

TRAC

COLLECTION
FORM - FUNCTION - RELIABILITY

NLS
LIGHTING

TRAC
COLLECTION



NLS
LIGHTING

TRAC
COLLECTION

The TRAC Collection of products is designed to meet the stringent desire of architects and specifiers for ultimate design flexibility. Giving the ability of architectural design freedom and the simplistic elegance of the rectilinear form. Architectural styles complemented with high-performance optics in the family of products, including bollards and wall sconces, to provide consistent design philosophy. -TRAC Collection

FORM

TRC - 5

FORM

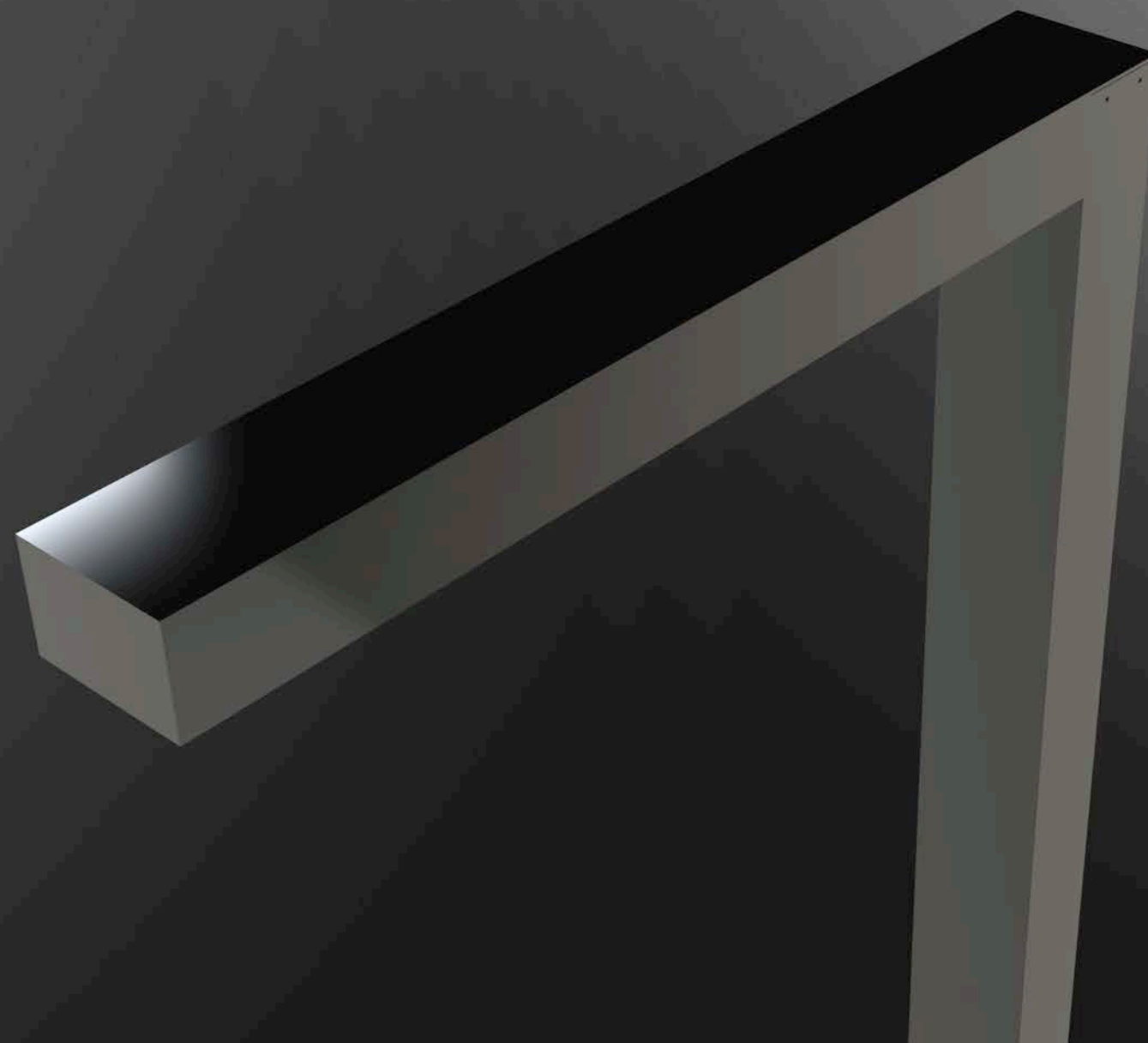
- 5 Architectural Sizes Available for any Project Scale
- 2 Architectural Wall Sconces
- 2 Architectural Bollards
- 1 Architectural Pendant/Ceiling Mount
- Elegant Rectilinear Extruded Aluminum Housing
- Corrosion Resistant External Hardware

FUNCTION

TRC - 4

FUNCTION

- Micro Optics IES Distributions T2, T3, T4, T5
- 0-10V Dimming Drivers
 - THD @ Max Load < 15%
 - Power factor @ Max Load < 0.95
- Amber (565nm), 2700K, 3000K, 3500K, 4000K, 5000K
- 16L to 64L LED Configuration
- 18-205 Watts (Single Head Wattage)
- CRI: 70, 80
- Extruded Aluminum Heat Sink
- Driver Separate from Light Engine for Superior Thermal Management
- 5 mils Powder Coat



RELIABILITY

TRC - 3

RELIABILITY

- L70 173,000 Hours
- Silicone Micro Optics
- 5 Year Standard Warranty
- IP 65 Rated Fixture
- IP67 Optics
- UL Listed

TRAC
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TRAC

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TRAC Collection is a sleek, high-performance architectural LED luminaire family featuring Silicone Micro Optics with excellent thermal management. With flexibility in mind, the TRAC Luminaire can be used in all outdoor lighting applications. Modern and classic architectural settings. Its minimalistic and elegant features are coupled with unmatched performance and unrivaled visual comfort. Exceptional for use in pedestrian scale environments, office parks, shopping centers, squares, parks, and parking lots.



