

# 5ft 56W LED IP65 Weatherproof - B2B

Authorized Licensee for TOSHIBA trademark



## 1. Specification:

### A. General Data

|   |   |  |
|---|---|--|
| <b>Model</b>                                    | 5ft 56W IP65 Weatherproof<br>Cool White | 5ft 56W IP65 Weatherproof<br>Neutral White |
| <b>Product Code</b>                             | 01601760446A                            | 01601760447A                               |
| <b>P/N</b>                                      | MMR-WP65656DAA01                        | MMR-WP40656DAA01                           |
| <b>Rated Voltage</b>                            | 220-240 VAC                             | 220-240 VAC                                |
| <b>Frequency</b>                                | 50-60 Hz                                | 50-60 Hz                                   |
| <b>Rated Wattage</b>                            | 56 W                                    | 56 W                                       |
| <b>Deviation Tolerance<br/>of Rated Wattage</b> | ±10 %                                   | ±10 %                                      |
| <b>Power Factor</b>                             | 0.9(typical)                            | 0.9(typical)                               |
| <b>Start On</b>                                 | <0.5S                                   | <0.5S                                      |
| <b>Dimmable</b>                                 | NO                                      | NO   |
| <b>Beam Angle</b>                               | 130°                                    | 130°                                       |
| <b>UGR</b>                                      | N/A                                     | N/A  |
| <b>EEL</b>                                      | 0.127                                   | 0.127                                      |
| <b>Energy Class</b>                             | A+                                      | A+   |
| <b>Safety requirements</b>                      | CE                                      | CE   |
| <b>Applicable Environments</b>                  | IP65                                    | IP65                                       |
| <b>Base</b>                                     | N/A                                     | N/A  |
| <b>Type of Installation</b>                     | Ceiling                                 | Ceiling                                    |
| <b>Exchangeable LED Module</b>                  | NO                                      | NO   |

B. Light Data

|                                |                                 |               |
|--------------------------------|---------------------------------|---------------|
| <b>Color</b>                   | Cool White                      | Neutral White |
| <b>Color Temperature (CCT)</b> | 6500K                           | 4000K         |
| <b>Rated Lumen Output*</b>     | 6000 lm                         | 6000 lm       |
| <b>Color Rendering Index*</b>  | 80                              |               |
| <b>Efficacy*</b>               | 107 lm/W                        | 107 lm/W      |
| <b>Color Consistency**</b>     | 6 Step MacAdam Ellipse (6 SDCM) |               |

\*tolerance +/- 10% \*\* 6500K center point (0.3123, 0.32825) , 4000K center point (0.380, 0.377)

C. Lifetime

(Supplied Voltage: AC230V; Ambient Temperature: 25°C)

|  |                           |
|--|---------------------------|
| <b>Lumen Maintenance Factor</b>                      | 70% of the rated lifetime |
| <b>Rated Lifetime – L<sub>70</sub>B<sub>50</sub></b> | 50,000 hrs                |
| <b>Switching Cycles</b>                              | ≥ 25,000                  |

D. Temperature Operation

|                                     |              |
|-------------------------------------|--------------|
| <b>Normal operation temperature</b> | -20°C ~ 50°C |
| <b>Relative Humidity</b>            | 10% ~ 90%    |

