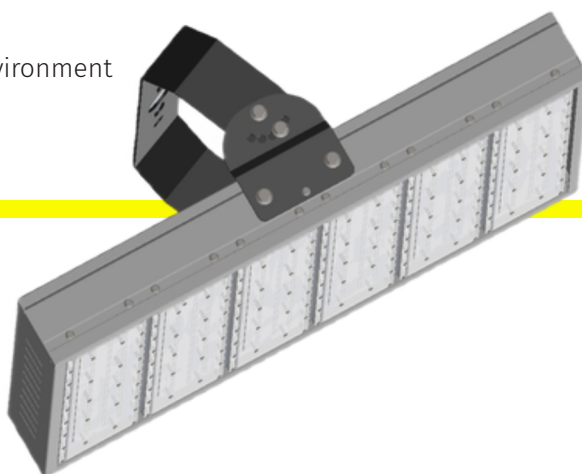# Hercules

Large container area and
stadium lighting
Featuring Dual Beam technology
Made for strength and corrosive environment

Standard Specification

Input power:	600W
Efficacy:	116 lm/W
Dual Beam angles:	40° and 90°
CRI:	>82
Colour temperature:	Cool white, 5000K
	Neutral white, 4000K
	Warm white 300K
	Amber 2700K
SDCM:	3
UGR:	12<20
LLD(Av):	2.21% @ 12,000 hrs
Diffuser:	Polycarbonate
Chromaticity shift (Av):	0.0012 @ 12,000 hrs
Fitting Material:	5052, 6063
Fitting colour:	metallic
IP rating:	IP67
Input Voltage:	90-305Vac
Surge Protection:	10KA
Power factor:	>0.95
Operating temperature:	-40°C to 70°C
Approved standards:	SAA, C-Tick
Life expectancy (L70):	>130,000 hrs (Calc)
	>60,000 hrs (Reported)

DALI-2 driver:	HLG600H -54 B
Luminaire warranty (L70):	7 yrs including driver
Weight:	12.5 kg
Lighting Control:	DALI Dimmable

Options

Beam angles:	15°, 25° or 60°
Lighting control system:	DALI-2 wired
	LoRa i3t
LoRa Lighting control:	Ambient light correction
	Occupancy sensing
	Multi-level Grouping
	Group dimming
	Predictive control
OEM integration:	BacNet, KNX, Modbus,
	S-Mode, Desigo,
	Zen Control,
	Cognian Synchromesh

Ordering Information
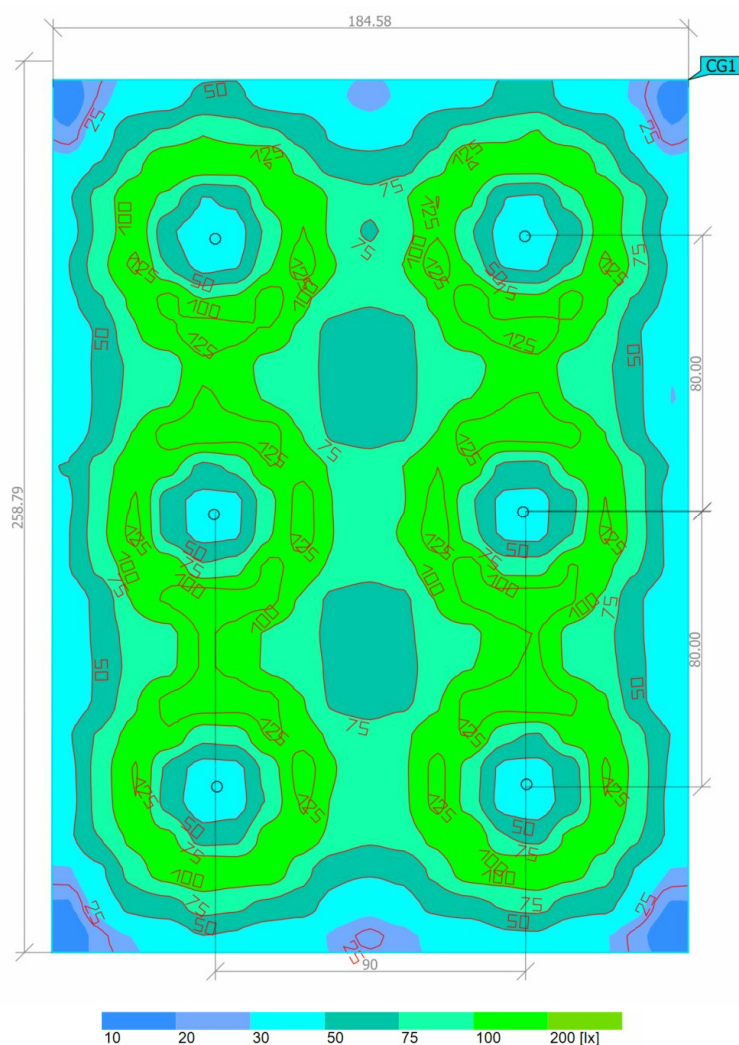
Note: New part number, all else unchanged

