

FORGE SERIES

RUGGED BY DESIGN.

Engineered for the toughest environments – combining powerful output with oversized housings, heavy-duty brackets, and aggressive styling for real-world work environments. Designed to deliver increasing performance as size increases.



FULL SERIES LINEUP 4 Models · Square · 3500 - 10600 Effective Lumen



HD53004F
3.58" x 3.31" x 2.56"
3500
EF LM
4 LEDs • 40W



HD53006F
4.17" x 3.90" x 2.76"
5500
EF LM
6 LEDs • 60W



HD53009
4.96" x 4.65" x 2.95"
8000
EF LM
9 LEDs • 90W



HD53012
5.59" x 5.20" x 3.31"
10600
EF LM
12 LEDs • 120W

STANDARD FEATURES

BUILT TO LAST. DESIGNED TO PERFORM.

Every Forge shares the same engineered platform – same LED technology, diecast aluminum housing logic, and connector ecosystem – scaled from the 3.6" compact to the 5.6" square powerhouse.

RUGGED HOUSING

Black powder-coated diecast aluminum housing with high-impact polycarbonate lens. Built for harsh environments and constant exposure.

DEUTSCH CONNECTOR

Integrated male Deutsch on rear with 8" female Deutsch pigtail. Fleet-ready, plug-and-play wiring standard.

ECE R10 / CISPR25

Meets automotive EMC standards — won't interfere with sensitive electronics. Critical for fleet and connected vehicles.

HEAVY-DUTY BRACKET

Overbuilt stainless steel bracket and mounting hardware rated for constant vibration, impact, and harsh conditions.

ATCS®

Built-in Advanced Temperature Control System protects LEDs under sustained use, extending life in hot environments.

10W CREE LEDs

Higher-output individual emitters — more raw power per pod vs typical 1.5W LEDs. Performance that scales with size.

AT A GLANCE

4 models

Square - one platform

ATCS® thermal cooling
Advanced Temperature Control System

3500–10600 lm

Effective lumen range

10W cree

LEDs

IP67 waterproof

Fully sealed – dust & submersion rated

CERTIFICATIONS & FEATURES

- ATCS® | Advanced Temperature Control System
- Frameless High Impact Polycarbonate Lens
- Black Powder Coated Stainless Steel Brackets and Hardware
- Black Powder Coated Diecast Aluminum Body
- Metal Breather for Moisture Dissipation
- Integrated 2-pin Male Deutsch Connector
- Includes 8" Pigtail with Mating 2-Pin Female Deutsch Connector
- IP67 Waterproof
- 6000K Color Temp
- ECE R10 | CISPR25 | Class 3

PRODUCT SPECIFICATIONS

FORGE SERIES – PRODUCT SPECIFICATIONS							
PART NO.	SIZE	LEDs	EF LM	RAW LM	VOLTAGE	WATTS	AMP DRAW
HD53004F	3.6" SQ	4	3500	4000	10–32V	40W	3.10A @ 12V, 1.90A @ 24V
HD53006F	4.2" SQ	6	5500	6000	10–32V	60W	4.74A @ 12V, 2.27A @ 24V
HD53009F	5.0" SQ	9	8000	9000	10–32V	90W	6.21A @ 12V, 3.32A @ 24V
HD53012F	5.6" SQ	12	10600	12000	10–32V	120W	8.50A @ 12V, 4.75A @ 24V