E. Geometric Data

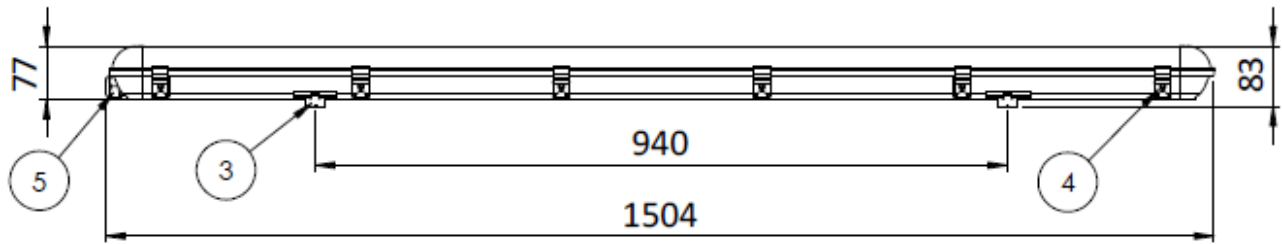
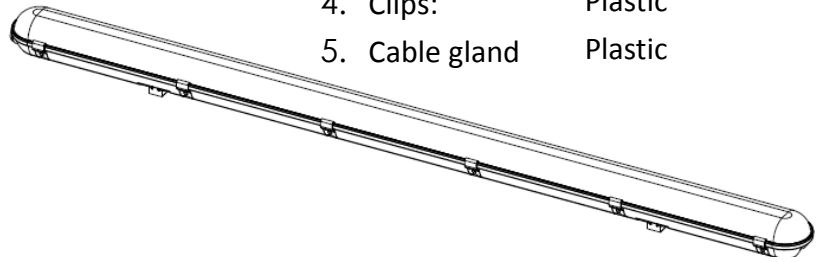
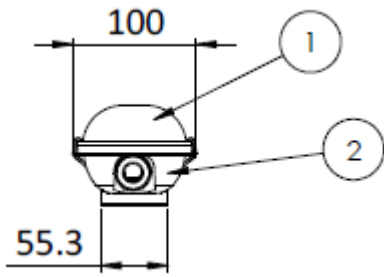
|                          |                                 |
|--------------------------|---------------------------------|
| <b>Maximum length</b>    | 1504 ± 5 mm ( 58 ± 0.19 inch )  |
| <b>Maximum width</b>     | 100 ± 5 mm ( 3.86 ± 0.19 inch ) |
| <b>Maximum thickness</b> | 77 ± 5 mm ( 2.97 ± 0.19 inch )  |
| <b>Mass</b>              | 1650 ± 100 g                    |

F. Environmental relevant materials

|  |                                       |
|--|---------------------------------------|
| <b>Mercury (Hg)</b>                          | Comply with RoHS Directive 2011/65/EU |
| <b>Lead (Pb)</b>                             |                                       |
| <b>Cadmium(Cd)</b>                           |                                       |
| <b>Hexavalent Chromium(Cr6+)</b>             |                                       |
| <b>Polybrominated Biphenyls(PBBs)</b>        |                                       |
| <b>Polybrominated Diphenyl Ethers(PBDEs)</b> |                                       |

## 2. Outline Drawing

Unit : mm



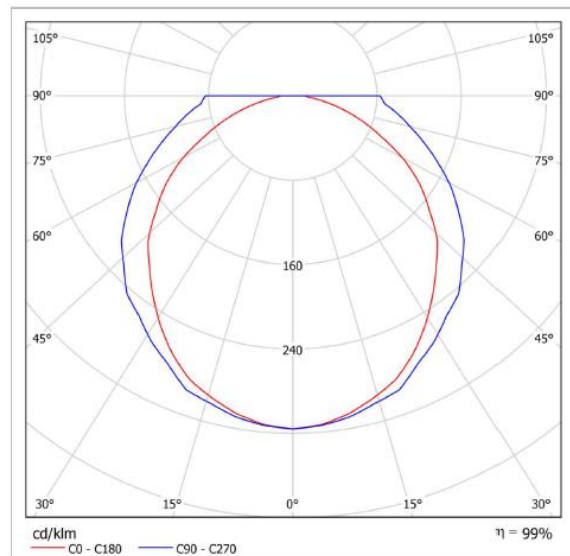
## Material Information

- |                |          |
|----------------|----------|
| 1. Cover:      | Plastic  |
| 2. Base:       | Plastic  |
| 3. Mounting:   | Aluminum |
| 4. Clips:      | Plastic  |
| 5. Cable gland | Plastic  |

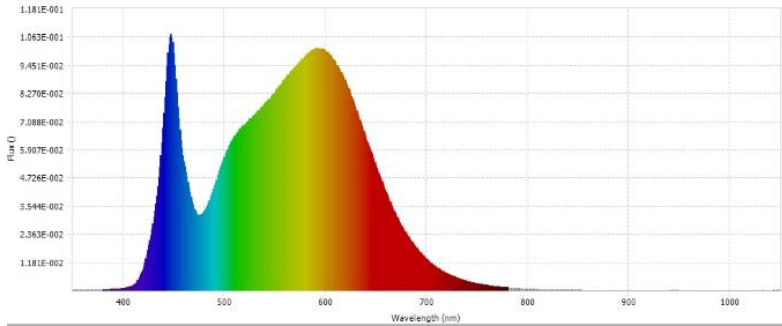
## 3. Installation Instructions

**TBD**

## 4. Light Distribution Curve



## 5. Spectrum Distribution



## 6. Warnings

- Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.
- Do not touch electronic components, electronic components maybe under high voltage.
- Do not stare into LED light beam
- The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.

