

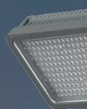
SCHRÉDER BRITELINE

Powerful, modular and dynamic floodlight platform for sports and infrastructure applications



ENJOY TOTAL MODULARITY

Designed to meet the complex demands of large-area lighting, the highly modular BRITELINE floodlight platform offers three sizes with dual-level adjustability. This ensures precise orientation and full compliance with transport, logistics and sports infrastructure requirements.



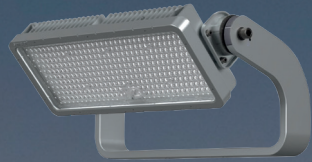
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2 | INTELLIGENT LIGHT + PERFORMANCE®

BRITELINE SPORTS & FLOOD LIGHTING SOLUTIONS



BRITELINE SIZE 1

Lumens: 53,200–110,400

LEDs: 234–351

Wattage: 620–630W

27.8" L x 14.25" W x 15.55" H

Weight: 28lbs



BRITELINE SIZE 2

Lumens: 106,100–220,200

LEDs: 468–702

Wattage: 1,220–1250W

27.8" L x 15.6" W x 25.4" H

Weight: 45lbs



BRITELINE SIZE 3

Lumens: 159,200–330,300

LEDs: 702–1053

Wattage: 1,830–1860W

27.8" L x 16.3" W x 33.3" H

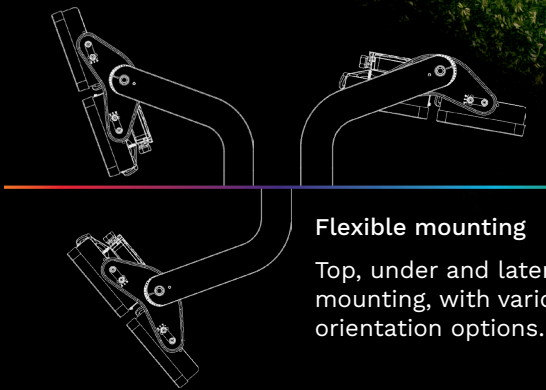
Weight: 64lbs





INTELLIGENT LIGHT + PERFORMANCE®

4



Flexible mounting
Top, under and lateral
mounting, with various
orientation options.

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BEATING THE COMPETITION

Lightweight

BRITELINE offers powerful lighting into a compact, lightweight design weighing less than 64lbs that can be effortlessly mounted on existing poles. No structural upgrades are needed and a one-bolt fixation option is available.

Easy to service

Thanks to its remote driver option, servicing is quick and safe, and can be done from ground level - hassle-free and with minimal downtime.

Built to last

Durable, reliable and low maintenance – BRITELINE provides high performance over time, even in harsh environments.

Modular

Available in 1, 2, or 3 modules, Lowest EPA/CxS

Robust

Corrosion resistant up to C5 high grade PC lens material, IK10 and IP66 rated, optional glass protection

Compact and Light

Less than 64lbs (29kg)

Flexible Settings

Adjustable independent orientation

Powerful

Up to 340klm delivered

Efficient

Up to 190lm/W

Each module can be oriented individually, from -15° to $+15^{\circ}$

360° orientation

Improved Photometry

9 collimators and asymmetric optics, 13 optic mixes with optional Louvres and an adjustable aiming device

Compact Driver

600–1200–1800W = 13lbs (6kg)
integrated or remote up to 985ft (300m)
DALI2 – DMX-RDM
Constant Light Output programming
Optional Zhaga socket
Optional Surge Protection

ADAPTABLE FOR ANY TENNIS FACILITY

NLS has an experienced in-house design team to provide layouts and photometric designs at no charge based on USTA and National Pickleball Association Published Lighting Criteria.

