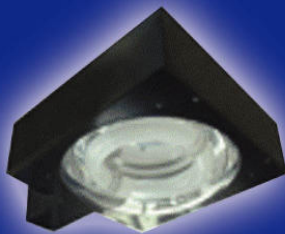


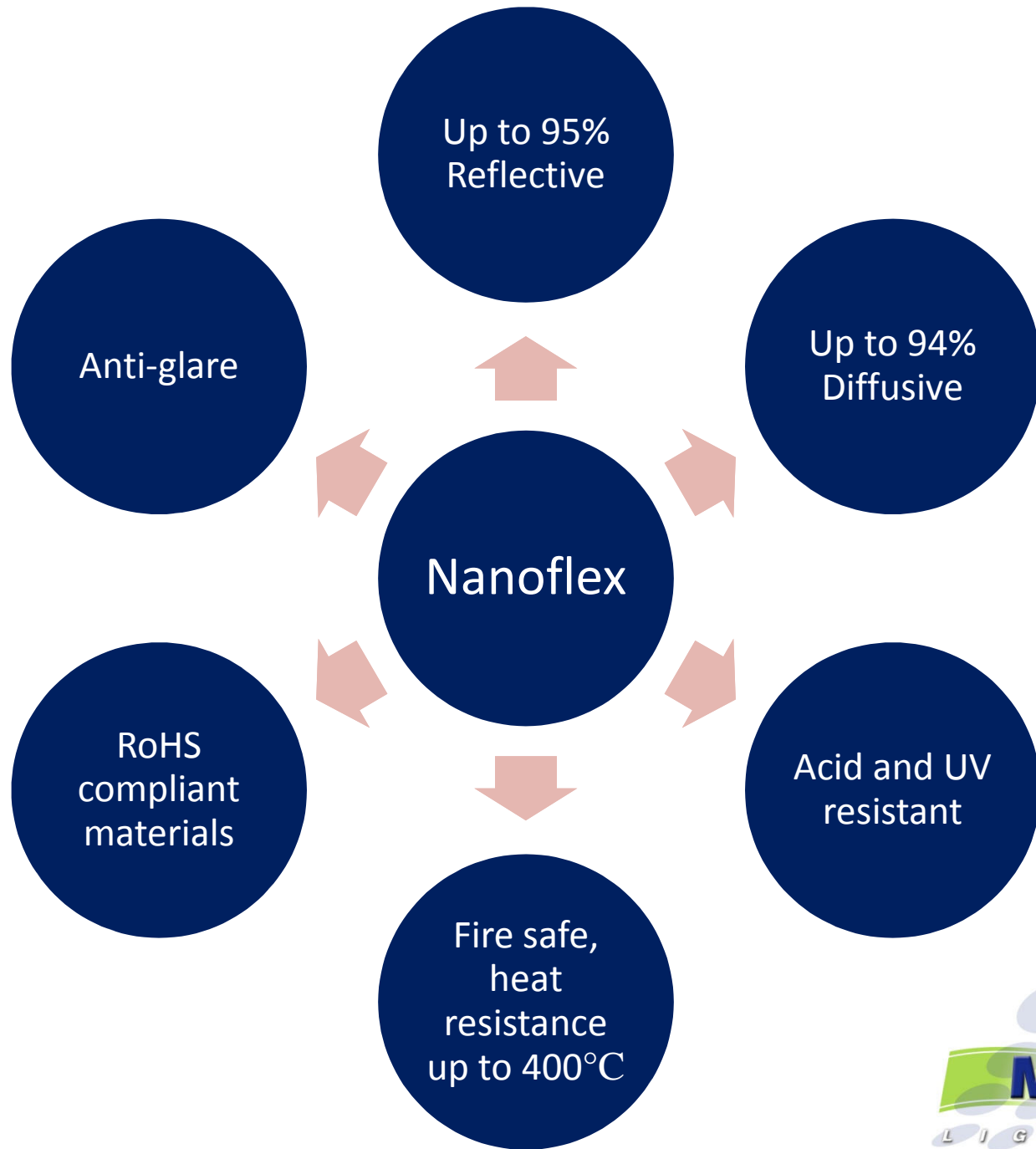


L I G H T I N G

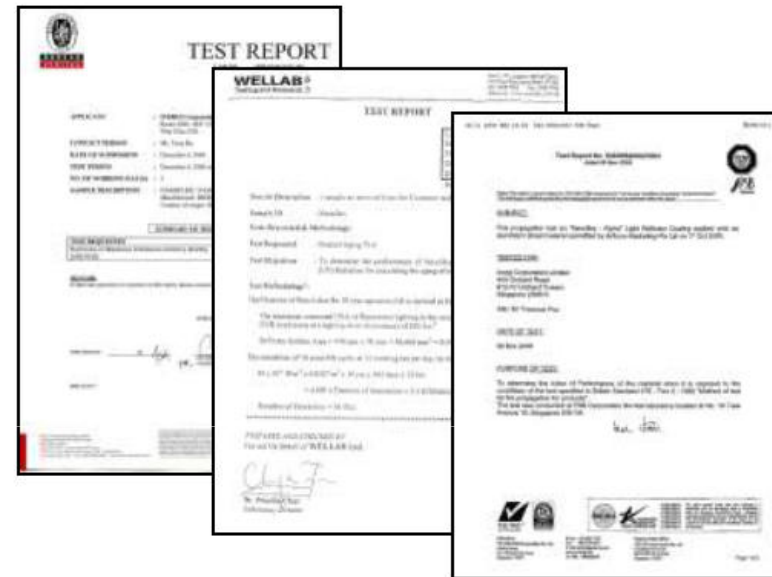


**NANOFLEX TECHNOLOGY**

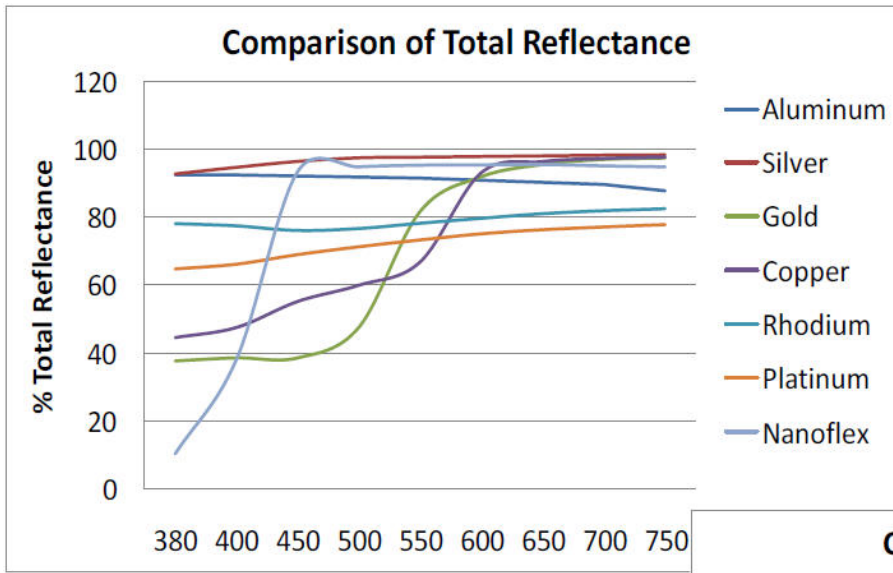
Highly reflective & diffusive optical material from our advanced material science research, in the form of emulsion developed from Nano-technology



1. Superior Spectral Reflectance Measurement by PSB Corporation
2. Complies with BS Fire Safety Standard (BS 476 Part 6 & 7)