## 7. Notes

All characteristics are estimated at room temperature (25°C), free air burning, base up burning position and at rated voltage. In view of the complex manufacturing process for light above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technic individual products may vary from the typical values.

## 8. Logistic information

| Model                     | 5ft 56W IP65 Weatherproof<br>Cool White | 5ft 56W IP65 Weatherproof<br>Neutral White |
|---------------------------|---|--|
| P/N                       | MMR-WP65656DAA01                        | MMR-WP40656DAA01                           |
| Product Code              | 01601760446A                            | 01601760447A                               |
| Pieces per pack           | 1                                       |  |
| EAN code on pack          | 4712947604468                           | 4712947604475                              |
| Size of pack              | 1538x112.5x85mm                         |  |
| Weight per pack (G.W)     | 2.05 kg                                 |  |
| Packs per inner box       | N/A                                     |  |
| EAN code on inner box     | N/A                                     |  |
| ITF code on inner box     | N/A                                     |  |
| Size of inner box         | N/A                                     |  |
| Weight per inner box(G.W) | N/A                                     |  |
| Packs per outer box       | 6                                       |  |
| EAN code on outer box     | 4712947604543                           | 4712947604550                              |
| ITF code on outer box     | 14712947604465                          | 14712947604472                             |
| Size of outer box         | 1568x283x260mm                          |  |
| Weight per outer box(G.W) | 14.1 kg                                 |  |

## 9. Conformity

|  |  |
|--|--|
| <b>Directive 2014-35-EU;<br/>Low Voltage Directive</b> | EN 60598-2-1+ EN 60598-1 、 EN 62031 、 EN62471 、 EN62493<br>EN 61347-2-13 |
| <b>2014-30-EU;<br/>EMC Directive</b>                   | EN 55015 、 EN 61000-3-2 、 EN 61000-3-3<br>EN 61547                       |
| <b>2009/125/EC;<br/>ErP Directive</b>                  | EU No. 1194 、 EU No. 874   |
| <b>2011/65/EU;<br/>RoHS Directive</b>                  | EN 50581   |

## 10. Business Scheme (Countries)

### A. Applicable countries

France, Italy, Belgium, Spain, Morocco, Portugal, Netherlands, Luxembourg, Germany, Turkey, Greece, Austria, Switzerland, Bulgaria, Poland, Hungary, Israel, Sweden, Norway, Ireland, England

Note : The requirement of each country will be reflected to the product specifications, when the products will be shipped to such country.

### B. Manufacture

Unity Opto Technology Co., Ltd.

### C. Sales channel

B2B flow and B2C

# 5ft 56W LED IP65 Weatherproof - B2B

Authorized Licensee for TOSHIBA trademark



## 1. Specification:

### A. General Data

|   |   |  |
|---|---|--|
| <b>Model</b>                                    | 5ft 56W IP65 Weatherproof<br>Cool White | 5ft 56W IP65 Weatherproof<br>Neutral White |
| <b>Product Code</b>                             | 01601760446A                            | 01601760447A                               |
| <b>P/N</b>                                      | MMR-WP65656DAA01                        | MMR-WP40656DAA01                           |
| <b>Rated Voltage</b>                            | 220-240 VAC                             | 220-240 VAC                                |
| <b>Frequency</b>                                | 50-60 Hz                                | 50-60 Hz                                   |
| <b>Rated Wattage</b>                            | 56 W                                    | 56 W                                       |
| <b>Deviation Tolerance<br/>of Rated Wattage</b> | ±10 %                                   | ±10 %                                      |
| <b>Power Factor</b>                             | 0.9(typical)                            | 0.9(typical)                               |
| <b>Start On</b>                                 | <0.5S                                   | <0.5S                                      |
| <b>Dimmable</b>                                 | NO                                      | NO   |
| <b>Beam Angle</b>                               | 130°                                    | 130°                                       |
| <b>UGR</b>                                      | N/A                                     | N/A  |
| <b>EEL</b>                                      | 0.127                                   | 0.127                                      |
| <b>Energy Class</b>                             | A+                                      | A+   |
| <b>Safety requirements</b>                      | CE                                      | CE   |
| <b>Applicable Environments</b>                  | IP65                                    | IP65                                       |
| <b>Base</b>                                     | N/A                                     | N/A  |
| <b>Type of Installation</b>                     | Ceiling                                 | Ceiling                                    |
| <b>Exchangeable LED Module</b>                  | NO                                      | NO   |

