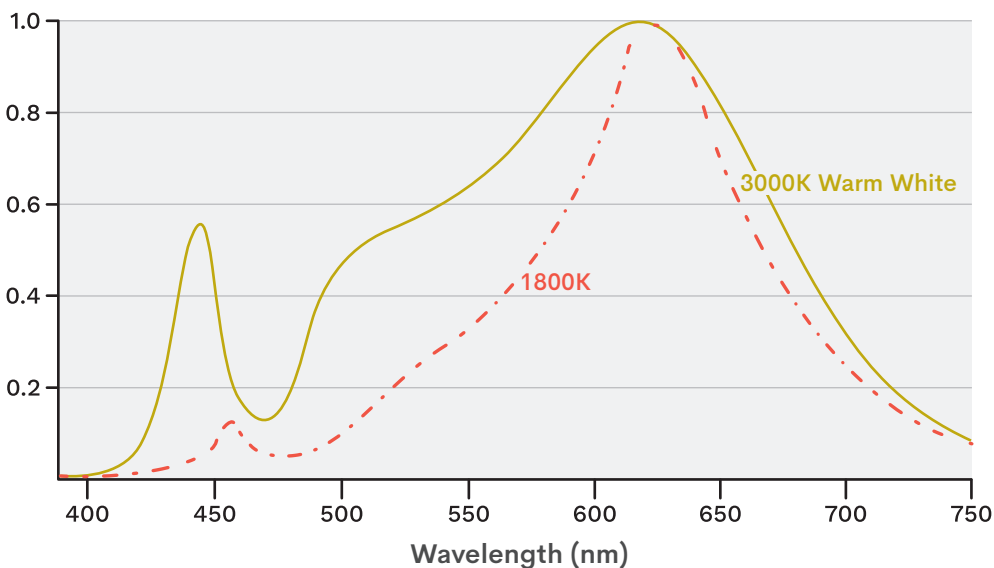
IPM Addressing

In addition to DMX values being sent out to the fixtures via the two-core cabling, RDM (Remote Device Management) is also supported. The following RDM fixture parameters are remotely configurable from the controller via the DMX/RDM link:

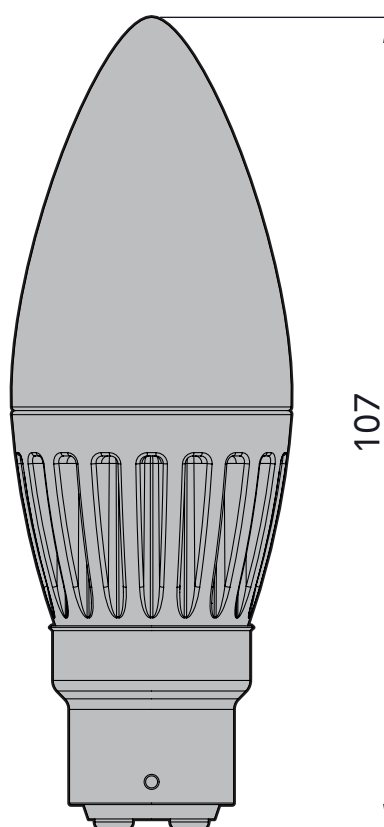
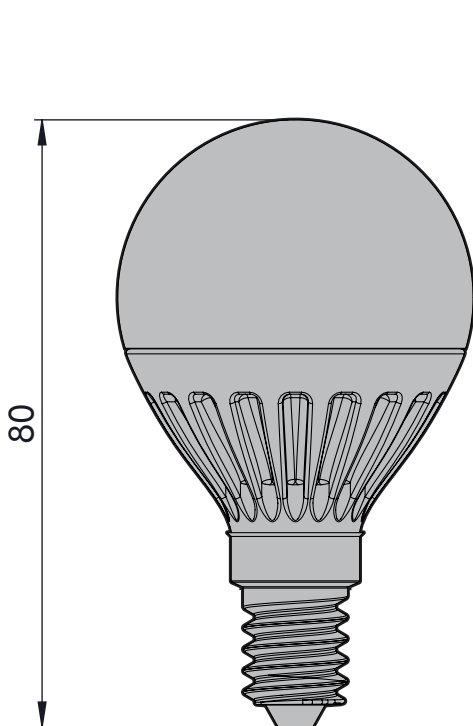
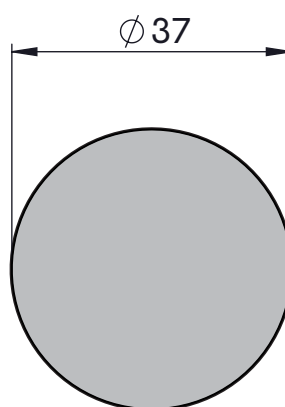
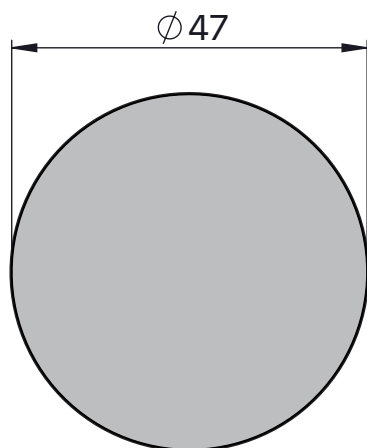
RDM Parameters

Dimming curve:	Linear, Square Law, GDS Incandescent
PWM frequency:	300Hz, 600Hz, 1200Hz, 19.2kHz (Subject to change)
Response Time (mS):	0, 50, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000
Minimum output level:	0 to 255
Maximum output level:	0 to 255

Spectral Distribution Chart



Dimensions



P45

C35

All specifications are subject to change without notice.