

PP01

G. Bizjak, M. B. Kobav
ESTIMATION OF ELECTRICAL ENERGY SAVINGS FOR PUBLIC LIGHTING IN SLOVENIA

PP02

W. R. Ryckaert, C. Lootens, J. Geldof, P. Hanselaer
GRANTS FOR RE- AND NEWLIGHTING IN FLANDERS: A NEW APPROACH

PP03

P. Bhusal, D. Bista, M. Puolakka, L. Halonen
FUEL BASED LIGHTING IN DEVELOPING COUNTRIES AND THEIR REPLACEMENT WITH LEDS - CASE STUDY FROM NEPAL

PP04

V. De Giuli, M. De Carli
LIGHTING ANALYSIS IN AN ITALIAN SECONDARY SCHOOL BASED ON MEASUREMENTS AND SIMULATIONS

PP05

P. Dehoff
THE BALANCE BETWEEN ENERGY EFFICIENCY AND HUMAN ASPECTS IN LIGHTING

PP06

P. Fiorentin, A. Scroccaro
MEASUREMENTS OF THE BIDIRECTIONAL REFLECTION FUNCTION - A SYSTEM FOR THE ANALYSIS OF ROAD PAVINGS

PP07

S. Fotios, C. Cheal
STIMULUS RANGE BIAS AND ESTIMATES OF PREFERRED ILLUMINANCE

PP08

T. Govén, T. Laike, P. Raynham
THE INFLUENCE OF AMBIENT LIGHT ON PUPILS IN CLASSROOMS - CONSIDERING LIGHT QUALITY AND USE OF ENERGY.

PP09

P. Hardardottir
DYNAMIC LIGHT RETREAT

PP10

P. Iacomussi, G. Rossi, P. Soardo, P. DiLEcce, R. Numeroli
ADAPTIVE ROAD LIGHTING INSTALLATIONS

PP11

P. Iacomussi, G. Rossi, P. Soardo
ENERGY CONSERVATION AND ENVIRONMENTAL IMPACT: EVALUATION THROUGH THE ROAD LUMINANCE FACTOR

PP12

V. Inkarojrit, P. Reungsri
THE DEVELOPMENT OF ENERGY-EFFICIENT TASK-AMBIENT LUMINAIRE FOR OFFICE LIGHTING: A PILOT STUDY ON LIGHTING QUALITY AND ENERGY PERFORMANCE

PP13

M. Kunishima, M. Miyamoto
EFFECTIVE USE OF DAYLIGHT AND ARTIFICIAL LIGHTING IN MORNING AND IN EARLY EVENING IN LIVING ROOM AND COMFORT OF LIGHTING ENVIRONMENT

PP14

M. Miyamoto, M. Kunishima
EFFECTIVE USE AND COMFORT OF DAYLIGHT AND ARTIFICIAL LIGHTING IN A LIVING ROOM -INFLUENCE OF POSITIONS OF LUMINAIRS AND LIGHT SOURCES-

PP15

P. Larsen, **T. Mjøs**
ENERGY EFFICENCY FOCUS IN LIGHTING RETROFITTING PROJECTS

PP16

B. V. Nagy, K. Tóth, L. Balázs, G. Ábrahám
THE EFFECT OF FLUORESCENT EMISSION SPECTRUM ON LIGHTING QUALITY

PP17

J. Schanda, Á. Vidovszky-Németh
SOLID STATE LIGHTING IN PLACES OF WORSHIP

PP18

M. SERGENT, G. PAGE
IMPROVING LIGHTING QUALITY AND EFFICACY OF TELEVISED SPORTS VENUES

PP19

Ö. Sümengen, F. Uyan, A. Yener
SUSTAINABLE LIGHTING IN RETAIL SPACES - CASE STUDY EVALUATIONS

PP20

Y. Yamauchi, A. Oda, S. Shimada, M. Hirasawa, J. Kido
CATEGORICAL COLOR PERCEPTION UNDER ORGANIC ELECTROLUMINESCENCE ILLUMINATION

PP21

A. K. Yener, F. Şener
LIGHTING ENERGY PERFORMANCE IN PRIMARY SCHOOL CLASSROOMS

PP22

S. Onaygil, **E. Erkin**, Ö. Güler
ENERGY EFFICIENT AND COST EFFECTIVE SOLUTIONS FOR INDUSTRIAL LIGHTING: TUBULAR FLUORESCENT LAMPS VS DISCHARGE LAMPS