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DESIGN

TRC - 2

DESIGN

- Full Cutoff Design
- Recessed Optics
- Design Flexibility
- Precision Access Plate
 - Optional (DC) Dimming Control
 - Mesh Controls
- Machined Optic Plate
 - Powder Coated to Match Finish of Fixture
 - 16 to 64 LEDs (16L - 64L)

PERFORMANCE

TRC - 1

PERFORMANCE

- 2,000-26,000 Lumens
- Excellent Thermal Management Properties
- Low Wattage - High Output
- Dark Sky Compliant
- Full Cutoff

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*Modern contemporary design meets precision engineering
to create a bold, sleek family of luminaires.*

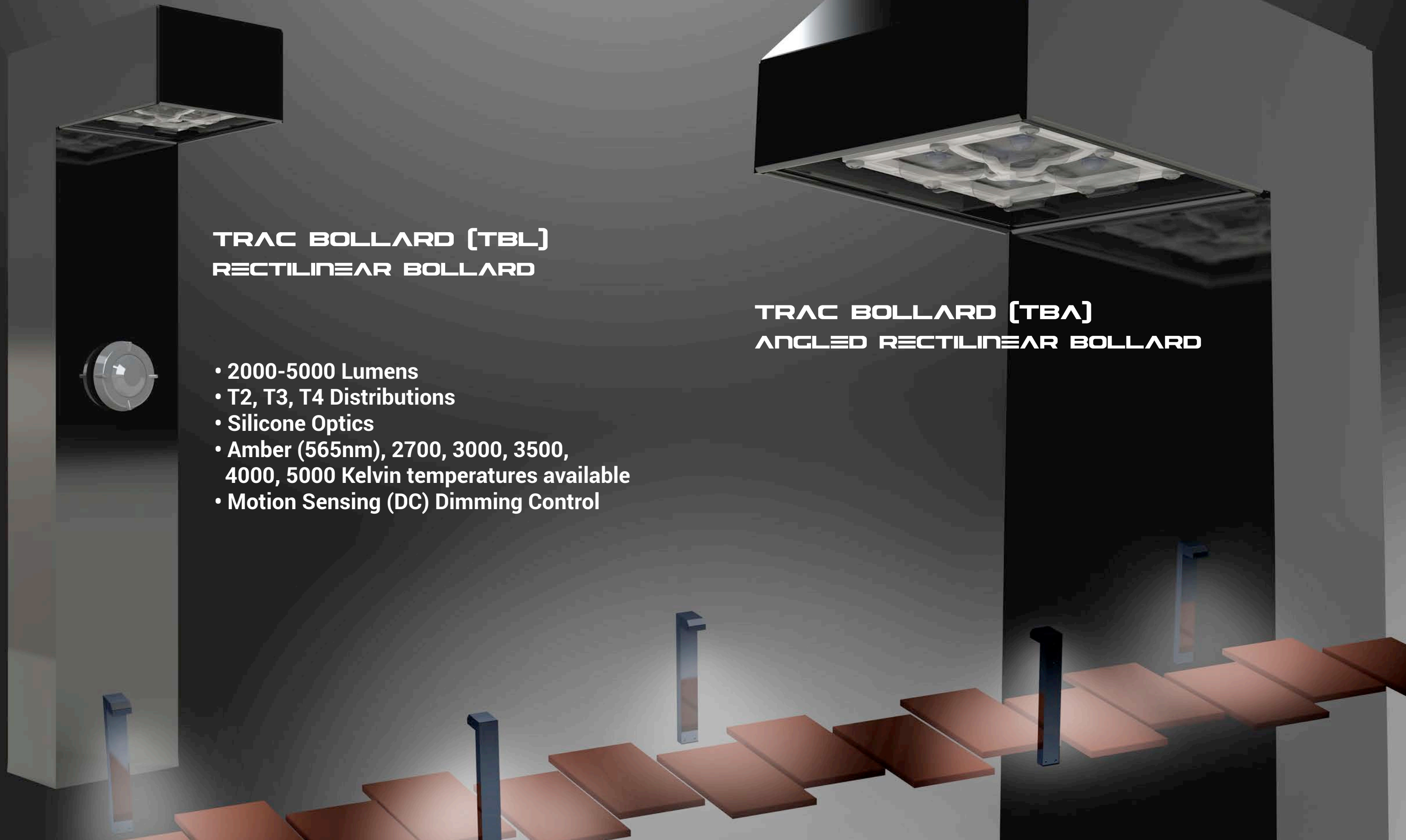


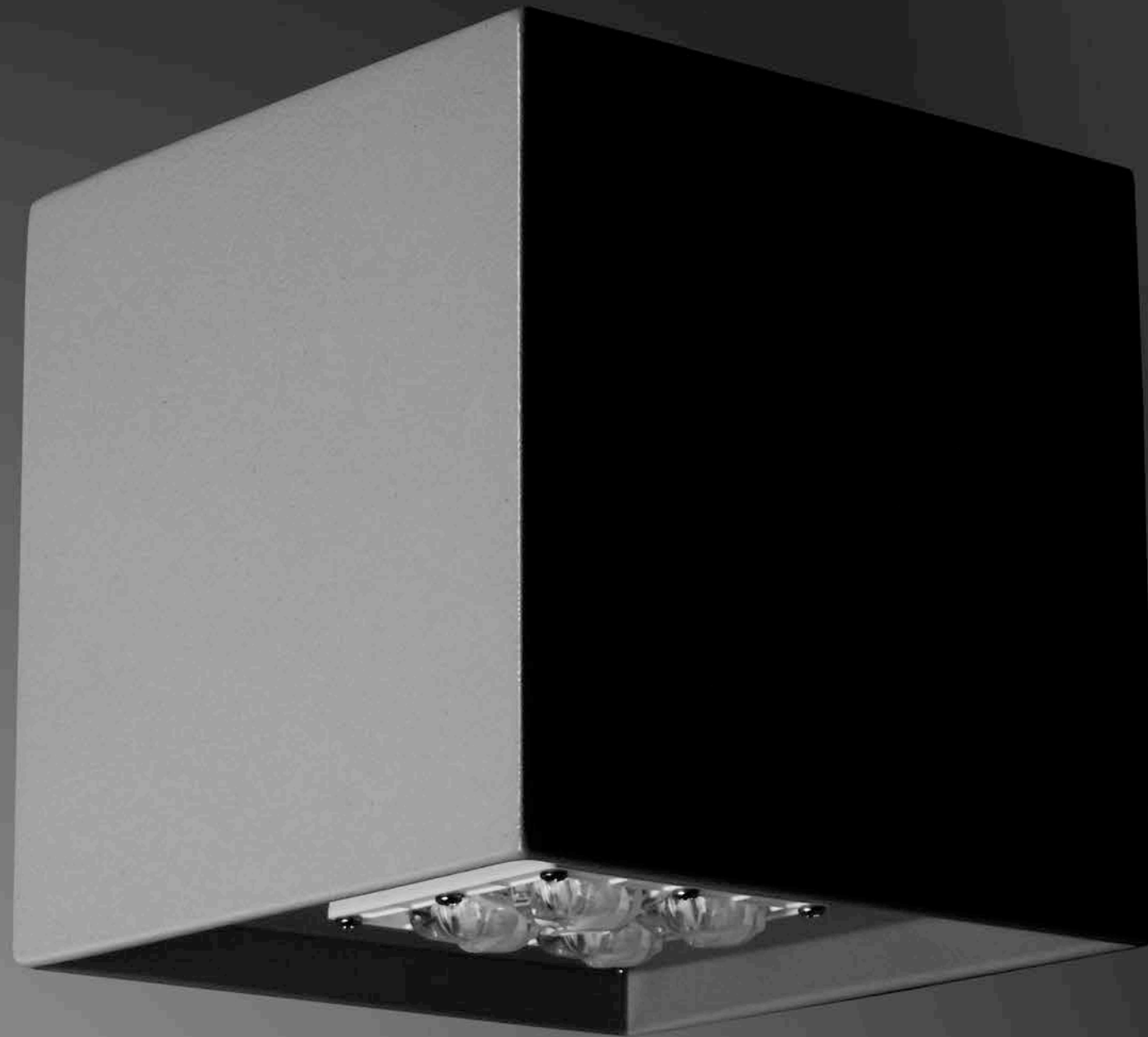


**TRAC BOLLARD (TBL)
RECTILINEAR BOLLARD**

- 2000-5000 Lumens
- T2, T3, T4 Distributions
- Silicone Optics
- Amber (565nm), 2700, 3000, 3500, 4000, 5000 Kelvin temperatures available
- Motion Sensing (DC) Dimming Control

**TRAC BOLLARD (TBA)
ANGLED RECTILINEAR BOLLARD**





TRAC SCONCE (TWA)
ANGLED RECTILINEAR SCONCE

- 2000-5000 Lumens
- T2, T3, T4 Distributions
- Silicone Optics
- Amber (565nm), 2700, 3000, 3500, 4000, 5000 Kelvin temperatures available
- Emergency Egress operational



