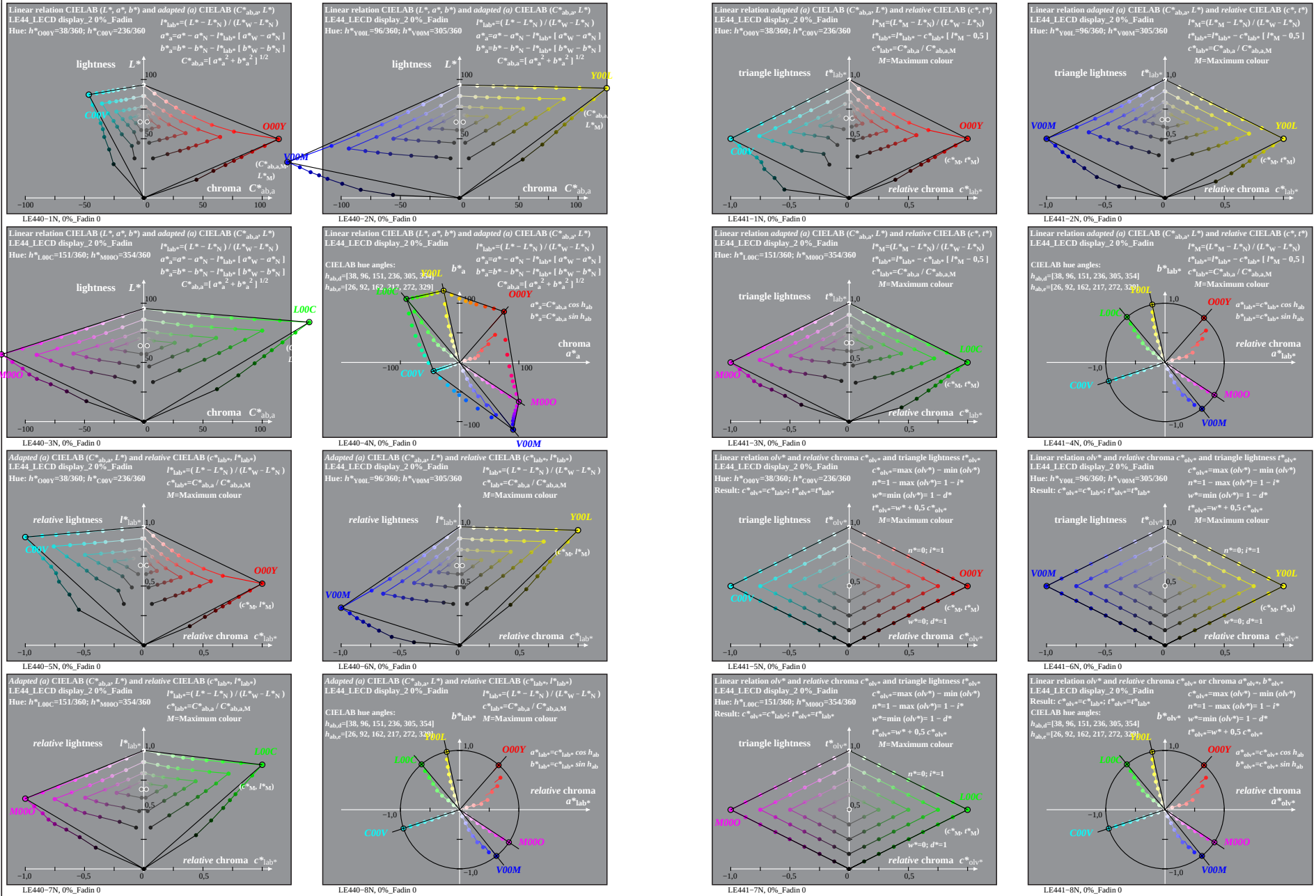
Linear relation CIELAB (L*, a*, b*) and adapted (a) CIELAB (C*ab,a, L*)
LE44_LECD display_2 0%_Fadin
Hue: h*O00Y=38/360; h*C00V=236/360
l*lab*=(L* − L*N) / (L*W − L*N)
a*a=a* − a*N − l*lab* [a*W − a*N]
b*a=b* − b*N − l*lab* [b*W − b*N]
C*ab,a=[a*a2 + b*a2] 1/2
lightness L*
chroma C*ab,a
LE440−1N, 0%_Fadin 0
Linear relation CIELAB (L*, a*, b*) and adapted (a) CIELAB (C*ab,a, L*)
LE44_LECD display_2 0%_Fadin
Hue: h*Y00L=96/360; h*V00M=305/360
l*lab*=(L* − L*N) / (L*W − L*N)
a*a=a* − a*N − l*lab* [a*W − a*N]
b*a=b* − b*N − l*lab* [b*W − b*N]
C*ab,a=[a*a2 + b*a2] 1/2
lightness L*
chroma C*ab,a
LE440−2N, 0%_Fadin 0
Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, t*)
LE44_LECD display_2 0%_Fadin
Hue: h*O00Y=38/360; h*C00V=236/360
l*M=(L*M − L*N) / (L*W − L*N)
t*lab*=l*lab* − c*lab* [l*M − 0,5]
c*lab*=C*ab,a / C*ab,a,M
M=Maximum colour
triangle lightness t*lab*
relative chroma c*lab*
LE441−1N, 0%_Fadin 0
Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, t*)
LE44_LECD display_2 0%_Fadin
Hue: h*Y00L=96/360; h*V00M=305/360
l*M=(L*M − L*N) / (L*W − L*N)
t*lab*=l*lab* − c*lab* [l*M − 0,5]
c*lab*=C*ab,a / C*ab,a,M
M=Maximum colour
triangle lightness t*lab*
relative chroma c*lab*
LE441−2N, 0%_Fadin 0
Linear relation CIELAB (L*, a*, b*) and adapted (a) CIELAB (C*ab,a, L*)
LE44_LECD display_2 0%_Fadin
Hue: h*L00C=151/360; h*M00O=354/360
l*lab*=(L* − L*N) / (L*W − L*N)
a*a=a* − a*N − l*lab* [a*W − a*N]
b*a=b* − b*N − l*lab* [b*W − b*N]
C*ab,a=[a*a2 + b*a2] 1/2
lightness L*
chroma C*ab,a
LE440−3N, 0%_Fadin 0
Linear relation CIELAB (L*, a*, b*) and adapted (a) CIELAB (C*ab,a, L*)
LE44_LECD display_2 0%_Fadin
CIELAB hue angles:
hab,d=[38, 96, 151, 236, 305, 354]
hab,e=[26, 92, 162, 217, 272, 329]