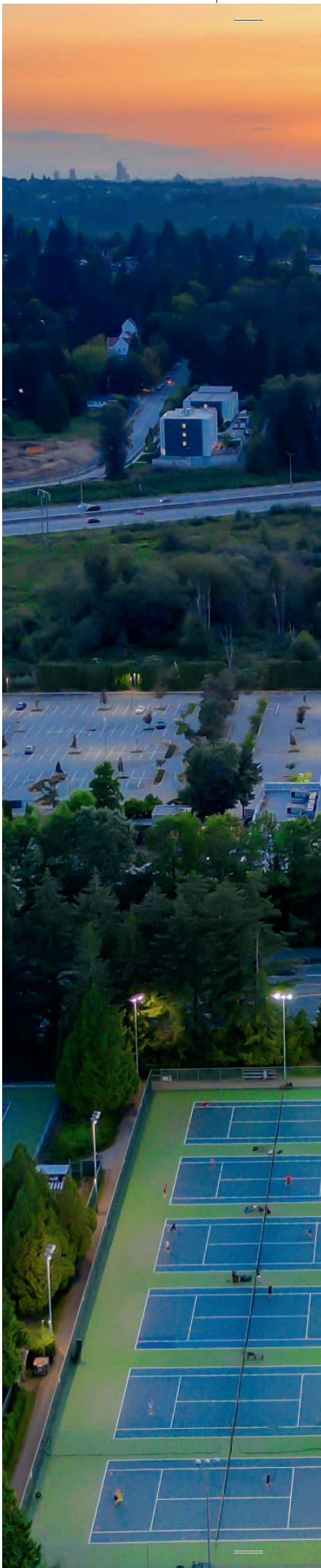
RECOMMENDED HORIZONTAL ILLUMINATION				
Performance Criteria	Class I	Class II	Class III	Class IV
Average Maintained Horizontal Footcandles within PPA (1,2,4)	125+ (1250 lux)	75+ (750 lux)	50+ (500 lux)	30+ (300 lux)
Minimum Maintained Horizontal Footcandles within PPA (2,4)	100+ (1000 lux)	60+ (600 lux)	40+ (400 lux)	20+ (200 lux)
Maximum Uniformity Ratio (3)	1.5	1.7	2.0	2.0

RECOMMENDED VERTICAL ILLUMINATION				
Performance Criteria	Class I	Class II	Class III	Class IV
Average Maintained Vertical Footcandles within PPA (1,2,4)	50+ (500 lux)	30+ (300 lux)	20+ (200 lux)	NA
Maximum Uniformity Ratio (3)	2.0	3.0	3.0	NA

- Notes:**
- Maintained footcandles is determined by applying a light loss factor (LLF) to the initial or measured footcandles. LLF is dependent upon lamp characteristics, fixture maintenance, voltage variations and atmospheric conditions. It normally varies between .6 and .85. Consult the Illuminating Engineering Society handbook and fixture manufacturer's publications for proper LLF values.
 - Average maintained and minimum maintained footcandles should be calculated within the Primary Playing Area (PPA) with the footcandle values multiplied by the appropriate LLF.
 - Uniformity ratio is defined as the ratio of the maximum footcandles divided by the minimum footcandles.
 - Primary Playing Area (PPA) is defined as the area that includes 6' beyond the sidelines and 10' behind the baseline.

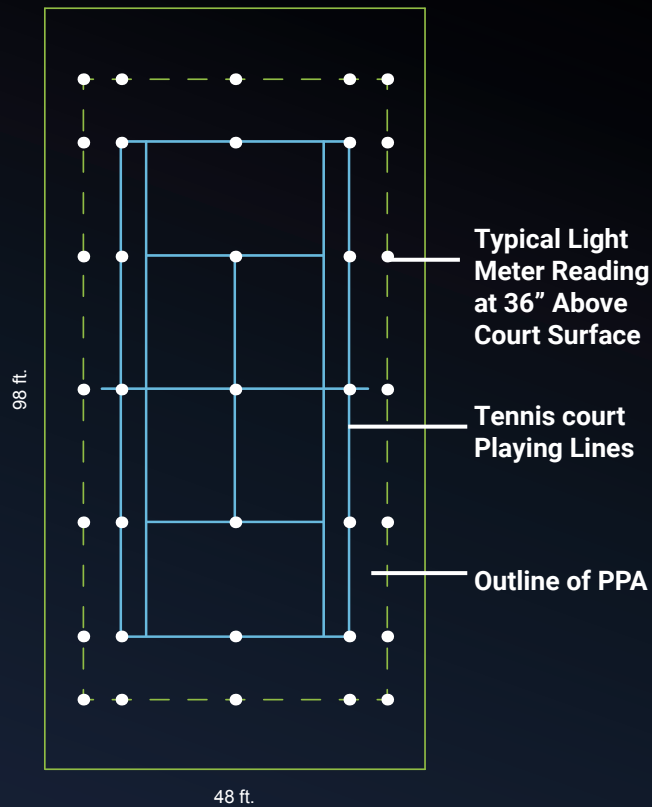
TYPICAL FACILITY CLASSIFICATIONS			
Class I (1)	Class II	Class III	Class IV
PROFESSIONAL	College (2)	College (4)	High School (6)
INTERNATIONAL	Tennis Clubs (6)	High School (6)	Tennis Clubs (6)
SATELLITE	Residential (6)	Tennis Clubs (6)	Parks & Recreation (6)
CHALLENGER	Parks & Recreation (6)	Residential (6)	College (5)
COLLEGE	-	Parks & Recreation (6)	-

