

3F LEM SPORT

Die Cast Aluminum Hi-Bay



Technical Data

Body/Fins	Low Copper Diecast Aluminum
Gearbox	Powder-coated steel
Hardware	Galvanized Steel
Lens	Transparent PMMA
Driver	120-277V 50-60Hz
LED Watts	LEM2 - 120W, LEM3 - 180W
Gaskets	Injection Molded Ultra High Temperature Silicone
LED Lifetime	50,000 hours, after which luminous flux will be 90% of the original figure
Luminous flux output	LEM2 - 15942 lm, LEM3 - 23914 lm
LED	4000K (standard)
CRI	80 standard
IP Rating	IP64 Dry location only
Approvals	ETL

Applications

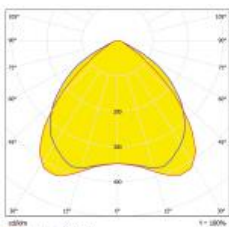
Ambient temperature from -20°C to +55°C.

Luminaire suitable for gyms as well as sports, commercial, exhibition and industrial environments.

Resistance against ball impacts in accordance with DIN 18032-3, CSI certification (IMQ group) Report 0031 \DC\AEF\17 .

Dry, dusty indoor environments, subject to occasional water splashes.

Wide Beam

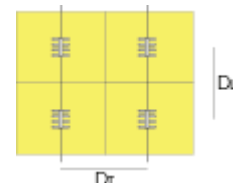


Rectangular ground projection

As there is no photometric overlap, the energy used and number of luminaires is optimized.

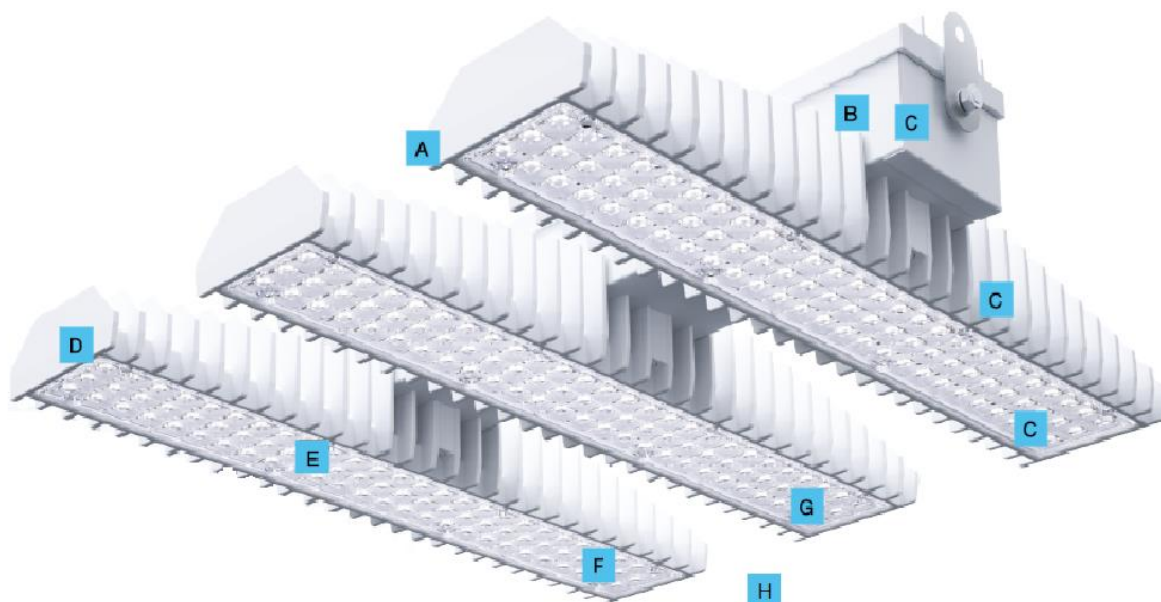
Uniformity

To obtain uniform lighting, the installation pitch is equal to:
 $DT = 1.5 \times hu$
 $DL = 1.4 \times hu$
 hu = Effective installation height



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A Air passage

3F LEM has been designed to have the best possible air passage in all installation conditions, including ceiling mounted. Aerodynamic analysis has allowed dust deposits on the heat dissipaters to be avoided.

D Heat-dissipating body

Made in die-cast aluminum and developed in partnership with the Mechanical Engineering Department at the University of Bologna.

G 3F Lens

Available in Wide controlled output (UGR < 22).

B Wiring compartment separate from heat dissipaters

Thanks to this design, the power supplies are not affected by the heat emitted by the modules. This solution also allows wiring compartments of different lengths to be created.

E Mid-Power LED

Use of these LEDs offers improved efficiency (compared to High Power LEDs), less glare and optimized heat distribution (less thermal stress on the sources).

H Structural Reinforcement

Sport version has additional reinforcement between the LEM module and gearbox to withstand impact from balls

C Upgradability

Lenses, sources and power supplies can be replaced at the end of their life cycle, or upgraded to next-generation sources.

F LED photobiological safety: RG0

The LEDs used are RG0 class (photobiological risk absent), that is they do not emit any radiation harmful to human organs.



IP64 : Dry Locations
IK06 : Impact Resistant (Vandal Resistant)

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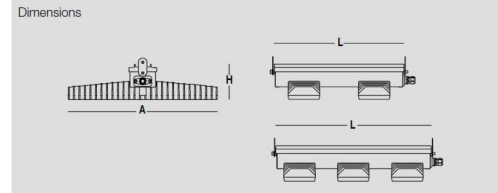
3F LEM SPORT 2 2-modules



3F LEM SPORT 3 3-modules



Ordering Code	SLS-LEM-2X50W-LED-SPORT	SLS-LEM-3X50W-LED-SPORT
Lumens	15942 lm	23914 lm
Dimensions (inches) (LxAxH)	19 ⁵ / ₈ " x 21 ¹ / ₄ " x 5 ⁵ / ₈ "	23 ⁵ / ₈ " x 21 ¹ / ₄ " x 5 ⁵ / ₈ "
Weight	23 lbs	31 lbs
LED Watts (upto 130°F)	2 x 50W	3 x 50W



Options (Specify)	Model	Options (Specify)
(2)	3F LEM 2 Sport	Beam
(3)	3F LEM 3 Sport	(W) * Wide (WIDE)
	Per Module Led Watts	Voltage
(50W)	50 Watts	(UNV) * 120/277VAC
	LED Color	Dimming
(40K)	4000K	(Z) 0/10V
		(D) DALI

Ordering Example : SLS - LEM - 3 - 50W- SPORT - 40K - UNV - Z

Models	Wattage	LED Color	Sport	Volts	Dimming
SLS-LEM -	_____	_____	_____	_____	_____

PROJECT: _____ DATE: _____ QUANTITY: _____
 TYPE: _____ NOTE: _____