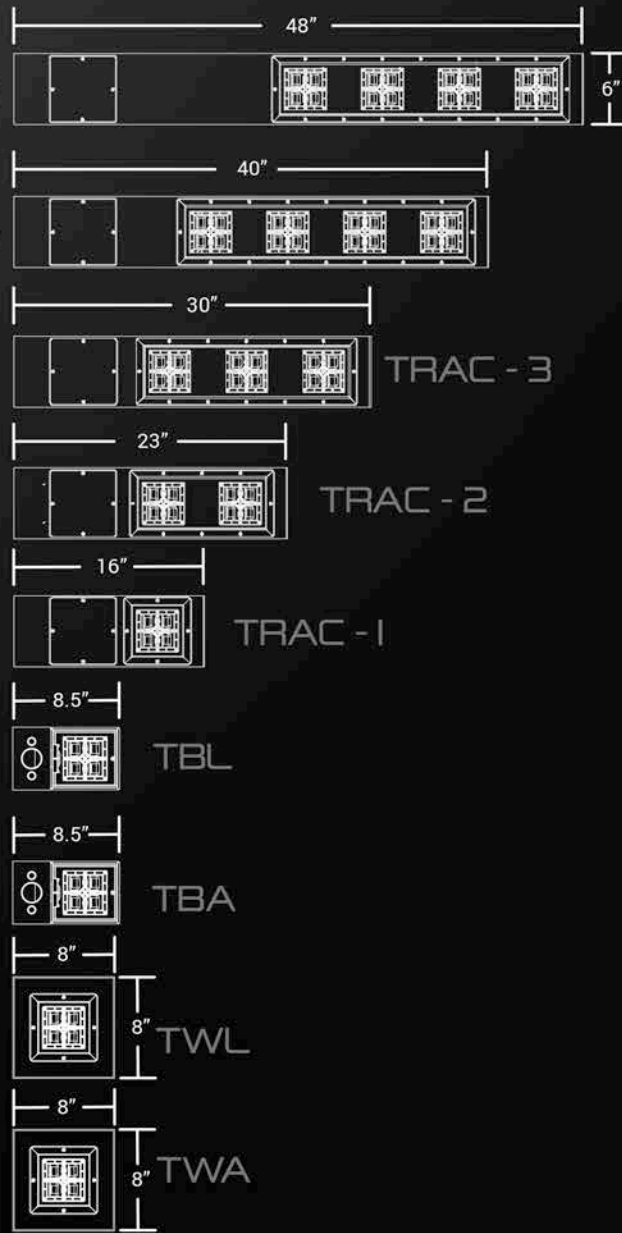
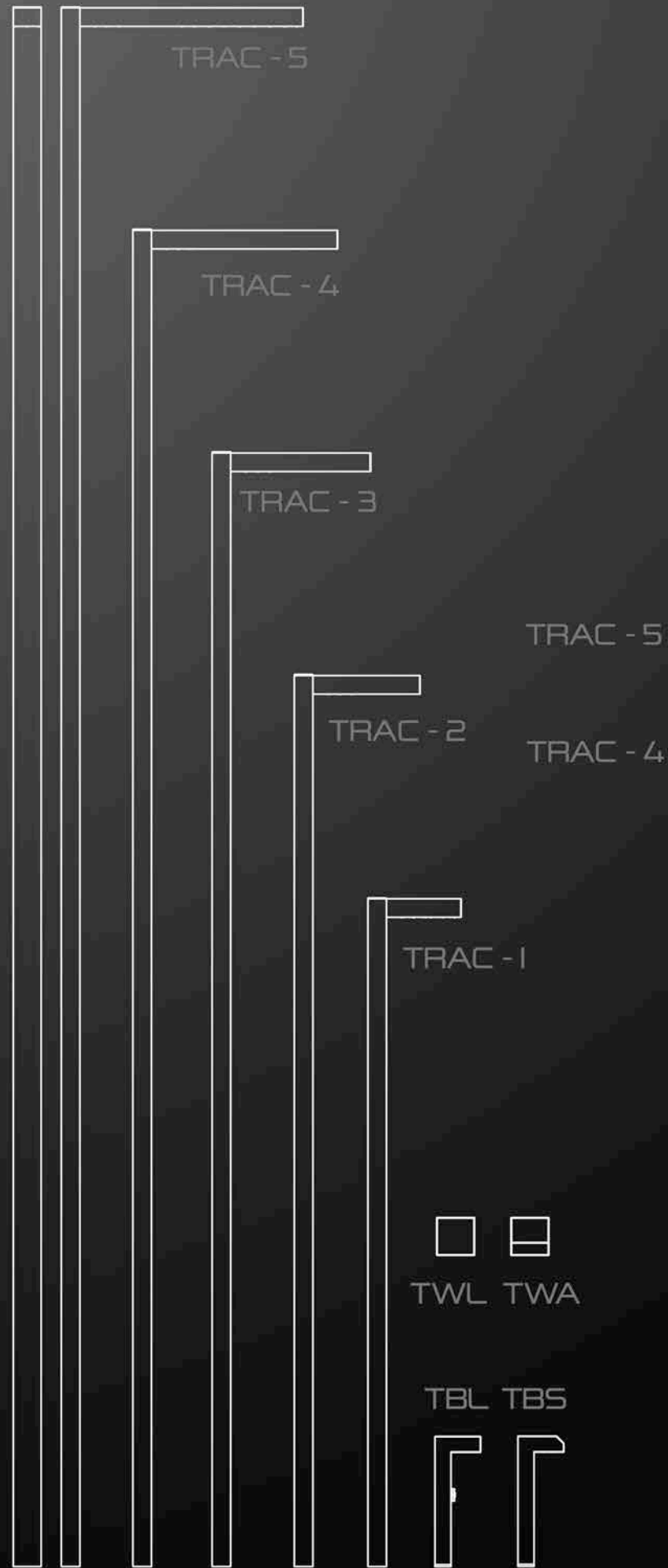
TRAC SCONCE (TWL)
RECTILINEAR SCONCE