- Notes:**
- Class I facilities generally involve broadcast quality television production. These facilities will include permanent spectator accommodations.
 - Facilities that host intercollegiate play, but without broadcast television requirements. These facilities may have permanent or temporary seating.
 - Professional tennis events without broadcast television requirements.
 - Collegiate facilities primarily used for practice or for intramural or recreational play.
 - Collegiate facilities used strictly for recreational play.
 - Please note that some facility types appear in multiple categories. Illumination levels for a specific facility should be chosen based on the highest skill level, or spectator and television requirements that will take place at the facility. It is recognized that older players require higher light levels. Facilities with older average player ages should be designed for higher levels of light.





Example of the 35 points comprising the U.S.T.A. Primary Playing Area (PPA)



Photometric analysis should extend to the Primary Playing Area (PPA) of each court, which extends 6 feet outside the doubles sidelines and 10 feet behind the baselines.

ASBA lighting standards have been established taking the PPA into account. The PPA is included because tennis is a sport that is played not only within the court itself but around the court, so it is important to ascertain the adequacy of the lighting in all of this space. If the lighting is not right, then the player's eyes will have difficulty tracking the ball as it moves through the court.

Heather Blythe
USTA PPA Lighting
Requirements Letter Excerpt

INTELLIGENT LIGHT • PERFORMANCE



EASY TO CONFIGURE

ORDERING

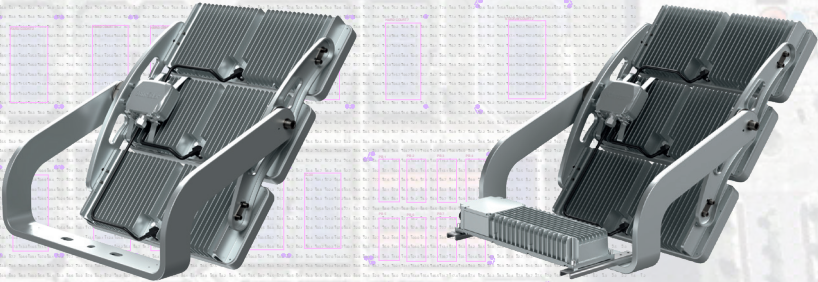
INTELLIGENT LIGHT + PERFORMANCE®

FAMILY	# OF LEDS	COLOR TEMP/CRI	OPTICS	VOLTAGE	WATTAGE	DRIVER MOUNTING	# OF CIRCUITS
Briteline Size 1	234 LEDs 351 LEDs	3000K, 70 CRI	8° External Louvre ¹²	277V-480V, 50-60Hz	600W ^{2, 14}	U-Bracket (360° Adjustable) Individual OB tilting (±15°) - Standard	Sing Circu (Max c Drive
		4000K, 70 CRI	15° External Louvre ¹³	Constant Lumen Output 277V-480V ^{1, 7}	1200W ^{3, 14}		
	702 LEDs	5700K, 70 CRI	30° External Louvre ¹³		1800W ^{4, 14}	Choose One Integral Driver Bracket	Doub Circu (Max c Circuit 4 Drive
Briteline Size 2	702 LEDs 1053 LEDs	3000K, 80 CRI	30° Internal Louvre ¹³			Bracket for Attached Driver (Driver Holder Kit & 1.2m JB-DRV cable included)	
		4000K, 80 CRI	35° Internal Louvre ¹³				
		5700K, 80 CRI	55° Internal Louvre ¹³ Narrow Beam				
		4000K, 90 CRI	55° Internal Louvre ¹³ Medium Beam				
Briteline Size 3		5700K, 90 CRI				Bracket for Remote Driver	



