

# 10-15 | PROJECT OF THE MONTH

vanhout.pro office, Turnhout [BE]





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- PROJECT** vanhout.pro office Turnhout [BE]
- COMPLETION** spring 2015
- ARCHITECTS** LV architecten and L1 interieurarchitectuur | Wuustwezel [BE]
- PRODUCTS**
- LINEAR CEILING-LIGHTING COMBINATION** consisting of:  
**POLYLAM® Vertical baffles** Width: 50mm, Length: 300- 3,050mm, Height: 150 mm; in white RAL 9010 powder-coated; non-perforated or with perforation in RV-L6; lined with black acoustic fleece [approx. 1,600lfm]  
**PUNTEO®-S LED-light points** with 10 square reflectors each [20x20mm]; Light colour: 4000K; DALI dimmable [total 2,200 LED-points]; integrated in POLYLAM® vertical baffles [approx. 270lfm]
- AESTHETIC CEILING-LIGHTING COMBINATION** consisting of:  
**TOMEO-R® ceiling elements** with dimensions Ø 900mm, 1,200mm; in RD-L30 perforated and lined with black acoustic fleece; arranged in pendant fashion using cables; in white RAL 9010 powder-coated [total 13 pieces]  
**LUMEO-R® LED pendant luminaires** with dimensions Ø 600mm, 900mm; arranged in pendant fashion using cables; in anodised aluminium; light colour 4000 K; DALI dimmable [total 9 pieces]
- PHOTOS** Liesbet Goetschalckx | Turnhout [BE]

On the basis of the existing company building, the architects from LV architecten and L1 interieurarchitectuur have designed a new, modern and more importantly energy-efficient complex of buildings for the interior designer vanhout.pro in Turnhout, Belgium. Straight lines, large windows and open-plan rooms define the concept, which has been skilfully completed by the architects using functional designer ceilings and integrated LED lighting solutions by durlum.

From the prospective of energy consumption and architecture, it was crucial to keep the concrete ceiling with thermal activation visible while ensuring the acoustic and visual framework conditions for sustainable workplaces. The smart ceiling - light combination by durlum allowed implementation of both aspects without influencing the heating and cooling capacity of the concrete ceiling. A total of 1.6 kilometres of POLYLAM® vertical baffles used as linear design elements are floating like a sail over the workplaces of the employees. Besides, the baffles perforated and lined with acoustic fleece contribute to a pleasant acoustic room ambience. PUNTEO®-S LED modules fitted into the acoustic ceiling with 10 square reflectors each provide lighting for modern spaces and emphasize the linear character of the ceiling. Along with the LED light points an intelligent light control with motion detection promotes a low energy consumption.

The round ceiling and lighting elements by durlum are almost contradictory but still blend harmonically into the cafeteria which is also the meeting room of the company's head office. TOMEO-R® acoustic elements in subtle white with powder-coating offer the perfect supplement to the LED illuminated surfaces LUMEO-R® which are only 60 mm high. Thanks to a highly effective sound absorption by means of the perforated ceiling elements lined with acoustic fleece, the noise level is reduced in these rooms as well.