- Architectural Wall Sconce
- Architectural Ceiling Mount

CEILING
MOUNT

WALL
MOUNT

TRAC COLLECTION



TRAC Specifications

PART NUMBER	TRAC LUMEN CHART																
	T2	LM/W	DLC	BUG	T3	LM/W	DLC	BUG	T4	LM/W	DLC	BUG	T5	LM/W	DLC	BUG	WATTS
TRC-1-16L-35-30K	2209	117	P	B1-U0-G1	2215	117	P	B1-U0-G1	2187	116	P	B1-U0-G1	2231	118	P	B2-U0-G0	18
TRC-1-16L-35-40K	2268	126	P	B1-U0-G1	2286	127	P	B1-U0-G1	2250	125	P	B1-U0-G1	2304	128	P	B2-U0-G0	18
TRC-1-16L-35-50K	2376	132	P	B1-U0-G1	2394	133	P	B1-U0-G1	2358	131	P	B1-U0-G1	2412	134	P	B2-U0-G2	18
TRC-1-16L-53-30K	3192	114	P	B1-U0-G1	3220	115	P	B1-U0-G1	3119	113	P	B1-U0-G1	3248	116	P	B2-U0-G1	28
TRC-1-16L-53-40K	3472	124	P	B1-U0-G1	3472	124	P	B1-U0-G1	3444	123	P	B1-U0-G1	3500	125	P	B2-U0-G1	28
TRC-1-16L-53-50K	3612	129	P	B1-U0-G1	3640	130	P	B1-U0-G1	3584	128	P	B1-U0-G1	3668	131	P	B2-U0-G1	28
TRC-1-16L-7-30K	3960	110	P	B1-U0-G1	3960	110	P	B1-U0-G1	3973	109	P	B1-U0-G1	3996	111	P	B3-U0-G1	36
TRC-1-16L-7-40K	4428	123	P	B1-U0-G1	4284	119	P	B1-U0-G1	4212	117	P	B1-U0-G1	4320	120	P	B3-U0-G1	36
TRC-1-16L-7-50K	4644	129	P	B1-U0-G1	4500	125	P	B1-U0-G1	4428	123	P	B1-U0-G1	4500	125	P	B3-U0-G1	36
TRC-1-16L-1-30K	6160	110	S	B1-U0-G1	6384	114	S	B1-U0-G1	6232	112	S	B1-U0-G1	6440	115	S	B3-U0-G1	56
TRC-1-16L-1-40K	6832	122	P	B1-U0-G1	6888	123	P	B2-U0-G2	6776	121	P	B2-U0-G2	6944	124	P	B3-U0-G2	56
TRC-1-16L-1-50K	7168	128	P	B1-U0-G2	7224	129	P	B1-U0-G2	7112	127	P	B2-U0-G2	7280	130	P	B3-U0-G2	56
TRC-1-32L-7-30K	7810	110	S	B1-U0-G2	7810	110	S	B1-U0-G2	7739	109	S	B2-U0-G2	7881	111	S	B3-U0-G2	71
TRC-1-32L-7-40K	9017	127	P	B1-U0-G2	8449	119	P	B1-U0-G2	8307	117	P	B2-U0-G2	8520	120	P	B3-U0-G2	71
TRC-1-32L-7-50K	9159	129	P	B2-U0-G2	8875	125	P	B2-U0-G2	8733	123	P	B2-U0-G2	8946	126	P	B3-U0-G2	71
TRC-1-32L-1-30K	11660	110	S	B2-U0-G2	12084	114	S	B2-U0-G2	11820	112	S	B2-U0-G2	12190	115	S	B4-U0-G2	106
TRC-1-32L-1-40K	12932	122	P	B2-U0-G2	13038	123	P	B2-U0-G2	12826	121	P	B3-U0-G2	13144	124	P	B4-U0-G2	106
TRC-1-32L-1-50K	13568	128	P	B2-U0-G2	13674	129	P	B2-U0-G2	13462	127	P	B3-U0-G3	13780	130	P	B4-U0-G2	106
TRC-3-48L-7-30K	11440	110	S	B2-U0-G2	11440	110	S	B2-U0-G2	11336	109	S	B2-U0-G2	11544	111	S	B4-U0-G2	104
TRC-3-48L-7-40K	13208	127	P	B2-U0-G2	12376	119	P	B2-U0-G2	12168	117	P	B2-U0-G2	12480	120	P	B4-U0-G2	104
TRC-3-48L-7-50K	13520	130	P	B2-U0-G2	13000	125	P	B2-U0-G2	12792	123	P	B2-U0-G2	13104	126	P	B4-U0-G2	104
TRC-3-48L-1-30K	17160	110	S	B3-U0-G3	17784	114	S	B3-U0-G3	17472	112	S	B3-U0-G3	17940	115	S	B4-U0-G2	156
TRC-3-48L-1-40K	19032	122	P	B3-U0-G3	19188	123	P	B3-U0-G3	18876	121	P	B3-U0-G3	19344	124	P	B5-U0-G3	156
TRC-3-48L-1-50K	19968	128	P	B3-U0-G3	20124	129	P	B3-U0-G3	19812	127	P	B3-U0-G3	20280	130	P	B5-U0-G3	156
TRC-4-64L-7-30K	14960	110	S	B2-U0-G2	14960	110	S	B2-U0-G2	14824	109	S	B3-U0-G3	15096	111	S	B4-U0-G2	136
TRC-4-64L-7-40K	17272	127	P	B3-U0-G3	16184	119	P	B3-U0-G3	15912	117	P	B3-U0-G3	16320	120	P	B4-U0-G2	136
TRC-4-64L-7-50K	17680	130	P	B3-U0-G3	17000	125	P	B3-U0-G3	16728	123	P	B3-U0-G3	17136	126	P	B4-U0-G2	136
TRC-4-64L-1-30K	22550	110	S	B3-U0-G3	23370	114	S	B3-U0-G3	22960	112	S	B3-U0-G3	23575	115	S	B5-U0-G3	205
TRC-4-64L-1-40K	25010	122	P	B3-U0-G3	25215	123	P	B3-U0-G3	24805	121	P	B3-U0-G4	25420	124	P	B5-U0-G3	205
TRC-4-64L-1-50K	26240	128	P	B3-U0-G3	26445	129	P	B3-U0-G3	26035	127	P	B3-U0-G4	26650	130	P	B5-U0-G3	205
TRC-5-64L-7-30K	14960	110	S	B2-U0-G2	14960	110	S	B2-U0-G2	14824	109	S	B3-U0-G3	15096	111	S	B4-U0-G2	136
TRC-5-64L-7-40K	17272	127	P	B3-U0-G3	16184	119	P	B3-U0-G3	15912	117	P	B3-U0-G3	16320	120	P	B4-U0-G2	136
TRC-5-64L-7-50K	17680	130	P	B3-U0-G3	17000	125	P	B3-U0-G3	16728	123	P	B3-U0-G3	17136	126	P	B4-U0-G2	136
TRC-5-64L-1-30K	22550	110	S	B3-U0-G3	23370	114	S	B3-U0-G3	22960	112	S	B3-U0-G3	23575	115	S	B5-U0-G3	205
TRC-5-64L-1-40K	25010	122	P	B3-U0-G3	25215	123	P	B3-U0-G3	24805	121	P	B3-U0-G4	25420	124	P	B5-U0-G3	205
TRC-5-64L-1-50K	26240	128	P	B3-U0-G3	26445	129	P	B3-U0-G3	26035	127	P	B3-U0-G4	26650	130	P	B5-U0-G3	205

