



LED for Specialty



UV + IR for Kiosk Monitor Disinfection

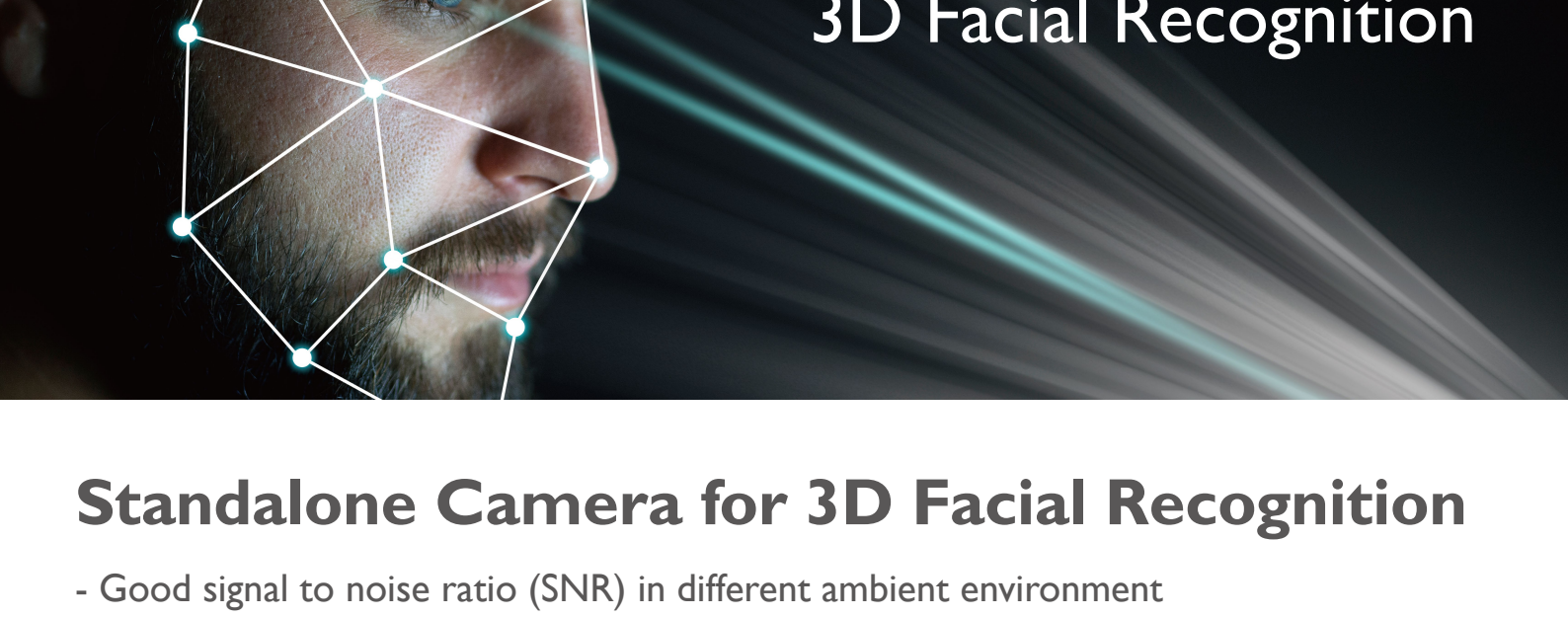
- UVC for monitor surface disinfection
- IR for motion sensing
- USB and adaptor power delivery available
- Automated disinfecting cycles of UV-C light
- Eliminating 99.99% of E. coli viruses within 30 seconds

Wavelength	265nm~275nm (UVC) 395nm~410nm (UVA) 920nm~960nm (IR)
Package	Mid-power UVC (PU35CM1 V3) Mid-Hi power UVC (PU35CM7 V0) Mid-power UVA (PU88S04 V0) Hi-power IR I20D (PR35T40 V0)
Application	Kiosk / POS / Touch Panel Screen

Sensor Board – Customized Solution Provider

- Various sensing solution : IR sensor, ranging sensor...etc.
- Custom design service for multiple sensor-on-board
- Providing optimized module design combining various functions including device or user protection
- Custom designed Human-Machine Interface (HMI) (optional)

Sensor Solutions	IR sensor – Optimized module design combining emitter / receiver
	Ranging sensor – Providing high-precision distance detection
HMI	Software for PC
	APP for mobile devices



3D Facial Recognition

Standalone Camera for 3D Facial Recognition

- Good signal to noise ratio (SNR) in different ambient environment
- Low red glow impact
- Prevent spoofing by showing a picture of the person
- Optional algorithm available (age, gender or emotion)

Dual Lens	RGB+NIR
IR LED Wavelength	940nm (PR35T11 V0)
Recognition Distance	20-80 cm
Application	Access control system



IR LED - PR35V Series

Introduction of High Power IR LED

Lextar Electronics introduces a high power IR LED family with asymmetric viewing angle specially designed for vision systems.