PP23

J. Keränen, A. Haapakangas, M. Nyman, V. Hongisto
LIGHTING IMPROVEMENT IN A MANUFACTURING PLANT - INTERVENTION STUDY

PP24

M. B. Kobav, G. Bizjak
LONG TERM STUDY - ENERGY SAVINGS OBTAINED WITH USE OF DAYLIGHT SENSOR AND DIMMING BALLASTS

PP25

R. Saraji
STREET LIGHTING UNIT POWER DENSITY

PP26

S. Yıldırım, D. Enarun
DESIGN OF AN EMERGENCY LIGHTING FIXTURE USING LIGHT EMITTING DIODES

PP27

M. Garcia Gil
QUANTIFICATION AND ASSESSMENT OF THE ENERGY WASTE DUE TO OBSTRUCTIVE LIGHT. RESEARCH METHODOLOGY AND ANALYSIS

PP28

S. Kitamura, N. Sassa
IMPROVEMENT OF INDOOR LIGHTING ENVIRONMENT AND THERMAL ENVIRONMENT WITH SUN SHADE AND GREEN ROOF

PP29

H. A. Solano Lamphar, R. San Martín Páramo, M. García Gil
STUDY IN LIGHT POLLUTION AT THE NATURAL PARK OF DELTA DEL EBRO, SPAIN

PP30

L. Brotas
SUNLIGHT AVAILABILITY IN URBAN AREAS

PP31

T. Chung, R. T. Ng
SUBJECTIVE EVALUATION OF A DAYLIT OFFICE ENVIRONMENT USING ANALYTIC HIERARCHY PROCESS

PP32

J. Du, S. Sharples
AN ANALYSIS OF VERTICAL DAYLIGHT LEVEL DISTRIBUTIONS ACROSS THE WALLS OF ATRIA

PP33

J. Du, S. Sharples
ATRIUM DAYLIGHTING: DAYLIGHT LEVELS ON THE WALL AND DAYLIGHT LEVELS IN THE ADJOINING SPACES

PP34

N. Igawa
ESTIMATION METHOD OF SKY LUMINANCE DISTRIBUTION CONCERNING GENERAL SKY FROM THE TIME SERIES DATA

PP35

N. Pienpak, **V. Inkarojrit**
CONFIGURATION OF VERTICAL LIGHTPIPE FOR DAYLIGHT UTILIZATION IN SUPERSTORES IN THE TROPICS

PP36

T. Iwata, W. Osterhaus
EVALUATION METHODS OF DISCOMFORT GLARE USING LUMINANCE DISTRIBUTION IMAGE IN DAYLIT OFFICES

PP37

T. Iwata (Matsuzawa), N. Igawa, T. Matsumoto
APPLYING LUMINOUS ENVIRONMENT DESIGN BY ESTIMATING DIFFUSE AND DIRECT ILLUMINANCES

PP38

R. Kittler, S. Darula, M. Kocifaj, F. Kundracik
NEW POSSIBILITIES TO DESIGN TUBULAR LIGHT GUIDES IN ENERGY EFFICIENT BUILDINGS

PP39

V. R. Lo Verso, C. F. Reinhart
VALIDATION OF THE LYNES MEAN DAYLIGHT FACTOR FORMULA AND THE DAYLIGHT FEASIBILITY STUDY IN TOPLIT SPACES

PP40

A. Pellegrino, V. R. Lo Verso
THE ENERGY DEMAND FOR ELECTRIC LIGHTING AS A CONSEQUENCE OF DIFFERENT ARCHITECTURAL BUILDING FEATURES AND LIGHTING PLANT CHARACTERISTICS

PP41

F. Sener, A. K. Yener
DAYLIGHT SIMULATIONS OF OFFICE SPACES AT ARCHITECTURAL DESIGN STAGE

PP42

I. Cowling
COMPARISONS OF LUMINOUS FLUX MEASUREMENTS FOR EXTERNAL AND INTERNALLY MOUNTED DIRECTIONAL LAMPS IN AN INTEGRATING SPHERE