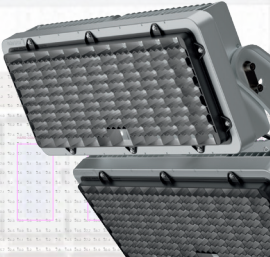


Briteline with Omnibox



Briteline without Omnibox

Glare control options



External Louvres



Internal Louvres

OVER TING	# OF CIRCUITS	DIMMING	SURGE PROTECTION	REMOTE DRIVER BOX	LENS/ PROTECTOR	COLOR	CONTROL OPTIONS	OPTICS
t able) tilting ard	Single Circuit (Max of 6 Drivers)	DALI ⁸	10kV	OMNIBOX XL (Optional Driver Boxes for remote installation) Order as a separate line item	PC Integrated Lens (Standard) Anti-Reflective Glass (Optional)	Natural Anodized (RAL9006)	Custom Controls Integration	Front-Side Visor 1 Size 1 ^{2, 15}
tegral ket	Double Circuit (Max of 2 Circuits of 4 Drivers)	DMX	20kV					Front-Side Visor 1 Size 2 ^{3, 15}
ached older Kit cable		NOTES:						Front-Side Visor 1 Size 3 ^{4, 15}
or ver		1. Consult Factory for application assistance, availability & lead time			9. Please contact Factory for Custom Control Integration request (ITERRA, Synapse, Pharos or other control systems)			Front-Side Visor 2 Size 1 ^{2, 16}
		2. Size 1 Only			10. For use with 5468-SY8 optics			Front-Side Visor 2 Size 2 ^{3, 16}
		3. Size 2 Only			11. For use with 5469-ASY30, 5470-ASY35, 5472-ASY55NB, 5473-ASY55MB, 7218-SY15, 7219-SY30 optics			Front-Side Visor 2 Size 3 ^{4, 16}
		4. Size 3 Only			12. For use with BRITEL31 234 LED, BRITEL32 468 LED and BRITEL33 702 LED			
		5. Maximum remote driver mounting distance is 984.25ft.			13. For use with BRITEL31 351 LED, BRITEL32 702 LED and BRITEL33 1053 LED			
		6. Controls are optional and remotely installed. Consult Factory for application assistance with integrating controls systems			14. Nominal Wattage. Please refer to lumen chart for exact wattage for each configuration			
		7. CLO option may be used to maintain constant light output over the life of the LEDs by driving them at a reduced current when new, then gradually increasing the drive current over time to counteract LED lumen degradation. Must complete form with required settings, when placing order			15. Only for Asymmetric Optics			Briteline Aiming Device w/Mounting Accessory
		8. Optional for Remote Driver Installations Only			16. Only for Symmetric Optics			

LIGHTING WHAT, WHERE, WHEN, AND HOW YOU NEED IT

From sports arenas to large areas and logistics sites, BRITELINE offers full control with unmatched flexibility.

Compatible with advanced local or remote control systems, BRITELINE transforms your installation into a dynamic lighting platform.

Get the right light exactly where — and how — you need it.

Full power

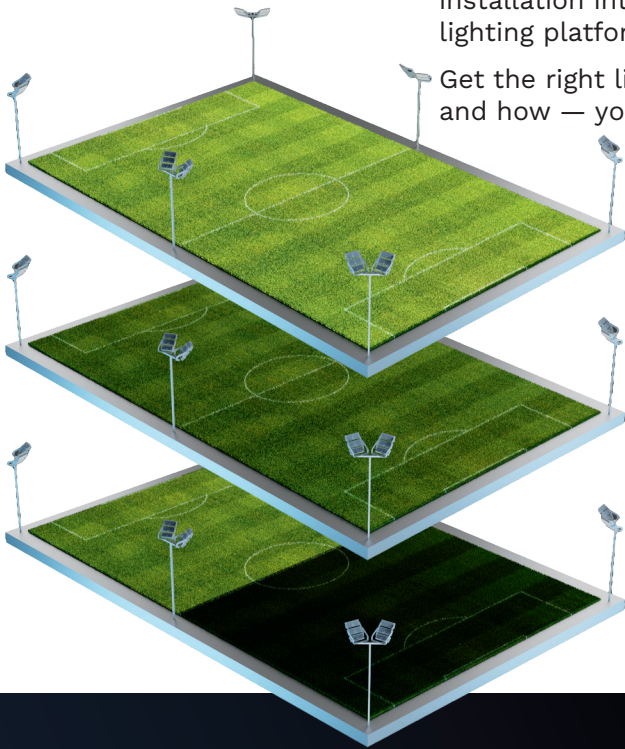
Light up your environment at full intensity to meet professional standards and ensure perfect visibility.

