



The Conquest 80W is a high performance IP65 / IP66 - IK08 rated street light optimised for high uniformity and maximum spacing between columns.

Manufactured with anti-corrosion die-cast aluminium, stainless steel fixings and high impact glass for additional protection. Complete with corrosion resistant polyester powder coating and adjustable spigot for side or column top entry.

Options available are Colour Temperature, Beam Angle, DALI, NEMA Socket, AstroDIM, Spill Shield, Spigot Size/ Adaptors, and any painted RAL colour finish.

Conquest 80W LED Street Light



LED Street Lighting



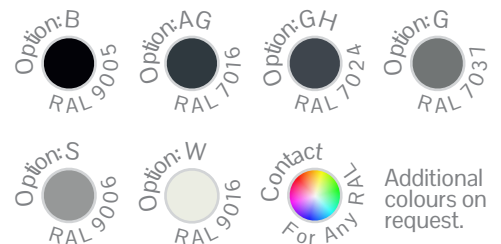
Features

- LED rating (Source lumens) 13,694Lm (4000K / 6000K), 11,843Lm (3000K) and 11,468Lm (2700K).
- Luminaire flux (delivered lumens) 12,324Lm (4000K / 6000K), 10,659Lm (3000K) and 10,321Lm (2700K).
- Total system watts 80cW.
- Luminaire efficacy up to 154Lm/cW.
- Colour temperature options available are 2700K, 3000K, 4000K, 6000K.
- -20 to +40°C operating temperature.
- Control options available are DALI, NEMA Socket^{#3}, AstroDIM and Spill Shield.
- Post-top or side-entry, 60mm / 76mm spigot options.
- Optional highway brackets, adaptors and wall mount brackets available.
- Any painted RAL colour finish.
- 5 year manufacturer's warranty.

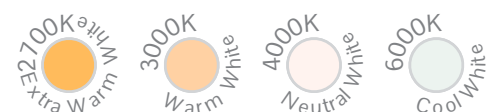
Benefits

- IP65-IP66^{#4} / IK08 rated for robust durability in tough environments.
- LED Lifespan >100,000hrs L90B10.
- Osram LEDs and Osram Driver for trusted quality and reliability.
- Easy access to LED and Driver via a removable head for maintenance.
- Pre-wired with 10m cable for easy installation.
- Recessed light source with less than 0.5% upward light ratio.
- Choice of optimised optics for high uniformity and maximum spacing between columns.
- Optional Spill Shields for controlled light distribution.
- Compliant with Dark Skies recommendations (3000K + DALI control option).
- Bat & Insect friendly (2700K + DALI control option).

Painted Options



Kelvin Options



^{#1} 3000K + DALI control / dimmable option.

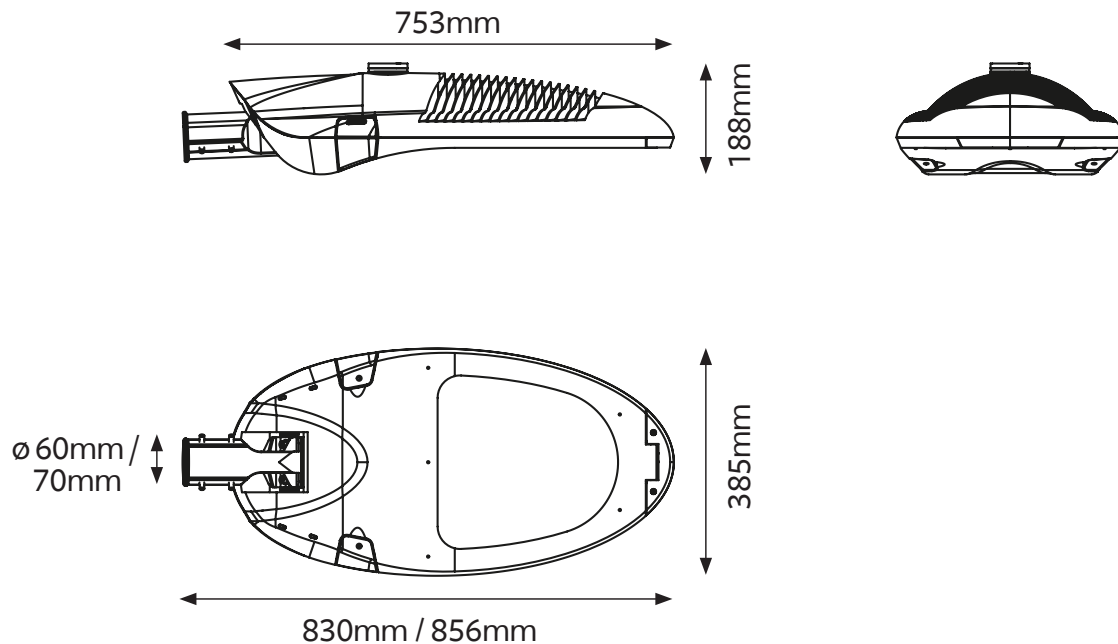
^{#2} 2700K + DALI control / dimmable option.

