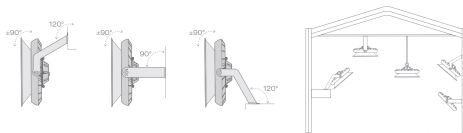
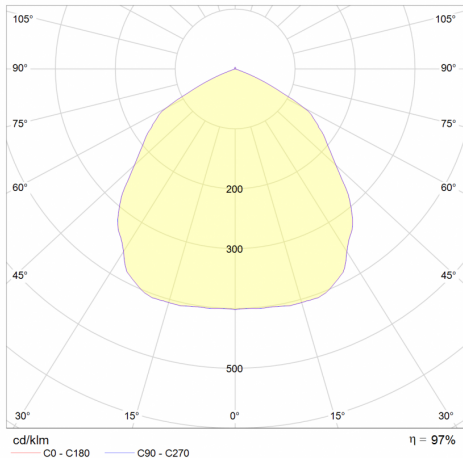
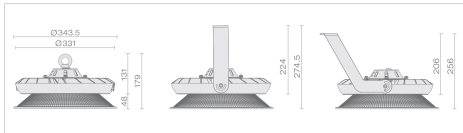


Merikh 1-i



Product code

power (w)	100W	140W
code	411407	411407

Electrical characteristics

parameter	100W	140W
nominal input voltage and frequency (V-AC/Hz)	230/50	
input voltage and frequency range (V-AC/Hz)	220~240/50~60	
nominal power of led w (w)	1.2	1.5
nominal input power (w)	100W	140W
Nominal input current (A@V)	0.48@230	0.68@230
power factor	0.9	
total harmonic distortion (THD)	60%>	
led module type	Integrated	
class of protection against electric shock (v230)	I	

Optical Characteristics

parameter	100W	140W
light source led	SMD LED	
number of leds in the module (PCS)	140	132
nominal power of led w (w)	100W	140W
luminous flux (Lm)	10500	15400
luminous efficiency (Lm/W)	105	110
color temperature (k)	3000,4000,5000,6500	
color rendering index	75	
sdcm initial and value	5SDCM	
photometric code	730/559,740/559,750/559,765/559	
lumen maintenance code	9	
Light distribution angle (degrees)	100°	

Mechanical characteristics

ingress protection (IP)	IP65
body material	Die-cast Aluminum
Diffuser Material	PC
body coating	Electrostatic powder paint
weight (Kg)	2.55-3.3

General Characteristics

Rated Ambient temperature (c°)	25
working temperature range (c°)	-20~+45
maximum allowed humidng (%)	95
rated median useful life (L70 B50 hrs)	70000
rated abrupt failure value (%)	15