



Features

• Isoline LED linear DALI dimmable luminaire for industrial and commercial applications. 1690 mm length with wide optics provide homogeneous light distribution for open areas. Suitable for DALI Dimming. Aluminium housing, RAL 9016. Max + 35 °C operating temperature range, 4000 K, CRI 80, UGR <25, 3 SDCM. 56 W power consumption, 8150 lm luminous flux, 145 lm/W efficacy, 1690 mm x 62 mm x 59 mm (L x W x H) dimensions, IP20, IK03, DC 50/60 Hz, Class I. Lifespan L70:B50 60,000 hours.

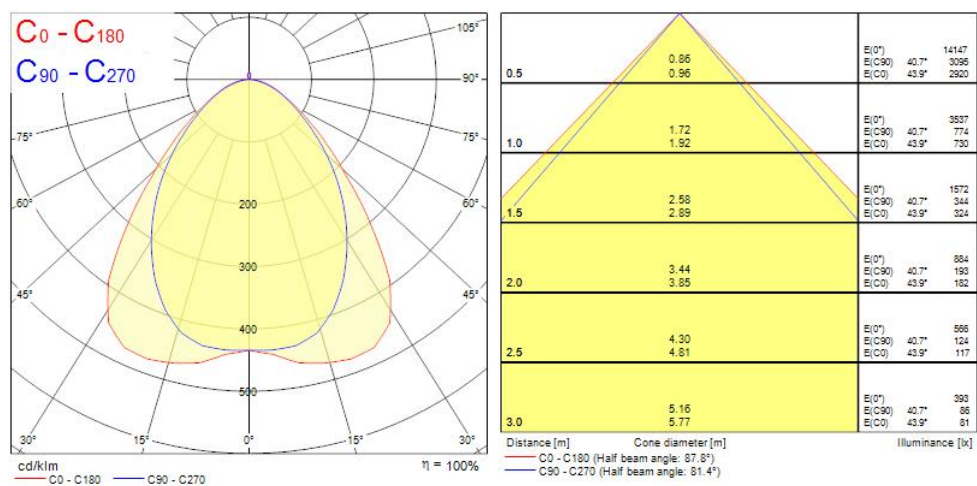
Product Overview

|                                   |                             |
|-----------------------------------|-----------------------------|
| Product name                      | ISOLINE 1690MM 4K WD DA 8C  |
| Technology                        | LED                         |
| Cap/Base                          | N/A                         |
| Housing                           | Aluminium                   |
| Mount                             | Suspended                   |
| Fixture rating                    | Enclosed                    |
| General application               | Logistics & Industry        |
| ETIM Class                        | EC000986                    |
| Fixture luminous flux (lm)        | 8150                        |
| Luminaire efficacy (lm/W)         | 145                         |
| Correlated colour temperature (k) | 4000                        |
| CRI (Ra)                          | 80                          |
| Colour Variation Initial (SDCM)   | 3                           |
| Beam Angle (°)                    | 90                          |
| Glare control                     | < 25                        |
| Photobiological Risk Group        | RG1                         |
| Total power consumption (W)       | 56                          |
| Electrical protection             | Class I                     |
| Control gear type                 | LED driver constant current |
| Dimmable                          | Yes                         |
| Minimum dimming level (%)         | 1                           |

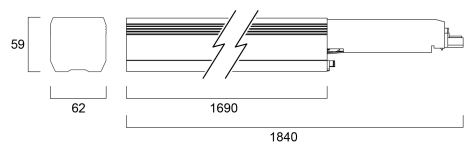
ISOLINE 1690MM 4K WD DA 8C  
0042521

|                     |                        |
|---------------------|------------------------|
| LED Flickering Rate | Ultra low (5% or less) |
| Housing colour      | RAL9016                |
| IP rating           | IP20                   |
| IK rating           | IK03                   |
| Product EAN number  | 5410288425214          |
| Warranty            | 5 years                |
| Dimming method      | DALI                   |
| Colour Code         | 840                    |