^{#3} Photocell not included, order code LIT-0010.

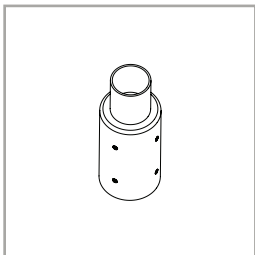
^{#4} IP66 with non-NEMA, IP65 with NEMA.

* 5 Year manufacturer's warranty.

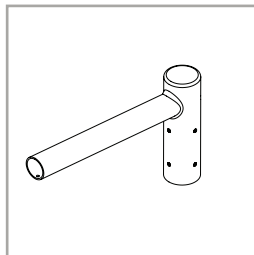
Dimensions



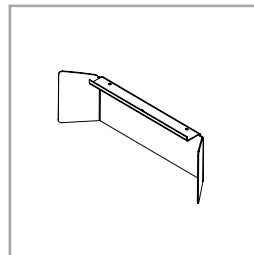
Add-Ons



Spigot Adaptors available, contact sales for information.



Outreach arms available, contact sales for information.



Spill Shields available, contact sales for information.

Applications



Roads



Railway Stations



Parks & Gardens



Residential

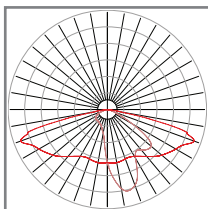


Retail Parks

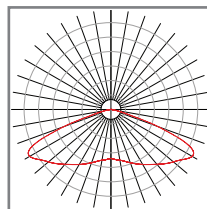
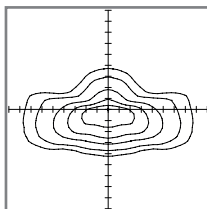


Security

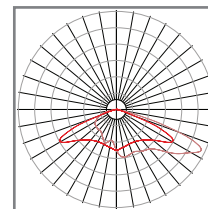
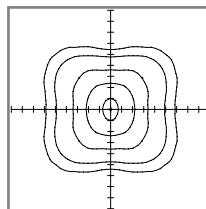
Photometric Data



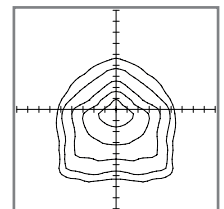
Optic 1 - Type II/III (long) beam for very wide pole to pole distances. Ideal for pedestrian paths and residential roads.



Optic 2 - IESNA Type V (circular 360°) beam for wide area lighting such as car parks.



Optic 2 - IESNA Type V (circular 360°) beam for wide area lighting such as car parks.



NB: photometric images are indicative.

Need a Lighting Design?

We offer a free of charge design service, contact our team today: studio@gemmalighting.com.