- Asymmetric radiation pattern
- Dual junction chip available
- Low thermal resistance
- 850nm



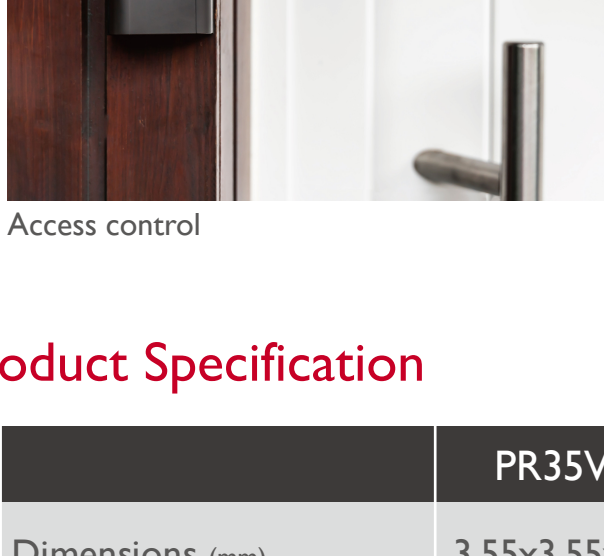
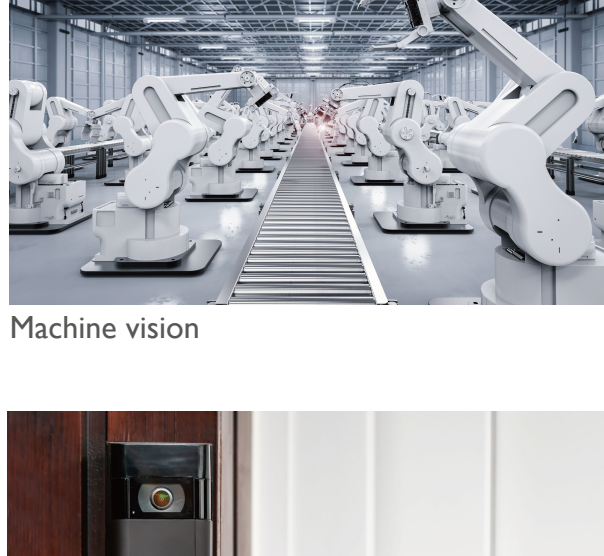
PR35V Series

Benefit

Asymmetric radiation pattern for better illumination at the corners of the camera field of view.

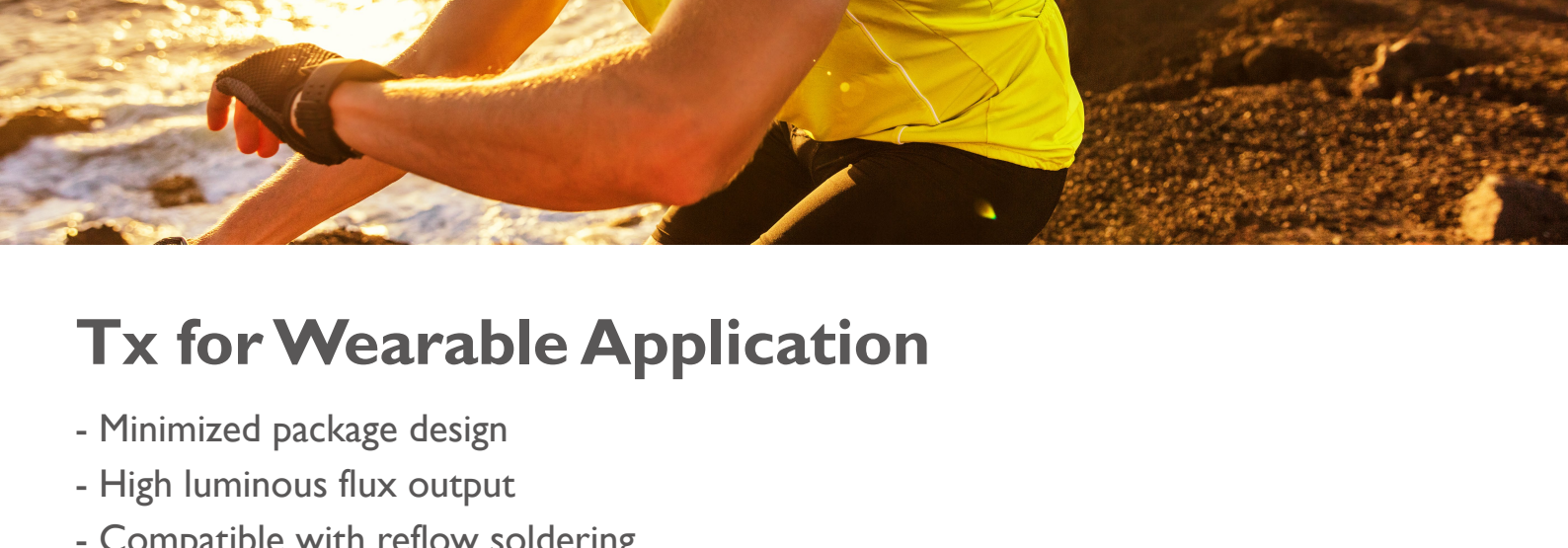


Applications



Product Specification

	PR35V30	PR35V21	PR35V11
Dimensions (mm)	3.55x3.55x1.87	3.55x3.55x1.87	3.55x3.55x1.87
Viewing angle (°)	130x80	130x80	130x80
Max. DC forward current (A)	1	1.5	1.5
Output power @ max. DC forward current (W)	0.64	1	1.8
Forward voltage @ 1A (V)	1.75	1.8	3.2
Wavelength (nm)	850	850	850