a*a=a* − a*N − l*lab* [a*W − a*N]
b*a=b* − b*N − l*lab* [b*W − b*N]
C*ab,a=[a*a2 + b*a2] 1/2
b*a
chroma a*a
a*a=C*ab,a cos hab
b*a=C*ab,a sin hab
LE440−4N, 0%_Fadin 0
Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, t*)
LE44_LECD display_2 0%_Fadin
Hue: h*L00C=151/360; h*M00O=354/360
l*M=(L*M − L*N) / (L*W − L*N)
t*lab*=l*lab* − c*lab* [l*M − 0,5]
c*lab*=C*ab,a / C*ab,a,M
M=Maximum colour
triangle lightness t*lab*
relative chroma c*lab*
LE441−3N, 0%_Fadin 0
Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, t*)
LE44_LECD display_2 0%_Fadin
CIELAB hue angles:
hab,d=[38, 96, 151, 236, 305, 354]
hab,e=[26, 92, 162, 217, 272, 329]
t*lab*=l*lab* − c*lab* [l*M − 0,5]
c*lab*=C*ab,a / C*ab,a,M
M=Maximum colour
b*lab*
a*lab*=c*lab* cos hab
b*lab*=c*lab* sin hab
relative chroma a*lab*
LE441−4N, 0%_Fadin 0
Adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*lab*, l*lab*)
LE44_LECD display_2 0%_Fadin
Hue: h*O00Y=38/360; h*C00V=236/360
l*lab*=(L* − L*N) / (L*W − L*N)
c*lab*=C*ab,a / C*ab,a,M
M=Maximum colour
relative lightness l*lab*
relative chroma c*lab*
LE440−5N, 0%_Fadin 0
Adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*lab*, l*lab*)
LE44_LECD display_2 0%_Fadin
Hue: h*Y00L=96/360; h*V00M=305/360
l*lab*=(L* − L*N) / (L*W − L*N)
c*lab*=C*ab,a / C*ab,a,M
M=Maximum colour
relative lightness l*lab*
relative chroma c*lab*
LE440−6N, 0%_Fadin 0
Linear relation olv* and relative chroma c*olv* and triangle lightness t*olv*
LE44_LECD display_2 0%_Fadin
Hue: h*O00Y=38/360; h*C00V=236/360
Result: c*olv*=c*lab*; t*olv*=t*lab*
c*olv*=max (olv*) − min (olv*)
n*=1 − max (olv*)= 1 − i*
w*=min (olv*)= 1 − d*
t*olv*=w* + 0,5 c*olv*
M=Maximum colour
triangle lightness t*olv*
relative chroma c*olv*
LE441−5N, 0%_Fadin 0
