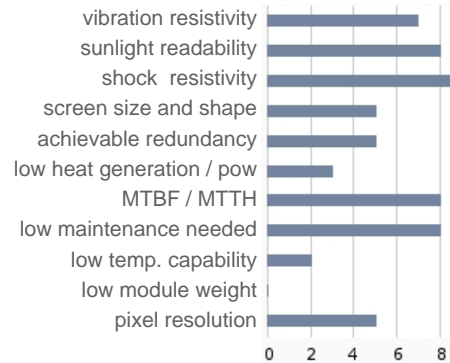
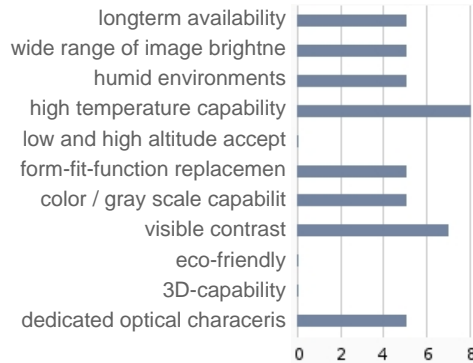
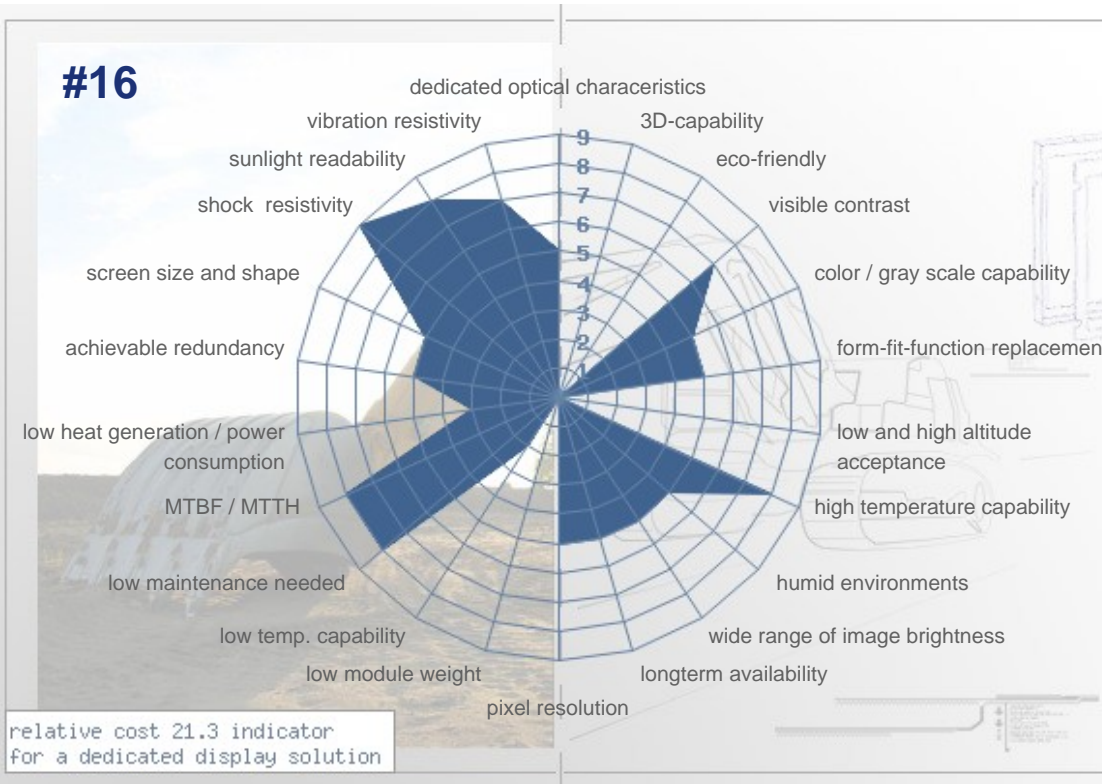


Individual display solutions for demanding applications

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#16



characteristic values for demandig display applications – printed profile shows an example for a typical application

	0	5	9
3D-capability	no possibility	head tracking or goggles	full 3D no tools needed
dedicated optical characteristics	notebook-like	acceptable artefacts @ room temp	no angular depending artefacts @ full spec
low and high altitude acceptance	not needed	~ 700 – 1000 hPa	~ 300 – 1500 hPa
color / gray scale capability	not ranked		3 x 10 bit resolution
visible contrast	not ranked	CR 10:1 static	CR 10.000:1 static
eco-friendly	not ranked		confirms highest specs and can be fully recycled
form-fit-function replacement	not needed	can replace previous models	can replace previous models of own and 3rd party
high temperature capability	not needed	60°C display surface	120°C display surface
humid environments	not needed	90% non condensing	condensing
wide range of image brightness	not needed	dimming ratio 1:50	dimming ratio 1:10.000
longterm availability	not needed	24 month	20 years
low heat generation / power consumption	not ranked	~ 0,2W/cm²	~ 0,02W/cm²
low module weight	not ranked	~ 5 g / cm²	~ 0,1 g/cm²
low temperature capability	not needed	~ -5°C display temp	~ -60°C display temp
low maintenance needed	not ranked	every 5.000 h	every 50.000h
MTBF / MTTH	not ranked	5.000h	50.000h
pixel resolution	not ranked	100ppi	1000ppi
achivable redundancy	no redundancy	dedicated parts redundancy	full build-in redundancy
screen size and shape	not ranked	square @ typical sizes	free-form @ custom sizes
shock resistivity	not needed		~ 100g @ 5ms
sunlight readability	CR 5:1 dark room		~ CR 20:1 @ 100.000lx ambient
vibration resistivity	not needed		~ 10g @ 0-2000Hz