Wearable

Tx for Wearable Application

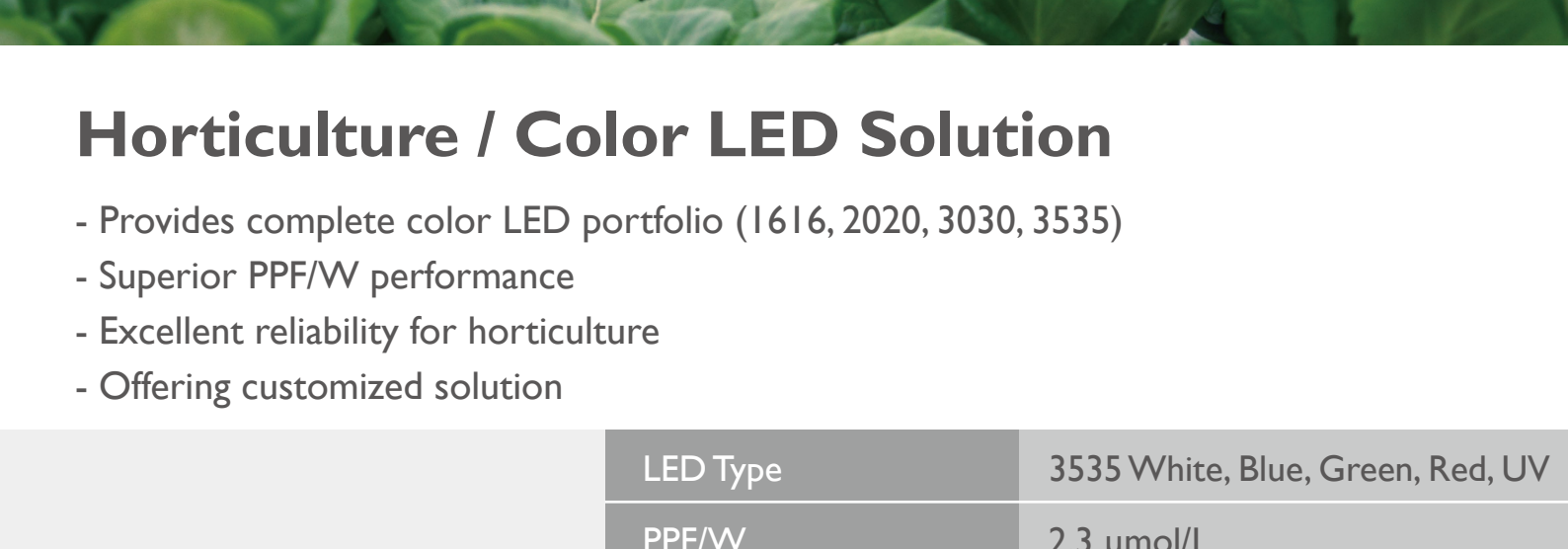
- Minimized package design
- High luminous flux output
- Compatible with reflow soldering

Wavelength	530 ~ 1050 nm
Package	Single chip package in SMD Multi chip package in SMD
Radiant Intensity	6 mW/sr @ 530nm 4.5mW/sr @ 660nm 3.2mW/sr @ 940nm
Application	Wearable devices Heart rate monitoring Pulse oximetry

Rx for Wearable Application

- Enhanced sensitivity for visible light
- Suitable for visible and near infrared radiation
- Fast response time
- RoHS compliant and Pb free package

Dimension	2.0x1.8 ~ 4.8x2.5 mm
Package	Standard type IR cut type
Sensitivity	0.38 A/W @ 525 nm 0.46 A/W @ 660 nm 0.57 A/W @ 940 nm
Application	Wearable devices Heart rate monitoring Pulse oximetry Photo detectors



Special Lighting – Horticulture and Solar White

Horticulture / Color LED Solution

- Provides complete color LED portfolio (1616, 2020, 3030, 3535)
- Superior PPF/W performance
- Excellent reliability for horticulture
- Offering customized solution

LED Type	3535 White, Blue, Green, Red, UV
PPF/W	2.3 μmol/J
Power	100W

Solar White Solution (CRI>97)

- Delivering true to life colors
- Outstanding CRI 97 solution
- Ra>95, high efficacy up to 150 lm/W
- Offering customized solution

LED Type	3030 2700K & 6500K
Luminous Flux	2700K 1020 lm @ 300mA 6500K 1130 lm @ 300mA
Power	100W