

### LUMINAIRE:

MODEL: Darwin LED  
PART NO.: LKD-DAR-(Lighting Design Code)  
DESCRIPTION: Darwin Heritage LED Luminaire

MATERIALS:  
LM6 CAST & CNC ALUMINIUM  
PMMA OPTIC  
POLYCARBONATE ENCLOSURE  
BZP STEEL & BRASS FASTENERS

INGRESS PROTECTION: IP65  
IMPACT RATING: IK08  
WEIGHT: 10KG  
WIND FACTOR: 0.42

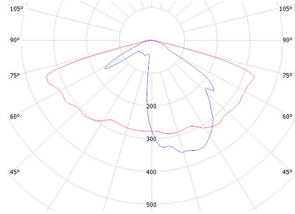
SPIGOT SIZE: 76mm Post top only (reducers/expanders available)  
SPIGOT FIXING: 4 x M8 GRUB SCREW

### MODEL RANGE:

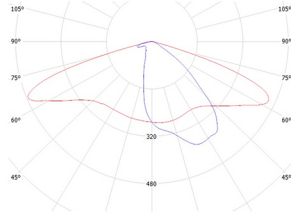
NOMINAL WATTAGE: 8w - 72w  
LUMEN OUTPUT\*: 1536Lm - 12994Lm  
LUMEN EFFICACY\*: 192Lm/W\*

\*Dependent on Colour Temperature, drive current & LED quantity

LED QUANTITY: 4LED - 24LED  
COLOUR TEMPERATURE: 1900K - 4000K (Amber 0Ra\* available)  
OPTICS:  
SP- (GLARE G3)



MEC- (GLARE G6)



\*More optics available from LEDiL Inc.

### ELECTRICAL DATA:

INPUT VOLTAGE: 100-277VAC (85-305)  
OUTPUT VOLTAGE: 77-149  
OPERATING FREQUENCY: 50-60HZ

SURGE PROTECTION: 10KVA  
FUSED PROTECTION: 2 X 6.3A  
OVERVOLTAGE PROTECTION: 500V

INTERNAL CABLE: 1MM HEV 500V  
DRIVER OPTIONS: 0-10V, DALI, NON DIMMING



### LIFESPAN CHARACTERISTICS\*:

LM80/TM21 DATA:

L90: 102,000HRS  
L80: 114,000HRS  
L70: 123,000HRS

\*test based on various CCT range of Specified Light Engines mounted in 30 x Enclosed Luminaires. Test conducted at 25 °C ambient with Philips Driver preset at 700MA, LED junction temp. recorded at 85 °C. Test duration was for a total of 12,000 hours & no failures were recorded during testing.

FAILURE RATE (By):

B10: 104,000HRS

### LED DATA:

LED MODEL: PHILIPS LUMILED LuxeOn REBEL 5050  
CRI: 80+  
CRI SHIFT OVER LIFE: 2%

### ACCREDITATION:

CE CERTIFICATION  
ROHS CERTIFICATION  
REACH  
LIAQA  
ENEC