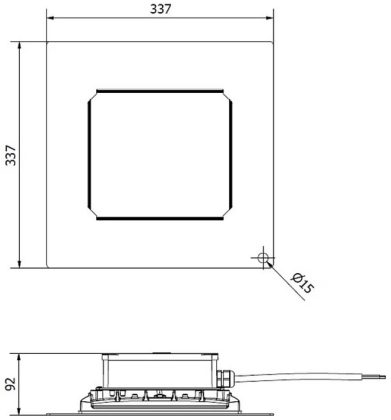
Product Data Sheet

Canopy lighting





IP66 IK08

PETROL SMALL GENERAL CHARACTERISTICS	
Applications	Canopy lighting
Optics	**60:** Wide optics; **90:** Wide; **Y:** CY - Rotosymmetric; **U:** Roto-Wide U-V04;
Colour temperature	**8:** Neutral White 4,000K; **2:** Warm White 3,000K; **6:** Cool White 5,700K; **F:** ;
CRI and color tolerance (SDCM)	70, on request 80 Colour tolerance between several luminaires typical 4 MacAdam steps
Photobiological safety class	Exempt Group
Insulation class	Class I
Degree of protection	IK08
IP Grade	IP66
Wiring	Internal connections
Dimensions	337 x 337 x 92mm
Weight	3.2 kg
ELECTRICAL CHARACTERISTICS	
Power supply	230 V 50/60 Hz
Power factor	> 0,97 (at full load)
Control system	DALI; Wireless Occupancy detector
Overvoltage protection	10kV differential mode, 10kV common mode, SPD 5kA on request
Operating temperature	-20°C +50°C
Optical unit life (Ta from -10°C to 45°C)	L90 B10 > 100.000 hr
MATERIALS	
Fixing	Custom on specific lamp body
Heatsink	Die-cast aluminium
Frame	Frame powder-coated white; painted RAL 9003
Optics	Multi-layer PMMA lenses
Screen	Transparent toughened glass, 4 mm thick (C). Satin-finished glass on request (S)

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POWER AND OPTICAL FLUX | 60 (T_{amb}=25°C)

		3000 K		4000 K		5700 K		6500 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
PETS_ _D2_ _ _	49,4	7.700	156	8.434	171	7.842	159	7.820	158
PETS_ _E2_ _ _	63,0	9.560	152	10.472	166	9.737	155	9.710	154
PETS_ _F2_ _ _	75,0	11.056	147	12.111	161	11.261	150	11.229	150

POWER AND OPTICAL FLUX | 90 (T_{amb}=25°C)

		3000 K		4000 K		5700 K		6500 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
PETS_ _D2_ _ _	49,4	7.691	156	8.425	171	7.833	159	7.811	158
PETS_ _E2_ _ _	63,0	9.550	152	10.461	166	9.726	154	9.699	154
PETS_ _F2_ _ _	75,0	11.044	147	12.098	161	11.248	150	11.217	150

POWER AND OPTICAL FLUX | Y (T_{amb}=25°C)

		3000 K		4000 K		5700 K		6500 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
PETS_ _D2_ _ _	49,4	7.750	157	8.490	172	7.894	160	7.872	159
PETS_ _E2_ _ _	63,0	9.716	154	10.643	169	9.896	157	9.868	157
PETS_ _F2_ _ _	75,0	11.329	151	12.410	165	11.539	154	11.507	153

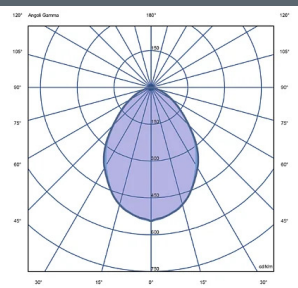
POWER AND OPTICAL FLUX | U (T_{amb}=25°C)

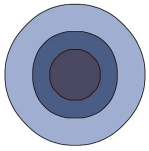
		3000 K		4000 K		5700 K		6500 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
PETS_ _D2_ _ _	49,4	7.310	148	8.007	162	7.445	151	7.425	150
PETS_ _E2_ _ _	63,0	9.164	145	10.038	159	9.334	148	9.308	148
PETS_ _F2_ _ _	75,0	10.686	142	11.706	156	10.884	145	10.853	145

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OPTICS

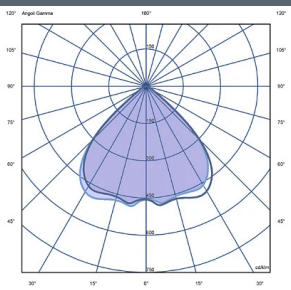
Wide optics

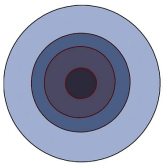




Wide Rotosymmetrical Optics

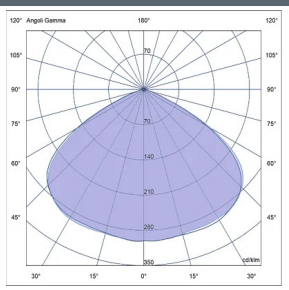
Wide





Wide Rotosymmetrical Optics

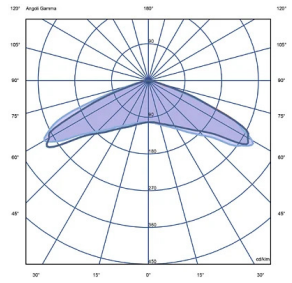
CY - Rotosymmetric

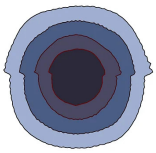




Rotosymmetrical Optics

Roto-Wide U-V04





Rotosymmetrical road optics - Wide beam

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Product Data Sheet

Canopy lighting

CODING

	LED Color Temperature	LED Color Temperature	Optics	Options	Power *
PETS	X	X	X	X	X
	8 Neutral White 4,000K **2** Warm White 3,000K **6** Cool White 5,700K **F**	**N** CRI 70 **A** CRI 80 **B** CRI 90	**60** Wide optics **90** Wide **Y** CY - Rotosymmetric **U** Roto-Wide U-V04	**0** none **D** DALI **K** Wireless Sensor ZQ	**D** 49,4 W **E** 63,0 W **F** 75,0 W

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