3. Passed UV Aging Test
4. Complies with the Restriction of Hazardous Substances Directive (RoHS)
5. Awarded the GREEN LABEL by Green Council of HKSAR

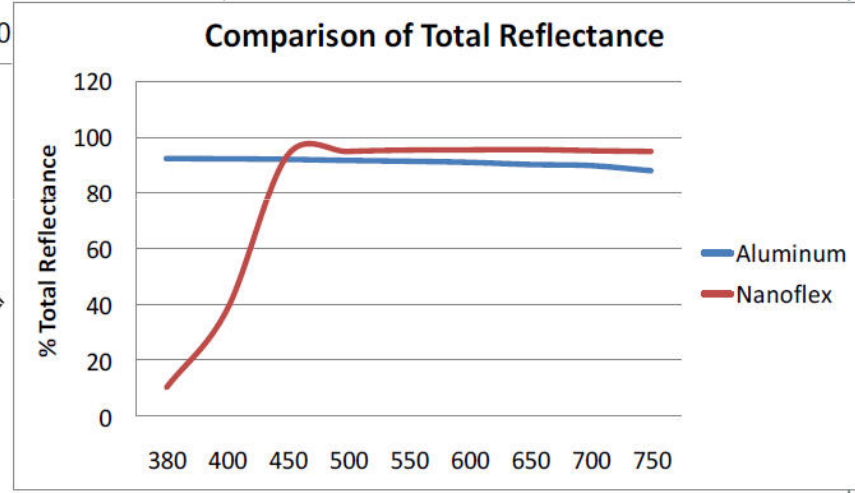


REFLECTANCE AND DIFFUSE REFLECTANCE

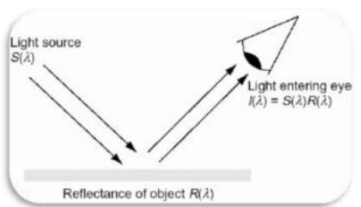


violet	380–450 nm
blue	450–495 nm
green	495–570 nm
yellow	570–590 nm
orange	590–620 nm
red	620–750 nm

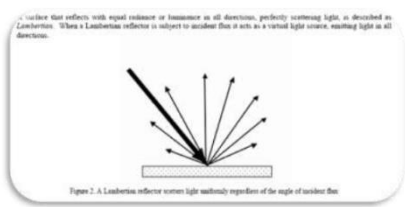
**Nanoflex™  
vs  
different materials**



