



LiNi-R 208

Specification sheet

KKDC



24V DC

15.55
W/m

4.74
W/ft

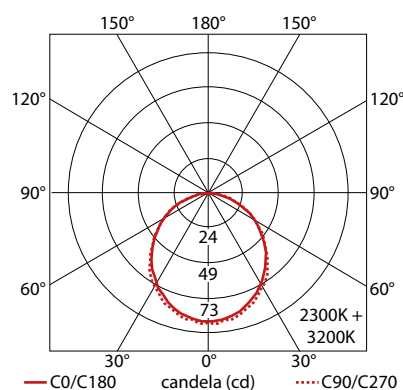
39
lm/W

IP40



PRODUCT SPECIFICATION

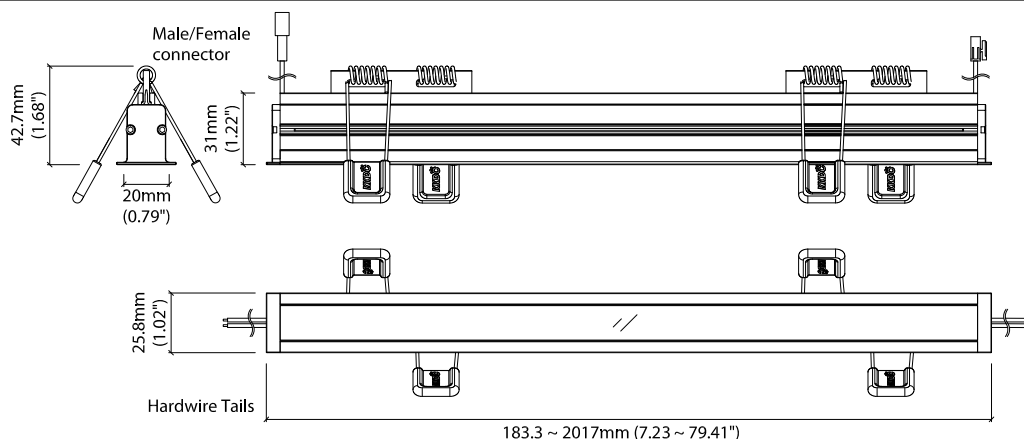
| | |
|-----------------------|--|
| Dimension | H42.7/W25.8/L183.7-2017mm (H1.68/W1.02/L7.23-79.41in) (including spring clips) |
| PCB increment | 166.7mm increment/2000mm max (6.56in increment/78.74in max) |
| LED pitch | 23.8mm - 84LED/m (0.94in - 25.61LED/ft) between same coloured LEDs |
| Chip | Toyoda Gosei |
| Beam angle | Diffused |
| Colours | White: 2100K/2300K/2500K/2700K/3000K/3200K/3500K/3800K/5000K |
| Bin/Step | Line 2 Step MacAdam ellipse (For each colour option) |
| CRI | ≥ 90 |
| Lifetime | 50,000 hours @ 25°C (50,000 hours @ 77°F) |
| Operating temp | T _a = -25 to 50°C (T _c max = 76.6°C) T _a = -13 to 122°F (T _c max = 169.9°F) |
| IP rating | IP40 |
| Finish | Silver anodised |
| Cover/lens | Diffused |
| Mounting | Recessed mounting via spring clip |
| Connection | Hardwire tails or male/female connectors |
| Control | 0-10V/1-10V/DMX/DALI (see visDIM range) |



PERFORMANCE DATA for 2300K + 3000K

| | |
|--------------------------|---------------------|
| Power consumption | 15.55W/m (4.74W/ft) |
| Supply voltage | 24V DC |
| Supply current | 0.65A/m (0.198A/ft) |
| Luminous flux | 606lm/m (185lm/ft) |

TECHNICAL DRAWING



Data derived from production samples independently tested to UKAS / IESNA LM-79-08 standards.

See KKDC website for product document updates.

www.kkdc.lighting

LiNiR208S-01EN-20170718



LiNi-R 208

Photometric Test Report



PRODUCT DETAILS

| | |
|---|---|
| Product name : | LiNi-R 208 |
| Stated output : | 487lm per metre |
| Description : | Linear recessed LED, 3200K, 24V, 15.55W/m |
| Quantity/length of product tested : | 1 x 517mm |
| Bin tolerance/#. MacAdams ellipse of chip : | 2 Step MacAdam Ellipse (+/- 91K) |

ELECTRICAL CHARACTERISTICS

| | |
|-------------------------|-----|
| Input Voltage (V DC) : | 24 |
| Input power (W DC) : | 7.8 |
| Input Current (mA DC) : | 326 |

LIGHT OUTPUT

| | |
|-------------------------------|-------|
| Total light output (Lumens) : | 244 |
| Luminaire efficacy (lm/W) : | 31.29 |
| Beam angle : | 105° |

COLOUR CHARACTERISTICS

| | |
|---|----------------|
| Correlated colour temperature (CCT) : | 2481K |
| Colour rendering index (CRI Ra) : | 92 |
| Chromaticity coordinates (CIE 1931 - x,y) : | 0.4751, 0.4083 |

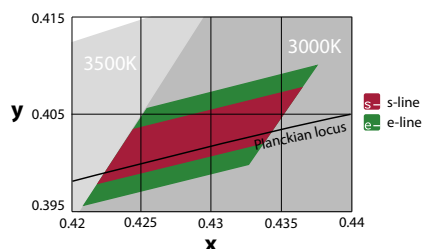
TEST DETAILS

| | |
|--|--|
| Test Standards : | Data from production samples independently tested to IESNA LM-79-08 standards. |
| Number of hours operated prior to test measurement : | 24 |
| Stabilisation time (minutes) : | 45 |
| Test orientation : | Base Up |
| Ambient test temperature : | 24.4°C |
| Data measured at luminaire : | V,W,mA,lm/W |

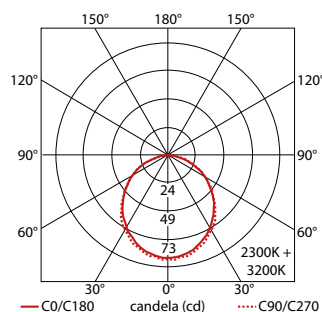
COLOUR RENDERING INDEX (CRI)

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 |
| 92.8 | 97.3 | 97.9 | 90.6 | 91.7 | 96.1 | 88.7 | 77.1 | 52.4 | 90.4 | 90.8 | 78.9 | 94.5 | 97.6 |

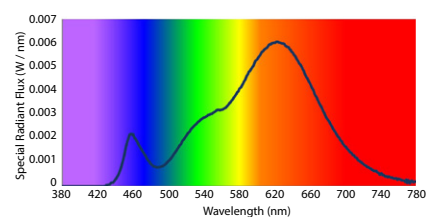
KKDC BIN DETAILS (CIE 1931)



POLAR CURVE



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



TEST SPECIFICATIONS

| | |
|---------------------------|--|
| Test Lab : | LUX-TSI Ltd, Pencoed Technology Park, CF35 5HZ, UK |
| Test equipment : | 40-inch (1metre) Integrating Sphere Spectroradiometer System. Fluke 289 True RMS Multimeter. Yokogawa TY720 Digital Multimeter. |
| Measurement uncertainty : | Total Luminous Flux +/-5.6%, CCT +/-100K, CRI +/-2 |