MODEL	WIDTH	DEPTH	LENGTH	WEIGHT	EPA
TRAC - 5	6"	4"	48"	33	1.33
TRAC - 4	6"	4"	40"	28	1.11
TRAC - 3	6"	4"	30"	21	.83
TRAC - 2	6"	4"	23"	16	.64
TRAC - 1	6"	4"	16"	11	.44
TBL	5"	3"	8.5"	13.5	
TBA	5"	3"	8.5"	13.5	
TWL	8"	8"	8"	7.13	
TWA	8"	8"	8"	7.13	



WHY SILICONE OPTICS?

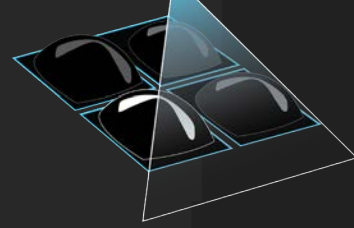
THE LASTING LED LIGHTING SOLUTION

NLS Lighting Silicone Micro Optical System technology takes quality and performance to the highest level.

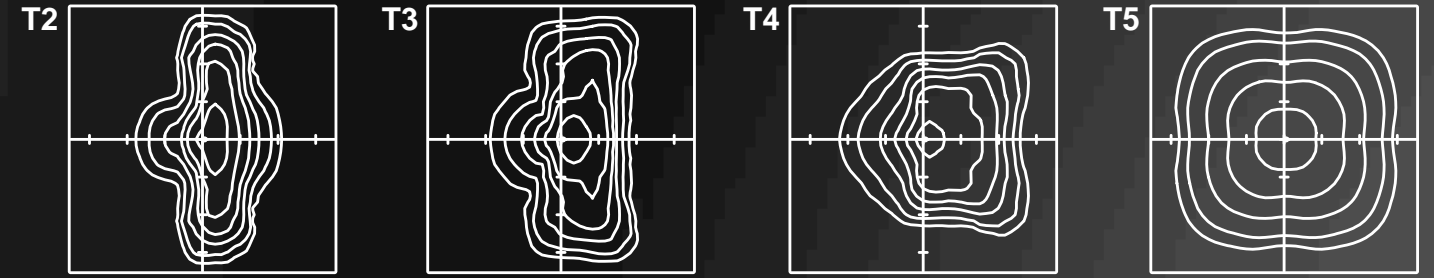
BENEFITS OF SILICONE OVER ACRYLIC

- SILICONE optic withstands harshest weather and dirt conditions
- Exceptional thermal and UV resistance
- Produces superior 96% clarity
- Rated to 150° C (acrylic rated to 85° C)
- Dark Sky Friendly—no glare
- No yellowing, cracking, brittleness, fading, chalking
- Vandal-resistant, IK10, and IP67 Rated

