

# HIGHLIGHTS

## ARCHITECTURE

# In Grand Style

## The Rautenstrauch-Joest-Museum in Cologne

For more than a hundred years the Rautenstrauch-Joest-Museum has presented non-European history, art and culture in North Rhine-Westphalia. As a public institution it encourages the understanding and tolerance in a society that is increasingly dominated by a multicultural coexistence.

The new building near the Neumarkt in Cologne was opened after eight years of construction in October 2010. The proximity to the inner city and the excellent public transport connection make the museum an attraction for an international audience. The huge Indonesian rice storage in the central foyer creates a new cultural emblem.

The main entrance is located on the north side of the new building, on a major thoroughfare. Information on current exhibitions and programs is projected with light onto the façade, using two graphic projectors - GL 1200 EL - from the German projection specialist Derksen Lichttechnik. The devices are mounted in front of the main entrance on a street lighting pole and project images at a height of ten meters onto the left and center wings of the building. Distortions resulting from the oblique angle of projection have been excluded

in the preparation of the images, so that text and graphics are displayed in the correct aspect ratio.

The projection technology provides owners with two key advantages: first, messages can be placed without on-site changes to the façade and the projected information can be changed easily and inexpensively.

**Location:**  
Rautenstrauch-Joest-Museum  
Cäcilienstraße 29-33  
50676 Cologne

**Architects:**  
Schneider & Sendelbach,  
Brunswick

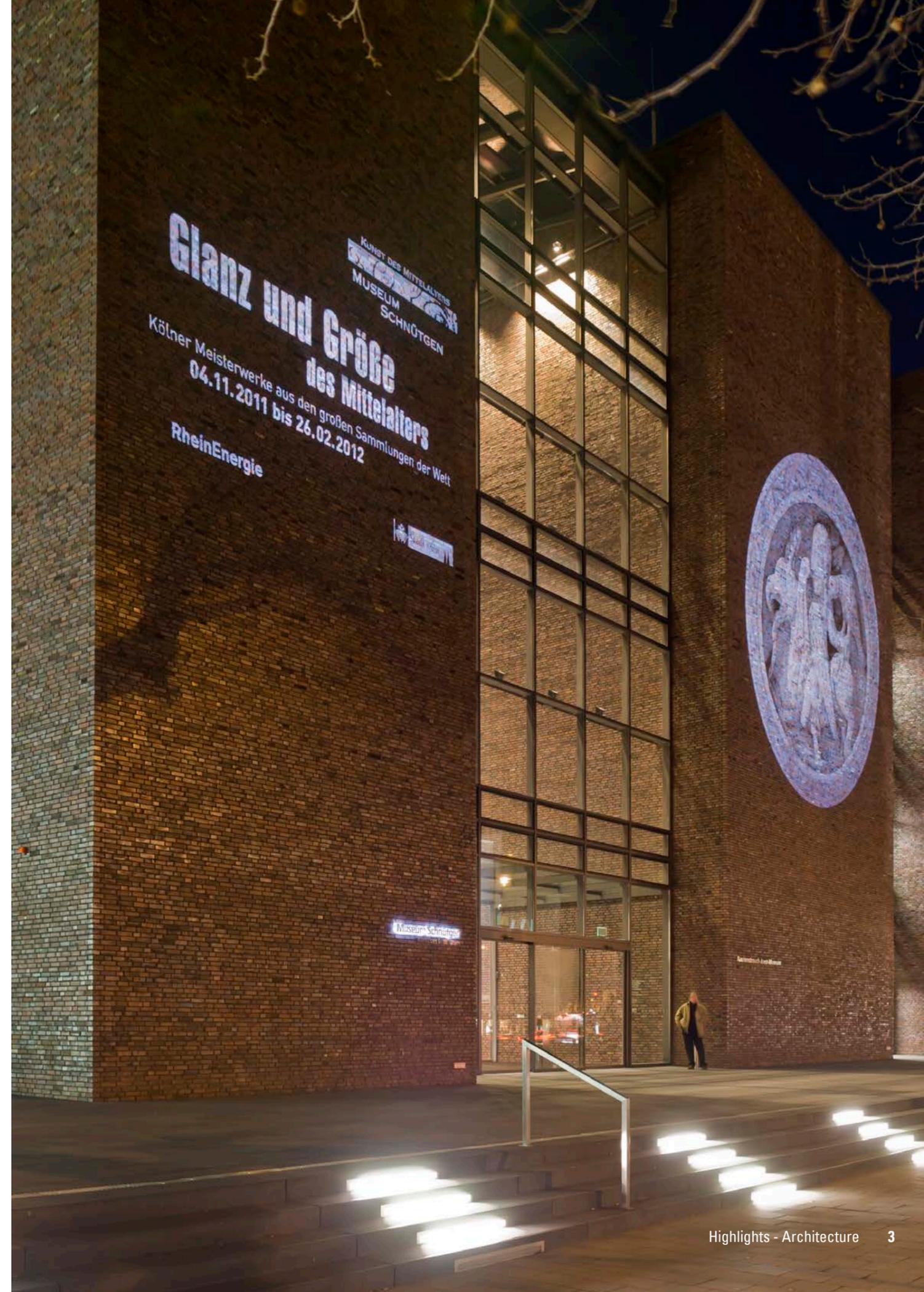
**Client:**  
RheinEnergie AG, Cologne

**System Engineering:**  
Gerhard Kleiker, RheinEnergie AG

