

# K-CATASTA

## CLASSICAL DESIGN MEETS FLEXIBILITY

- Classical design for multiple applications
- Four different beam angles for all lighting functions
- Functionality: Colour temperature 1,800 K to 16,000 K
- High colour stability from micro-controller controlled LED management with temperature compensation and factory calibration
- Highly permeable safety glass
- Soft light mixing and uniform light distribution
- Swivel range 30°
- Passive cooling including thermal management
- Mounting: Flush-mounted



Environment  
friendly



Low  
consumption



Long  
service life



Tunable  
White



Brightness  
dimmable



RGB  
adjustable

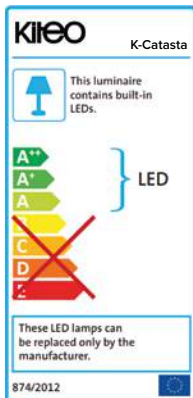


Excellent  
CRI

# TECHNICAL DATA

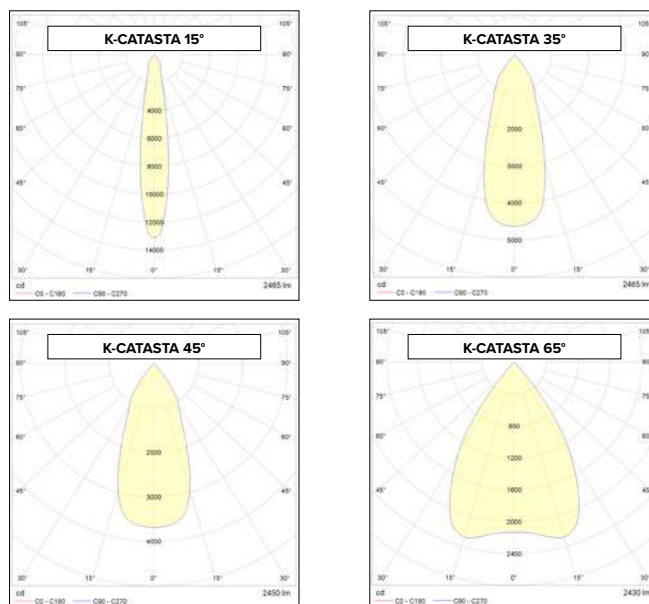
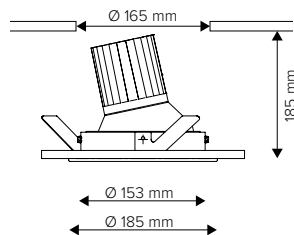
## K-CATASTA Recessed luminaire

|                     |                                                                                   |
|---------------------|-----------------------------------------------------------------------------------|
| Luminous source     | LED module <b>PI-LED</b>                                                          |
| Connected load      | 34 W                                                                              |
| Beam angle          | 15°   35°   45°   65°                                                             |
| Luminous flux       | 15°/35°-Reflector: 2,640 lm<br>45°-Reflector: 2,620 lm<br>65°-Reflector: 2,600 lm |
| Colour temperature  | 1,800 K–16,000 K                                                                  |
| CRI                 | 90                                                                                |
| Protection category | IP 20                                                                             |
| Dimming range       | CCT/CIE-xy 5–100%<br>RGB 0–100%<br>L80/B10 50,000h                                |
| Service lifetime    | CE / RoHS Conformity                                                              |
| Tests / approvals   | CE / RoHS Conformity                                                              |
| Weight              | 1.4 kg                                                                            |
| Operating voltage   | 230 VAC                                                                           |
| Control mode        | NeoLink/ZigBee<br>DALI DT8                                                        |
| Protection class    |                                                                                   |
| Mounting            | Flush-mounted                                                                     |