MICROOPTICS



DISTRIBUTION PATTERNS

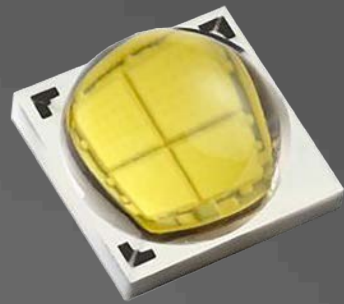


THERMAL AGING TEST

SILICONE POLYCARBONATE ACRYLIC

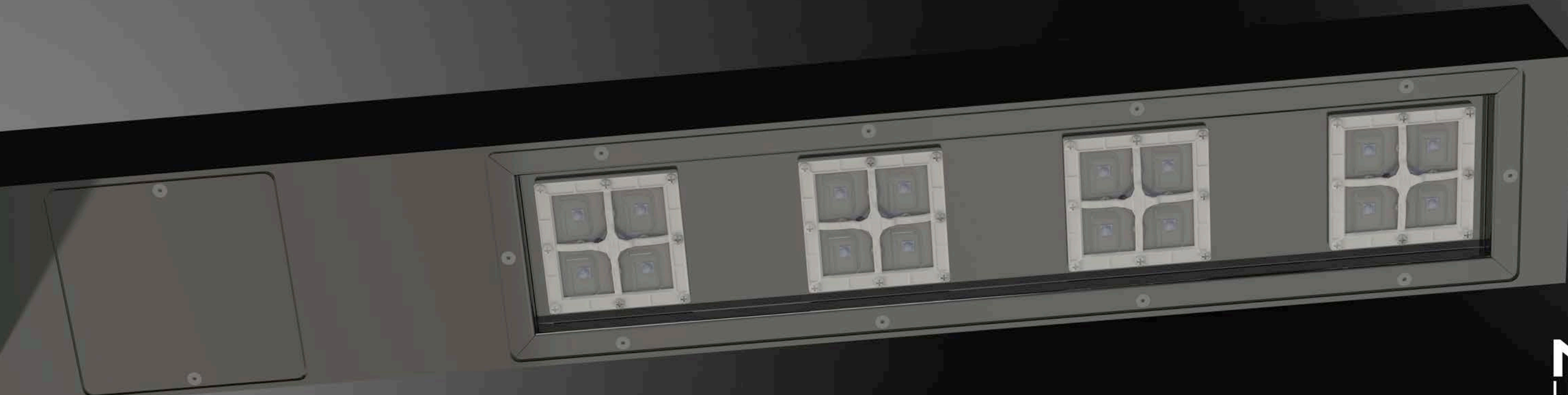


TEST REPORT PERFORMED BY DOW CORNING



Illumination grade multi-die LED designed to enable outdoor and industrial applications.

- CRI:70, 80
- Kelvin Temperatures: Amber (565nm), 2700, 3000, 3500, 4000, 5000



HOUSING
Extruded aluminum

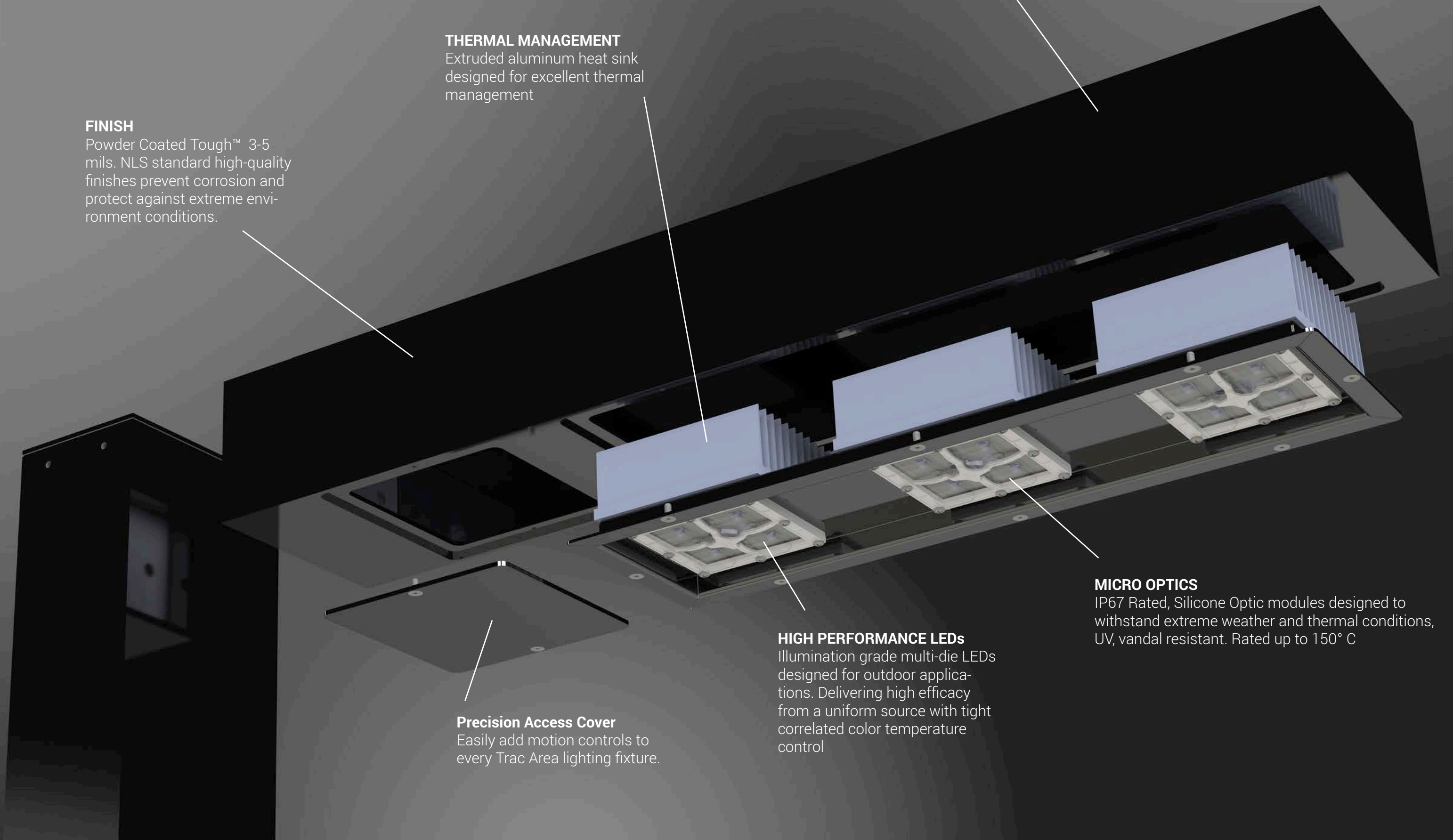
THERMAL MANAGEMENT
Extruded aluminum heat sink
designed for excellent thermal
management