Specifications

Conquest 80W LED Street Light

Item Number	Description	Light Source	LED Rating (Lm)	Total System Power (cW)	CCT (K)	CRI	Voltage (VDC)	LED Drive Current (mA)	Luminaire Flux (Llm)	Luminaire Efficacy (Llm/cw)	Weight (Kg)	Spigot Size (mm)	Unit Colour
80W - STANDARD - GREY - 76MM SPIGOT - LED STREET LIGHT													
CQ80-A4C-00G-76-1	CONQUEST-80W-LED-AC-6000K-STD-GREY-76MM-OPTIC1	LED	13,694	80	6000K	RA>70	220-240	410	12,324	154	14	76	GREY
CQ80-A4N-00G-76-1	CONQUEST-80W-LED-AC-4000K-STD-GREY-76MM-OPTIC1	LED	13,694	80	4000K	RA>70	220-240	410	12,324	154	14	76	GREY
CQ80-A4W-00G-76-1	CONQUEST-80W-LED-AC-3000K-STD-GREY-76MM-OPTIC1	LED	11,843	80	3000K	RA>80	220-240	410	10,659	133	14	76	GREY
CQ80-A4X-00G-76-1	CONQUEST-80W-LED-AC-2700K-STD-GREY-76MM-OPTIC1	LED	11,468	80	2700K	RA>80	220-240	410	10,321	129	14	76	GREY
80W - STANDARD - GREY - 60MM SPIGOT - LED STREET LIGHT													
CQ80-A4C-00G-60-1	CONQUEST-80W-LED-AC-6000K-STD-GREY-60MM-OPTIC1	LED	13,694	80	6000K	RA>70	220-240	410	12,324	154	14	60	GREY
CQ80-A4N-00G-60-1	CONQUEST-80W-LED-AC-4000K-STD-GREY-60MM-OPTIC1	LED	13,694	80	4000K	RA>70	220-240	410	12,324	154	14	60	GREY
CQ80-A4W-00G-60-1	CONQUEST-80W-LED-AC-3000K-STD-GREY-60MM-OPTIC1	LED	11,843	80	3000K	RA>80	220-240	410	10,659	133	14	60	GREY
CQ80-A4X-00G-60-1	CONQUEST-80W-LED-AC-2700K-STD-GREY-60MM-OPTIC1	LED	11,468	80	2700K	RA>80	220-240	410	10,321	129	14	60	GREY
80W - STANDARD - NEMA SOCKET - GREY - 76MM SPIGOT - LED STREET LIGHT													
CQ80-A4C-06G-76-1	CONQUEST-80W-LED-AC-6000K-STD-Nema-GREY-76MM-OPTIC1	LED	13,694	80	6000K	RA>70	220-240	410	12,324	154	14.25	76	GREY
CQ80-A4N-06G-76-1	CONQUEST-80W-LED-AC-4000K-STD-Nema-GREY-76MM-OPTIC1	LED	13,694	80	4000K	RA>70	220-240	410	12,324	154	14.25	76	GREY
CQ80-A4W-06G-76-1	CONQUEST-80W-LED-AC-3000K-STD-Nema-GREY-76MM-OPTIC1	LED	11,843	80	3000K	RA>80	220-240	410	10,659	133	14.25	76	GREY
CQ80-A4X-06G-76-1	CONQUEST-80W-LED-AC-2700K-STD-Nema-GREY-76MM-OPTIC1	LED	11,468	80	2700K	RA>80	220-240	410	10,321	129	14.25	76	GREY
80W - STANDARD - NEMA SOCKET - GREY - 60MM SPIGOT - LED STREET LIGHT													
CQ80-A4C-06G-60-1	CONQUEST-80W-LED-AC-6000K-STD-Nema-GREY-60MM-OPTIC1	LED	13,694	80	6000K	RA>70	220-240	410	12,324	154	14.25	60	GREY
CQ80-A4N-06G-60-1	CONQUEST-80W-LED-AC-4000K-STD-Nema-GREY-60MM-OPTIC1	LED	13,694	80	4000K	RA>70	220-240	410	12,324	154	14.25	60	GREY
CQ80-A4W-06G-60-1	CONQUEST-80W-LED-AC-3000K-STD-Nema-GREY-60MM-OPTIC1	LED	11,843	80	3000K	RA>80	220-240	410	10,659	133	14.25	60	GREY
