

JC050008

## Toughflood Commercial

Toughflood Commercial 200W 21800lm 109lpcW 4000K IP65 Black

### Features & Benefits

- Up to 109 LpcW
- Driver less technology, instant start up
- Polycarbonate Diffuser: Suitable for food preparation
- 2M pre-wired H05RN-F cable for exterior applications
- ADC12 die-cast aluminium body, corrosion resistant, lightweight for easier installation
- Easy access installation with 55° angled Galvanized steel bracket, 110° beam angle
- This product contains a light source of energy efficiency class E



### General Information

Mounting	Wall
Trade Name	Toughflood
Environment	Outdoor
Color Finish	Black
Product Shape	Rectangular
Product Range	Commercial Exterior
IK Rating	IK08
Overall Dimensions	412 x 323 x 42mm
Length (mm)	323
Width (mm)	390
Depth (mm)	42
Product Weight(kg)	3.05
Light Source	LED
Light Source Features	Neutral White
Recommended Product Location	Exterior, general security lighting
Method Of Fix	Mounting Bracket with suitable fixings (not supplied)
IP Rating	IP65
Origin of manufacturer	China
Warranty	3 Year Warranty (See Website for terms and conditions)

Driver Manufacturer	<b>No driver, mains LED Chips</b>
LED Manufacturer/Type	<b>Optoelectronics 2835</b>
Lighting Product Type 1	<b>Wall Light</b>
Customs Tariff code**	<b>9405421000</b>

## Electrical

Voltage Rating	<b>220-240</b>
Primary Running Current(Amp)	<b>1.01</b>
Operating Frequency Hz	<b>50/60Hz</b>
Luminaire Circuit Wattage	<b>200</b>
Class	<b>I</b>
EMC Compliant (EN55015)	<b>Yes</b>
Power Factor Correction	<b>0.9</b>
Input Electrical Connections	<b>Live, Earth and Neutral</b>
Dimmable	<b>No</b>
Supplied cable rating	<b>2M pre-wired H05RN-F</b>

## Thermals

Operating Temperature Range °C	<b>-20 to +40</b>
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## Performance Data

LED Life (Hours)*	<b>54000</b>
Energy Rating	<b>This product contains a light source of energy efficiency class E</b>
Actual Lumen Output	<b>21800</b>
Lumens Per Circuit Watt	<b>109</b>
Standard Deviation Colour Matching - SDCM	<b>&lt;6</b>
Color Rendering Index	<b>50-79</b>
CRI: Ra	<b>70</b>
Correlated Color Temperature	<b>4000K</b>
Beam Angle °	<b>110</b>
LOR (Light Output Ratio) %	<b>100</b>
Photometry Available	<b>Yes</b>

## Construction

Primary Material	<b>ADC12 die-cast aluminium</b>
Outer Diffuser	<b>Opaque Polycarbonate</b>

## Packaging

Product carton overall dimensions(cm)	<b>43 x 35 x 5 cm</b>
Product Packaged Weight(kg)	<b>3.45</b>
Quantity Per Outer Carton	<b>4</b>
Outer carton(L)- cm	<b>44.2</b>
Outer carton(W)- cm	<b>35.2</b>

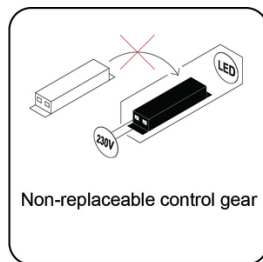
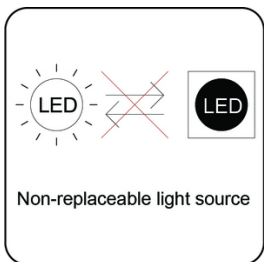
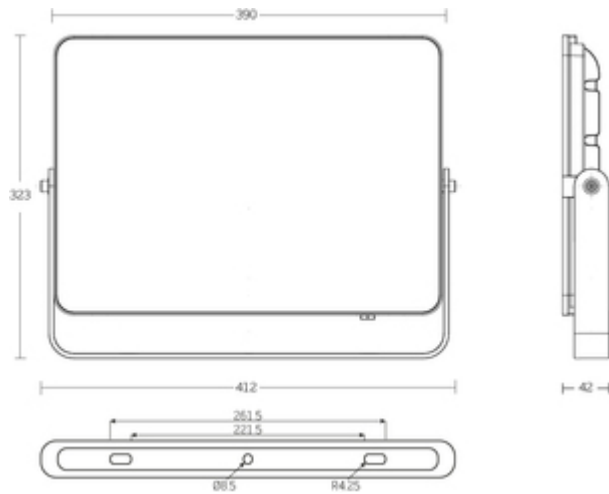
Outer carton(H)- cm  
Outer carton Net weight- kg  
Outer carton Gross weight- kg  
Product Bar Code EAN-13 Number  
Outer carton Bar Code ITF-14 Number

22.0  
13.80kg  
14.50kg  
5052544106002  
15052544106009

## Standards & Approvals

Manufactured In Accordance To  
CE Marked  
UKCA Marked  
Date code/Purchase order No.  
WEEE Symbol  
Certificate Of Conformity  
Accredited Members

**BS EN 60598-2015,2-1,2-5**  
**Yes**  
**Yes**  
**Yes**  
**Yes**  
**Available on request**  
**LIA, ISO9001-2015, ISO14001-2015**



\*Hours life stated is an indication of expected L70 chip and light output calculations when operating in optimum conditions. Product warranty period supports the full product during the term given. The L70 hours expectancy is not correlated with the full product warranty term, nor is it a representation of lumen depreciation during the warranty period.

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