**Projection Systems:**  
GL 1200 outdoor

**Cover Photo:**  
Kunstmuseum in der alten Post  
Viktoriaplatz 1  
45468 Mülheim a. d. Ruhr | Germany

**Architects (Reconstruction 2007-2008):**  
Karsten Weber, rheinflügel baukunst,



# Kö-Bogen Düsseldorf

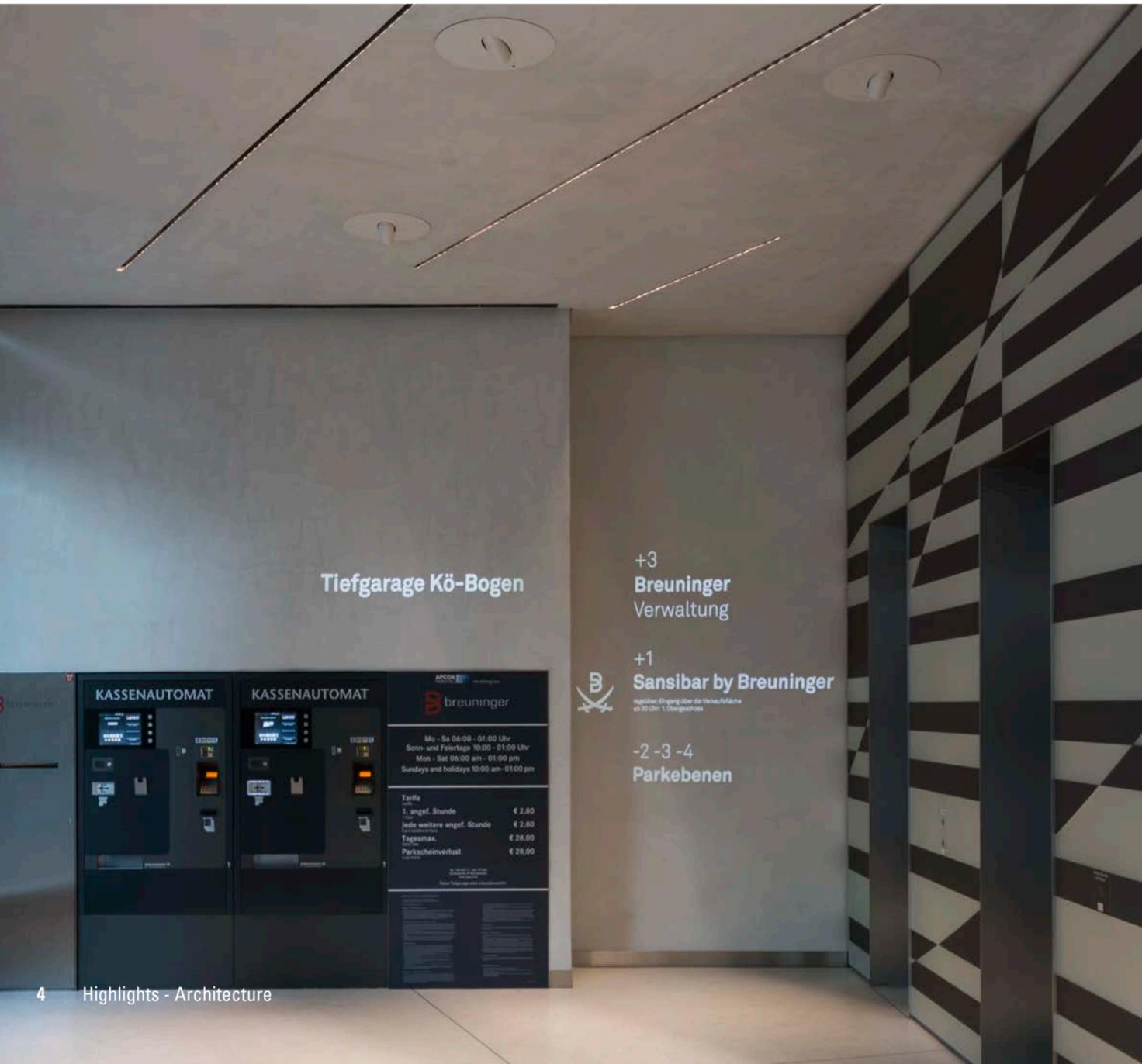
A dynamic directional system

The Kö-Bogen connects the renowned shopping street Königsallee with the Hofgarten park. The even façade in pale stone and glass is broken by diagonal cuts with sculptures and planted greenery. These create on the side of the Hofgarten park a combination of nature and architecture, of indoor and outdoor space. The asymmetrical floor plan attracts attention due to its curves, wavelike embayments and sharp angles. The two parts of the building are

connected by a bridge. The three lower floors house the flagship stores, exclusive boutiques and restaurants. The three upper floors provide space for offices. The four-storey underground car park is accessible via newly built road tunnels.

The directional system in the entrance area to the car park and offices has been developed in collaboration with Derksen Lichttechnik specifically for this building. From the ceiling, three recessed

PHOS 60 systems project information onto the wall between ticket machine and elevator. The devices are controlled via the in-house data bus system and present current information depending on time of day and day of the week.



In the underground car park in Düsseldorf's Kö-Bogen, two GL 1200 graphic projection systems throw a welcome message for the passing motorists on the wall. An arcuate illumination highlights the dynamic, curved shape of the room and makes the architectural concept visible.

**Location:**  
Kö-Bogen | Königsallee 2  
40212 Düsseldorf | Germany

**Architects:**  
Studio Daniel Libeskind, New York