CQ80-A4X-06G-60-1	CONQUEST-80W-LED-AC-2700K-STD-Nema-GREY-60MM-OPTIC1	LED	11,468	80	2700K	RA>80	220-240	410	10,321	129	14.25	60	GREY
80W - DALI - 76MM SPIGOT - LED STREET LIGHT													
CQ80-A4C-20G-76-1	CONQUEST-80W-LED-AC-6000K-DALI-GREY-76MM-OPTIC1	LED	13,694	80	6000K	RA>70	220-240	410	12,324	154	14	76	GREY
CQ80-A4N-20G-76-1	CONQUEST-80W-LED-AC-4000K-DALI-GREY-76MM-OPTIC1	LED	13,694	80	4000K	RA>70	220-240	410	12,324	154	14	76	GREY
CQ80-A4W-20G-76-1	CONQUEST-80W-LED-AC-3000K-DALI-GREY-76MM-OPTIC1	LED	11,843	80	3000K	RA>80	220-240	410	10,659	133	14	76	GREY
CQ80-A4X-20G-76-1	CONQUEST-80W-LED-AC-2700K-DALI-GREY-76MM-OPTIC1	LED	11,468	80	2700K	RA>80	220-240	410	10,321	129	14	76	GREY
80W - DALI - 60MM SPIGOT - LED STREET LIGHT													
CQ80-A4C-20G-60-1	CONQUEST-80W-LED-AC-6000K-DALI-GREY-60MM-OPTIC1	LED	13,694	80	6000K	RA>70	220-240	410	12,324	154	14	60	GREY
CQ80-A4N-20G-60-1	CONQUEST-80W-LED-AC-4000K-DALI-GREY-60MM-OPTIC1	LED	13,694	80	4000K	RA>70	220-240	410	12,324	154	14	60	GREY
CQ80-A4W-20G-60-1	CONQUEST-80W-LED-AC-3000K-DALI-GREY-60MM-OPTIC1	LED	11,843	80	3000K	RA>80	220-240	410	10,659	133	14	60	GREY
CQ80-A4X-20G-60-1	CONQUEST-80W-LED-AC-2700K-DALI-GREY-60MM-OPTIC1	LED	11,468	80	2700K	RA>80	220-240	410	10,321	129	14	60	GREY
80W - DALI - NEMA SOCKET - 76MM SPIGOT - LED STREET LIGHT													
CQ80-A4C-26G-76-1	CONQUEST-80W-LED-AC-6000K-DALI-Nema-GREY-76MM-OPTIC1	LED	13,694	80	6000K	RA>70	220-240	410	12,324	154	14.25	76	GREY
CQ80-A4N-26G-76-1	CONQUEST-80W-LED-AC-4000K-DALI-Nema-GREY-76MM-OPTIC1	LED	13,694	80	4000K	RA>70	220-240	410	12,324	154	14.25	76	GREY
CQ80-A4W-26G-76-1	CONQUEST-80W-LED-AC-3000K-DALI-Nema-GREY-76MM-OPTIC1	LED	11,843	80	3000K	RA>80	220-240	410	10,659	133	14.25	76	GREY
CQ80-A4X-26G-76-1	CONQUEST-80W-LED-AC-2700K-DALI-Nema-GREY-76MM-OPTIC1	LED	11,468	80	2700K	RA>80	220-240	410	10,321	129	14.25	76	GREY
80W - DALI - NEMA SOCKET - 60MM SPIGOT - LED STREET LIGHT													
CQ80-A4C-26G-60-1	CONQUEST-80W-LED-AC-6000K-DALI-Nema-GREY-60MM-OPTIC1	LED	13,694	80	6000K	RA>70	220-240	410	12,324	154	14.25	60	GREY
CQ80-A4N-26G-60-1	CONQUEST-80W-LED-AC-4000K-DALI-Nema-GREY-60MM-OPTIC1	LED	13,694	80	4000K	RA>70	220-240	410	12,324	154	14.25	60	GREY
CQ80-A4W-26G-60-1	CONQUEST-80W-LED-AC-3000K-DALI-Nema-GREY-60MM-OPTIC1	LED	11,843	80	3000K	RA>80	220-240	410	10,659	133	14.25	60	GREY
CQ80-A4X-26G-60-1	CONQUEST-80W-LED-AC-2700K-DALI-Nema-GREY-60MM-OPTIC1	LED	11,468	80	2700K	RA>80	220-240	410	10,321	129	14.25	60	GREY