**B. Light Data**

|                                |                                 |               |
|--------------------------------|---------------------------------|---------------|
| <b>Color</b>                   | Cool White                      | Neutral White |
| <b>Color Temperature (CCT)</b> | 6500K                           | 4000K         |
| <b>Rated Lumen Output*</b>     | 6000 lm                         | 6000 lm       |
| <b>Color Rendering Index*</b>  | 80                              |               |
| <b>Efficacy*</b>               | 107 lm/W                        | 107 lm/W      |
| <b>Color Consistency**</b>     | 6 Step MacAdam Ellipse (6 SDCM) |               |

\*tolerance +/- 10% \*\* 6500K center point (0.3123, 0.32825) , 4000K center point (0.380, 0.377)

**C. Lifetime**

(Supplied Voltage: AC230V; Ambient Temperature: 25°C)

|  |                           |
|--|---------------------------|
| <b>Lumen Maintenance Factor</b>                      | 70% of the rated lifetime |
| <b>Rated Lifetime – L<sub>70</sub>B<sub>50</sub></b> | 50,000 hrs                |
| <b>Switching Cycles</b>                              | ≥ 25,000                  |

**D. Temperature Operation**

|                                     |              |
|-------------------------------------|--------------|
| <b>Normal operation temperature</b> | -20°C ~ 50°C |
| <b>Relative Humidity</b>            | 10% ~ 90%    |

**E. Geometric Data**

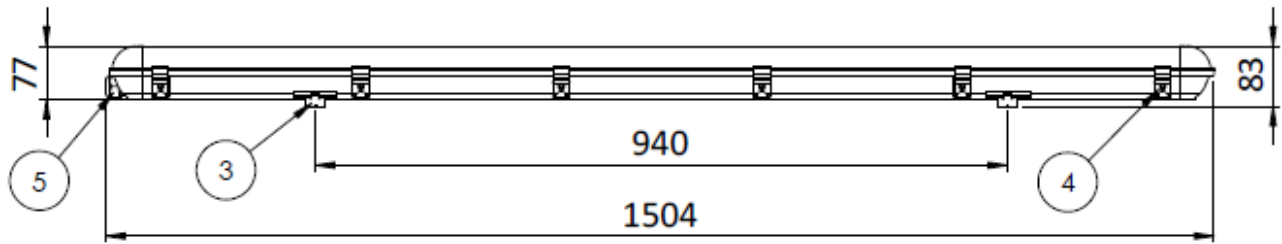
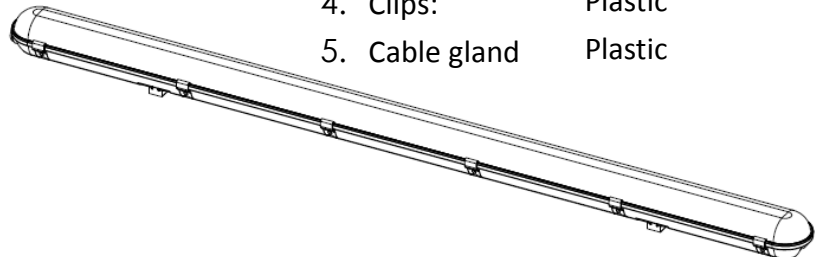
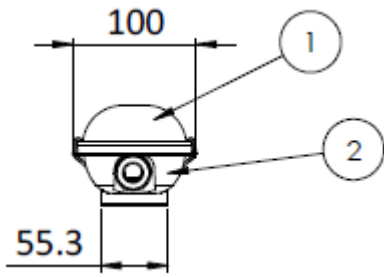
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|--------------------------|---------------------------------|
| <b>Maximum length</b>    | 1504 ± 5 mm ( 58 ± 0.19 inch )  |
| <b>Maximum width</b>     | 100 ± 5 mm ( 3.86 ± 0.19 inch ) |
| <b>Maximum thickness</b> | 77 ± 5 mm ( 2.97 ± 0.19 inch )  |
| <b>Mass</b>              | 1650 ± 100 g                    |