Dimmed

Reduce the intensity to suit the activity and the need of the moment, saving energy without compromising performance.

Partially switched off

Switch off the luminaires in areas that are not in use to cut energy costs and extend the system's lifespan.



INTELLIGENT LIGHT + PERFORMANCE®



DMX



Discover our
control solutions

ELEVATE THE EXPERIENCE

The right Color Rendering Index (CRI) is the key to clarity and an unforgettable visual performance.

With options ranging from CRI 70 to 90, BRITELINE delivers lighting performance tailored to the specific demands of each environment or situation. When combined with the color temperature, an appropriate CRI allows for more

accurate perception, reducing visual fatigue and helping operators and spectators alike to better interpret their surroundings. It is an essential factor in both operational efficiency, people's safety, and their experience.



CRI 70 Maximize Efficiency

Optimized for large-scale infrastructure, industrial sites and multi-use sports grounds, it ensures reliable illumination while keeping efficiency at its peak.

CRI 80 The Perfect Balance

CRI 80 is the go-to for spaces that demand both function and visual comfort, ideal for ports, logistics hubs and professional sports stadiums.

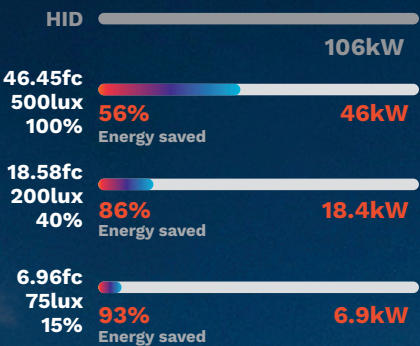
CRI 90 High Visual Impact

For environments where every detail counts, CRI 90 provides exceptional color accuracy and clarity. It is perfect for televised arenas, premium sports venues and safety-critical zones.

Energy Savings

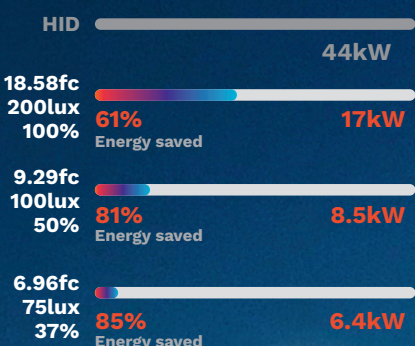
Class 1 Professional*

Total Power	46,360 W
Total Number of Floodlights	28
Floodlights per pole	7



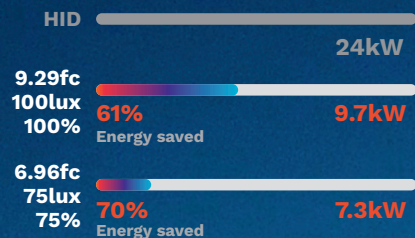
Class 2 Semi-Professional

Total Power	17,000 W
Total Number of Floodlights	12
Floodlights per pole	3



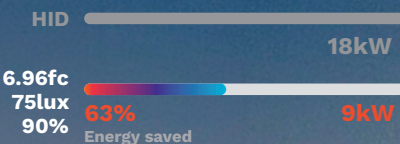
Class 3 Amateur

Total Power	9,760 W
Total Number of Floodlights	8
Floodlights per pole	2



Class 4 Amateur

Total Power	6,580 W
Total Number of Floodlights	4
Floodlights per pole	1



* Class One Professional is the entry level for professional venues, colleges requiring a minimum of 75 footcandles and professional venues requiring a minimum of 100 footcandles can easily surpass these numbers because of their stadium size and need for TV broadcast requirements.

No fly balls lost in the lights,
only performance brought to a new level of excellence.



Schröder Briteline,
the extra player on your team

INTELLIGENT LIGHT + PERFORMANCE®

13

CUTTING-EDGE OPTIC TECHNOLOGY

LIGHT WHERE IT MATTERS

Maximum Coverage

Perfect, uniform lighting that maximizes the usability of the space and improve users safety.

Focused efficiency

Targeted illumination with customized photometry reduces glare and saves energy resources.

Environmental compliance

Minimize light pollution to comply with local standards and preserve night-time surroundings.

