Energio Lighting

Moduled

Highly configurable modular floodlights

Modular floodlight for surface or suspended installation, manufactured in steel and aluminum with a black, grey or graphite electrostatic powder-coated finish. PMMA optics with multiple beam-angle options, wattages from 45 W to 540 W, color temperatures of 3000 K, 4000 K and 5000 K, and 0–10 V dimming. Rated IP65 and IK10.



Built-in Wireless Control!

Factory-installed Energio wireless node option. Can be controlled through INGY, Meshle, Casambi or Bluetooth NLC without the need for a field-mounted device.

00	Control-ready (no node)	● 0–10 V dimming, standard
N1	Factory-installed Energio wireless node	O To be confirmed
N2	Factory node + integral occupancy/daylight sensor	O To be confirmed

Add the control suffix to the end of the catalog number. Firmware: C Casambi · I INGY · M Meshle · B Bluetooth NLC · X assigned at submittal.

Certifications:

UL Pending

Warranty:

5 Years

Order Information

ML [Install.] [Modules] [Power] [Color] [CCT] D [Optics] – [Control suffix]

Family	**ML**	Moduled
Installation	**6 / 8**	Surface / suspended
LED modules	**1–C**	Modules (page 2)
Power	**05–60**	45–540 W (page 2)
Color	**N / G / F**	Black / Grey / Graphite
CCT	**BC / BN / BF**	3000 / 4000 / 5000 K
Version	**D**	V4
Optics	**A / K / M / N / O / Q**	Type V / 20° / 30° / 60° / 90° / 25×100°
Control suffix	**00 / N1 / N2**	+ firmware letter

Code construction example: **ML6105NBCDK**

General Technical Data

Light source	LED technology
Nominal luminous flux	9,400–31,000 lm
Nominal efficacy	>104 lm/W
CCT	3000 K, 4000 K, 5000 K
CRI	70
Beam angle	Type V, 20°, 30°, 60°, 90°, 25° × 100°
Power	45, 90, 135, 180, 270, 360, 540 W
Input voltage	120–277 Vac
Frequency	50/60 Hz
Power factor	>0.90
THD	<10%
Ambient operating temp.	14 to 104 °F (−10 to 40 °C)
Surge protection	10 kV
Driver	Integrated
Control protocol	0–10 V
Rated lifetime	50,000 h (L70)
Housing material	Aluminum
Optics material	PMMA
Color	Black
IP rating	65
IK	10
Installation	Surface mounted or suspended
Product specification	Floodlights and projectors

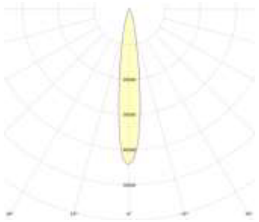
Catalog Number

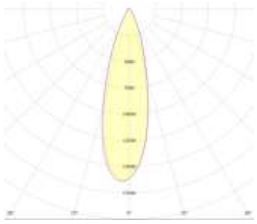
ML [Install.] [Modules] [Power] [Color] [CCT] D [Optics] – [Control suffix]
Example: ML6105NBCDK

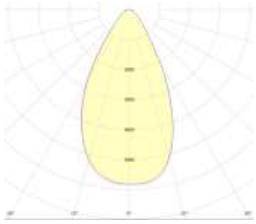
LED Modules & Power

Module code	LED boards per module	Power code	Power
1	1 LED module	05	45 W
2	2 LED modules	09	90 W
3	3 LED modules	13	135 W
4	4 LED modules	18	180 W
6	6 LED modules	27	270 W
8	8 LED modules	36	360 W
C	12 LED modules	60	540 W

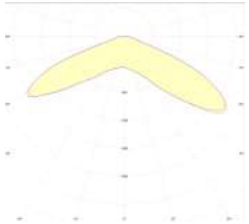
Photometrics

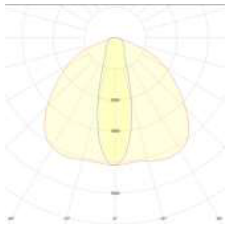

20° optics


30° optics


60° optics

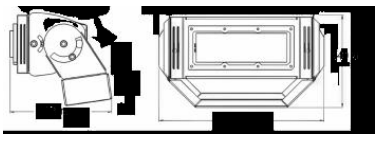

90° optics

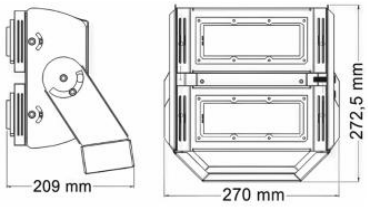

Type V optics


25° × 100° optics

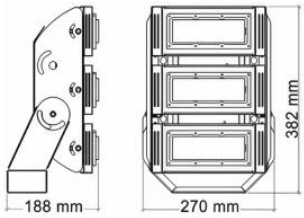
IES files available on request.

Product Dimensions

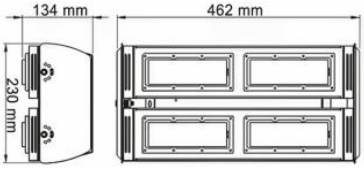

45 W



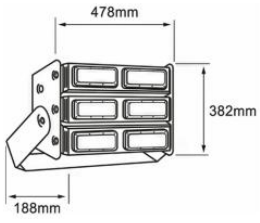
90 W



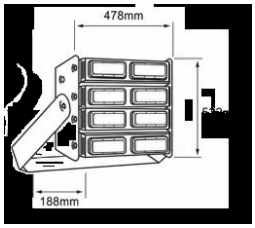
135 W



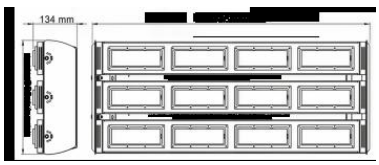
180 W



270 W



360 W



540 W