Linear relation olv* and relative chroma c*olv* and triangle lightness t*olv*
LE44_LECD display_2 0%_Fadin
Hue: h*Y00L=96/360; h*V00M=305/360
Result: c*olv*=c*lab*; t*olv*=t*lab*
c*olv*=max (olv*) − min (olv*)
n*=1 − max (olv*)= 1 − i*
w*=min (olv*)= 1 − d*
t*olv*=w* + 0,5 c*olv*
M=Maximum colour
triangle lightness t*olv*
relative chroma c*olv*
LE441−6N, 0%_Fadin 0
Adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*lab*, l*lab*)
LE44_LECD display_2 0%_Fadin
Hue: h*L00C=151/360; h*M00O=354/360
l*lab*=(L* − L*N) / (L*W − L*N)
c*lab*=C*ab,a / C*ab,a,M
M=Maximum colour
relative lightness l*lab*
relative chroma c*lab*
LE440−7N, 0%_Fadin 0
Adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*lab*, l*lab*)
LE44_LECD display_2 0%_Fadin
CIELAB hue angles:
hab,d=[38, 96, 151, 236, 305, 354]
hab,e=[26, 92, 162, 217, 272, 329]
l*lab*=(L* − L*N) / (L*W − L*N)
c*lab*=C*ab,a / C*ab,a,M
M=Maximum colour
b*lab*
a*lab*=c*lab* cos hab
b*lab*=c*lab* sin hab
relative chroma a*lab*
LE440−8N, 0%_Fadin 0
Linear relation olv* and relative chroma c*olv* and triangle lightness t*olv*
LE44_LECD display_2 0%_Fadin
Hue: h*L00C=151/360; h*M00O=354/360
Result: c*olv*=c*lab*; t*olv*=t*lab*
c*olv*=max (olv*) − min (olv*)
n*=1 − max (olv*)= 1 − i*
w*=min (olv*)= 1 − d*
t*olv*=w* + 0,5 c*olv*
M=Maximum colour
triangle lightness t*olv*
relative chroma c*olv*
LE441−7N, 0%_Fadin 0
Linear relation olv* and relative chroma c*olv* or chroma a*olv*, b*olv*
LE44_LECD display_2 0%_Fadin
Result: c*olv*=c*lab*; t*olv*=t*lab*
CIELAB hue angles:
hab,d=[38, 96, 151, 236, 305, 354]
hab,e=[26, 92, 162, 217, 272, 329]
c*olv*=max (olv*) − min (olv*)
n*=1 − max (olv*)= 1 − i*
w*=min (olv*)= 1 − d*
t*olv*=w* + 0,5 c*olv*
b*olv*
a*olv*=c*olv* cos hab
b*olv*=c*olv* sin hab
relative chroma a*olv*
LE441−8N, 0%_Fadin 0