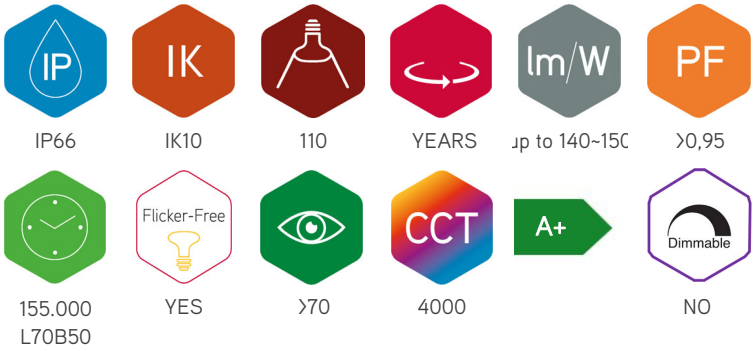
DATASHEET

BM3-4504110GR

Description:

Brightmaster 3 450W 4000K 110° grey



Power floodlight BM3 450W 4000K with a broad symmetrical beam of 110 °. Extremely efficient luminaire with a very long lifespan, equipped with Meanwell drivers and Lumileds 3030/5050 LED chips, efficiency up to 150lm/W. Fully enclosed drive box with internal connection box. Built-in control unit, if one power supply fails, the other power supplies take over the power. LED indication with faulty power supply = no urgent interventions required. Built-in surge protection 10kV. Multi-functional mounting bracket suitable for all installation positions. Particularly suitable for high-end applications such as sports fields where a lot of light is needed with few luminaires. Options 1-10V/DALI dimmable, separate driverbox at the bottom of the pole, fall protection, laser tool for precision adjustment.

Technical specifications	
Referentie	BM3-4504110GR
EAN code	5420076262426
ETIM code	EC001744
Electrical specifications	
System power (W)	447~472
LED power (W)	416~438
Input voltage (Vac)	100~240
Frequency (Hz)	50/60
Driver included	yes
Driver intern/extern	intern
Dimmable	nee
Flicker free	yes
Power factor	>0,95
Connection cable	1,3m H05RN-F
Driver output (V)	114-228V
Driver output (mA)	525-1050mA
Isolation class	I
Energy class	A+
N° circ. breaker 16A C	2
N° circ. breaker 16A D	6
Inrusch current	150A 450µs

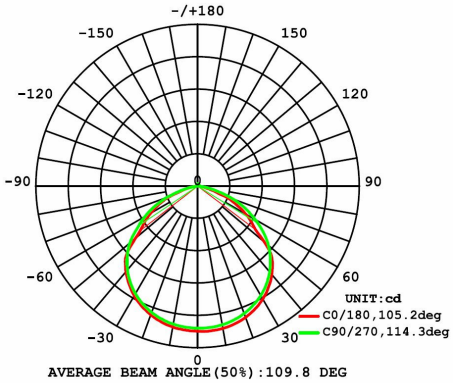
Warranty and certification	
Lifetime (h)	155.000 L70B50
Warranty (years)	(excluding batteries)
ENEC	yes

Photometric specifications	
Light angle (°)	110
Color temperature (K)	4000
CRI	>70
UGR	>30
SDCM	3
Lumen output (Lm)	65700~70200
Lm/W	140~150
Flux code	50 84 98 99 100
Ledchip	LUMILEDS 3030
Led manufacturer	Lumileds
N° of LEDs	1080
Photobiological class	RG1

Dimensions and material properties	
Dimensions (LxBxH)	390x240x685mm
Weight (kg)	17,4
Color	grey
Working temp. (°C)	-25~+55
IP value	IP66
IK value	IK10
UV resistant	yes
Seawater resistant	no
UL94	
N° in masterbox	1
N° on pallet	0
MOQ	1
Stock item	no

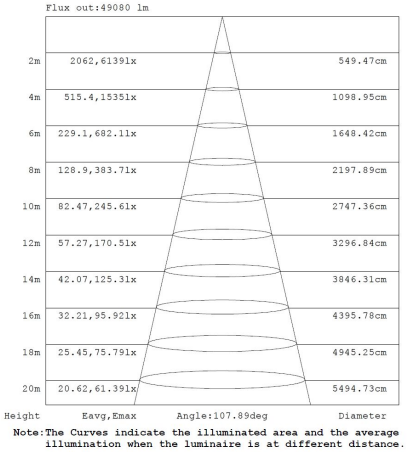
Visit our website for all test reports LM-79 / LM-80 / TM-21 and elumdat files, subject to changes without notice.
Rechargeable batteries (lead or NiCd) that are part of a lighting device always have a one-year warranty!