PP43

D. Lee, **S. Park**, S. Park, J. Lee, Y. Kim
ARTIFACT PREPARATION FOR COMPARISON ON TOTAL LUMINOUS FLUX OF SSL PRODUCTS AMONG TESTING LABORATORIES IN KOREA

PP44

O. P. Melamed

RESEARCH OF LED-BASED MARINE EMERGENCY LUMINAIRE PERFORMANCE

PP45

N. Pousset, G. Obein, A. Razet

VISUAL EXPERIMENT ON LED LIGHTING QUALITY WITH COLOR QUALITY SCALE COLORED SAMPLES

PP46

A. J. Cabello, C. F. Kirschbaum

ESTIMATION OF WASTED ENERGY BY LIGHT POLLUTION IN URBAN AND RURAL AREAS

PP47

T. Novák, F. Dostál, P. Závada

OBTRUSIVE LIGHT MEASUREMENT

PP48

H. A. Solano Lamphar, R. San Martín Páramo

MATHEMATICAL MODEL FOR THE MEASUREMENT OF LIGHT POLLUTION

PP49

J. Ezrati, C. Boust

INFLUENCE OF COLOR TEMPERATURE OF GENERAL LIGHTING COMPARED TO ACCENT LIGHTING ON WORK OF ART PERCEPTION

PP50

T. de Bruin-Hordijk

THE SHADOW SIDE OF LIGHT

PP51

P. Fernandez, M. Fontoyront, A. Giboreau

LIGHTING QUALITY ASSESSMENT IN HOTELS - RESULTS OF AN EXPLORATORY STUDY

PP52

A. Galatioto, A. Milone, S. Pitruzzella

RESEARCH ON MICROCLIMATE LIGHT CONDITIONS IN A SCHOLASTIC ENVIRONMENT BASED ON ADAPTIVE MODEL

PP53

M. Hirning, S. Coyne, G. Isoardi, I. Cowling

APPLYING THE USE OF HIGH DYNAMIC RANGE IMAGING PIPELINES TO DISCOMFORT GLARE RESEARCH

PP54

Y. Inoue

STUDY ON ILLUMINANCE BALANCE BETWEEN WORKING AREA AND AMBIENT -CONSIDERRATION OF INITIAL LIGHTING CONDITION, VISUAL TASK PERFORMANCE AND IMPRESSION OF LIGHTING-

PP55

C. Villa, E. Parent, R. Labayrade

CALIBRATING A DISPLAY DEVICE FOR SUBJECTIVE VISUAL COMFORT TESTS: SELECTION OF LIGHT SIMULATION PROGRAMS AND POST-PRODUCTION OPERATIONS

PP56

C. Villa, R. Labayrade

CALIBRATING A DISPLAY DEVICE FOR SUBJECTIVE VISUAL COMFORT TESTS: SELECTION OF A TONE-MAPPING OPERATOR

PP57

P. Dehoff, C. Sust, D. Lorenz, P. Hein

EFFECTS OF LIGHTING ON BEHAVIOUR AND WELLBEING OF ELDERLY PEOPLE SUFFERING FROM DEMENTIA

PP58

F. Gugliermetti, A. de Vanna, F. Lucchese, **F. Bisegna**

WEB ACCESSIBILITY, ENVIRONMENT, QUALITY OF LIFE, IN THE "LIGHT" OF UNIVERSAL DESIGN

PP59

A. Pawlak, K. Zaremba

LED LUMINAIRE WITH ADJUSTABLE COLOUR TEMPERATURE

PP60

K. Möller, P. Dehoff, T. Q. Khanh

INTRODUCTION OF A STUDY FOR LED OFFICE LIGHTING TO PROMOTE VISUAL PERFORMANCE, MOTIVATION, CONCENTRATION AND WELL-BEING

PP61

I. R. Ronchi

DIURNAL VARIABILITY OF VISUAL FIELD RESPONSE UNDER CONSTANT ELECTRICAL LIGHTING

PP62

T. Morita, T. Ueno-Towatari, A. B. Adamczyk, A. Kunert, K. Blazejczyk

THE INFLUENCE OF ENVIRONMENTAL LIGHT ON SEASONAL VARIATIONS OF MELATONIN SECRETION AT DIFFERENT GEOGRAPHICAL LOCATIONS