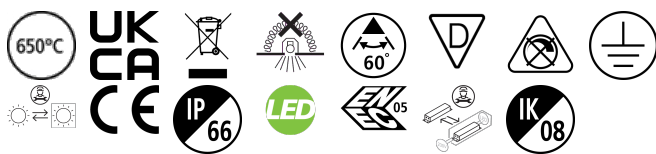


Kalani Symmetric  
Kalani IP66 28KLM 840 WB  
0056716



Product features

- Exterior LED Floodlight, comes complete with 1000mm flying lead and adjustable bracket, aluminium housing, clear glass diffuser, IP66, IK08, Class I, 4000K, CRI80, Non-dimmable, 30800lm, 198W, 156lm/W, Symmetrical Wide beam, 100.000hrs L70B50 lifespan, 450 x 335 x 75mm (LxWxD) dimensions, 5kg weight, RAL9017 Traffic Black color.



PRODUCT OVERVIEW

|                                   |                             |
|-----------------------------------|-----------------------------|
| Product name                      | Kalani IP66 28KLM 840 WB    |
| Technology                        | LED                         |
| Cap/Base                          | N/A                         |
| Housing                           | Aluminium                   |
| Mount                             | Other                       |
| General application               | Logistics & Industry        |
| ETIM Class                        | EC001744                    |
| E-number FI                       | 4579621                     |
| Warranty                          | 5 years                     |
| Useful luminous flux (Fuse)       | 30800                       |
| Fixture luminous flux (lm)        | 30800                       |
| Luminaire efficacy (lm/W)         | 156                         |
| Correlated colour temperature (k) | 4000                        |
| Light colour                      | Neutral White               |
| CRI (Ra)                          | 80                          |
| Colour Variation Initial (SDCM)   | SDCM3                       |
| Beam Angle (°)                    | 60                          |
| Photobiological Risk Group        | RG1                         |
| Total power consumption (W)       | 198                         |
| Electrical protection             | Class I                     |
| Control gear type                 | LED driver constant current |
| Dimmable                          | No                          |
| Dimming method                    | N/A                         |
| LED Flickering Rate               | Low (6% - 20%)              |
| Housing colour                    | RAL 9017 - Traffic black    |
| IP rating                         | IP66                        |
| IK rating                         | IK08                        |
| Product EAN number                | 5410288567167               |

DATA TABLE

General data

## Kalani Symmetric

*Kalani IP66 28KLM 840 WB*  
0056716

|                                  |                          |
|----------------------------------|--------------------------|
| Product name                     | Kalani IP66 28KLM 840 WB |
| Technology                       | LED                      |
| Cap/Base                         | N/A                      |
| Housing                          | Aluminium                |
| Mount                            | Other                    |
| General application              | Logistics & Industry     |
| Operating temperature range (°C) | -30°C...+50°C            |
| ETIM Class                       | EC001744                 |
| E-number FI                      | 4579621                  |
| Warranty                         | 5 years                  |

### Optical data

|                                   |               |
|-----------------------------------|---------------|
| Useful luminous flux (Fuse)       | 30800         |
| Fixture luminous flux (lm)        | 30800         |
| Luminaire efficacy (lm/W)         | 156           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 80            |
| Colour Variation Initial (SDCM)   | SDCM3         |
| Beam Angle (°)                    | 60            |
| Distribution type                 | Symmetric     |
| Photobiological Risk Group        | RG1           |

