

ProVision ID LED: LUMINAIRE SPECIFICATION

LUMINAIRE:

MODEL: ProVision ID
PART NO.: LKD-PID-(Lighting Design Code)
DESCRIPTION: ProVision ID LED Street Luminaire

MATERIALS:
PRESSED ALUMINIUM
DUPONT PC OPTIC
BZP STEEL FASTENERS

INGRESS PROTECTION: IP67
IMPACT RATING: IK10
WEIGHT: 1.5KG
WIND FACTOR: 0.026

SPIGOT SIZE: 42MM (Side Entry)
SPIGOT FIXING: 2 x M8 GRUB SCREW
SPIGOT RANGE: Adjustable Post Top/Side Entry Spigot Available



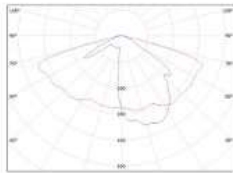
MODEL RANGE:

NOMINAL WATTAGE: 8w - 36w
LUMEN OUTPUT*: 1296Lm - 5832Lm
LUMEN EFFICACY*: 162Lm/W

*Dependent on Colour Temperature, drive current & LED quantity

LED QUANTITY: 9LED - 18LED

COLOUR TEMPERATURE: 3300K - 5000K
OPTICS:
SP-



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: NONE

LIFESPAN CHARACTERISTICS*:

TM21 DATA:

LUMEN DEPRECIATION (L_{y,T}):

L90: 102,000HRS
L80: 114,000HRS
L70: 120,000HRS

FAILURE RATE (B_{y,T}):

B10: 110,000HRS

*test based on various CCT range of LuxeOn REBEL LED's mounted in 60 x Enclosed Vision ID (Integrated Driver) PCB's. Test conducted at 25 °C ambient, LED junction temperature recorded at 85 °C, Ambient temperature inside enclosed luminaire simulation recorded at 32 °C. Test duration was for a total of 16,000 hours & no failures (B_y or C_y) were recorded during testing.

LED DATA:

LED MODEL: PHILIPS LuxeOn REBEL 5050
CRI: 80+
CRI SHIFT OVER LIFE: 3%

ACCREDITATION:

CE CERTIFICATION
ROHS CERTIFICATION
REACH
LIAQA
ENEC

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Darwin LED:

LUMINAIRE SPECIFICATION

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) Top Hung (BSP or Quick Release)
SPIGOT FIXING: 4 x M8 GRUB SCREW

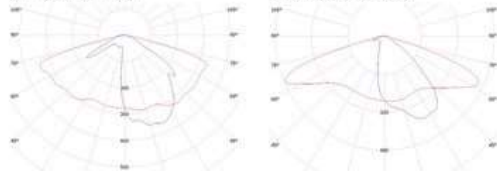


MODEL RANGE:

NOMINAL WATTAGE: 8w - 88w
LUMEN OUTPUT*: 1216Lm - 13376Lm
LUMEN EFFICACY*: 152Lm/W

*Dependent on Colour Temperature, drive current & LED quantity

LED QUANTITY: 10LED - 48LED
COLOUR TEMPERATURE: 2700K - 4200K
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:

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