

# Concord

## Raiden IP66 12KLM 840 Symmetric Narrow DALI 2824093



### 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, 12100lm, 90W, 134lm/W, CRI80, Symmetric Narrow beam angle 25°, 100000 hrs L80B50 lifespan, 511x319x76mm (LxWxH) dimensions, 6.2kg weight.

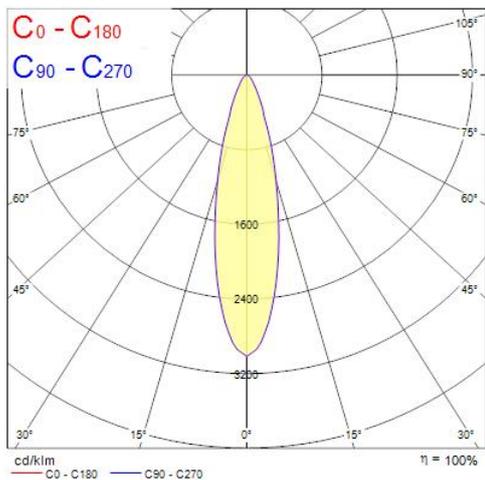
### Product Overview

Product name	Raiden IP66 12KLM 840 Symmetric Narrow DALI
Technology	LED
Cap/Base	N/A
Housing	Aluminium
General application	Logistics & Industry
ETIM Class	EC001744
Fixture luminous flux (lm)	12100
Luminaire efficacy (lm/W)	134
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	25
Photobiological Risk Group	RG1
Total power consumption (W)	90
Electrical protection	Class I
Dimmable	Yes
Housing colour	RAL 9022 - Pearl light grey
IP rating	IP66
IK rating	IK08
Product EAN number	5025768240937
Warranty	5 years

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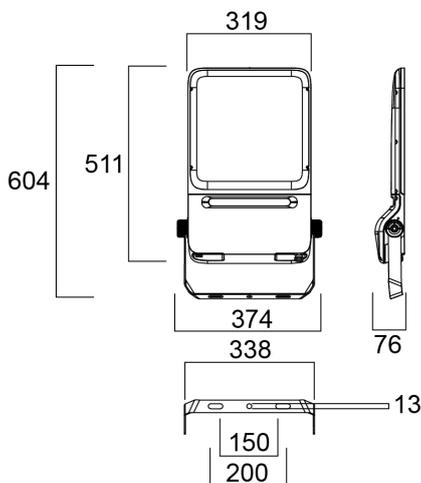
### Photometry



0.5	0.23	E(0°) E(C0)	145937 67891
1.0	0.45	E(0°) E(C0)	36434 16973
1.5	0.68	E(0°) E(C0)	16215 7543
2.0	0.91	E(0°) E(C0)	9121 4243
2.5	1.14	E(0°) E(C0)	5837 2716
3.0	1.36	E(0°) E(C0)	4054 1866

Distance [m] Cone diameter [m] Illuminance [lx]  
 C0 - C180 (Half beam angle: 25.6°)

### Technical drawings



### Data table

#### GENERAL DATA

Product name

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Technology	LED
Cap/Base	N/A
Housing	Aluminium
General application	Logistics & Industry
Operating temperature range (°C)	-40°C - 50°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
Warranty	5 years

### OPTICAL DATA

Fixture luminous flux (lm)	12100
Luminaire efficacy (lm/W)	134
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	25
Photobiological Risk Group	RG1

### ELECTRICAL DATA

Total power consumption (W)	90
Mains voltage (V)	220-240V~
Lamp power factor	0.95
Electrical protection	Class I
Control gear required	No
Transformer required	No
Dimmable	Yes
Drive current (mA)	1820
Inrush Current (A)	180
Inrush Duration (µs)	150
Glow Wire Test (°C)	850
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	6

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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

### LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L80 B20	100000

### 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
Nominal Product Diameter (mm)	Not applicable
Weight (kg)	6.2

### PACKAGING

Single packaging type	Carton
Product EAN number	5025768240937
Packaging single length / height (cm)	56.0
Packaging single width (cm)	41.5
Packaging single depth (cm)	14.0
DUN14 (outer)	05025768240937
Units per outer package	1
Packaging outer length / height (cm)	56.0
Packaging outer width (cm)	41.5
Packaging outer depth (cm)	14.0

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## SAFETY DATA

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<b>Optimal operating condition (°C)</b>	-40-50
<b>Special purpose lamp</b>	No
<b>Dry applications use only</b>	No
<b>Suitable for household illumination</b>	No