



















Protect is a tubular device with an IP69K degree of protection and equipped with stainless steel L316 end caps and clip-on mounting brackets. Protect comes with internal transit wiring 3G1.5mm<sup>2</sup> for easy and fast line assembly. Thanks to the toolless terminals with nylon cable gland on both sides and the clip-on mounting brackets, this device can be installed in no time. The transparent PMMA diffuser makes this device among others, suitable for agricultural applications, industrial soap solutions, oils and chlorine gas. The internal lens optic guarantees a low glare of UGR <19. The built-in breather reduces the risk of moisture vapor and increases the service life of the seals. With autotest emergency unit and environmentally friendly LiFePO batteries, autonomy of 3 hours. Output in emergency mode 5W 652,9lm.

															
IP69K	IK06	60	5 YEARS	up to 130	0,95	75.000 L80B50	YES	84	4000	NO	SMD2835	16	NO	NO	NO

### Technical specifications

Referentie	PRO12404PMUE
EAN code	5420076255039
ETIM code	EC002892

### Electrical specifications

System power (W)	39,64
LED power (W)	38
Input voltage (Vac)	200~240
Frequency (Hz)	50/60
Driver included	yes
Driver intern/extern	intern
Driver brand	Boke
Driver reference	
Dimmable	nee
Flicker free	yes
Power factor	0,95
THD	
Driver output (V)	30~42
Driver output (mA)	1000
Isolation class	I
Energy class	D
N° circ. breaker 16A B	
N° circ. breaker 16A C	25
N° circ. breaker 16A D	39
Inrush current	40A

### Warranty and certification

Lifetime (h)	75.000 L80B50
Warranty (years)	5 (excluding batteries)
ENEC	no

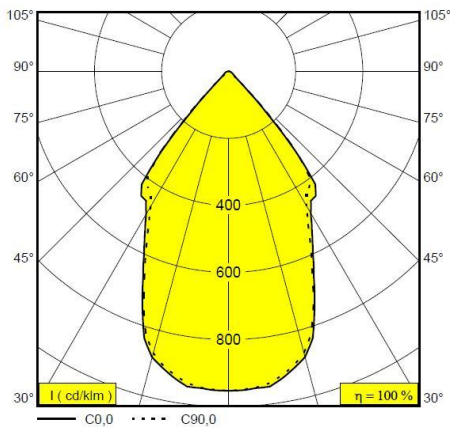
### Photometric specifications

Light angle (°)	60
Color temperature (K)	4000
CRI	84
UGR	16
SDCM	3
Lumen output (Lm)	5200
Lm/W	130
Flux code	91 99 100 100 100
Ledchip	SMD2835
Led manufacturer	San'an Optoelectronics
N° of LEDs	288
Photobiological class	RG0

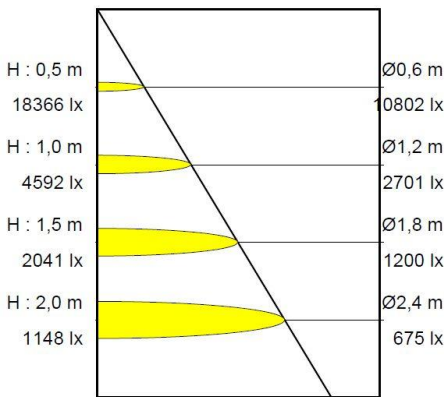
### Dimensions and material properties

Dimensions (LxBxH)	1152x75x86mm
Weight (kg)	2,32
Color	clear
Working temp. (°C)	-20~+45
IP value	IP69K
IK value	IK06
UV resistant	yes
Seawater resistant	yes
UL94	
N° in masterbox	9
N° on pallet	72
MOQ	1
Stock item	no
EPA	

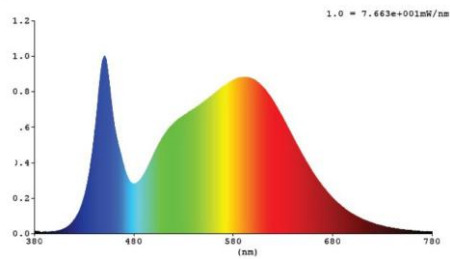
Lumen distributio



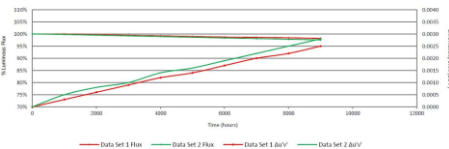
Distance curve:



Spectrum distributio



Lumendrop



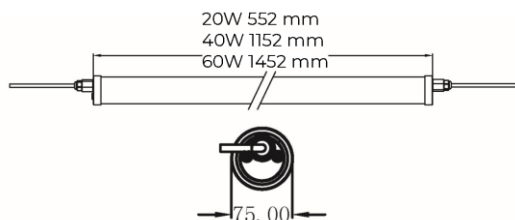
**Accessories**

PROSUS

Suspension set for Protect 1,5m long



## Dimensions



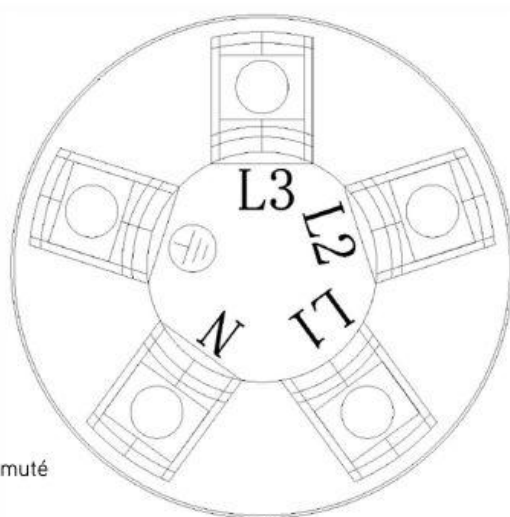
## Connection diagram

### DIMMING VERSION



### EMERGENCY

L	brown/bruin/brun	230V
L3	black/zwart/noir	230V switched/geschakeld/commuté



Glow wire test 850°C

lumen in nood 652,9Lm