Lumen distribution

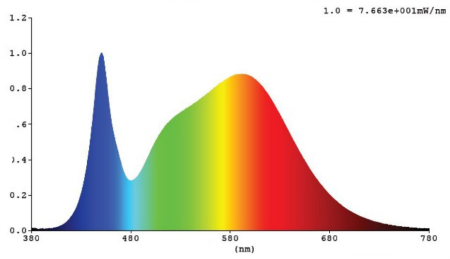


110°

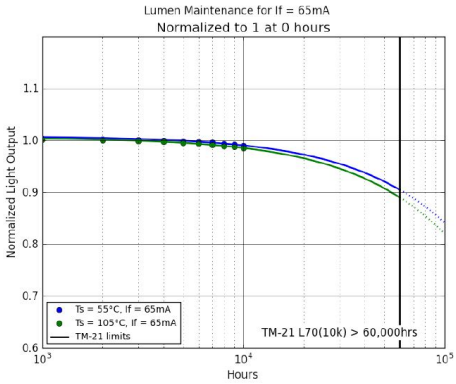
Distance curve:



Spectrum distribution



Lumendrop



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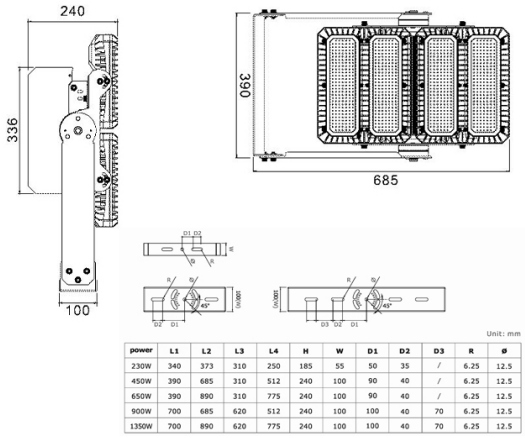
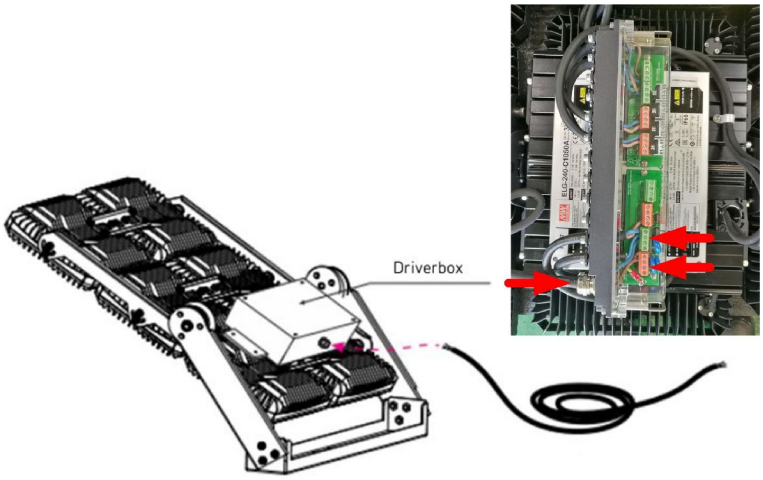
Dimensions



power	L1	L2	L3	L4	H	W	D1	D2	D3	R	Ø
230W	340	373	310	250	185	55	50	35	/	6.25	12.5
450W	390	685	310	512	240	100	90	40	/	6.25	12.5
650W	390	890	310	775	240	100	90	40	/	6.25	12.5
900W	700	685	620	512	240	100	100	40	70	6.25	12.5
1350W	700	890	620	775	240	100	100	40	70	6.25	12.5

Connection diagram



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