**Client:**  
die developer Projektentwicklung GmbH, Düsseldorf

**Planning and Construction:**  
Zechbau GmbH

**Directional System:**  
n/ t/ k/ nowakteufelknyrim GmbH

**Completion:** September 2013

**Projection Systems:**  
PHOS 60 downlight with oval faceplate  
GL 1200 (car park)

# City Church Solingen

## Transformation of a post-war building

For more than 1,000 years there stood churches at the Fronhof in the inner city of Solingen. The ceramic rosette from the 11th century in the floor of the new city church is to commemorate that history. Built in 1732, the „Old Church“ was completely destroyed in an air raid in November 1944. At the site of the ruins, a three-storey multi-purpose building with a reinforced concrete frame construction was built in 1954: the modern city church. Due to the over 50 meter high bell tower with its stylized globe, the building was soon given its colloquial name „Fritz-Walter-Memorial Church“ (derived from Fritz Walter, who won as captain of the German football team the World Cup in 1954).

From 2012 to 2014, the city church in the heart of Solingen was redesigned and reconstructed as part of an urban development project. 2.1 million euros, half of the construction costs, were funded by grants from the European Union and the Federal Republic of Germany. The renovation included the opening of the building by the new entrance portal at the Fronhof, the construction of the multifunctional citizens' hall on the upper floor and the new church cafe on the ground floor. The renovation

was planned by the architect Markus Richard and the interior designer Marion Grosskemm, the lighting was designed by Dietmar Koether from Lupolux. Inside the church, several lighting situations can be accessed via remote control, whether in support of the divine service or for special occasions.