FINISH
Powder Coated Tough™ 3-5
mils. NLS standard high-quality
finishes prevent corrosion and
protect against extreme envi-
ronment conditions.

MICRO OPTICS
IP67 Rated, Silicone Optic modules designed to
withstand extreme weather and thermal conditions,
UV, vandal resistant. Rated up to 150° C

HIGH PERFORMANCE LEDs
Illumination grade multi-die LEDs
designed for outdoor applica-
tions. Delivering high efficacy
from a uniform source with tight
correlated color temperature
control

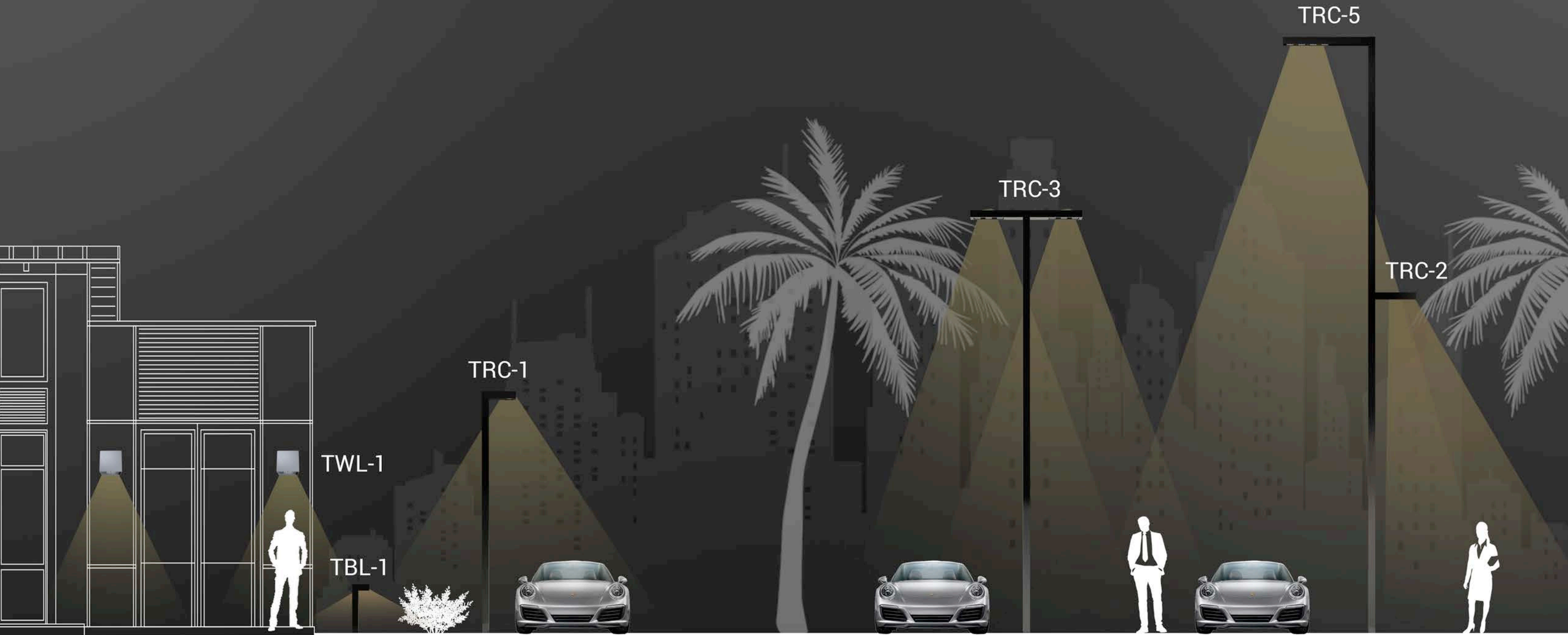
Precision Access Cover
Easily add motion controls to
every Trac Area lighting fixture.



TRAC ARCHITECTURAL LIGHTING GUIDE

TRAC
COLLECTION

The Trac Collection of luminaires is designed to scale with every aspect of outdoor lighting scenarios. Scalable from large area lighting requirements to sconce fixtures on the architecture itself, the Trac Collection has you covered.



Building Zone

Trac Luminaires compliment the architecture being simple and elegant.

Landscape/Path Zone

Fixtures near the building illuminate pathways, landscaping and emergency egress.

Pedestrian Zone

Smaller luminaires close to architectural structures at lower mounting heights.

Site Lighting Zone

Medium sized luminaires at higher mounting heights in parking lots.

Multi Site Lighting Zone

Taller poles for large area lighting coupled with a pedestrian scale fixture for design flexibility.





NLS LIGHTING

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