**F. Environmental relevant materials**

|  |                                       |
|--|---------------------------------------|
| <b>Mercury (Hg)</b>                          | Comply with RoHS Directive 2011/65/EU |
| <b>Lead (Pb)</b>                             |                                       |
| <b>Cadmium(Cd)</b>                           |                                       |
| <b>Hexavalent Chromium(Cr6+)</b>             |                                       |
| <b>Polybrominated Biphenyls(PBBs)</b>        |                                       |
| <b>Polybrominated Diphenyl Ethers(PBDEs)</b> |                                       |

## 2. Outline Drawing

Unit : mm



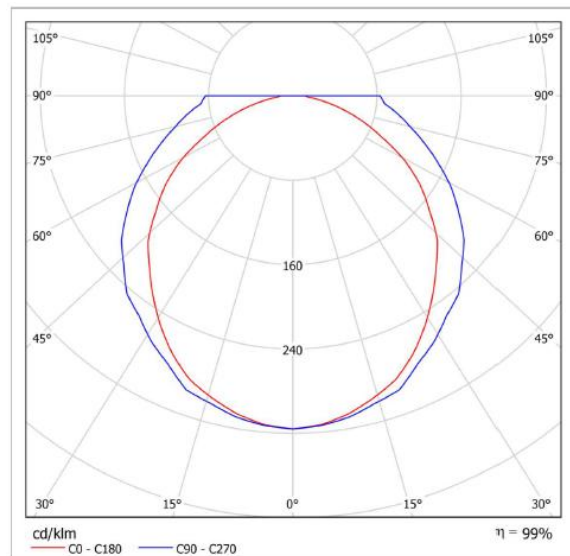
## Material Information

- |                |          |
|----------------|----------|
| 1. Cover:      | Plastic  |
| 2. Base:       | Plastic  |
| 3. Mounting:   | Aluminum |
| 4. Clips:      | Plastic  |
| 5. Cable gland | Plastic  |

## 3. Installation Instructions

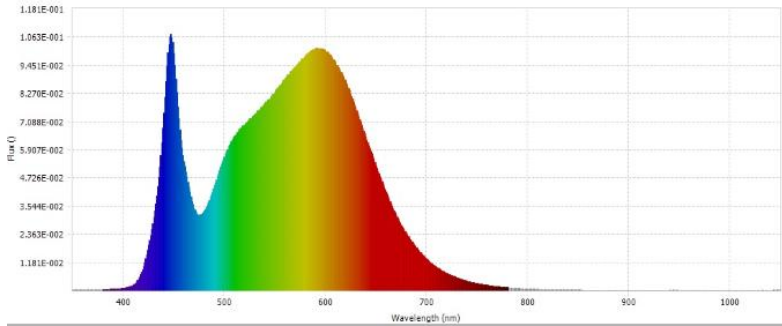
**TBD**

## 4. Light Distribution Curve





## 5. Spectrum Distribution



## 6. Warnings

- Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.
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- Do not stare into LED light beam
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## 8. Logistic information

| Model                     | 5ft 56W IP65 Weatherproof<br>Cool White | 5ft 56W IP65 Weatherproof<br>Neutral White |
|---------------------------|---|--|
| P/N                       | MMR-WP65656DAA01                        | MMR-WP40656DAA01                           |
| Product Code              | 01601760446A                            | 01601760447A                               |
| Pieces per pack           | 1                                       |  |
| EAN code on pack          | 4712947604468                           | 4712947604475                              |
| Size of pack              | 1538x112.5x85mm                         |  |
| Weight per pack (G.W)     | 2.05 kg                                 |  |
| Packs per inner box       | N/A                                     |  |
| EAN code on inner box     | N/A                                     |  |
| ITF code on inner box     | N/A                                     |  |
| Size of inner box         | N/A                                     |  |
| Weight per inner box(G.W) | N/A                                     |  |
| Packs per outer box       | 6                                       |  |
| EAN code on outer box     | 4712947604543                           | 4712947604550                              |
| ITF code on outer box     | 14712947604465                          | 14712947604472                             |
| Size of outer box         | 1568x283x260mm                          |  |
| Weight per outer box(G.W) | 14.1 kg                                 |  |