(table continued overleaf)

Specifications (Continued)

Conquest 80W LED Street Light

Item Number	Description	Light Source	LED Rating (Lm)	Total System Power (cW)	CCT (K)	CRI	Voltage (VDC)	LED Drive Current (mA)	Luminaire Flux (Llm)	Luminaire Efficacy (Llm/cW)	Weight (Kg)	Spigot Size (mm)	Unit Colour
80W - ASTRODIM - NEMA SOCKET - 76MM SPIGOT - LED STREET LIGHT													
CQ80-A4C-66G-76-1	CONQUEST-80W-LED-AC-6000K-ASTRO-Nema-GREY-76MM-OPTIC1	LED	13,694	80	6000K	RA>70	220-240	410	12,324	154	14.25	76	GREY
CQ80-A4N-66G-76-1	CONQUEST-80W-LED-AC-4000K-ASTRO-Nema-GREY-76MM-OPTIC1	LED	13,694	80	4000K	RA>70	220-240	410	12,324	154	14.25	76	GREY
CQ80-A4W-66G-76-1	CONQUEST-80W-LED-AC-3000K-ASTRO-Nema-GREY-76MM-OPTIC1	LED	11,843	80	3000K	RA>80	220-240	410	10,659	133	14.25	76	GREY
CQ80-A4X-66G-76-1	CONQUEST-80W-LED-AC-2700K-ASTRO-Nema-GREY-76MM-OPTIC1	LED	11,468	80	2700K	RA>80	220-240	410	10,321	129	14.25	76	GREY
80W - ASTRODIM - NEMA SOCKET - 60MM SPIGOT - LED STREET LIGHT													
CQ80-A4C-66G-60-1	CONQUEST-80W-LED-AC-6000K-ASTRO-Nema-GREY-60MM-OPTIC1	LED	13,694	80	6000K	RA>70	220-240	410	12,324	154	14.25	60	GREY
CQ80-A4N-66G-60-1	CONQUEST-80W-LED-AC-4000K-ASTRO-Nema-GREY-60MM-OPTIC1	LED	13,694	80	4000K	RA>70	220-240	410	12,324	154	14.25	60	GREY
CQ80-A4W-66G-60-1	CONQUEST-80W-LED-AC-3000K-ASTRO-Nema-GREY-60MM-OPTIC1	LED	11,843	80	3000K	RA>80	220-240	410	10,659	133	14.25	60	GREY
CQ80-A4X-66G-60-1	CONQUEST-80W-LED-AC-2700K-ASTRO-Nema-GREY-60MM-OPTIC1	LED	11,468	80	2700K	RA>80	220-240	410	10,321	129	14.25	60	GREY

Legend:

Std = Standard. NEMA = NEMA Socket. DALI = DALI Driver. Astro = AstroDIM Driver.
X = 2700K (Extra Warm White). W = 3000K (Warm White) . N = 4000K (Neutral White). C = 6000K (Cool White).

Options:

Optic 2= Change ‘-1’ to ‘-2’. Optic 3= Change ‘-1’ to ‘-3’.
NEMA Socket = Photocell not included, to order separately, use code LIT-0010.
AstroDIM = Default setting is 100% On / Dim to 30% at middle point of night.

Project Example



Looking for a Different LED Street Light?

We have a collection of LED street lights, with a range of outputs on our website:
www.gemmalighting.com/product-category/led-street-lighting/



Disclaimer:

All figures +/-10% and specified at 25°C ambient unless stated. Due to constant product development and improvements, Gemma Lighting Ltd reserves the right to change specifications without prior notification or public announcement. Information correct at the time of publication; V250403.

Contact Us

Gemma Lighting Ltd,
Unit 3, Marshlands Spur, Farlington,
Portsmouth, Hampshire, UK, PO6 1RX.

www.gemmalighting.com



+44 (0) 2392 315 911