### Electrical data

|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                    | 198                         |
| Primary Supply/Product voltage - min (V)                       | 220.0                       |
| Primary Supply/Product voltage - max (V)                       | 240.0                       |
| Lamp power factor                                              | 0.95                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 20                          |
| Electrical protection                                          | Class I                     |
| Control gear type                                              | LED driver constant current |
| Dimmable                                                       | No                          |
| Dimming method                                                 | N/A                         |
| Drive current (mA)                                             | 840                         |
| Inrush Current (A)                                             | 80                          |
| Inrush Duration (µs)                                           | 350                         |
| Glow Wire Test (°C)                                            | 650                         |
| Energy Efficiency Class (A->G) of contained light source       | D                           |
| Nominal Frequency (Hz)                                         | 50/60Hz                     |
| LED Flickering Rate                                            | Low (6% - 20%)              |
| Max. products per 10A C Breaker                                | 6                           |
| Max. products per 13A C Breaker                                | 8                           |
| Max. products per 16A C Breaker                                | 10                          |
| Max. products per 20A C Breaker                                | 12                          |
| Max. products per 10A B Breaker                                | 5                           |
| Max. products per 13A B Breaker                                | 7                           |
| Max. products per 16A B Breaker                                | 8                           |

## Kalani Symmetric

*Kalani IP66 28KLM 840 WB*  
0056716

|                                                       |    |
|-------------------------------------------------------|----|
| Max. products per 20A B Breaker                       | 10 |
| Mains surge immunity (differential mode - > L-N) (kV) | 10 |
| Mains surge immunity (common mode -> L/N - GND) (kV)  | 10 |
| Connectable conductor cross section - Min (mm²)       | 1  |
| Connectable conductor cross section - Max (mm²)       | 1  |

### Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B50 | 97000  |
| Lifespan L80 B20 | 89000  |

### Physical data

|                             |                          |
|-----------------------------|--------------------------|
| Housing colour              | RAL 9017 - Traffic black |
| IP rating                   | IP66                     |
| IK rating                   | IK08                     |
| Diffuser finish             | Transparent              |
| Diffuser material           | Glass                    |
| Reflector finish            | Matt                     |
| Nominal Product Length (mm) | 450                      |
| Nominal Product Width (mm)  | 335                      |
| Nominal Product Height (mm) | 75                       |
| Weight (kg)                 | 5.0                      |

### Packaging

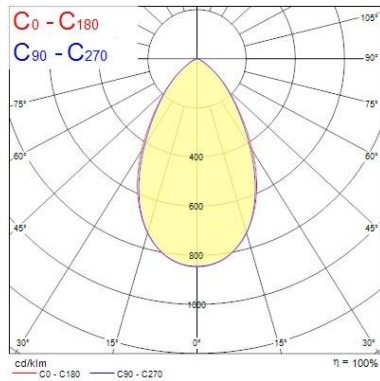
|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288567167  |
| Packaging single length / height (cm) | 50.5           |
| Packaging single width (cm)           | 38.0           |
| Packaging single depth (cm)           | 14.0           |
| DUN14 (inner)                         | 05410288567167 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 50.5           |
| Packaging outer width (cm)            | 38.0           |
| Packaging outer depth (cm)            | 14.0           |

### Safety data

|                                  |        |
|----------------------------------|--------|
| Optimal operating condition (°C) | -30-50 |
|----------------------------------|--------|

## PHOTOMETRY

**Kalani Symmetric**  
*Kalani IP66 28KLM 840 WB*  
**0056716**



| Distance [m] | Cone diameter [m] | Illuminance [lx]                                 |
|--------------|-------------------|--------------------------------------------------|
| 0.5          | 0.60<br>0.62      | 5071<br>E(C90) 30.0° 14088<br>E(C00) 31.6° 32960 |
| 1.0          | 1.19<br>1.23      | 2607<br>E(C90) 30.0° 6507<br>E(C00) 31.6° 806    |
| 1.5          | 1.79<br>1.85      | 1158<br>E(C90) 30.0° 2965<br>E(C00) 31.6° 366    |
| 2.0          | 2.38<br>2.46      | 651<br>E(C90) 30.0° 206<br>E(C00) 31.6° 202      |
| 2.5          | 2.98<br>3.08      | 417<br>E(C90) 30.0° 131<br>E(C00) 31.6° 129      |
| 3.0          | 3.58<br>3.69      | 287<br>E(C90) 30.0° 91<br>E(C00) 31.6° 89        |

## TECHNICAL DRAWINGS