## 9. Conformity

|  |  |
|--|--|
| <b>Directive 2014-35-EU;<br/>Low Voltage Directive</b> | EN 60598-2-1+ EN 60598-1 、 EN 62031 、 EN62471 、 EN62493<br>EN 61347-2-13 |
| <b>2014-30-EU;<br/>EMC Directive</b>                   | EN 55015 、 EN 61000-3-2 、 EN 61000-3-3<br>EN 61547                       |
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### B. Manufacture

Unity Opto Technology Co., Ltd.

### C. Sales channel

B2B flow and B2C

# 4ft 40W LED IP65 Weatherproof - B2B

Authorized Licensee for TOSHIBA trademark



## 1. Specification:

### A. General Data

|   |   |  |
|---|---|--|
| <b>Model</b>                                    | 4ft 40W IP65 Weatherproof<br>Cool White | 4ft 40W IP65 Weatherproof<br>Neutral White |
| <b>Product Code</b>                             | 01601760450A                            | 01601760451A                               |
| <b>P/N</b>                                      | MMR-WP65640CAA01                        | MMR-WP40640CAA01                           |
| <b>Rated Voltage</b>                            | 220-240 VAC                             | 220-240 VAC                                |
| <b>Frequency</b>                                | 50-60 Hz                                | 50-60 Hz                                   |
| <b>Rated Wattage</b>                            | 40 W                                    | 40 W                                       |
| <b>Deviation Tolerance<br/>of Rated Wattage</b> | ±10 %                                   | ±10 %                                      |
| <b>Power Factor</b>                             | 0.9(typical)                            | 0.9(typical)                               |
| <b>Start On</b>                                 | <0.5S                                   | <0.5S                                      |
| <b>Dimmable</b>                                 | NO                                      | NO   |
| <b>Beam Angle</b>                               | 130°                                    | 130°                                       |
| <b>UGR</b>                                      | N/A                                     | N/A  |
| <b>EEL</b>                                      | 0.133                                   | 0.133                                      |
| <b>Energy Class</b>                             | A+                                      | A+   |
| <b>Safety requirements</b>                      | CE                                      | CE   |
| <b>Applicable Environments</b>                  | IP65                                    | IP65                                       |
| <b>Base</b>                                     | N/A                                     | N/A  |
| <b>Type of Installation</b>                     | Ceiling                                 | Ceiling                                    |
| <b>Exchangeable LED Module</b>                  | NO                                      | NO   |

B. Light Data

|                                |                                 |               |
|--------------------------------|---------------------------------|---------------|
| <b>Color</b>                   | Cool White                      | Neutral White |
| <b>Color Temperature (CCT)</b> | 6500K                           | 4000K         |
| <b>Rated Lumen Output*</b>     | 4100 lm                         | 4100 lm       |
| <b>Color Rendering Index*</b>  | 80                              |               |
| <b>Efficacy*</b>               | 102.5 lm/W                      | 102.5 lm/W    |
| <b>Color Consistency**</b>     | 6 Step MacAdam Ellipse (6 SDCM) |               |

\*tolerance +/- 10% \*\* 6500K center point (0.3123, 0.32825) , 4000K center point (0.380, 0.377)

C. Lifetime

(Supplied Voltage: AC230V; Ambient Temperature: 25°C)

|  |                           |
|--|---------------------------|
| <b>Lumen Maintenance Factor</b>                      | 70% of the rated lifetime |
| <b>Rated Lifetime – L<sub>70</sub>B<sub>50</sub></b> | 50,000 hrs                |
| <b>Switching Cycles</b>                              | ≥ 25,000                  |

D. Temperature Operation

|                                     |              |
|-------------------------------------|--------------|
| <b>Normal operation temperature</b> | -20°C ~ 50°C |
| <b>Relative Humidity</b>            | 10% ~ 90%    |

