

## Raiden 21KLM

*Raiden IP66 21KLM 840 Symmetric Wide DALI*  
2824096



### Product features

- Outdoor and indoor floodlight range with in house design, comes complete with 1m flying lead and adjustable bracket, aluminium housing, RAL 9022 - Pearl light grey, clear glass diffuser, IP66, IK08, Class I, 4000K, DALI dimmable, 21700lm, 157W, 138lm/W, CRI80, Symmetric Wide beam angle 60°, 100000 hrs L90B50 lifespan, 511x319x76mm (LxWxH) dimensions, 6.8kg weight. Ball-impact-resistance according to DIN57710-13 VDE 0710 13/5.81, DIN 18032-3 only with the separate wire guard accessory fitted.



## PRODUCT OVERVIEW

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Product name                    | Raiden IP66 21KLM 840 Symmetric Wide DALI |
| Technology                      | LED                                       |
| Cap/Base                        | N/A                                       |
| Housing                         | Aluminium                                 |
| General application             | Logistics & Industry                      |
| ETIM Class                      | EC001744                                  |
| Warranty                        | 5 years                                   |
| Fixture luminous flux (lm)      | 21700                                     |
| Luminaire efficacy (lm/W)       | 138                                       |
| 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)     | 157                                       |
| Electrical protection           | Class I                                   |
| Dimmable                        | Yes                                       |
| Dimming method                  | DALI-2                                    |
| Housing colour                  | RAL 9022 - Pearl light grey               |
| IP rating                       | IP66                                      |
| IK rating                       | IK08                                      |
| Product EAN number              | 5025768240968                             |

## DATA TABLE

### General data

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Product name                     | Raiden IP66 21KLM 840 Symmetric Wide DALI |
| Technology                       | LED                                       |
| Cap/Base                         | N/A                                       |
| Housing                          | Aluminium                                 |
| General application              | Logistics & Industry                      |
| Operating temperature range (°C) | -40°C...+50°C                             |

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|                                         |          |
|-----------------------------------------|----------|
| Performance ambient temperature Tq (°C) | 25       |
| ETIM Class                              | EC001744 |
| Warranty                                | 5 years  |

### Optical data

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 21700         |
| Luminaire efficacy (lm/W)       | 138           |
| Colour temperature (K)          | 4000          |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Variation Initial (SDCM) | SDCM3         |
| Beam Angle (°)                  | 60            |
| Photobiological Risk Group      | RG1           |

### Electrical data

|                                                                |          |
|----------------------------------------------------------------|----------|
| Total power consumption (W)                                    | 157      |
| Mains voltage (V)                                              | 220-240V |
| 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 required                                          | No       |
| Transformer required                                           | No       |
| Dimmable                                                       | Yes      |
| Dimming method                                                 | DALI-2   |
| Drive current (mA)                                             | 3200     |
| Inrush Current (A)                                             | 125      |
| Inrush Duration (µs)                                           | 200      |
| Glow Wire Test (°C)                                            | 850      |
| Energy Efficiency Class (A->G) of contained light source       | E        |
| Nominal Frequency (Hz)                                         | 50/60Hz  |
| Max. Luminaires per 10A C Breaker                              | 6        |
| Max. Luminaires per 13A C Breaker                              | 5        |
| Max. Luminaires per 16A C Breaker                              | 6        |
| Max. Luminaires per 20A C Breaker                              | 8        |
| Max. Luminaires per 10A B Breaker                              | 3        |
| Max. Luminaires per 13A B Breaker                              | 3        |
| Max. Luminaires per 16A B Breaker                              | 3        |
| Max. Luminaires per 20A B Breaker                              | 4        |
| Mains surge immunity (differential mode - > L-N) (kV)          | 6        |
| Mains surge immunity (common mode -> L/N - GND) (kV)           | 10       |

### Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 94000  |
| Lifespan L90 B50 | 100000 |

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### Physical data

|                             |                             |
|-----------------------------|-----------------------------|
| Housing colour              | RAL 9022 - Pearl light grey |
| IP rating                   | IP66                        |
| IK rating                   | IK08                        |
| Nominal Product Length (mm) | 511                         |
| Nominal Product Width (mm)  | 319                         |
| Nominal Product Height (mm) | 76                          |
| Weight (kg)                 | 6.8                         |

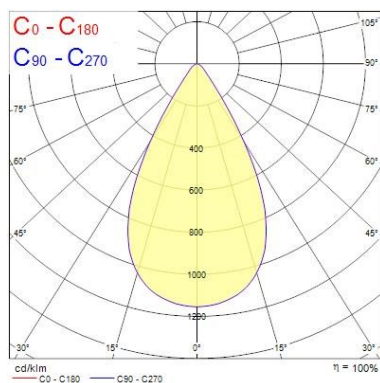
### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768240968  |
| Packaging single length / height (cm) | 56.0           |
| Packaging single width (cm)           | 41.5           |
| Packaging single depth (cm)           | 14.0           |
| DUN14 (outer)                         | 05025768240968 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 56.0           |
| Packaging outer width (cm)            | 41.5           |
| Packaging outer depth (cm)            | 14.0           |

### Safety data

|                                  |        |
|----------------------------------|--------|
| Optimal operating condition (°C) | -40-50 |
|----------------------------------|--------|

## PHOTOMETRY



|     |      |                      |                 |
|-----|------|----------------------|-----------------|
| 0.5 | 0.54 | E(0°)<br>E(C0) 28.8° | 100217<br>34173 |
| 1.0 | 1.09 | E(0°)<br>E(C0) 28.8° | 25064<br>8543   |
| 1.5 | 1.63 | E(0°)<br>E(C0) 28.8° | 11135<br>3797   |
| 2.0 | 2.17 | E(0°)<br>E(C0) 28.8° | 6284<br>2136    |
| 2.5 | 2.71 | E(0°)<br>E(C0) 28.8° | 4009<br>1367    |
| 3.0 | 3.26 | E(0°)<br>E(C0) 28.8° | 2784<br>949     |

Distance [m] Cone diameter [m]  
C0 - C180 (Half beam angle: 57.0°)

## TECHNICAL DRAWINGS

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