- **Enhanced comfort and visibility**
- **Maximum safety**
- **Optimized energy consumption and minimal maintenance**
- **Full compliance with local regulations and sports standards**

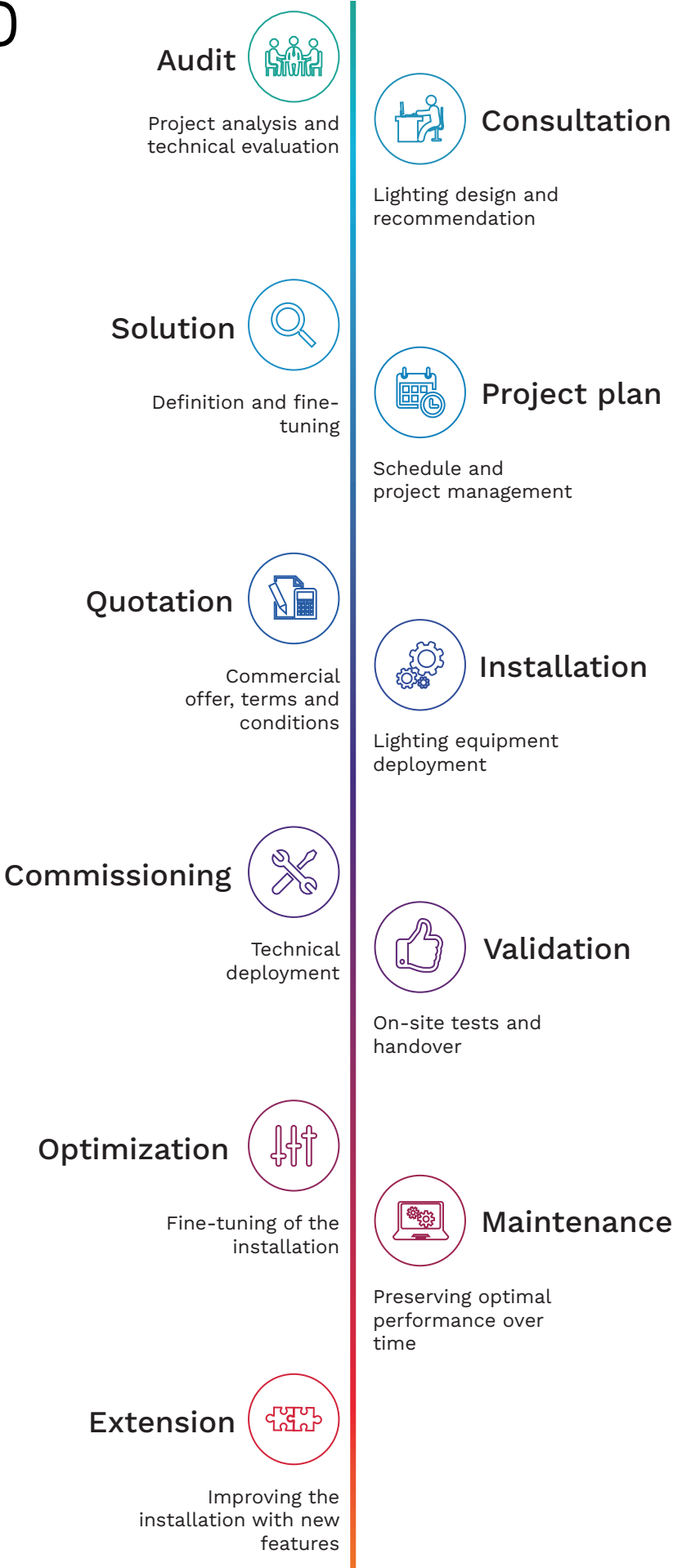


AN END-TO-END SOLUTION FOR TOTAL PEACE OF MIND

With NLS Lighting, you get more than a luminaire – you get a full scope solution, tailored to your exact need. Our team of experts audit your environment and carry out photometric studies to design the best solution. Our goal is to facilitate a smooth installation with minimal disruption to your business and to give you peace of mind throughout the entire project.



Let's discuss your project together





FIXTURES & POLES | BUY AMERICA(N) | QUICKSHIP FLASH



AREA, SITE
& ROADWAY



ARCHITECTURAL
& DECORATIVE
POST TOP



BOLLARDS
& COLUMNS



FLOODLIGHTS



WALL MOUNT



GARAGE, CANOPY
& CEILING



TENNIS &
PICKLEBALL



POLES
& BASES



ARMS



ACCESSORIES

nslighting.com

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