F L H ab-c d-ef

a: Luminaire Wattage.e.g. FLH600... = 600W
b: Standard driver, DALI-2 driver,
c: Cool, Neutral, Warm, Amber

d: Single-beam: 1 (15°), 2 (25°),
                          3 (40°), 4 (60°)

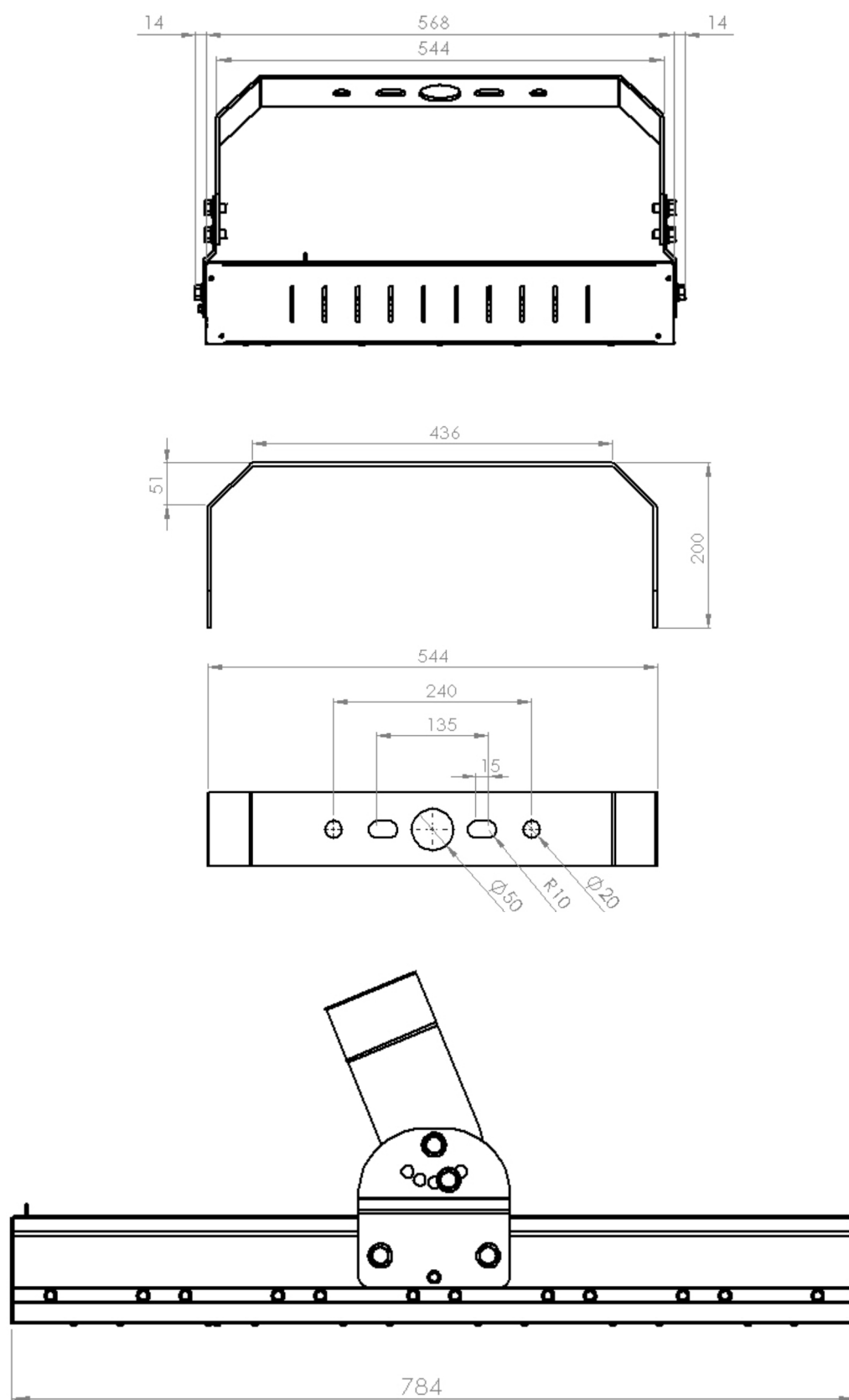   Dual-beam: 5 (40°, 90° Dual-beam)

e: Lora i3t, Blank (no LoRa)

f: PIR,
      Microwave,
      Combine PIR, Abient and Daylight sensors

Properties	Ē	E_{min}	E_{max}
Calculation surface Perpendicular illuminance Height: 0.000 m	81.4 lx	12.8 lx	145 lx

Utilisation profile: Shipyards and docks, General lighting of shipyard area, storage areas for prefabricated goods

Standard fitting with bracket.

