



SURFACE LIGHT

Simple and easy appearance, in line with contemporary aesthetic concept. The product has the structure and appearance design patent. The lamp body adopts high-pressure cast aluminum and aluminum alloy, the surface is coated with outdoor used powder, double anti-corrosion to extend service life. This lawn lamp series uses LED. High efficiency constant current driver, ensure the light source is maximum used.

FIELDS OF APPLICATION

Office & Education, offices, open-plan offices, conference rooms, conference rooms, reception areas, counters, galleries, hotels, restaurants, living spaces

IEC 62717 LED-modules for general lighting – Performance requirements
IEC 62722-2-1 Particular requirements for LED luminaires

High Lumen Efficacy 115lm/W

Body - Die cast aluminum housing with solvent free powder coating

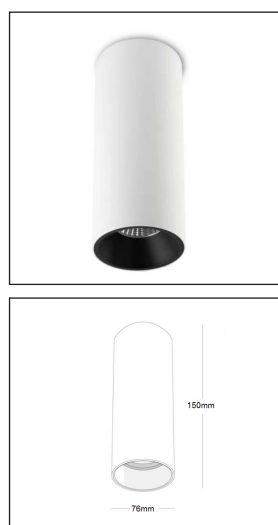
Diffuser - PMMA polycarbonate pattern lens.

Glowing Wire Test - 850°

Temperature - $t_a=20^{\circ}\text{C} \sim t_a \text{ max}=50^{\circ}\text{C}$

Class - III

Model --- KART



A - $\varnothing 76\text{mm} \times 150\text{mm}$

Default Available

KART-A-0-15-3K-W-10W



Product Assistant Chart

KART	X	X	X	X	X	
						Size — A —
						Driver — 0 — 1 — 2 — 3 — 4 —
						On/Off Dali Dimmable Phase Dimming 1-10
						Beam Angle — 24° — 36° —
						Kelvin — 27 — 30 — 40 — 50 — 60 —
						2700K 3000K 4000K 5000K 6000K
						Finishing — W — B —
						white black
						Wattage — 8 — 10 — 12 —

Lighting Customization Solution: can offer you modifications for environment with higher options as a customized product.

IP44

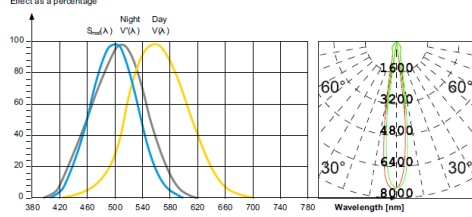
COB

McA Step 3

220~240V

VS LIGHTING SOLUTIONS
TRIDONIC

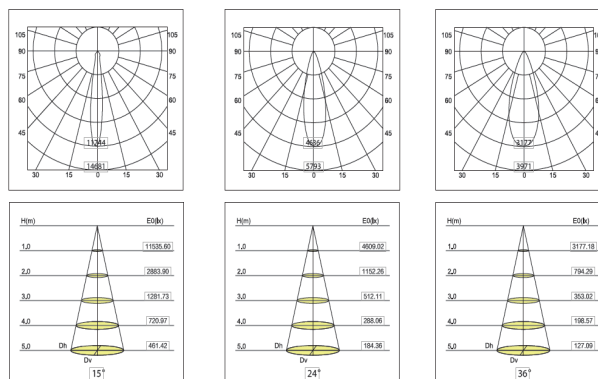
Relative spectral perception of brightness and melanopic effect
Effect as a percentage



Explanation of the three curves:
V(A) = Perception of brightness, daytime seeing with the cones
V(M) = Nighttime seeing with the rods
S(A) = Melanopic suppression with the photosensitive ganglion cells

Wavelength [nm]

Die Attach (via Epoxy or Solder)
Exposition like Globe Top
Wire Bonds
SUBSTRATE



LED life time			Operating time 1.000 h										
Lamp Lumen Maintenance Factor			1	10	20	30	40	50	60	70	80	90	100
Lamp Survival Factor			1	1	1	1	1	1	1	1	0.99	0.99	0.99
L80	50.000 h	LLMF	1	0.96	0.92	0.88	0.84	0.80	0.76	0.72	0.68	0.64	0.60
		LSF	1	1	1	1	1	1	0.99	0.99	0.99	0.99	0.98
L80	100.000 h	LLMF	1	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.80
		LSF	1	1	1	1	1	1	1	0.99	0.99	0.99	0.99



A++
ENERGY LEVEL

LED

CRI > 90

series wiring

F

CE

UV

LM-80

Flicker FREE

LM-80

Flicker FREE

Flicker FREE