E. Geometric Data

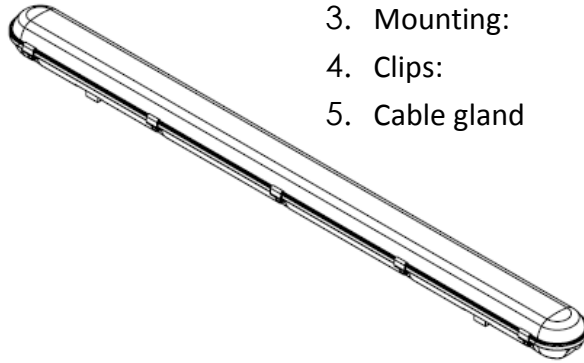
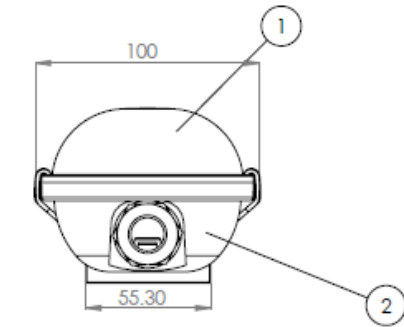
|                          |                                  |
|--------------------------|----------------------------------|
| <b>Maximum length</b>    | 1204 ± 5 mm ( 46.5 ± 0.19 inch ) |
| <b>Maximum width</b>     | 100 ± 5 mm ( 3.86 ± 0.19 inch )  |
| <b>Maximum thickness</b> | 77 ± 5 mm ( 2.97 ± 0.19 inch )   |
| <b>Mass</b>              | 1400 ± 80 g                      |

F. Environmental relevant materials

|  |                                       |
|--|---------------------------------------|
| <b>Mercury (Hg)</b>                          | Comply with RoHS Directive 2011/65/EU |
| <b>Lead (Pb)</b>                             |                                       |
| <b>Cadmium(Cd)</b>                           |                                       |
| <b>Hexavalent Chromium(Cr6+)</b>             |                                       |
| <b>Polybrominated Biphenyls(PBBs)</b>        |                                       |
| <b>Polybrominated Diphenyl Ethers(PBDEs)</b> |                                       |

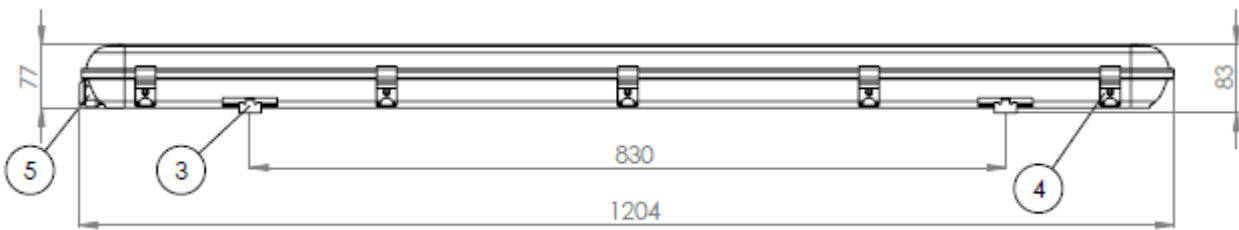
## 2. Outline Drawing

Unit : mm



### Material Information

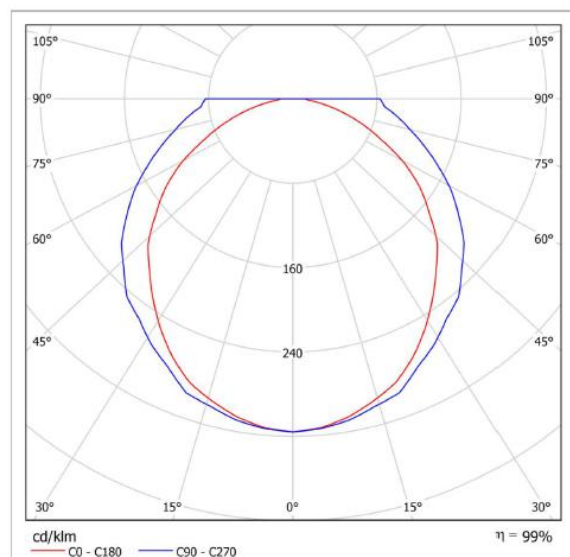
- |                |          |
|----------------|----------|
| 1. Cover:      | Plastic  |
| 2. Base:       | Plastic  |
| 3. Mounting:   | Aluminum |
| 4. Clips:      | Plastic  |
| 5. Cable gland | Plastic  |