Customise bracket available.

Cosmos

Tough, made for strength and
corrosive environment

Dual beam for wide area lighting.

Standard Specification

Input power:	45W - 600W,
Efficacy (DALI-2 driver):	130 lm/W
Beam angles::	15°, 25°, 40° or 60°
CRI:	>82
Colour temperature:	Cool white, 5000K Neutral white, 4000K Warm white 300K Amber 2700K
SDCM:	3
UGR:	12<20
LLD(Av):	2.21% @ 12,000 hrs
Diffuser:	Polycarbonate
Chromaticity shift (Av):	0.0012 @ 12,000 hrs
Fitting Material:	5052, 6063
Fitting colour:	metallic
IP rating:	IP67
Input Voltage:	90-305Vac
Surge Protection:	10KA
Power factor:	>0.95
Operating temperature:	-40°C to 70°C
Approved standards:	SAA, C-Tick
Life expectancy (L70):	>95,000 hrs (Calc) >72,000 hrs (Reported)

Luminaire warranty (L70):	7 yrs
Weight:	12.5 kg
Lighting Control:	0-10V

Options

DALI-2 driver:	HLG60 HLG100 HKG185 HLG320
Lighting control system:	DALI-2 wired LoRa i3t
LoRa Lighting control:	Ambient light correction Occupancy sensing Multi-level Grouping Group dimming Predictive control
OEM integration:	BacNet, KNX, Modbus, S-Mode, Desigo, Zen Control, Cognian Synchromesh

Ordering Information
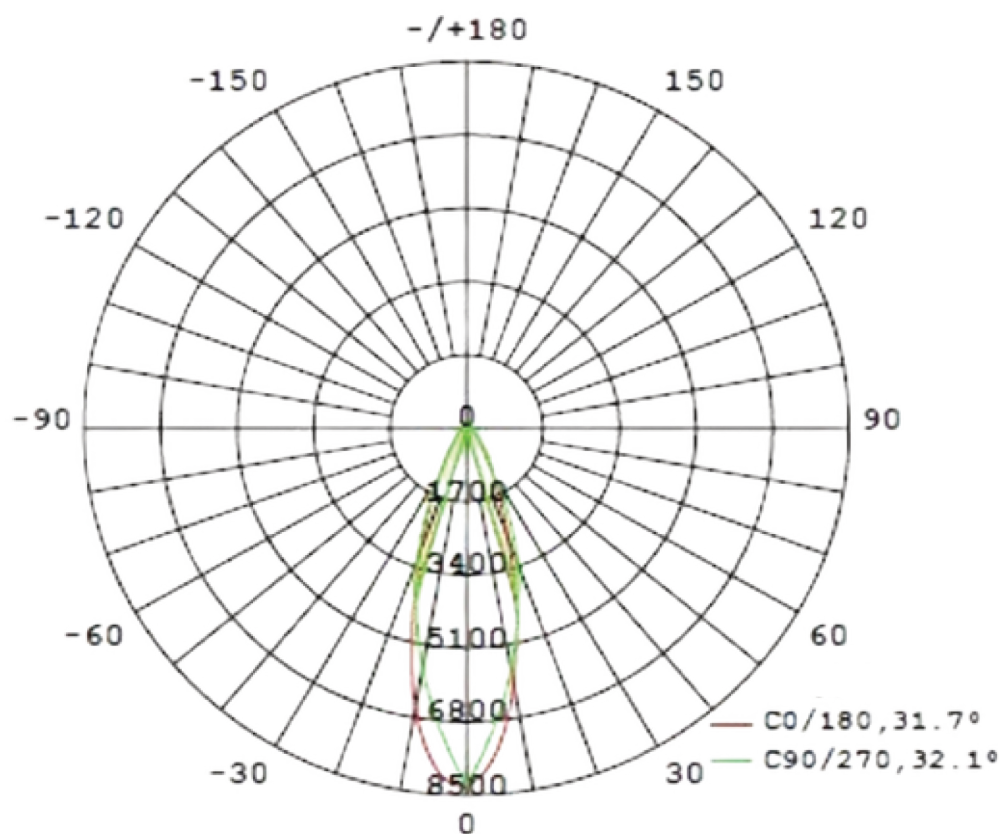
Note: New part number, all else unchanged

FLCab-c d-ef

a: Luminaire Wattage.e.g. FLC**180...** = 180W
b: **D**ALI-2 driver,
c: **C**ool, **N**eutral, **W**arm, **A**mber

d: Single-beam: **1** (15°), **2** (25°),
                                  3 (40°), **4** (60°)

       Dual-beam: **5** (25°, 60°)

e: **L**ora i3t, **Blank (**no LoRa)

f: **P**IR,
        Microwave,
        Combine PIR, Abient and Daylight sensors

FLC300F Photometric chart

Dimensions