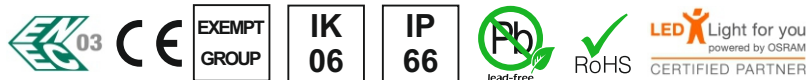


Main Characteristics

Applications	Street lighting, Urban furniture
Color	Anthracite
Material	Die cast aluminium
Dimensions	450 x 760 mm (Top Version) 450 x 800 mm (Suspension)
Weight	9.0 KG
Protection degree	IP 66 IK06
Insulation class	II
Mounting	Suspension, Top
IPEA	≥ A++ (C.A.M.)
N° LED	8, 12, 16, 24, 36 LED
LED Efficacy⁽¹⁾	187 lm/W - CRI ≥ 70 - @ 350 mA, T _f 25 °C
Colour temperature	3000K - 730/669 4000K - 740/669 5700 - 757/669
Optics	IP type in PMMA - PC - SILICONE
Optical unit lifetime⁽²⁾	≥ 100.000hr
Rated voltage	220-240 V~ 50/60 Hz
Power Factor	Cosφ ≥ 0.98 (at full load)
Surge protection (dif/com)	8/10 kV
Control system (options)	0-100%, 0-10V signal, PWM, DALI, Virtual midnight, MainsDIM, Wireless, NEMA socket, Zhaga socket
Programming	On-site driver reprogramming through NFC and related app.
Dimming	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C



DESCRIPTION

Artistic decorative fixture made of corrosion-resistant aluminum die-cast with a pole-top (TOP) mounting bracket using a 3/4" gas, and suspension (S) 3/4" gas in galvanized steel (optional AISI 316). Epoxy powder coating and baking in the oven. Optics in PMMA/PC guaranteed against UV rays and yellowing. Surge protection device up to 6kV. Insulation class II, IP66, and IK06 enclosure. Class II internal wiring and connections. Anti-condensation valve. AISI 304 bolts with split spring washers, serrated and/or self-locking nuts. Replacement of internal components can be done using common tools. Access to components through the top opening. Connection to the network via an external cable with IP68 M20x1.5 connector (optional). Power supply, plate, and possible remote control (optional) interconnected with double-insulated rubber cables. Power supply with nominal voltage 220-240 Vac, frequency 50/60 Hz. Efficiency ≥90% at full load, power factor cosφ0.95. DALI interface (optional). LED lifespan >100,000 hours L90B10. Energy performance ≥A++. Color temperature from 2200k to 5700k, CRI>70. CE and ENEC certification. Fixture efficiency up to 174lm/W.

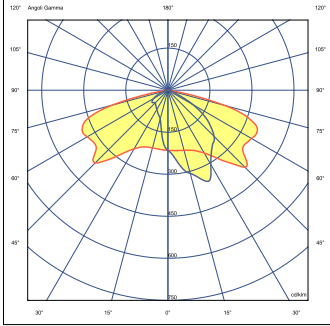
Main Reference standards

EN 60598-1: Luminaires - Part 1: General requirements and tests
 EN 60598-2-3: Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting
 IEC/TR 62778: Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
 EN 55015: Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
 EN 61000-3-2: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions.
 EN 61000-3-3: Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems
 EN 61547: Equipment for general lighting purposes - EMC immunity requirements
 EN 13032-1: Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 1: Measurement and file format
 Datasheet according IEC/PAS 62717 - IEC/PAS 62722