### Dimensions

Swivel range 12°



## ORDER DATA

| Art.No.      | Luminaire                                  |
|--------------|--------------------------------------------|
| K-CA-15-NZ-W | K-Catasta 15° / PI-LED / NeoLink / White   |
| K-CA-15-NZ-S | K-Catasta 15° / PI-LED / NeoLink / Silver  |
| K-CA-35-NZ-W | K-Catasta 35° / PI-LED / NeoLink / White   |
| K-CA-35-NZ-S | K-Catasta 35° / PI-LED / NeoLink / Silver  |
| K-CA-45-NZ-W | K-Catasta 45° / PI-LED / NeoLink / White   |
| K-CA-45-NZ-S | K-Catasta 45° / PI-LED / NeoLink / Silver  |
| K-CA-65-NZ-W | K-Catasta 65° / PI-LED / NeoLink / White   |
| K-CA-65-NZ-S | K-Catasta 65° / PI-LED / NeoLink / Silver  |
| K-CA-15-DA-W | K-Catasta 15° / PI-LED / DALI DT8 / White  |
| K-CA-15-DA-S | K-Catasta 15° / PI-LED / DALI DT8 / Silver |
| K-CA-35-DA-W | K-Catasta 35° / PI-LED / DALI DT8 / White  |
| K-CA-35-DA-S | K-Catasta 35° / PI-LED / DALI DT8 / Silver |
| K-CA-45-DA-W | K-Catasta 45° / PI-LED / DALI DT8 / White  |
| K-CA-45-DA-S | K-Catasta 45° / PI-LED / DALI DT8 / Silver |
| K-CA-65-DA-W | K-Catasta 65° / PI-LED / DALI DT8 / White  |
| K-CA-65-DA-S | K-Catasta 65° / PI-LED / DALI DT8 / Silver |

\* Required control on page 58 ff. Fixed White on request.

### Notes

The photometric data of a tolerance of +/- 15%, the electrical data of a tolerance of +/- 15%. Unless otherwise specified, the values are based on 3,000K and an ambient temperature of 25°C. Permissible operating temperature 10°C - 35°C. The manufacturer reserves the right to change any product specification without prior notice. CCT values outside the range 2,500-7,000K can be set in the CIE-xy mode. The coefficient alpha(smel) describes the melanopic effectiveness of the light source on humans and their circadian rhythm. To give the natural human biorhythm the best possible support, the melatonin production can be minimized by higher values of alpha(smel) throughout the day and stimulated by lower values in the evening. PI-LED enables the implementation of an illumination that is not only visually but also biologically/melanopic effective. For a standard-conforming lighting design, Lumitech recommends the document DIN SPEC 5031-100 to be taken as a basis. More documents can be found at [www.kiteo.eu](http://www.kiteo.eu).  
Last change: 07.03.2019

| CCT<br>[K] | VISUAL DATA        |      |      | MELANOPIC<br>ACTION FACTOR |
|------------|--------------------|------|------|----------------------------|
|            | Luminous flux [lm] |      |      | alpha<br>(smel)            |
|            | 15°/35°            | 45°  | 65°  |                            |
| 1,800      | 1460               | 1450 | 1435 | 0.244                      |
| 2,000      | 1715               | 1705 | 1670 | 0.269                      |
| 2,500      | 2455               | 2440 | 2420 | 0.337                      |
| 2,700      | 2740               | 2725 | 2700 | 0.372                      |
| 3,000      | 2640               | 2620 | 2600 | 0.423                      |
| 3,500      | 2530               | 2515 | 2495 | 0.502                      |
| 4,000      | 2465               | 2450 | 2430 | 0.575                      |
| 4,500      | 2425               | 2410 | 2390 | 0.642                      |
| 5,000      | 2400               | 2385 | 2365 | 0.702                      |
| 5,500      | 2385               | 2370 | 2350 | 0.756                      |
| 6,000      | 2375               | 2360 | 2340 | 0.804                      |
| 6,500      | 2370               | 2355 | 2335 | 0.847                      |
| 7,000      | 2365               | 2350 | 2330 | 0.885                      |
| 8,000      | 2360               | 2350 | 2330 | 0.950                      |
| 9,000      | 2365               | 2350 | 2330 | 1.003                      |
| 10,000     | 2365               | 2350 | 2330 | 1.045                      |
| 12,000     | 2200               | 2185 | 2165 | 1.111                      |
| 14,000     | 2055               | 2040 | 2025 | 1.157                      |
| 16,000     | 1900               | 1885 | 1870 | 1.213                      |