

LUMINAIRE:

MODEL: Valinat I LKD
PART NO.: LKD-VAL-(Lighting Design Code)
DESCRIPTION: Valiant LKD LED Road Luminaire

MATERIALS:
LM6 CAST ALUMINIUM
PMMA ACRYLIC OPTIC
BZP STEEL FASTENERS

INGRESS PROTECTION: IP67
IMPACT RATING: IK10
WEIGHT: 6.0KG
WIND FACTOR: 0.07

SPIGOT SIZE: 76MM (Post Top) 42MM (Side Entry)
SPIGOT FIXING: 4 x M8 STEEL HELI-COIL THREADED INSERTS
SPIGOT RANGE: Post Top $\leq 15^\circ$, Side Entry $\leq 15^\circ$

MODEL RANGE:

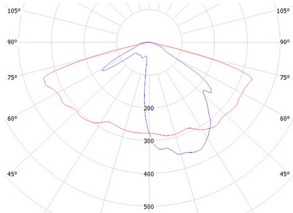
NOMINAL WATTAGE: 8w - 96w
LUMEN OUTPUT*: 1536Lm - 16588Lm
LUMEN EFFICACY*: 192Lm/W*

*Dependent on Colour Temperature, drive current & LED quantity

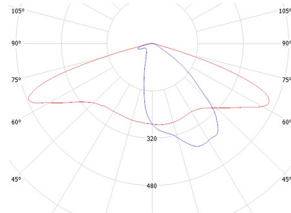
LED QUANTITY: 9LED - 45LED

COLOUR TEMPERATURE: 1900K - 4200K (Amber 0Ra* available)
OPTICS:

SP- (GLARE G3)



MEC- (GLARE G6)



FINISH:
AZKO NOBEL INTERPON D2525 STRUCTURA
ML450E* (as standard)

*Any RAL finish available

*Other Optics Available from LEDiL Inc.

ELECTRICAL DATA:

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

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

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



LIFESPAN CHARACTERISTICS*:

LM80/TM21 DATA:

L90: 106,000HRS
L80: 122,000HRS
L70: 148,000HRS

*test based on various CCT range of XPE R3 LED's mounted in 25 x Valiant Luminaires. Test conducted at 25 °C ambient with Inventronics Driver preset at 1000MA, LED junction temperature recorded at 105 °C. Test duration was for a total of 20,600 hours & no failures were recorded during testing.

FAILURE RATE:

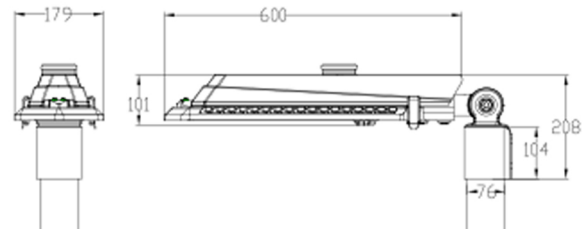
B10: 120,000HRS

LED DATA:

LED MODEL: SP-PHILIPS LuxeOn REBEL 5050
MEC-PHILIPS LuxeOn REBEL 5050

CRI: 80+
CRI SHIFT OVER LIFE: 2%

DIMENSIONS:



ACCREDITATION:

CE CERTIFICATION
ROHS CERTIFICATION
REACH
LIAQA
ENEC