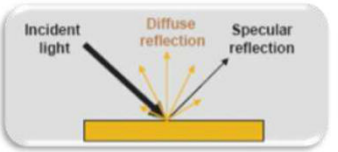
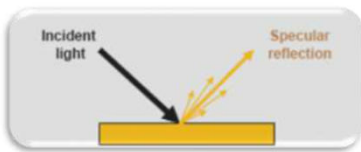
**Nanoflex™  
vs  
Superior Anodized Aluminium**



Normal surface

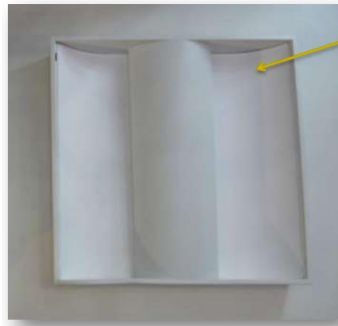


Nano-structured surface

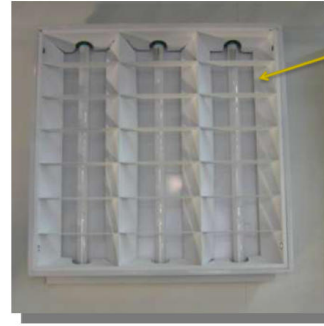


Selected Reference for Nanoflex™ Solutions

Office Lighting	
Shop Lighting	
Shop Sign	
Optical Reflector	



Nanoflex™ Technology



Nanoflex™ Technology



	Philips FBS430 (2 x T5 28W)	INEGRI ICL591 (2 x T5 28W)	% Change
Average lighting level (lux)	579	571	-1.38%
No of LUM	129	80	-37.98%
Power consumption (W)	7482	4640	-37.98%
Lighting Uniformity	0.85	0.86	+1.18%

	Original (3 x T8 36W panel)	Solution A (3 x T5 28W)	% Change after Solution A	Solution B (2 x T5 28W panel)	% Change after Solution B
Average lighting level (lux)	561.14	720.63	+ 28.3%	669.29	+19.3%
Power consumption (W)	648	504	- 22.2%	336	- 48.1%
Lighting Uniformity	0.81	0.91	+12.3%	0.87	+7.4%

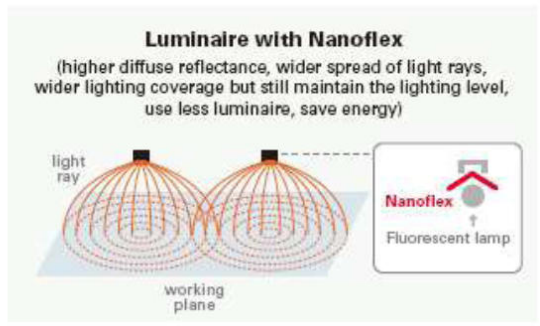
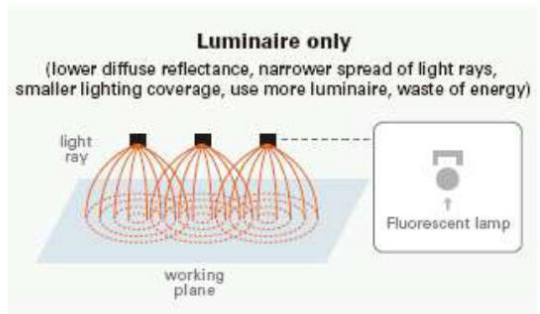


INDIRECT AND DIRECT LUMINAIRE EFFECTS

End-User Need	Features (NFX)	Benefits
<ul style="list-style-type: none"> <li>• Low investment &amp; maintenance Cost</li> <li>• Energy Saving</li> <li>• Reduce materials wastage</li> </ul>	<ul style="list-style-type: none"> <li>• 95 % Total Reflectance, 94% Diffuse Reflectance</li> <li>• Resistance to UV degradation</li> </ul>	<ul style="list-style-type: none"> <li>• Less fittings installed in the ceiling to achieve the IEC Standard</li> <li>• Less electricity bill &amp; lamps replacement and extend fittings lifetime</li> </ul>
<ul style="list-style-type: none"> <li>• Comfort</li> </ul>	<ul style="list-style-type: none"> <li>• White Paint</li> </ul>	<ul style="list-style-type: none"> <li>• Glare-free fitting</li> </ul>
<ul style="list-style-type: none"> <li>• Safety</li> </ul>	<ul style="list-style-type: none"> <li>• No hazardous substances</li> <li>• BS 476 Pt.6 &amp; 7</li> <li>• Green label</li> </ul>	<ul style="list-style-type: none"> <li>• Comply RoHS</li> <li>• Fire Safety</li> <li>• Provide Environmental friendly product</li> </ul>

Up to 94%  
Diffuse Reflectance

Energy saving via  
Delamping



NANOFLEX IMPROVES EFFICIENCY, SAVES ON DELAMPING