Photometry



Technical drawings



Data table

## ISOLINE 1690MM 4K WD DA 8C 0042521

### GENERAL DATA

|                                  |                            |
|----------------------------------|----------------------------|
| Product name                     | ISOLINE 1690MM 4K WD DA 8C |
| Technology                       | LED                        |
| Cap/Base                         | N/A                        |
| Housing                          | Aluminium                  |
| Mount                            | Suspended                  |
| Fixture rating                   | Enclosed                   |
| General application              | Logistics & Industry       |
| Operating temperature range (°C) | 0°C...+35°C                |
| ETIM Class                       | EC000986                   |
| Warranty                         | 5 years                    |

### OPTICAL DATA

|                                   |      |
|-----------------------------------|------|
| Fixture luminous flux (lm)        | 8150 |
| Luminaire efficacy (lm/W)         | 145  |
| Correlated colour temperature (k) | 4000 |
| Colour Code                       | 840  |
| CRI (Ra)                          | 80   |
| Colour Variation Initial (SDCM)   | 3    |
| Beam Angle (°)                    | 90   |
| Glare control                     | < 25 |
| Photobiological Risk Group        | RG1  |

### ELECTRICAL DATA

|                                                                  |                             |
|------------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                      | 56                          |
| Primary Supply/Product voltage - min (V)                         | 220                         |
| Primary Supply/Product voltage - max (V)                         | 240                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 5.5                         |
| Electrical protection                                            | Class I                     |
| Control gear required                                            | No                          |
| Control gear type                                                | LED driver constant current |
| Dimmable                                                         | Yes                         |

## ISOLINE 1690MM 4K WD DA 8C 0042521

|                                                          |                        |
|----------------------------------------------------------|------------------------|
| Dimming method                                           | DALI                   |
| Minimum dimming level (%)                                | 1                      |
| Drive current (mA)                                       | 250                    |
| Inrush Current (A)                                       | 28                     |
| Energy Efficiency Class (A->G) of contained light source | C                      |
| Nominal Frequency (Hz)                                   | 50/60Hz                |
| LED Flickering Rate                                      | Ultra low (5% or less) |
| Max. products per 10A B Breaker                          | 14                     |
| Max. products per 16A B Breaker                          | 23                     |
| Connectable conductor cross section - Min (mm²)          | 0.5                    |
| Connectable conductor cross section - Max (mm²)          | 4                      |

### LIFETIME DATA

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 60000 |
| Lifespan L80 B10 | 60000 |
| Lifespan L90 B10 | 31500 |

### PHYSICAL DATA

|                             |              |
|-----------------------------|--------------|
| Housing colour              | RAL9016      |
| IP rating                   | IP20         |
| IK rating                   | IK03         |
| IK rating of sensor         | IK03         |
| Diffuser finish             | Transparent  |
| Diffuser material           | PMMA Acrylic |
| Nominal Product Length (mm) | 1690         |
| Nominal Product Width (mm)  | 62           |
| Nominal Product Height (mm) | 59           |
| Weight (kg)                 | 3.5          |

### PACKAGING

|                    |               |
|--------------------|---------------|
| Product EAN number | 5410288425214 |
|--------------------|---------------|



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|                                       |                |
|---------------------------------------|----------------|
| Packaging single length / height (cm) | 185.0          |
| Packaging single width (cm)           | 7.2            |
| Packaging single depth (cm)           | 6.9            |
| DUN14 (inner)                         | 05410288425214 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 185.0          |
| Packaging outer width (cm)            | 7.2            |
| Packaging outer depth (cm)            | 6.9            |

SAFETY DATA

|                                     |     |
|-------------------------------------|-----|
| Glow Wire Test (°C)                 | 650 |
| Special purpose lamp                | No  |
| Dry applications use only           | No  |
| Suitable for household illumination | No  |