WL16F IP66 IK08

FLAT RIGID LINEAR LUMINAIRE

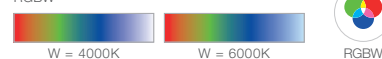|	
Profile Type	16mm width 6063 aluminium linear profile
Profile Finishing	Powder coating
Cover	Diffused
Light Uniformity	Dotless
Mounting	Fixed mounting bracket
Compatible LED Module	- (non modular)
CRI	High Efficiency (CRI~85)
SDCM	3 step MacAdam ellipse binning
Lifetime	Up to 50,000 hours L80 lamp life at Ta = 25°C
Voltage	24V DC
Maximum Power	15W/m
Length Options	300mm, 500mm, 1000mm
Operating Temperature	Ta (min) = -35°C, Ta (max) = +60°C
Wire Connection	Supplied with insulated IP65 wires and connector at 200mm length
IP Rating	IP66
IK Rating	IK08
Profile LOR	-

AVAILABLE OPTIONS

CCT OPTIONS

SINGLE CCT

2700K	3000K	3500K	4000K	5000K	HE
					HE

RGBW

W = 4000K	W = 6000K	RGBW

BEAM ANGLES

120°

CE · □ · III · RoHS · IP66 · IK08 · Marine

DIMENSIONS (MM)

300/500/1000

16

35

50
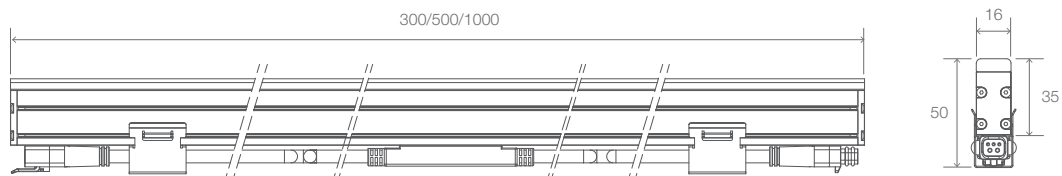
PRODUCT SPECIFICATIONS

Model	WL16F FLAT RIGID LINEAR LUMINAIRE		
Cut Length	300mm	500mm	1000mm
Light Source	White LED, RGBW		
Colour Temperatures	White 2700K, 3000K, 3500K, 4000K, 5000K, RGBW(4000K), RGBW(6000K)		
LED Quantity	24pcs	48pcs	96pcs
Luminous Flux	White 3000K: 254 lm (120°)	White 3000K: 423 lm (120°)	White 3000K: 846 lm (120°)
Efficacy	White 3000K: 56 lm/W (full on 120°)		
Beam Angles	120°		
Lens	UV Stabilised PMMA		
Housing	Aluminium		
Housing Finish Options	Matt Grey (RAL7001), Matt Black (RAL9011)		
Adjustment Options	-		
Mounting	Fixed Mounting Bracket		
Dimensions (L x W x H, Mounting Bracket included)	300mm x 16mm x 50mm	500mm x 16mm x 50mm	1000mm x 16mm x 50mm
Weight	0.3kg	0.4kg	0.75kg
Regulatory Listing & Safety Approval	CE		
Operating Temperature	-30°C to +50°C		
Minimum Starting Temperature	-20°C		
Environment	Outdoor, IP66, IK08, Coastal Environment (ASTM B117-16)		
Humidity	85%, non-condensing		
ELECTRICAL SPECIFICATIONS			
Input Voltage	24V DC		
	15W per meter		
System Power	5W	7.5W	15W
LED Power	4W	6W	12W
Lumen Maintenance	L80 50000hrs @ 25°C		
SYSTEM SPECIFICATIONS			
Power Supply	CE market: LED Engine 24V		
	ETL market: LED Engine 24V (Class 2)		
Control	On / Off, DMX512		

The information above is at nominal values accuracy of +/-7%.   For the latest specifications please refer to the website.

7

PHOTOMETRICS
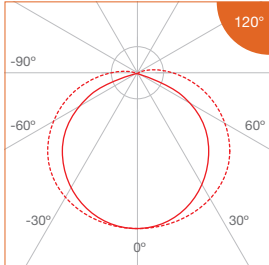
SPECIFICATIONS

• Single CCT

CCT	Efficacy (lm/W)	Luminous Flux per meter (lm/m)
		15W/m
2700K	56.4	846
3000K		
3500K		
4000K	59.2	888
5000K		

• RGBW

CCT	Efficacy (lm/W)	Luminous Flux per meter (lm/m)		RGB Wavelength (nm) / White CCT
		15W/m		
Red	36.9	75		620 - 630
		(@4.03W)		
Green	56.1	160		515 - 525
		(@5.71W)		
Blue	15.0	43		460 - 470
		(@5.71W)		
White	87.5	374		4000K 6000K
		(@8.54W)		

ORDERING MATRIX

Profile		Input Voltage		Finishing		Cover		Beam Angle		Length		Accessories	
WL16F		**24**	24V DC	**GR**	Matt Grey	**D**	Diffused	**120**	120°	**300**	300mm	**N**	None
				MB	Matt Black					**500**	500mm		
										1000	1000mm		

LED Module Power & CCT					Ingress Protection		Control	
Single CCT	**15**	15W/m	**27**	2700K	**IP66**	IP66	**ND**	On/Off
			30	3000K			**DMX**	DMX512
			35	3500K				
			40	4000K				
			50	5000K				
RGBW			**RGBW40**	RGBW (4000K)				
			RGBW60	RGBW (6000K)				

Example: *WL16F-24-GR-D-120-1000-N-15-30-IP66-DMX*

WL16F Rigid Linear Profile, 24V DC, Matt grey, Diffused cover, 120°, 1000mm, 15W/m, 3000K, IP66, DMX512

The information above is at nominal values accuracy of +/-7%.   For the latest specifications please refer to the website.

9

LINEAR PROFILE AND ACCESSORIES
(Ordering Matrix for Separate Orders)

• Terminal Cable
Power supply or signal for male/female terminal of lighting fixture with controller

Type	Number of Cores		Length	
WL-C	2P	2 poles (On/Off)	220	220mm
	5P	5 poles (TW/RGBW/DMX)	1000	1000mm

example: WL-C.5P.1000

• Inter-connector Cable
Used in power supply or signal jumper connection for lighting fixture

Type	Number of Cores		Length	
WL-IC	2P	2 poles (On/Off)	1000	1000mm
	5P	5 poles (TW/RGBW/DMX)		

example: WL-IC.5P.1000

• T-connection Cable
Cable used in intermediate power supply for lighting fixture with controller

Type	Number of Cores		Length	
WL-TC	2P	2 poles (On/Off)	300	300mm
	5P	5 poles (TW/RGBW/DMX)	600	600mm

example: WL-TC.5P.600

• Termination End Cap
Cable used in intermediate power supply for lighting fixture with controller

Type	Number of Cores	
WL-EC	2P	2 poles (On/Off)
	5P	5 poles (TW/RGBW/DMX)

example: WL-EC.5P

The information above is at nominal values accuracy of +/-7%.   For the latest specifications please refer to the website.