

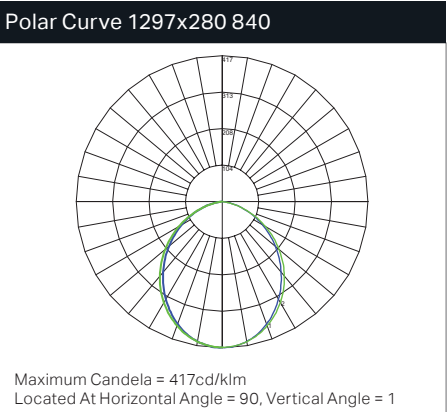


Key Family Details	
Optical System:	Diffuser and 6mm polycarbonate protective film
Mounting Type:	Skin anchored in the ceiling concrete
Colour Consistency Initial:	3 SDCM
Finish Options:	Standard White
System Warranty:	5 years
CRI (Ra):	80+
CCT:	4000K
R9:	0+
COI Compliant:	No
Melanopic Ratio	0.68

Mechanical Drawing								
Physical Parameters	Luminaire Dimensions			Aperture Size		Cutout Size		Weight
Code	L [mm]	W [mm]	H [mm]	D [mm]	E [mm]	A _{cout} [mm]	B _{cout} [mm]	[kg]
EL-PRO-1100-	1297	280	100(*)	-	-	-	-	12

Side view: L = 1297 mm, H = 100 mm. Top view: W = 280 mm.

(*) 127mm with the skin



Application

The Protekt is a robust luminaire specifically developed for prison cells.

Design

The luminaire skin is anchored in the ceiling concrete. The concrete is poured with the skin and cables inside so the luminaire essentially becomes an integral part of the ceiling.

Special design and machining of the polycarbonate layer make it impossible for thin objects such as credit cards to be inserted and hidden inside the luminaire.

Optics

The light aperture consists of a high-quality diffuser and the protective 6-mm thick polycarbonate layer.

Control

DALI and Night Light options.

Installation

The locations of the tamperproof screws make sure that the fitting cannot be opened without special tools and remains anti-ligature even if forced. IP65 from below. IP rating from above is not applicable because the top part of the luminaire is completely buried into the concrete.

Emergency

Maintained Non-Monitored and DALI Monitored options.



Optical Performance

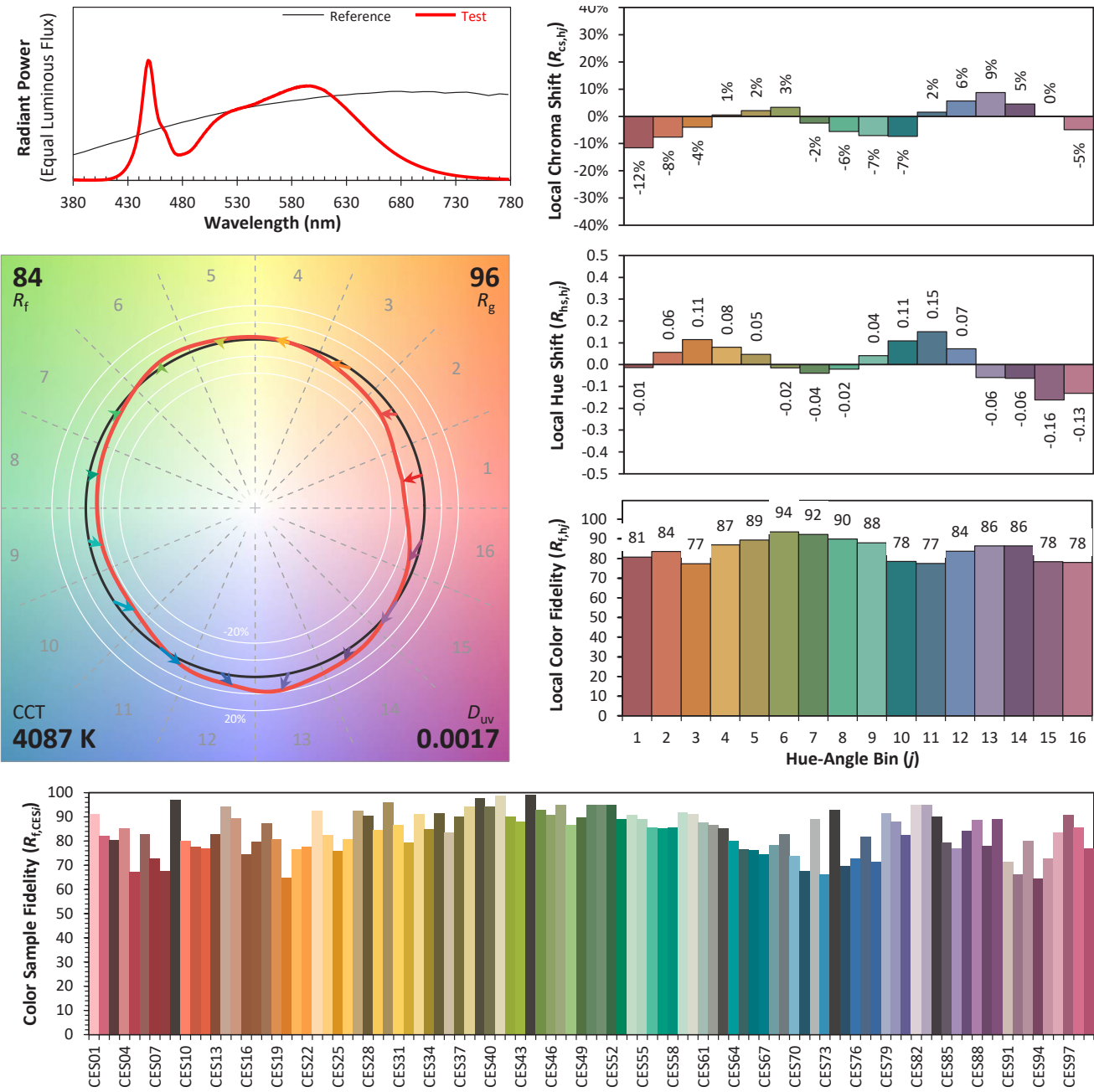
Code	Power [W]	Systems Lumens [lm]	Luminaire Lumens [lm]	Efficacy [lm/W]	Size [mmxmm]	Spacing	W/m2	Calculated UGR max	LLMF TM21 L90 [hrs]	Lifetime TM21 L70 [hrs]
									LM80 duration: 12,000hrs	
EL-PRO-1100-	33	5500	3359	103	1297x280	-	-	-	43,000	>72,000

(*) Working plane @ 1000mm

Wiring options	Suffix
Standard	-000
DALI/STD terminal block	-200
Maintained emergency	-800
DALI monitored emergency	-801
Nightlight	Nightlight

TM-30-18 Colour Rendition Report

EL-PRO-1101 - 33W 5500LM 940 1297x280



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.3778
y 0.3787
u' 0.2226
v' 0.5020

CIE 13.3-1995 (CRI)	
R_a	83
R_g	10

Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.