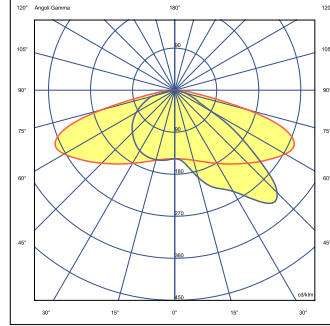


STREET LIGHTING

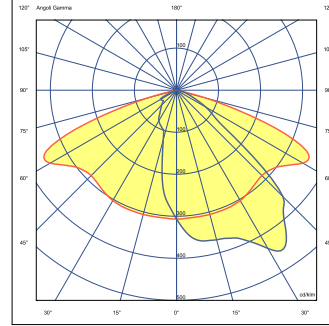
SCL
Available only for 12 LED modules



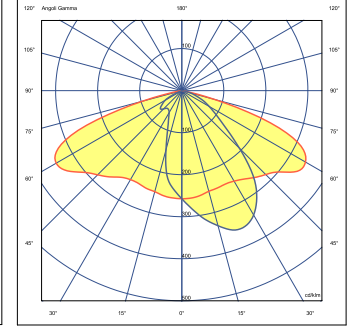
406



ME
Available only for 12 LED modules

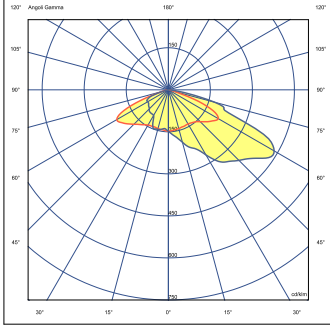


DWC
Available only for 12 LED modules

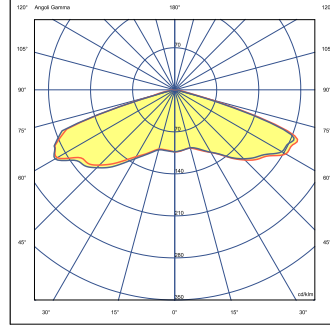


AREA AND CAR PARK LIGHTING

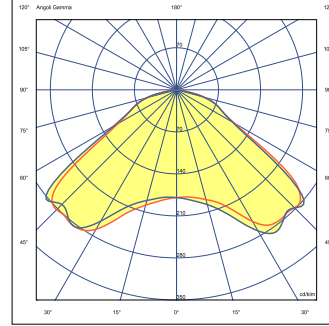
T4B
Available only for 12 LED modules



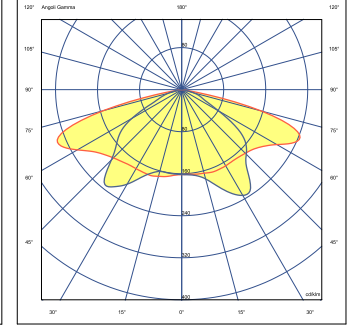
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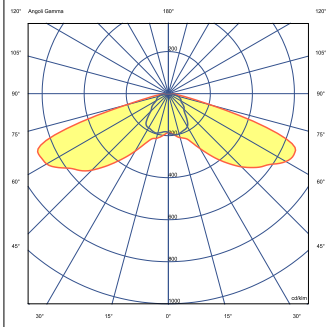
004



S06
Available only for 16 and 24 LED modules



403



phLuminaLQ 24 - T / 40 / 500 / ME

- Product Series
- Number of Leds
- Mounting type ('T' Top, 'S' Suspension)
- Light temperature
- Current
- Optic

ex. phLuminaLQ24 - T/40/500/ME
NOTE: Other optics available on request

3000/4000/5700K

Model	Led Current(mA)	Rated Luminaire Power(W)	Rated Led Flux (lm ^{§1})	Rated Luminaire Flux (lm ^{§2})	Luminaire Efficacy [lm/W]
phLuminaLQ8 *	250	12,0	2248	2091	174,4
phLuminaLQ12		18,0	3373	3137	
phLuminaLQ16*		24,0	4497	4182	
phLuminaLQ24		36,0	6746	6274	
phLuminaLQ36		54,0	10119	9411	
phLuminaLQ8 *	350	17,2	3084	2868	166,7
phLuminaLQ12		25,8	4626	4302	
phLuminaLQ16*		34,4	6168	5736	
phLuminaLQ24		51,6	9252	8604	
phLuminaLQ36		76,0	13878	12671	
phLuminaLQ8 *	500	25,9	4276	3977	153,5
phLuminaLQ12		38,9	6414	5965	
phLuminaLQ16*		51,8	8552	7953	
phLuminaLQ24		75,9	12828	11649	
phLuminaLQ36		113,8	19242	17711	
phLuminaLQ8 *	700	37,7	5751	5348	141,7
phLuminaLQ12		56,6	8627	8023	
phLuminaLQ16*		76,0	11503	10769	

* Only Khatod optics

NOTA: Values indicated in this technical sheet are to be considered rated values. Flux tolerance +/- 10%. Power Tolerance: +/- 10%
 Rated led Flux according to LED GW P9LR35.PM(G5) IN M5 - A

^{§1}LED source efficiency according to LED datasheet.

^{§2}Lifetime according to LM-80 DURIS S 8 - GW P9LR35.PM_4000K_600mA_6000h_180260W1.

^{§3}Values measured in laboratory @ Ta = 25 °C.

^{§4}LED source flux according to GW P9LR35.PM(G5) IN M5 - A.

The characteristics of the product listed above are subjected to change without notice.

PACKAGING



Dimensions: 455x455x800 mm
Weight: 10 Kg
For TOP Version

Dimensions: 455x455x770 mm
Weight: 10 Kg
For S Version

DESIGN

