



SEN 100

Specification sheet



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|-----------------------|--|
| Dimension | H43.2/W39.2/L210-1810mm (H1.70/W1.54/L8.27-71.26in) 1810mm (71.26in) max for UL |
| PCB increment | 100mm (3.94in) |
| LED pitch | 100mm - 10LED/m (3.94in - 3LED/ft) |
| Chip | hcc-line Cree |
| Beam angle | 10°/20°/30°/60°/Spread lens (10°x45°)/No lens |
| Colours | hcc-line White: 2700K/3000K/3500K/4000K/5000K Single colours: Red/Green/Blue |
| Bin/Step | hcc-line 3 Step MacAdam Ellipse |
| CRI | 80 (2700K-4000K)/75 (5000K) |
| Lifetime | 50,000 hours @ 25°C (50,000 hours @ 77°F) |
| Operating temp | 350mA: T _a = -25 to 75°C (T _c max = 82°C) T _a = -13 to 167°F (T _c max = 179.6°F) 700mA: T _a = -25 to 55°C (T _c max = 71°C) T _a = -13 to 131°F (T _c max = 159.8°F) |
| IP rating | IP54/67 |
| Finish | Silver anodised |
| Cover/lens | Clear/Clear+Micro Louvre/Lens options |
| Mounting | Surface mounting via brackets |
| Connection | Sheathed hardwire tail |
| Control | 0-10V/1-10V/DMX/DALI via. External power supply options |



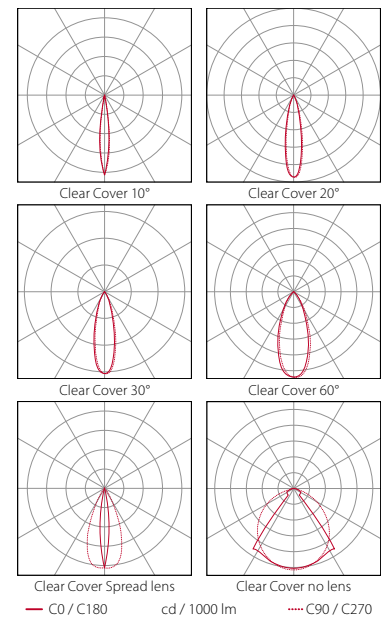
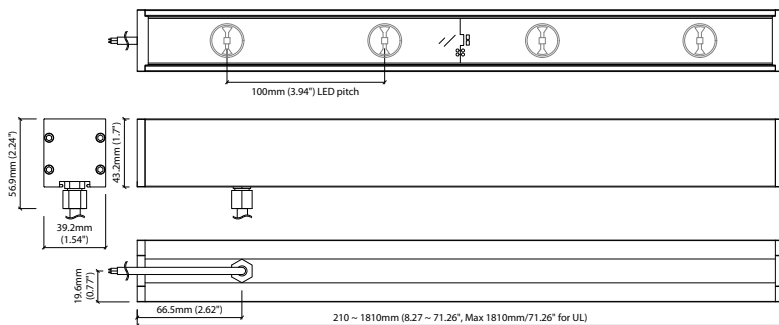
LED Grading Key

| | | |
|------------|-------------------------|-------------|
| hcc | hcc-line* | |
| | Constant Current Lensed | |
| | High Power LED 2-step | *KKDC tuned |
| | CCT range | CCT range |
| | (4-step for | |
| | 5000K, 6500K) | |

PERFORMANCE DATA @ 3000K

| | | |
|-----------------------------------|--------------------------------|-------------------------------|
| Power consumption | Supply voltage | Supply current |
| TYP. 10.675W/m (3.25W/ft) @ 350mA | TYP. 30.5V/m (9.3V/ft) @ 350mA | 0.35/0.7A/m (0.107/0.213A/ft) |
| TYP. 23.1W/m (7.04W/ft) @ 700mA | TYP. 33V/m (10.1V/ft) @ 700mA | |

| | Clear Cover 10° | Clear Cover 20° | Clear Cover 30° | Clear Cover 60° | Clear Cover Spread Lens | Clear Cover No Lens | Clear Cover + Micro Louvre | CRI | R9 | Rf | Rg |
|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|---|-----|----|----|----|
| hcc-line | 719lm/m (219lm/ft), 67.4lm/W | 741lm/m (226lm/ft), 69.5lm/W | 676lm/m (206lm/ft), 63.3lm/W | 767lm/m (234lm/ft), 71.8lm/W | 719lm/m (219lm/ft), 67.4lm/W | 599lm/m (183lm/ft), 56.5lm/W | -60% Output when combined with Cover and Lens options | - | - | - | - |
| | @ 3000K, 350mA | @ 3000K, 350mA | @ 3000K, 350mA | @ 3000K, 350mA | @ 3000K, 350mA | @ 3000K, 350mA | | | | | |
| | 1190lm/m (362lm/ft), 51.5lm/W | 1226lm/m (384lm/ft), 53.1lm/W | 1118lm/m (341lm/ft), 48.4lm/W | 1269lm/m (387lm/ft), 54.9lm/W | 1190lm/m (363lm/ft), 51.5lm/W | 992lm/m (302lm/ft), 42.9lm/W | -60% Output when combined with Cover and Lens options | - | - | - | - |
| | @ 3000K, 700mA | @ 3000K, 700mA | @ 3000K, 700mA | @ 3000K, 700mA | @ 3000K, 700mA | @ 3000K, 700mA | | | | | |



Data derived from independent UKAS / IESNA LM-79-08 accredited testing of production samples.