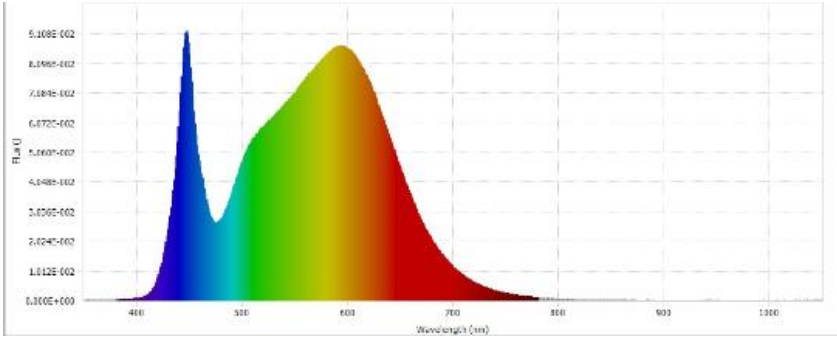
## 3. Installation Instructions

**TBD**

## 4. Light Distribution Curve



## 5. Spectrum Distribution



## 6. Warnings

- Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.
- Do not touch electronic components, electronic components maybe under high voltage.
- Do not stare into LED light beam
- The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.

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## 8. Logistic information

|                                  |   |  |
|----------------------------------|---|--|
| <b>Model</b>                     | 4ft 40W IP65 Weatherproof<br>Cool White | 4ft 40W IP65 Weatherproof<br>Neutral White |
| <b>P/N</b>                       | MMR-WP65640CAA01                        | MMR-WP40640CAA01                           |
| <b>Product Code</b>              | 01601760450A                            | 01601760451A                               |
| <b>Pieces per pack</b>           | 1                                       |  |
| <b>EAN code on pack</b>          | 4712947604505                           | 4712947604512                              |
| <b>Size of pack</b>              | 1238x112.5x85mm                         |  |
| <b>Weight per pack (G.W)</b>     | 1.7 kg                                  |  |
| <b>Packs per inner box</b>       | N/A                                     |  |
| <b>EAN code on inner box</b>     | N/A                                     |  |
| <b>ITF code on inner box</b>     | N/A                                     |  |
| <b>Size of inner box</b>         | N/A                                     |  |
| <b>Weight per inner box(G.W)</b> | N/A                                     |  |
| <b>Packs per outer box</b>       | 6                                       |  |
| <b>EAN code on outer box</b>     | 4712947604581                           | 4712947604598                              |
| <b>ITF code on outer box</b>     | 14712947604502                          | 14712947604519                             |
| <b>Size of outer box</b>         | 1268x283x260mm                          |  |
| <b>Weight per outer box(G.W)</b> | 11.8 kg                                 |  |

## 9. Conformity

|  |  |
|--|--|
| <b>Directive 2014-35-EU;<br/>Low Voltage Directive</b> | EN 60598-2-1+ EN 60598-1 、 EN 62031 、 EN62471 、 EN62493<br>EN 61347-2-13 |
| <b>2014-30-EU;<br/>EMC Directive</b>                   | EN 55015 、 EN 61000-3-2 、 EN 61000-3-3<br>EN 61547                       |
| <b>2009/125/EC;<br/>ErP Directive</b>                  | EU No. 1194 、 EU No. 874   |
| <b>2011/65/EU;<br/>RoHS Directive</b>                  | EN 50581   |

## 10. Business Scheme (Countries)

### A. Applicable countries

France, Italy, Belgium, Spain, Morocco, Portugal, Netherlands, Luxembourg, Germany, Turkey, Greece, Austria, Switzerland, Bulgaria, Poland, Hungary, Israel, Sweden, Norway, Ireland, England

Note : The requirement of each country will be reflected to the product specifications, when the products will be shipped to such country

### B. Manufacture

Unity Opto Technology Co., Ltd.

### C. Sales channel

B2B flow and B2C