Graphic projections from Derksen were implemented in two places: First, an abstract crown of thorns is projected in the background of the about two meters high metal cross in the chancel. The design consists of two images in different colours, which are projected one upon the other. Diverse optical effects result from the interaction and the image seems to float on the wall. Second, the medieval ceramic floor rosette at the entrance is illuminated with a defined outline by a PHOS 40 LED projector. The projector is mounted on the organ loft at a distance of about 10 meters.

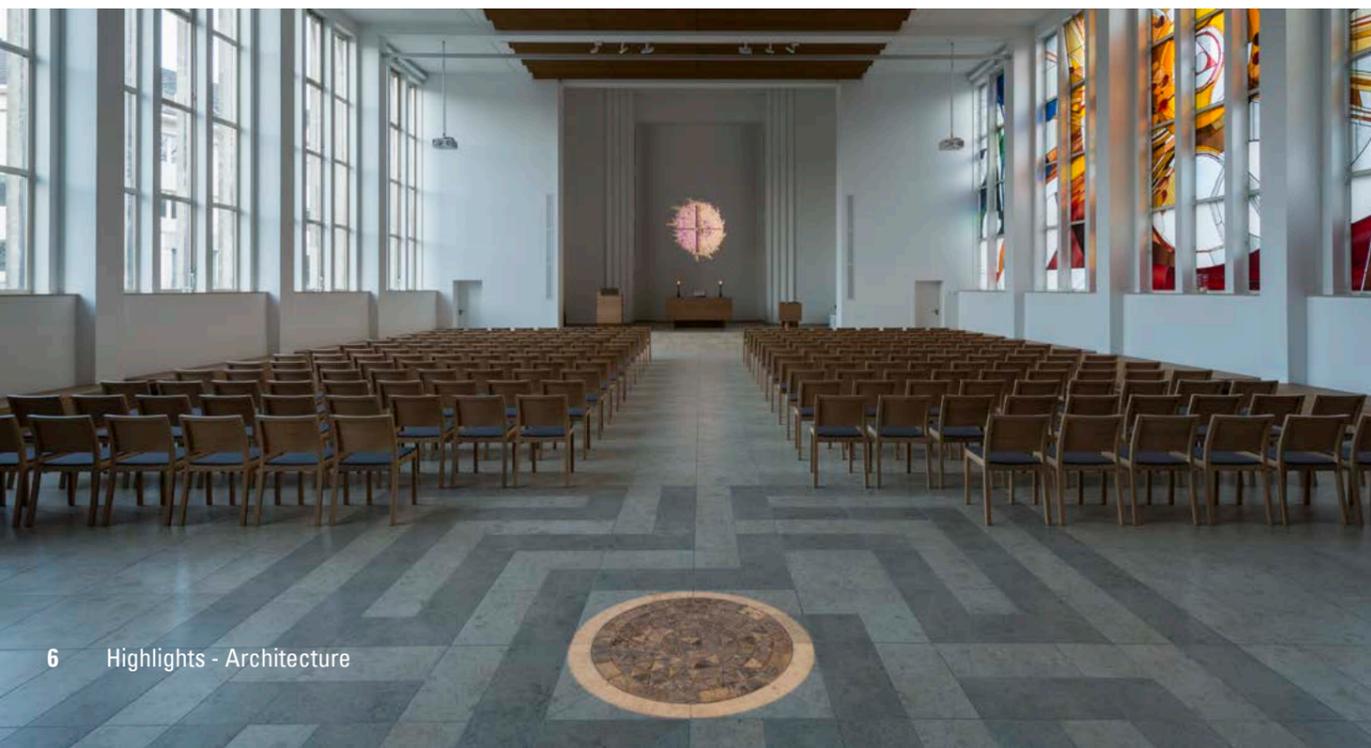
**Location:**  
City Church Solingen  
Kirchplatz 14,  
42651 Solingen | Germany  
[www.stadtkirche-solingen.de](http://www.stadtkirche-solingen.de)

**Architect:**  
Wilhelm Schrader, Solingen

**Architects (Reconstruction 2012-2014):**  
Großkemm + Richard, Solingen

**Lighting Design:**  
Dietmar Koether  
[www.lupolux.de](http://www.lupolux.de)

**Projection Systems:**  
1 x PHOS 40 / 2700° K (floor rosette)  
2 x PHOS 40 (chancel)



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